

Author index with titles

This article has been downloaded from IOPscience. Please scroll down to see the full text article.

2006 J. Phys.: Condens. Matter 18 11595

(<http://iopscience.iop.org/0953-8984/18/50/M01>)

View [the table of contents for this issue](#), or go to the [journal homepage](#) for more

Download details:

IP Address: 129.252.86.83

The article was downloaded on 28/05/2010 at 14:53

Please note that [terms and conditions apply](#).

Author index with titles

- Abbamonte P: *see* Wilkins S B [L323](#)
Abdalla S: *see* El-Brolossy T A [4189](#)
Abdel-Hady K: *see* Hutchins M G [9987](#)
Abdelouahdi K, Sant C, Miserque F, Aubert P, Zheng Y, Legrand-Buscema C and Perrière J: Influence of CH₄ partial pressure on the microstructure of sputter-deposited tungsten carbide thin films [1913](#)
Abdi-Ben Nasrallah S, Sfina N, Bouarissa N and Said M: Modelling of ZnS_xSe_{1-x}/ZnS_ySe_{1-y} band offsets and QW for green–yellow applications [3005](#)
Abdulsabirov R Yu: *see* Aminov L K [4985](#)
Abid J-P: *see* Abid M [6085](#)
Abid M, Abid J-P, Jannin S, Serrano-Guisan S, Palaci I and Ansermet J-Ph: Magnetotransport properties depending on the nanostructure of Fe₃O₄ nanowires [6085](#)
Abou-Zied M: *see* Dongol M [6213](#)
Abram R A: *see* Timon V [3489](#)
Abteu T A and Drabold D A: Atomistic simulation of light-induced changes in hydrogenated amorphous silicon [L1](#)
Abu-Alkhair O: *see* Hutchins M G [9987](#)
Achary S N: *see* Panchal V [8241](#)
Ackermann J: *see* Bellini B [S1817](#)
Acosta D R: *see* Castañeda L [5105](#)
Adachi H: *see* Yano K [6891](#)
Adam J-L: *see* Qiao X [6937](#)
Adamenko I N, Kitsenko Yu A, Nemchenko K E, Slipko V A and Wyatt A F G: The decay of one phonon into three in superfluid helium [10179](#)
Adamenko I N, Nemchenko K E, Slipko V A and Wyatt A F G: Thermodynamics of anisotropic phonon systems in superfluid helium [2805](#)
Adams J B: *see* Ooi N [97](#)
Adhikary K: *see* Sinha G [2409](#)
Adhya S: *see* Zurla C [S225](#)
Adichtchev S V: *see* Surovtsev N V [4763](#)
Affatigato M: *see* Larson C [11323](#)
Africh C and Comelli G: Scanning tunnelling microscopy investigations of simple surface reactions on Rh(110) [R387](#)
Agan S, Dana A and Aydinli A: TEM studies of nanocrystal formation in PECVD grown for SiO₂:Ge/SiO₂ multilayers [10705](#)
Agarwal S K: *see* Rao A [2955](#)
Ager J W: *see* Tyryshkin A M [S783](#)
Agerico Diño W: *see* David M [1137](#)
Agnello S: *see* Buscarino G [5213](#)
Agostinho Moreira J: *see* Ribeiro J L [7761](#)
Agostino A: *see* Truccato M [8295](#)
Agrawal A: *see* Ranjan R [9679](#)
Agrawal A: *see* Ranjan R [L515](#)
Agrawal B K, Agrawal S, Singh S and Srivastava R: *Ab initio* study of curvature effects on the physical properties of CH₄-doped nanotubes and nanoropes [4649](#)
Agrawal B K, Agrawal S and Srivastava R: An *ab initio* study of optical and Raman spectra of heavily Li-doped 4 Å carbon nanotubes [10115](#)
Agrawal B K: *see* Yadav P S [7085](#)
Agrawal S: *see* Agrawal B K [4649](#)
Agrawal S: *see* Agrawal B K [10115](#)
Agrawal S: *see* Yadav P S [7085](#)
Ågren H: *see* Fu Y [9071](#)
Aguiló M: *see* Bravo D [6655](#)
Ahmad E: *see* Morley N A [8781](#)
Ahuja R: *see* Music D [8877](#)
Aiyer R C: *see* Dadge J W [5405](#)
Ajayi O O: *see* Eryilmaz O L [S1751](#)
Aka G: *see* Lupei A [597](#)
Akasaka Y: *see* Sonoda S [4615](#)
Akbulut S, Ocak Y, Böyük U, Erol M, Keşlioğlu K and Maraşlı N: Measurement of solid–liquid interfacial energy in the pyrene succinonitrile monotectic system [8403](#)
Akinlade O: *see* Gruner S [4773](#)
Akis R: *see* Shailos A [1715](#)
Akjouj A: *see* Dobrzyński L [9047](#)
Akjouj A: *see* Dobrzynski L [3151](#)
Akman N, Durgun E, Yildirim T and Ciraci S: Hydrogen storage capacity of titanium met-cars [9509](#)
Aktaş B: *see* Özdoğan K [2905](#)
Al-Jawad M, Manuel P, Ritter C and Kilcoyne S H: Kinetic neutron diffraction study of Nb₃Sn phase formation in superconducting wires [1449](#)
Al-Shahrani A: *see* Merazga A [3721](#)
Al-Shamery K: Photochemistry at nanoparticulate surfaces [S1581](#)
Al-Wahsh H: *see* Cocoltzi G H [3683](#)
Al-Wahsh H: *see* Dobrzyński L [9047](#)
Al-Wahsh H: *see* Dobrzynski L [3151](#)
Alam A and Mookerjee A: Lattice thermal conductivity of disordered NiPd and NiPt alloys [4589](#)
Alba-Simionesco C, Coasne B, Dosseh G, Dudziak G, Gubbins K E, Radhakrishnan R

- and Sliwinska-Bartkowiak M: Effects of confinement on freezing and melting [R15](#)
- Albano E V, De Virgiliis A, Müller M and Binder K: Study of the dynamic growth of wetting layers in the confined Ising model with competing surface fields [2761](#)
- Albe K: *see* Erhart P [6585](#)
- Albers R C: *see* Schnell I [1483](#)
- Albertazzi E: *see* Lulli G [2077](#)
- Alberto H V: *see* Cox S F J [1061](#)
- Alberto H V: *see* Cox S F J [1079](#)
- Albrecht C H, Clausen-Schaumann H and Gaub H E: Differential analysis of biomolecular rupture forces [S581](#)
- Albuquerque E L: *see* de Medeiros F F [8737](#)
- Aldinger F: *see* Dohčević-Mitrović Z D [S2061](#)
- Alevli M: *see* Strassburg M [2615](#)
- Alexiou C: *see* Brunke O [S2903](#)
- Alexiou C: *see* Jurgons R [S2893](#)
- Alfè D and Gillan M J: The energetics of oxide surfaces by quantum Monte Carlo [L435](#)
- Alfè D and Gillan M J: Absolute rate of thermal desorption from first-principles simulation [L451](#)
- Alferes P P: *see* Ribeiro J L [7761](#)
- Algarabel P A: *see* Ritter C [3937](#)
- Allan N L: *see* Todorov I T [2217](#)
- Alleg S: *see* Azzaza S [7257](#)
- Allongue P and Maroun F: Self-ordered electrochemical growth on single-crystal electrode surfaces [S97](#)
- Almeida A: *see* Ribeiro J L [7761](#)
- Alonso J A: *see* Falcón H [6841](#)
- Alouani M: *see* Kanchana V [5155](#)
- Altarelli M: *see* Wilkins S B [L323](#)
- Altounian Z: *see* Liu X B [5503](#)
- Alvermann A: *see* Loos J [7299](#)
- Alves J L A: *see* de Paiva R [8589](#)
- Ambacher O: *see* Cherkashinin G [9841](#)
- Amendola M E and Noce C: Excitation gaps in the orbitally degenerate Hubbard model [8345](#)
- Amenitsch H: *see* Aswal V K [11399](#)
- Aminov L K, Nikitin S I, Silkin N I, Shakhov A A, Yusupov R V, Abdulsabirov R Yu and Korableva S L: Optical studies of Pb²⁺ ions in a LiBaF₃ crystal [4985](#)
- Amirthapandian S: *see* RaghavendraReddy V [6401](#)
- Ammar M: *see* Chakrabarti P K [5253](#)
- Ammar S, Jouini N, Fiévet F, Beji Z, Smiri L, Moliné P, Danot M and Grenèche J-M: Magnetic properties of zinc ferrite nanoparticles synthesized by hydrolysis in a polyol medium [9055](#)
- Amoruso S, Ausanio G, Bruzzese R, Lanotte L, Scardi P, Vitiello M and Wang X: Synthesis of nanocrystal films via femtosecond laser ablation in vacuum [L49](#)
- Amriou T: *see* Aouadi S M [S1691](#)
- Anderle M: *see* Laidani N [5945](#)
- Andersen J N: *see* Lundgren E [R481](#)
- Andersen O S: *see* Ashrafuzzaman Md [S1235](#)
- Anderson W F: *see* Hong J W [S691](#)
- Anderson W W: *see* Chesnut G N [S1083](#)
- Andersson G: *see* Kamali-M S [5807](#)
- Ando N: *see* David M [1137](#)
- Andrade L H C, Li M S, Guyot Y, Brenier A and Boulon G: Optical multi-sites of Nd³⁺-doped CaMoO₄ induced by Nb⁵⁺ charge compensator [7883](#)
- Andrade R F S: *see* de Assis T A [3393](#)
- André G: *see* Paul-Boncour V [6409](#)
- André G: *see* Tran V H [703](#)
- Andreani C, Pantalei C and Senesi R: Mean kinetic energy of helium atoms in fluid ³He and ³He-⁴He mixtures [5587](#)
- Andreica D: *see* Schenck A [1955](#)
- Andreozzi L, Autiero C, Faetti M, Giordano M and Zulli F: Dynamic crossovers and activated regimes in a narrow distribution poly(n-butyl acrylate): an ESR study [6481](#)
- Andreozzi L, Faetti M and Giordano M: On the scaling in the rotational dynamics of molecular probes in salol and ortho-terphenyl: a possible role of the energy landscape basins [931](#)
- Andresen T L: *see* Mouritsen O G [S1293](#)
- Andrianov I: *see* Saalfrank P [S1425](#)
- Andrieu S: *see* Tiusan C [941](#)
- Andrikopoulos K S, Yannopoulos S N, Voyiatzis G A, Kolobov A V, Ribes M and Tominaga J: Raman scattering study of the a-GeTe structure and possible mechanism for the amorphous to crystal transition [965](#)
- Angius R, Murgia S, Berti D, Baglioni P and Monduzzi M: Molecular recognition and controlled release in drug delivery systems based on nanostructured lipid surfactants [S2203](#)
- Angot E, Le Parc R, Levelut C, Beaurain M, Armand P, Cambon O and Haines J: A high-temperature Raman scattering study of the phase transitions in GaPO₄ and in the AlPO₄-GaPO₄ system [4315](#)
- Anisimov V I, Korotin M A, Nekrasov I A, Mylnikova A S, Lukoyanov A V, Wang J L and Zeng Z: The role of transition metal impurities and oxygen vacancies in the formation of ferromagnetism in Co-doped TiO₂ [1695](#)
- Anisimov V I: *see* Leonov I [10955](#)
- Anisimov V I: *see* Shorikov A O [5973](#)
- Anjos V and Marletta A: Can one-dimensional electron gas be generated in vicinal steps of GaAs? [8715](#)
- Ansell S: *see* Mason P E [8437](#)

- Anselmi C: *see* Neri M [S347](#)
Ansermet J-P: *see* Fábíán A [1569](#)
Ansermet J-Ph: *see* Abid M [6085](#)
Ansermet J-Ph: *see* Pattabiraman M [11081](#)
Antic-Fidancev E: *see* Lupei A [597](#)
Antonov V E: *see* Fedotov V K [1593](#)
Antonov V N: *see* Leonov I [10955](#)
Antropov V P: *see* Samolyuk G D [1473](#)
Anwar S, Sagdeo P R and Lalla N P: Crossover from classical to relaxor ferroelectrics in $\text{BaTi}_{1-x}\text{Hf}_x\text{O}_3$ ceramics [3455](#)
Aoki Y: *see* Sereni J G [3789](#)
Aouadi S M, Bohnhoff A, Amriou T, Williams M, Hilfiker J N, Singh N and Woollam J A: Vacuum ultra-violet spectroscopic ellipsometry study of single- and multi-phase nitride protective films [S1691](#)
Aouadi S M, Zhang Y, Basnyat P, Stadler S, Filip P, Williams M, Hilfiker J N, Singh N and Woollam J A: Physical and chemical properties of sputter-deposited TaC_xN_y films [1977](#)
Aplesnin S S and Piskunova N I: Anomalies in magnetoresistance and in the bulk modulus for ferromagnetics with four-spin exchange interaction on the Kondo lattice [6859](#)
Aquilanti G: *see* Smolentsev G [7393](#)
Arafín S: *see* George A K [3691](#)
Arakawa I: *see* Hirayama T [S1563](#)
Arakawa M, Hirayama F, Ebisu H and Takeuchi H: Fine-structure anomalies in EPR spectra of Gd^{3+} centres formed in TlCdF_3 single crystals [7427](#)
Arakawa M, Okamoto A, Ebisu H and Takeuchi H: An electron paramagnetic resonance study of Fe^{3+} centres in Tl_2MgF_4 and Tl_2ZnF_4 crystals [3053](#)
Araki T and Tanaka H: Surface-sensitive particle selection by driving particles in a nematic solvent [L193](#)
Araki T and Tanaka H: Stripe pattern formation in phase separation accompanying orientational ordering under an external field [L305](#)
Araki T: *see* Sonoda S [4615](#)
Aramburu J A: *see* García-Lastra J M [1519](#)
Aramburu J A: *see* Moreno M [R315](#)
Aranda S: *see* Dimova R [S1151](#)
Araújo M A N and Peres N M R: Weak ferromagnetism and spiral spin structures in honeycomb Hubbard planes [1769](#)
Arbuzov V L: *see* Druzhkov A P [365](#)
Arca M: *see* Cassano T [5279](#)
Archer A J: Dynamical density functional theory for dense atomic liquids [S617](#)
Ardavan A: *see* Benjamin S C [S867](#)
Ardavan A: *see* Tyryshkin A M [S783](#)
Arena D A: *see* Yoon S D [L355](#)
Ari M: *see* Saatçı B [10643](#)
Arias M: *see* Blum L [S2437](#)
Armand P: *see* Angot E [4315](#)
Arola E: *see* Laaksonen K [10097](#)
Arriortua M I: *see* de Pedro I [3767](#)
Arroyo R: *see* Ramos-Lara F [7951](#)
Arscott S, Gaudet M, Brinkmann M, Ashcroft A E and Blossey R: Capillary filling of miniaturized sources for electrospray mass spectrometry [S677](#)
Arushanov E: *see* Lisunov K G [8541](#)
Asghar A: *see* Strassburg M [2615](#)
Ash W L: *see* Tieleman D P [S1221](#)
Ashcroft A E: *see* Arscott S [S677](#)
Ashrafuzzaman Md, Lampson M A, Greathouse D V, Koeppel II R E and Andersen O S: Manipulating lipid bilayer material properties using biologically active amphipathic molecules [S1235](#)
Ashida M: *see* Ichimiya M [1967](#)
Ashizawa Y: *see* Zhang J [4879](#)
Ashok A: *see* Shailos A [1715](#)
Aso N: *see* Hiess A [R437](#)
Assad S M: *see* Pang X-F [9007](#)
Aştefănoaei I, Radu D and Chiriac H: Internal stress distribution in DC joule-heated amorphous glass-covered microwires [2689](#)
Aswal V K, Kohlbrecher J, Goyal P S, Amenitsch H and Bernstorff S: Counterion condensation on charged micelles in an aqueous electrolyte solution as studied with combined small-angle neutron scattering and small-angle x-ray scattering [11399](#)
Atrei A: *see* Caffio M [2379](#)
Aubert P: *see* Abdelouahdi K [1913](#)
Aubin-Chevaldonnet V, Gourier D, Caurant D, Esnouf S, Charpentier T and Costantini J M: Paramagnetic defects induced by electron irradiation in barium hollandite ceramics for caesium storage [4007](#)
Auciello O A: *see* Birrell J [S1771](#)
Aurich K, Glöckl G, Romanus E, Weber P, Nagel S and Weitschies W: Magneto-optical relaxation measurements for the characterization of biomolecular interactions [S2847](#)
Aurilia V: *see* D'Auria S [S2019](#)
Ausanio G: *see* Amoroso S [L49](#)
Autenrieth T: *see* Wagner J [S2697](#)
Autès G, Barreteau C, Spanjaard D and Desjonquères M-C: Magnetism of iron: from the bulk to the monatomic wire [6785](#)
Autiero C: *see* Andreozzi L [6481](#)
Avasthi D K: *see* Dhamodaran S [4135](#)
Avila M A, Huo D, Sakata T, Suekuni K and Takabatake T: Tunable charge carriers and thermoelectricity of single-crystal $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ [1585](#)
Avram N M: *see* Rudowicz C [5221](#)

- Awana V P S: *see* Lal R 2563
 Ayala A P: *see* Silva E N 2511
 Aydınli A: *see* Ağan S 5037
 Aydınli A: *see* Agan S 10705
 Aydoğan, S, Sağlam M and Türit A: The temperature dependence of current–voltage characteristics of the Au/Polypyrrole/p-Si/Al heterojunctions 2665
 Ayres de Campos N: *see* Cox S F J 1079
 Ayyub P: *see* Bose S 4553
 Azevedo S, de Paiva R and Kaschny J R: Stability and electronic structure of $B_xN_yC_z$ nanotubes 10871
 Azevedo S: *see* de Paiva R 3509
 Azzaza S, Alleg S, Moumeni H, Nemamcha A R, Rehspringer J L and Greneche J M: Magnetic properties of nanostructured ball-milled Fe and $Fe_{50}Co_{50}$ alloy 7257
 Azzoni C B: *see* Sangaletti L 7643
- Babin V: *see* Nakonechnyi S 379
 Babu P: *see* Babu S S 3975
 Babu P: *see* Balakrishnaiah R 165
 Babu P: *see* Surendra Babu S 1927
 Babu S S, Babu P, Jayasankar C K, Joshi A S, Speghini A and Bettinelli M: Luminescence and optical absorption properties of Nd^{3+} ions in K–Mg–Al phosphate and fluorophosphate glasses 3975
 Badro J: *see* Mao H-K 5963
 Baerner K: *see* Tankovsky N 7605
 Baglioni P: *see* Angius R 52203
 Baglioni P: *see* Fratini E 52467
 Bagraev N T, Galkin N G, Gehlhoff W, Klyachkin L E, Malyarenko A M and Shelykh I A: Spin interference in silicon one-dimensional ringers L567
 Bahadur D: *see* Banerjee D 4955
 Bahl C R H, Hansen M F, Pedersen T, Saadi S, Nielsen K H, Lebech B and Mørup S: The magnetic moment of NiO nanoparticles determined by Mössbauer spectroscopy 4161
 Bahl C R H, Lefmann K, Theil Kuhn L, Christensen N B, Vázquez H and Mørup S: Spin dynamics in weakly and strongly interacting NiO nanoparticles 11203
 Bahr S: *see* Behrens S 52543
 Bai L: *see* Xu C 2741
 Bai M, Poulsen M and Ducharme S: Effects of annealing conditions on ferroelectric nanomesa self-assembly 7383
 Bai X: *see* Huang Y L179
 Baibarac M: *see* Preda N 8899
 Bailey P: *see* Noakes T C Q 5017
 Bailey S W D: *see* Gunlycke D 5843
 Bak-Misiuk J: *see* Kaganer V M 5047
 Baker S H, Roy M, Louch S and Binns C: Atomic structure in magnetic cluster assembled Fe/Co films as determined from extended absorption fine structure 2385
 Balagurov L A, Klimonsky S O, Kobeleva S P, Konstantinova A S, Orlov A F, Perov N S, Sapelkin A and Yarkin D G: Impact of vacuum thermal treatments on the structure and magnetic properties of titanium oxide films doped with Co 10999
 Balakrishnaiah R, Babu P, Jayasankar C K, Joshi A S, Speghini A and Bettinelli M: Optical and luminescence properties of Nd^{3+} ions in K–Ba–Al-phosphate and fluorophosphate glasses 165
 Balakrishnan G: *see* Wooldridge J 4731
 Balasubramanian C, Bellucci S, Cinque G, Marcelli A, Cestelli Guidi M, Piccinini M, Popov A, Soldatov A and Onorato P: Characterization of aluminium nitride nanostructures by XANES and FTIR spectroscopies with synchrotron radiation S2095
 Balasubramanian C: *see* Zhukovskii Yu F S2045
 Balbashov A M: *see* Jandl S 1667
 Balboni S: *see* Lulli G 2077
 Balcar E: *see* Mulders A M 11195
 Balić-Zunić T: *see* Friese K 2677
 Balic-Zunic T: *see* Grzechnik A 2915
 Ballou R: *see* Bordet P 5147
 Baltazar S E, Romero A H, Rodríguez-López J L and Martoňák R: Finite single wall capped carbon nanotubes under hydrostatic pressure 9119
 Baltog I: *see* Preda N 8899
 Banavar J R: *see* Hoang T X S297
 Banavar J R: *see* Lezon T R 847
 Bandyopadhyay A K, Ray P C and Gopalan V: An approach to the Klein–Gordon equation for a dynamic study in ferroelectric materials 4093
 Bandyopadhyay M and Bhattacharya J: Magnetic and caloric properties of magnetic nanoparticles: an equilibrium study 11309
 Bandyopadhyay M and Dattagupta S: Landau–Drude diamagnetism: fluctuation, dissipation and decoherence 10029
 Banerjee A, Pramanik A K, Kumar K and Chaddah P: Coexisting tunable fractions of glassy and equilibrium long-range-order phases in manganites L605
 Banerjee D, Bahadur D, Suresh K G and Nigam A K: Effect of Al on the structural and magnetic properties of $Er_2Co_{17-x}Al_x$ compounds 4955
 Banerjee R: *see* Bose S 4553
 Banno T: *see* Yasuda N 7659
 Bañuelos J G: *see* Castañeda L 5105
 Banys J: *see* Erdem E 3861
 Bao J and Liang X X: Bulk and surface phonon–polaritons in ternary mixed

- crystals [8229](#)
- Bao Y-J: *see* Wu Z [5425](#)
- Baonza V G: *see* Taravillo M [10213](#)
- Barabash R I: *see* Nicholson D M C [11585](#)
- Baran J, Davydova N A, Drozd M and Pietraszko A: Experimental evidence of formation of a new phase in supercooled liquid 2-biphenylmethanol [5695](#)
- Baran J: *see* Kulicka B [5087](#)
- Barandiarán J M: *see* Gutierrez J [9951](#)
- Baranov A V: *see* Presniakov I A [8943](#)
- Barbeta V B: *see* Escote M T [6117](#)
- Barbieri A: *see* Molin D [7543](#)
- Barey D A: *see* Tankovsky N [7605](#)
- Baribeau J-M, Wu X, Rowell N L and Lockwood D J: Ge dots and nanostructures grown epitaxially on Si [R139](#)
- Barilo S N: *see* Plakhty V P [3517](#)
- Barkema G T: *see* Heim T [S525](#)
- Barman S R: *see* Horn K [435](#)
- Barnaś J: *see* Świrkowicz R [2291](#)
- Barnes A C: *see* Skinner L B [L407](#)
- Barnett S M, Jeffers J and Cresser J D: From measurements to quantum friction [S401](#)
- Baron A Q R: *see* Okada J T [L613](#)
- Barone V: *see* Cantele G [2349](#)
- Barrera A: *see* Campa-Molina J [4827](#)
- Barrero C A, García K E, Morales A L, Kodjikian S and Greneche J M: New analysis of the Mössbauer spectra of akaganeite [6827](#)
- Barreteau C: *see* Autès G [6785](#)
- Barriuso M T: *see* García-Lastra J M [1519](#)
- Barriuso M T: *see* Moreno M [R315](#)
- Bârsan V: Ginzburg–Landau theory beyond the linear-chain approximation: the 2D case [9273](#)
- Barseghyan M G, Kh Manaselyan A and Kirakosyan A A: Intersubband absorption in quantum wire with a convex bottom in a magnetic field [S2161](#)
- Bartali R: *see* Laidani N [5945](#)
- Bartel K, Nattland D, Kumar A, Dogel S and Freyland W: Ellipsometric characterization of surface freezing in Ga-based alloys [3535](#)
- Barticevic Z: *see* Duque C A [1877](#)
- Bartolotta A: *see* Carini G [3251](#)
- Bartolotta A: *see* Carini G [10915](#)
- Basheed G A, Sarkar S and Kaul S N: Evidence for new crystalline phases formed during early stages of crystallization of amorphous FeCuNbSiB alloys [6607](#)
- Bashkin I O: *see* Fedotov V K [1593](#)
- Basnyat P: *see* Aouadi S M [1977](#)
- Bass J D: *see* Kieffer J [903](#)
- Bassett W A: Deviatoric stress: a nuisance or a gold mine? [S921](#)
- Bator G: *see* Galazka M [7145](#)
- Batt G M and Rowlands D A: Nonlocal spectral properties of disordered alloys [11031](#)
- Battabyal M and Dey T K: Seebeck coefficient in polycrystalline $\text{La}_{0.7}\text{Sr}_{0.3-x}\text{Ag}_x\text{MnO}_3$ pellets: analysis in terms of a phase separation model [493](#)
- Batzill M and Diebold U: Characterizing solid state gas responses using surface charging in photoemission: water adsorption on $\text{SnO}_2(101)$ [L129](#)
- Bauer E: *see* El-Hagary M [4567](#)
- Bauer E: *see* Gribanov A [9593](#)
- Bauer E: *see* Sereni J G [3789](#)
- Bauer E: *see* Tran V H [4677](#)
- Bauer T: *see* Hummel A B [2487](#)
- Baumann H: *see* Schmidt H [5363](#)
- Bayvel P: *see* Del Duce A [S795](#)
- Beale T A W: *see* Wilkins S B [L323](#)
- Beales P A: *see* Gordon V D [L415](#)
- Beaurain M: *see* Angot E [4315](#)
- Beck H: *see* Rodríguez-Núñez J J [11561](#)
- Becker P: *see* Heyer O [L471](#)
- Beckmann F: *see* Brunke O [S2903](#)
- Bedanta S: *see* Stromberg F [9881](#)
- Bedoya-Martínez O N, Kaczmarek M and Hernández E R: Melting temperature of fcc metals using empirical potentials [8049](#)
- Beere H E: *see* Godfrey M D [L123](#)
- Behr G: *see* Lisunov K G [8541](#)
- Behrens S, Bönemann H, Matoussevitch N, Gorschinski A, Dinjus E, Habicht W, Bolle J, Zinoveva S, Palina N, Hormes J, Modrow H, Bahr S and Kempter V: Surface engineering of Co and FeCo nanoparticles for biomedical application [S2543](#)
- Beitlerova A: *see* Nikl M [3069](#)
- Bejas M: *see* Foussats A [11411](#)
- Beji Z: *see* Ammar S [9055](#)
- Belamie E, Mosser G, Gobeaux F and Giraud-Guille M M: Possible transient liquid crystal phase during the laying out of connective tissues: α -chitin and collagen as models [S115](#)
- Belghachi A: *see* Meftah A F [9435](#)
- Bellachioma C: *see* Laidani N [5945](#)
- Bellecci C: *see* Martellucci S [S2039](#)
- Bellezza J: *see* Pillonnet A [10043](#)
- Bellini B, Ackermann J, Klein H, Grave Ch, Dumas Ph and Safarov V: Light-induced molecular motion of azobenzene-containing molecules: a random-walk model [S1817](#)
- Bellissent R: *see* Coulet M-V [11471](#)
- Bellissent-Funel M C: *see* Zanotti J-M [S2299](#)
- Bellouard C: *see* Tiusan C [941](#)
- Bellucci S, Cini M, Onorato P and Perfetto E: Correlated nanoscopic Josephson junctions [S2069](#)
- Bellucci S, Cini M, Onorato P and Perfetto E: Suppression of electron–electron repulsion and superconductivity in ultra-small carbon

- nanotubes [S2115](#)
- Bellucci S and Maisheev V A: Radiation of relativistic particles for quasiperiodic motion in a transparent medium [S2083](#)
- Bellucci S: *see* Balasubramanian C [S2095](#)
- Bellucci S: *see* Galfetti L [S1991](#)
- Bellucci S: *see* Zhukovskii Yu F [S2045](#)
- Belogorodsky Y: *see* Shirinyan A [2537](#)
- Belvisi L: *see* Monticelli L [S329](#)
- Belyakov V A, Osipov M A and Stewart I W: Nonsingular walls in plane cholesteric layers [4443](#)
- Bencok P: *see* Wilkins S B [L323](#)
- Benitez G A: *see* Vericat C [R867](#)
- Benjamin S C, Ardavan A, Briggs G A D, Britz D A, Gunlycke D, Jefferson J, Jones M A G, Leigh D F, Lovett B W, Khlobystov A N, Lyon S A, Morton J J L, Porfyrikis K, Sambrook M R and Tyryshkin A M: Towards a fullerene-based quantum computer [S867](#)
- Benjamin S C: *see* Tyryshkin A M [S783](#)
- Bennecer B: *see* Kalarasse F [7237](#)
- Bennowitz R: Structured surfaces of wide band gap insulators as templates for overgrowth of adsorbates [R417](#)
- Bentley P M and Kilcoyne S H: Determination of hyperfine field distributions in amorphous magnets [7751](#)
- Berger H: *see* Caimi G [4065](#)
- Berger R: *see* Kamali-M S [7373](#)
- Berger R: *see* Yablonskikh M V [1757](#)
- Berghout A, Zaoui A and Hugel J: Fundamental state quantities and high-pressure phase transition in beryllium chalcogenides [10365](#)
- Bergman A: *see* Kamali-M S [5807](#)
- Bergqvist L and Eriksson O: Theory of weakly coupled two-dimensional magnets [4853](#)
- Berkov D V, Gorn N L, Schmitz R and Stock D: Langevin dynamic simulations of fast remagnetization processes in ferrofluids with internal magnetic degrees of freedom [S2595](#)
- Berkowski M: *see* Zhydachevskii Ya [5389](#)
- Berkowski M: *see* Zhydachevskii Ya [11385](#)
- Bermejo F J, Bustinduy I, Cox S F J, Lord J S, Cabrillo C and Gonzalez M A: Exploring the dynamics about the glass transition by muon spin relaxation and muon spin rotation [2871](#)
- Bermejo F J: *see* Gutierrez J [9951](#)
- Bermúdez V: *see* Ruiz C M [7163](#)
- Bernardino N R: *see* Parry A O [6433](#)
- Berndt R: *see* Kröger J [S51](#)
- Bernhoeft N, Hiess A, Metoki N, Lander G H and Roessli B: Magnetization dynamics in the normal and superconducting phases of UPd₂Al₃: II. Inferences on the nodal gap symmetry [5961](#)
- Bernhoeft N: *see* Hiess A [R437](#)
- Bernstorff S: *see* Aswal V K [11399](#)
- Bersier C, Renold S, Stoll E P and Meier P F: First principles study of local electronic and magnetic properties in pure and electron-doped Nd₂CuO₄ [7481](#)
- Berti D: *see* Angius R [S2203](#)
- Bessais L, Dorolti E and Djéga-Mariadassou C: Combined effect of gallium and carbon on the structure and magnetic properties of nanocrystalline SmFe₉ [3845](#)
- Besson S: *see* Gacoin T [S85](#)
- Betancur F J: *see* Marín J H [1005](#)
- Beton P H: *see* Humphry M J [S1837](#)
- Bettinelli M, Speghini A, Falcomer D, Daldosso M, Dallacasa V and Romanò L: Photocatalytic, spectroscopic and transport properties of lanthanide-doped TiO₂ nanocrystals [S2149](#)
- Bettinelli M: *see* Babu S S [3975](#)
- Bettinelli M: *see* Balakrishnaiah R [165](#)
- Bettinelli M: *see* Caldiño U [3499](#)
- Bettinelli M: *see* Sangaletti L [7643](#)
- Beuneu B: *see* Jiménez-Melero E [7893](#)
- Beuneu F: *see* Costantini J-M [3671](#)
- Beyvers S: *see* Saalfrank P [S1425](#)
- Bezerra E M, Flores M Z S, Caetano E W S, Freire V N, Lemos V and Cavada B S, de Lima Filho J L: Quantum mechanical *ab initio* calculations of the Raman scattering from psoralens [8325](#)
- Bezlyepkina N: *see* Dimova R [S1151](#)
- Bezmaternikh L: *see* Fischer P [7975](#)
- Bhardwaj S R: *see* Verma A S [8603](#)
- Bhat H L: *see* Ghosh N [557](#)
- Bhat S, Tuinier R and Schurtenberger P: Spinodal decomposition in a food colloid-biopolymer mixture: evidence for a linear regime [L339](#)
- Bhat S V: *see* Sarangi S [L143](#)
- Bhatia S N, Mohapatra N, Kaundalaya D and Malik S K: Transport, magnetic and thermal properties of Pr doped LaSr₂Mn₂O₇: a Kondo-type behaviour of resistivity [7179](#)
- Bhattacharjee S M: *see* Kapri R [S215](#)
- Bhattacharya D: *see* Mondal P [6869](#)
- Bhattacharya J: *see* Bandyopadhyay M [11309](#)
- Bhattacharyya B: *see* Gupta S [1987](#)
- Bhaumik U and Taraphder A: A study of long-range order in certain two-dimensional frustrated lattices [8251](#)
- Bhobe P A, Monteiro J H, Cascalheira J C, Mendiratta S K, Priolkar K R and Sarode P R: Composition and temperature dependence of the thermoelectric power of Ni_{2+x}Mn_{1-x}Ga alloys [10843](#)
- Bi C Z, Ma J Y, Yan J, Fang X, Zhao B R, Yao D Z and Qiu X G: Electron-phonon coupling in Nb-doped SrTiO₃ single crystal [2553](#)
- Bian L: *see* Ham M-H [7703](#)

- Biasini M and Rusz J: Cancellation of probe effects in measurements of spin-polarized momentum density by electron-positron annihilation [L289](#)
- Bichara C: *see* Coulet M-V [11471](#)
- Bicudo P: *see* Cardoso M [8623](#)
- Bigelow M S, Lepeshkin N N, Shin H and Boyd R W: Propagation of smooth and discontinuous pulses through materials with very large or very small group velocities [3117](#)
- Bilalbegović G: Electronic properties of silica nanowires [3829](#)
- Bilek M M M: *see* Houska J [2337](#)
- Binczycka H, Kahle M, Cusenza S, Carpena E and Schaaf P: Interstitial ordering of nitrogen and carbon in laser nitrided and laser carburized austenitic stainless steel [10561](#)
- Binder H: Thermodynamics of competitive surface adsorption on DNA microarrays [S491](#)
- Binder H and Preibisch S: GeneChip microarrays—signal intensities, RNA concentrations and probe sequences [S537](#)
- Binder K: *see* Albano E V [2761](#)
- Binder K: *see* Diaz Ochoa J G [2777](#)
- Binder R and Lindberg M: Optical electron-hole tweezers in semiconductors [729](#)
- Bindra K S: *see* Suri N [9129](#)
- Binggeli N: *see* Wilkins S B [L323](#)
- Binns C: *see* Baker S H [2385](#)
- Biondo V: *see* Caria S [S2139](#)
- Bird C F: *see* Bowler D R [L241](#)
- Bird J P: *see* Shailos A [1715](#)
- Bird J P: *see* Shailos A [3277](#)
- Birkett P R: *see* Humphry M J [S1837](#)
- Biró L P: *see* Tapasztó L [5793](#)
- Birowosuto M D, Dorenbos P, van Eijk C W E, Krämer K W and Güdel H U: Scintillation properties and anomalous Ce³⁺ emission of Cs₂NaREBr₆:Ce³⁺ (RE = La, Y, Lu) [6133](#)
- Birowosuto M D: *see* Zeng Q [9549](#)
- Birrell J, Gerbi J E, Auciello O A and Carlisle J A: Investigating the role of hydrogen in ultra-nanocrystalline diamond thin film growth [S1771](#)
- Bismayer U: *see* Katzke H [5129](#)
- Bismayer U: *see* Marinova V [L385](#)
- Bjeliš A: *see* Bonačić Lošić Z [3655](#)
- Blake C: *see* Gordon V D [L415](#)
- Blanco M A: *see* Vail J M [2125](#)
- Bland J A C: *see* Gillingham D M [9135](#)
- Blasco J, Merino R I, García J and Sánchez M C: Properties and phase transition of the ordered perovskite Pb₂MnWO₆ [2261](#)
- Bleibaum O: Spin-diffusion equations for semiconductor heterostructures with long-range impurity scattering [6237](#)
- Blinic R: *see* Scott J F [L205](#)
- Blossley R: *see* Arscott S [S677](#)
- Blum L and Arias M: Structure of multi-component/multi-Yukawa mixtures [S2437](#)
- Blyth J: *see* Marshall A J [S619](#)
- Bobet J-L: *see* Chevalier B [1743](#)
- Bogacz B F: *see* Pędzwiatr A T [8891](#)
- Bogaerts A: *see* Titantah J T [10803](#)
- Bohacek P: *see* Nistor S V [719](#)
- Bohatý L: *see* Heyer O [L471](#)
- Bohlius S, Pleiner H and Brand H R: Pattern formation in ferrogels: analysis of the Rosensweig instability using the energy method [S2671](#)
- Böhm V: *see* Zimmermann K [S2973](#)
- Bohnhoff A: *see* Aouadi S M [S1691](#)
- Boilot J P: *see* Gacoin T [S85](#)
- Bolle J: *see* Behrens S [S2543](#)
- Bonačić Lošić Z, Županović P and Bjeliš A: Photoemission properties of quasi-one-dimensional conductors [3655](#)
- Bondarev V: *see* Gorev M [4407](#)
- Bondino F, Magnano E, Carleschi E, Zangrando M, Galli F, Mydosh J A and Parmigiani F: Electronic structure of the charge-density-wave compound Er₅Ir₄Si₁₀ [5773](#)
- Bönnemann H: *see* Behrens S [S2543](#)
- Bontemps N: *see* El Azrak A [8161](#)
- Bonville P: *see* Glazkov V N [2285](#)
- Bonville P: *see* Wills A S [L37](#)
- Booth P J: *see* Findlay H E [S1281](#)
- Borchardt G: *see* Schmidt H [S363](#)
- Borck Ø and Schröder E: First-principles study of the adsorption of methanol at the α -Al₂O₃(0001) surface [1](#)
- Borck Ø and Schröder E: Adsorption of methanol and methoxy on the α -Cr₂O₃(0001) surface [10751](#)
- Bordet P, Gelard I, Marty K, Ibanez A, Robert J, Simonet V, Canals B, Ballou R and Lejay P: Magnetic frustration on a Kagomé lattice in R₃Ga₅SiO₁₄ langasites with R = Nd, Pr [5147](#)
- Borini S: *see* D'Auria S [S2019](#)
- Borstel G: *see* Shi H [8367](#)
- Bos A J J: *see* Sidorenko A V [4503](#)
- Bos J W G: *see* Ishiwata S [3745](#)
- Bose S, Banerjee R, Genc A, Raychaudhuri P, Fraser H L and Ayyub P: Size induced metal-insulator transition in nanostructured niobium thin films: intra-granular and inter-granular contributions [4553](#)
- Bose Roy P and Bose Roy S: Applicability of isothermal unrealistic two-parameter equations of state for solids [10481](#)
- Bose Roy S: *see* Bose Roy P [10481](#)
- Bošković S: *see* Dohčević-Mitrović Z D [S2061](#)
- Bossis G: *see* López-López M T [S2803](#)
- Boström T K and Wäckelgård E: Optical

- properties of solution-chemically derived thin film Ni–Al₂O₃ composites and Si, Al and Si–Ti oxides 7737
- Böttcher R: *see* Erdem E 3861
- Botton G A: *see* Radtke G 3629
- Bouarissa N: *see* Abdi-Ben Nasrallah S 3005
- Bouffard M: *see* Boulma E 6721
- Bouguelia A: *see* Hadjarab B 8551
- Boukhvalov D W: *see* Chang G S 4243
- Boulma E, Diaf M, Jouart J P, Bouffard M, Doualan J L and Moncorgé R: Anti-Stokes emissions and determination of Stark sub-level diagram of Er³⁺ ions in KY₃F₁₀ 6721
- Boulon G: *see* Andrade L H C 7883
- Bourahla B, Khater A, Rafil O and Tigrine R: Vibration spectra of single atomic nanocontacts 8683
- Bourdon A: *see* Mériguet G S2685
- Bourée F: *see* Paul-Boncour V 6409
- Bourée F: *see* Tran V H 703
- Bourson P: *see* Zhang Y 957
- Bouvier P: *see* Machon D 3443
- Bowden G J, de Groot P A J, Rainford B D, Wang K, Martin K N, Zimmermann J P and Fangohr H: Magnetic anisotropy terms in [110] MBE-grown REFe₂ films involving the strain term ϵ_{xy} 5861
- Bowden G J: *see* Martin K N 459
- Bowen M: *see* Friedland K-J 2641
- Bowler D R, Bird C F and Owen J H G: 1D semiconducting atomic chain of In and Bi on Si(001) L241
- Boyd R W: *see* Bigelow M S 3117
- Boysen H: *see* Ranjan R 9679
- Boysen H: *see* Ranjan R L515
- Böyük U: *see* Akbulut S 8403
- Bozoklu M: *see* Saatçi B 10643
- Brahma S: *see* Chakrabarti P K 5253
- Brajpuriya R, Sharma A, Tripathi S, Reddy V R and Chaudhari S M: Temperature induced structural changes at interfaces and their influence on magnetic and electronic properties of ultrathin Fe/Al structures 1197
- Brand H R: *see* Bohlius S S2671
- Brand S: *see* Timon V 3489
- Brańka A C: *see* Heyes D M 7553
- Brassamin S: *see* Pozdnyakova I 6469
- Bravo D, Martín A, Carvajal J J, Aguiló M, Díaz F and López F J: Er³⁺ impurities in KTiOPO₄ studied by electron paramagnetic resonance 6655
- Brazhkin V V: Metastable phases and ‘metastable’ phase diagrams 9643
- Bremers H: *see* Michele O 4921
- Brenier A: *see* Andrade L H C 7883
- Bria D: *see* Cocolletzi G H 3683
- Briddon P R: *see* Latham C D 8859
- Briggs G A D: *see* Benjamin S C S867
- Briggs G A D: *see* Gunlycke D S843
- Briggs G A D: *see* Gunlycke D S851
- Briggs G A D: *see* Tyryshkin A M S783
- Brik M G: *see* Rudowicz C 5221
- Brillo J: *see* Pozdnyakova I 6469
- Bringa E M: *see* Rosolankova K 6749
- Brinkmann M: *see* Arscott S S677
- Britz D A: *see* Benjamin S C S867
- Brizé V: *see* Hong N H 6897
- Broccio M: *see* Mallamace F S2285
- Brodin A and Rössler E A: Universal and non-universal features of the dynamic susceptibility of supercooled liquids 8481
- Brojen Singh R K: *see* Cerovski V Z 7155
- Brookes N B: *see* Venturini F 9221
- Broto J M: *see* Lassagne B 4581
- Broto J M: *see* Lisunov K G 8541
- Brovchenko I: *see* Oleinikova A S2247
- Brow R K: *see* Hoppe U 1847
- Brown P J and Chatterji T: Neutron diffraction and polarimetric study of the magnetic and crystal structures of HoMnO₃ and YMnO₃ 10085
- Brown P J, Gandy A P and Ziebeck K R A: Anisotropic magnetic site susceptibilities of the weak ferromagnet Au₄V above and below its Curie temperature 2925
- Brown P J, Gandy A P, Ishida K, Kainuma R, Kanomata T, Neumann K-U, Oikawa K, Ouladdiaf B and Ziebeck K R A: The magnetic and structural properties of the magnetic shape memory compound Ni₂Mn_{1.44}Sn_{0.56} 2249
- Brown P J: *see* Plakhty V P 3517
- Brück E: *see* Ou Z Q 11577
- Brückel T: *see* Paul A L149
- Brun J-F: *see* De Sousa Meneses D 5669
- Brun J-F: *see* Pozdnyakova I 6469
- Brunke O and Odenbach S: *In situ* observation and numerical calculations of the evolution of metallic foams 6493
- Brunke O, Odenbach S, Jurgons R, Alexiou C, Hilger I and Beckmann F: Determination of the magnetic particle distribution in tumour tissue by means of x-ray tomography S2903
- Bruno P: *see* Henk J 2601
- Bruns M: *see* Schmidt H 5363
- Bruzzese R: *see* Amoroso S L49
- Bryksin V V: *see* Kleinert P 7497
- Bucher J P: *see* Rastei M V L619
- Bucio L: *see* Campa-Molina J 4827
- Buck G R: *see* Randall G L S173
- Bud’ko S L, Schmiedeshoff G M, Lapertot G and Canfield P C: Anisotropic thermal expansion and magnetostriction of YNi₂B₂C single crystals 8353
- Bud’ko S L: *see* Samolyuk G D 1473
- Budnick J I: *see* Han Z H 2273

- Buhot A: *see* Halperin A [S463](#)
Bukivskij P M: *see* Gamernyk R V [5323](#)
Bukivskij P M: *see* Gnatenko Yu P [9603](#)
Bukowski Z: *see* Mucha J [3097](#)
Buldyrev S V: *see* Xu L [S2239](#)
Buldyrev S V: *see* Zaccarelli E [S2373](#)
Bulla R: *see* Tornow S [5985](#)
Burden C J, Pittelkow Y and Wilson S R:
Adsorption models of hybridization and
post-hybridization behaviour on
oligonucleotide microarrays [5545](#)
Burianek M: *see* Schreuer J [10977](#)
Burnham C J: *see* de Souza N R [S2321](#)
Burroughs N J and Marenduzzo D: Growth of a
semi-flexible polymer close to a fluctuating
obstacle: application of cytoskeletal actin
fibres and testing of ratchet models [S357](#)
Burt M G: A theorist in industry: can one fall
between two stools and still land on one's
feet? [S389](#)
Burzo E, Chioncel L, Costina I and
Chiuzbăian S G: Electronic structure and
magnetic properties of $Gd_xLa_{1-x}Ni_5$
system [4861](#)
Buscarino G, Agnello S and Gelardi F M:
Hyperfine structure of the E'_g centre in
amorphous silicon dioxide [5213](#)
Buschow K H J: *see* Ou Z Q [11577](#)
Buse K: *see* Hartwig U [L447](#)
Buse K: *see* Olimov Kh [5135](#)
Busoni L, Dupont A, Symonds C, Prost J and
Cappello G: Short time investigation of the
neurospora kinesin step [S1957](#)
Bustinduy I: *see* Bermejo F J [2871](#)
Butcher M J: *see* Humphry M J [S1837](#)
Büttgen N: *see* Nath R [4285](#)
Buyanova I A, Izadifard M, Chen W M, Xin H P
and Tu C W: On a possible origin of the
2.87 eV optical transition in GaNP [449](#)
Bystricky K: *see* Gehlen L R [S245](#)
Bytchkov A: *see* Pozdnyakova I [6469](#)

Cabo-Bizet N G: *see* Menéndez-Proupin E [7283](#)
Cabrillo C: *see* Bermejo F J [2871](#)
Cáceres M: *see* Taravillo M [10213](#)
Cach R: *see* Stankiewicz A [3993](#)
Çadirli E: *see* Üstün E [7825](#)
Cadogan J M: *see* Perry L K [5783](#)
Cadogan J M: *see* Wang J L [189](#)
Caetano E W S: *see* Bezerra E M [8325](#)
Caffio M, Atrei A, Cortigiani B and Rovida G:
STM study of the nanostructures prepared by
deposition of NiO on Ag(001) [2379](#)
Cagliero S: *see* Truccato M [8295](#)
Cai J, Golinsky I and Philpott M R:
Semiconductor–metal transition of pyrite
FeS₂ under high pressure by full-potential
linearized-augmented plane wave
calculations [9151](#)
Cai L: *see* Xiao J [L155](#)
Cai L-C: *see* Tian C-L [8103](#)
Cai T-Yi, Ju S and Li Z-Ya: Antisite
disorder-induced low-field magnetoresistance
in some frustrated Sr₂FeMoO₆ [11347](#)
Cai W: *see* Hu J [5415](#)
Caignaert V: *see* Maignan A [4305](#)
Caignaert V: *see* Motohashi T [2157](#)
Caignaert V: *see* Raveau B [10237](#)
Caimi G, Degiorgi L, Berger H and Forró L:
Phonon analysis of the $S = 1$ quantum spin
systems Ni₅Te₄O₁₂X₂ (X = Cl and Br) [4065](#)
Calabri L, Pugno N, Ding W and Ruoff R S:
Resonance of curved nanowires [S2175](#)
Calado H D R: *see* Patrício P S O [7529](#)
Calandrini V, Deriu A, Onori G, Paciaroni A and
Telling M T F: Pressure effect on water
dynamics in tert-butyl alcohol/water
solutions [S2363](#)
Calarco R: *see* Milekhin A G [5825](#)
Calas G: *see* Sorieul S [8493](#)
Caldino U, Speghini A and Bettinelli M: Optical
spectroscopy of zinc metaphosphate glasses
activated by Ce³⁺ and Tb³⁺ ions [3499](#)
Caldino U: *see* Ramos-Lara F [7951](#)
Calestani G: *see* Sangaletti L [7643](#)
Caliskan S: Conductance modulation of a
nonballistic Datta–Das spin field effect
transistor [10313](#)
Callcott T A: *see* Chang G S [4243](#)
Callejas-Fernández J: *see* Haro-Pérez C [L363](#)
Cambon O: *see* Angot E [4315](#)
Campa-Molina J, Ulloa-Godínez S, Barrera A,
Bucio L and Mata J: Nano and micro
reoriented domains and their relation with the
crystal structure in the new ferroelectric
boracite Zn₃B₇O₁₃Br [4827](#)
Campbell S J: *see* Wang J L [189](#)
Campo J: *see* Escote M T [6117](#)
Campos C E M, de Lima J C, Grandi T A,
Schmitt M and Pizani P S: Mechanical
alloying: a pressure induced reaction for
obtaining zinc blende GaSb and multiphase
states [8613](#)
Canals B: *see* Bordet P [5147](#)
Canals B: *see* Wills A S [L37](#)
Cancino S: *see* Munoz R C [3401](#)
Candolfi C: *see* Puyet M [11301](#)
Canepa F: *see* Perry L K [5783](#)
Canfield P C: *see* Bud'ko S L [8353](#)
Canfield P C: *see* Samolyuk G D [1473](#)
Canfield P C: *see* Venturini F [9221](#)
Canko O, Deviren B and Keskin M: Dynamic
phase transition in the kinetic spin-3/2
Blume–Emery–Griffiths model in an
oscillating field [6635](#)
Cann D P: *see* Qu W [8935](#)
Cannas M: *see* Messina F [9967](#)

- Čanová L, Strečka J and Jaščur M: Geometric frustration in the class of exactly solvable Ising–Heisenberg diamond chains 4967
- Cantele G, Trani F, Ninno D, Cossi M and Barone V: A theoretical study of ethylene, cyclopentene and 1-amino-3-cyclopentene adsorption on the silicon (100) surface 2349
- Cao B Y: *see* Zhang Q G 7937
- Cao D: *see* Li W 6065
- Cao G: *see* Ren Z L379
- Cao L: *see* Huang S 7135
- Cao Z-L: *see* Zheng X-H L599
- Capelli R, Dinelli F, Loi M A, Murgia M, Zamboni R and Muccini M: Ambipolar organic light-emitting transistors employing heterojunctions of n-type and p-type materials as the active layer S2127
- Cappello G: *see* Busoni L S1957
- Carboni C: *see* George A K 3691
- Cardoso C, Gasche T and Godinho M: A study of the magnetic structure of YFe_4Al_8 8817
- Cardoso M, Bicudo P and Sacramento P D: Vorticity and magnetic shielding in a type-II superconductor 8623
- Caria S, Da Como E, Murgia M, Zamboni R, Melpignano P and Biondo V: Enhanced light emission efficiency and current stability by morphology control and thermal annealing of organic light emitting diode devices S2139
- Carini G, Carini G, D'Angelo G, Tripodo G, Bartolotta A and Di Marco G: Fragility, anharmonicity and anelasticity of silver borate glasses 10915
- Carini G, Carini G, Tripodo G, Bartolotta A and Di Marco G: Effect of cation sizes on tunnelling states, relaxations and anharmonicity of alkali borate glasses 3251
- Carini G: *see* Carini G 3251
- Carini G: *see* Carini G 10915
- Carleschi E: *see* Bondino F 5773
- Carlisle J A: *see* Birrell J S1771
- Carlson E: *see* Heim T S525
- Carloni P: *see* Neri M S347
- Carmelo J M P and Penc K: Spectral microscopic mechanisms and quantum phase transitions in a 1D correlated problem 2881
- Carmelo J M P, Penc K, Sacramento P D, Sing M and Claessen R: The Hubbard model description of the TCNQ related singular features in photoemission of TTF-TCNQ 5191
- Carnazza S, Satriano S and Guglielmino S: Self-organization of yeast cells on modified polymer surfaces after dewetting: new perspectives in cellular patterning S2221
- Carnevale V: *see* Neri M S347
- Caroca-Canales N: *see* Pikul A P L535
- Carpene E: *see* Binczycka H 10561
- Carpenter M A, Howard C J, Knight K S and Zhang Z: Structural relationships and a phase diagram for $(\text{Ca},\text{Sr})\text{TiO}_3$ perovskites 10725
- Carvajal J J: *see* Bravo D 6655
- Casanove M-J: *see* Meltchakov E 3355
- Cascalheira J C: *see* Bhohe P A 10843
- Casciola M: *see* Paciaroni A S2029
- Cass M: *see* Heyes D M 7553
- Cassano T, Tommasi R, Arca M and Devillanova F A: Investigation of the nonlinear absorption of $[\text{M}(\text{Et}_2\text{timdt})_2]$ ($\text{M} = \text{Pd}, \text{Pt}$) in the pico- and nanosecond timescales using the Z-scan technique 5279
- Castañeda L, Morales-Saavedra O G, Cheang-Wong J C, Acosta D R, Bañuelos J G, Maldonado A and de la L Olvera M: Influence of indium concentration and substrate temperature on the physical characteristics of chemically sprayed ZnO:In thin films deposited from zinc pentanedionate and indium sulfate 5105
- Castro-Couceiro A, Yáñez-Vilar S, Rivas-Murias B, Fondado A, Mira J, Rivas J and Señaris-Rodríguez M A: Dielectric properties of the charge-ordered mixed oxide $\text{CaMn}_7\text{O}_{12}$ 3803
- Cataudella V: *see* Di Capua R 8195
- Cates M E: *see* Gordon V D L415
- Caurant D: *see* Aubin-Chevaldonnet V 4007
- Cava R J: *see* Ishiwata S 3745
- Cavada B S: *see* Bezerra E M 8325
- Cerovski V Z, Brojen Singh R K and Schreiber M: Localization of non-interacting electrons in thin layered disordered systems 7155
- Ces O: *see* Shearman G C S1105
- Cestelli Guidi M: *see* Balasubramanian C S2095
- Cezar J C: *see* Venturini F 9221
- Chacon C: *see* Long G J 10765
- Chaddah P: *see* Banerjee A L605
- Chaddah P: *see* Roy S B 9471
- Chadwick A V, Savin S L P, O'Dell L A and Smith M E: Keeping it small—restricting the growth of nanocrystals L163
- Chakrabarti H and Pal B: Signature of glass transition in a strongly correlated 2D liquid 9323
- Chakrabarti J, Chakrabarti S and Löwen H: Short ranged attraction and long ranged repulsion between two solute particles in a subcritical liquid solvent L81
- Chakrabarti P K, Nath B K, Brahma S, Das S, Goswami K, Kumar U, Mukhopadhyay P K, Das D, Ammar M and Mazaleyrat F: Magnetic and hyperfine properties of nanocrystalline $\text{Ni}_{0.2}\text{Zn}_{0.6}\text{Cu}_{0.2}\text{Fe}_2\text{O}_4$ prepared by a chemical route 5253
- Chakrabarti S: *see* Chakrabarti J L81
- Chakraborty K R, Yusuf S M, Krishna P S R,

- Ramanadham M, Tyagi A K and Pomjakushin V: Structural study of $\text{La}_{0.75}\text{Sr}_{0.25}\text{CrO}_3$ at high temperatures 8661
- Champagnon B: *see* Le Parc R 7507
- Chan C T: *see* Chui S T L89
- Chan H L W: *see* Liu J-M 8973
- Chan H S: *see* Wallin S S307
- Chandola S, Jacob J, Fleischer K, Vogt P, Richter W and McGilp J F: Optical and electronic properties of Ag nanodots on Si(111) 6979
- Chandra A, Ranjan R, Singh D P, Khare N and Pandey D: The effect of Pb^{2+} substitution on the quantum paraelectric behaviour of CaTiO_3 2977
- Chang C B: *see* Mason T G R635
- Chang C P: *see* Lee C H 9427
- Chang C P: *see* Lu C L 5849
- Chang C S: *see* Su W B 6299
- Chang G S, Kurmaev E Z, Boukhvalov D W, Finkelstein L D, Kim D H, Noh T-W, Moewes A and Callcott T A: Clustering of impurity atoms in Co-doped anatase TiO_2 thin films probed with soft x-ray fluorescence 4243
- Chang H J: *see* Shu G W L543
- Chaoui Z: A simplified positron elastic scattering model for Monte Carlo calculations 10303
- Chaplot S L: *see* Rao M N 6431
- Chaput L: *see* Puyet M 11301
- Charar S: *see* Viennois R 5371
- Charikova T B: *see* Yablonskikh M V 1757
- Charlton M: *see* Cox S F J 1079
- Charpentier S, Gill-Comeau M, Jandl S and Fournier P: Observation of charge ordering by Raman scattering in $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ thin films 7193
- Charpentier T: *see* Aubin-Chevaldonnet V 4007
- Chatterji T: *see* Brown P J 10085
- Chattopadhyay M K: *see* Manekar M 6017
- Chattopadhyay M K: *see* Roy S B 9471
- Chatzidimitriou-Dreismann C A and Krzystyniak M: Anomalous scattering of keV neutrons from H_2O and D_2O : I. Single scattering events 4741
- Chaudhuri S: *see* Sinha G 2409
- Chaudhuri S: *see* Sinha G 11167
- Chaudhari S M: *see* Brajpuria R 1197
- Chaudhari S M: *see* Pandey S K 1313
- Chaves M R: *see* Ribeiro J L 7761
- Chazallon B: *see* Focsa C S1357
- Cheang-Wong J C: *see* Castañeda L 5105
- Chełkowska G: *see* Tran V H 10353
- Chen D: *see* Munoz R C 3401
- Chen H-Y, Kong X-J, Han D-Z and Shen M: The bound states of D^- centres in a quantum well in the presence of an applied high magnetic field 4543
- Chen I-W: *see* Shuba S 9215
- Chen J, Li L, Yu T, Long H, Weidner D, Wang L and Vaughan M: Do Reuss and Voigt bounds really bound in high-pressure rheology experiments? S1049
- Chen J, Tang D, Zhang B, Yang Y, Lu M and Lu H: Broadband left-handed materials made of thin soft ferromagnetic films with in-plane uniaxial anisotropy 6421
- Chen J, Yang D, Ma X and Que D: Denuded zone in Czochralski silicon wafer with high carbon content 11131
- Chen L-J: *see* Wang D-Y 6357
- Chen N: *see* Zinchenko A A R453
- Chen Q Y: *see* Chu R M 4085
- Chen R B: *see* Lee C H 9427
- Chen S: *see* Li S 3527
- Chen S-H: *see* Fratini E S2467
- Chen S-H: *see* Liu L S2261
- Chen S-H: *see* Mallamace F S2285
- Chen S-H: *see* Zanotti J-M S2299
- Chen W: *see* Lu H-L 5937
- Chen W: *see* Wang H 10817
- Chen W M: *see* Buyanova I A 449
- Chen X: *see* Ren Z L379
- Chen X: *see* Stromberg F 9881
- Chen X M, Fei G T, Cui P, Li Y and Zhang L D: Surface melting of nanometre-sized Pb particles embedded in an Al matrix studied by internal friction technique 7013
- Chen Y, Yang X, Guo Q and Lan S: Second harmonic generation in $\text{GF}(m, 1)$ ferroelectric superlattices 2587
- Chen Y: *see* Freyman C A S1721
- Chen Y: *see* Hong J W S691
- Chen Y: *see* Wang H 10663
- Chen Y: *see* Yoon S D L355
- Chen Y: *see* Zhang X L559
- Chen Y-C: *see* Liu Y-J 1805
- Chen Y F: *see* Lee W N L15
- Chen Y F: *see* Shu G W L543
- Chen Y F: *see* Wang F B 5835
- Chen Y X: *see* Yan S S 10469
- Chen Z-Z, Lu H, Lü R and Zhu B-F: Phonon-assisted Kondo effect in a single-molecule transistor out of equilibrium 5435
- Chen Z-Z: *see* Zhang H-W L477
- Cheng H-C: *see* Wang J-L 10457
- Cheng M-C: *see* Saikin S 1535
- Cheng S-G, Sun Q-F and Xie X C: A spin polarized device constructed with spin-orbit coupled semiconductors 10553
- Cheng W: *see* Sun M 10889
- Cheng W-D: *see* Huang S-P 5535
- Cheng W-D: *see* Xie Z 7171
- Cheng X L: *see* Wu H Y 6665
- Cheng Z: Localization theory of surface exciton

- polaritons on a rough semiconductor surface 3409
- Cheng Z-H: *see* Wang D-Y 6357
- Cherkashinin G, Krischok S, Himmerlich M, Ambacher O and Schaefer J A: Electronic properties of $C_{60}/\text{InP}(001)$ heterostructures 9841
- Cherstvy A G and Everaers R: Layering, bundling, and azimuthal orientations in dense phases of nucleosome core particles 11429
- Chesnut G N, Schiferl D, Streetman B D and Anderson W W: Diamond-anvil cell for radial x-ray diffraction S1083
- Chevalier B, Matar S F, Ménétrier M, Sanchez Marcos J and Rodriguez Fernandez J: Influence of Ce–H bonding on the physical properties of the hydrides $\text{CeCoSiH}_{1.0}$ and $\text{CeCoGeH}_{1.0}$ 6045
- Chevalier B, Wattiaux A and Bobet J-L: The Doniach diagram and hydrogenation of the ternary compounds CePdIn and CePdSn 1743
- Chevrier D K: *see* Vail J M 2125
- Chi G C: *see* Shu G W L543
- Chi Z, Yang H, Li F, Yu R, Jin C, Wang X, Deng X and Li L: Superlattice induced by electron-beam irradiation in magnetic ferroelectric BiMnO_3 4371
- Chien R R, Tu C-S, Schmidt V H and Wang F-T: Electric-field-induced and temperature-induced phase transitions in high-strain ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.67}\text{Ti}_{0.33}\text{O}_3$ single crystal 8337
- Chin T S: *see* Lee W N L15
- Chioncel L: *see* Burzo E 4861
- Chiou B-S: *see* Wang J-L 10457
- Chiou J W: *see* Pao C W 265
- Chiriac H: *see* Aștefănoaei I 2689
- Chiuzbăian S G: *see* Burzo E 4861
- Cho D C: *see* Pan C T 1781
- Chockalingam S P: *see* Sarangi S L143
- Chong L H, Mallik K, de Groot C H and Kersting R: The structural and electrical properties of thermally grown TiO_2 thin films 645
- Chou F C: *see* Lisunov K G 8541
- Choudhury P: *see* Mondal P 6869
- Chougule B K: *see* Devan R S 9809
- Chowdhury J: *see* Maiti S K 5349
- Choy C L: *see* Liu J-M 8973
- Christensen N B: *see* Bahl C R H 11203
- Chu B, Liang D, Hadjiargyrou M and Hsiao B S: A new pathway for developing *in vitro* nanostructured non-viral gene carriers S2513
- Chu C W: *see* Zheng G-Q L63
- Chu P K: *see* Zhang W J 9937
- Chu R M, Chen Q Y and Chu W K: Angular-dependent I – V characteristics in borocarbide superconductor $\text{YNi}_2\text{B}_2\text{C}$ 4085
- Chu W K: *see* Chu R M 4085
- Chu W Y: *see* Lu J 4801
- Chui S T, Chan C T and Lin Z F: Multilayer structures as negative refractive and left-handed materials L89
- Chulkov E V: *see* Sklyadneva I Yu 7923
- Chung Y-W: *see* Freyman C A S1721
- Chuste G: *see* Laidani N 5945
- Ciach A, Gózdź W T and Stell G: Mesoscopic theory for size- and charge-asymmetric ionic systems: I. The case of extreme asymmetry 1629
- Cieplak M: *see* Szymczak P L21
- Cieślak J, Costa B F O and Dubiel S M: The Debye temperature of quasi-equi-atomic α -Fe–Cr alloys 10899
- Cieślak J: *see* Costa B F O 3263
- Ciftja O and Golam Faruk M: Two interacting electrons in a one-dimensional parabolic quantum dot: exact numerical diagonalization 2623
- Cini M: *see* Bellucci S S2069
- Cini M: *see* Bellucci S S2115
- Cinque G: *see* Balasubramanian C S2095
- Ciraci S: *see* Akman N 9509
- Ciuchi S: *see* Paganelli S 7669
- Ciuffa P: *see* Martellucci S S2039
- Ciunik Z: *see* Kulicka B 5087
- Claessen R: *see* Carmelo J M P 5191
- Clark E B, Mead R N and Mountjoy G: A molecular dynamics model of the atomic structure of Tb metaphosphate glass $(\text{Tb}_2\text{O}_3)_{0.25}(\text{P}_2\text{O}_5)_{0.75}$ 6815
- Clark S J: *see* Timon V 3489
- Clausen-Schaumann H: *see* Albrecht C H S581
- Clement J H: *see* Schwalbe M S2865
- Cmaidalka J: *see* Zheng G-Q L63
- Coasne B: *see* Alba-Simionesco C R15
- Cocolezzi G H, Dobrzynski L, Djafari-Rouhani B, Al-Wahsh H and Bria D: Electromagnetic wave propagation in quasi-one-dimensional comb-like structures made up of dissipative negative-phase-velocity materials 3683
- Colineau E, Wastin F and Rebizant J: Magnetic anisotropy in NpRhGa_5 single crystals 411
- Coljee V W: *see* Lee C H S205
- Colombo G: *see* Monticelli L S329
- Colombo L: *see* Lulli G 2077
- Colson D: *see* Glazkov V N 2285
- Comelli G: *see* Africh C R387
- Comtet G and Dujardin G: Ion photostimulated desorption as a tool for investigating adsorption and electronic excitation of molecules on semiconductor surfaces S1461
- Comtet G, Dujardin G, Mayne A J and Riedel D: Principles of operating molecular nanomachines by electronic excitation S1927

- Cong G W, Peng W Q, Wei H Y, Liu X L, Wu J J, Han X X, Zhu Q S, Wang Z G, Ye Z Z, Lu J G, Zhu L P, Qian H J, Su R, Hong C H, Zhong J, Ibrahim K and Hu T D: Aluminium doping induced enhancement of p–d coupling in ZnO [3081](#)
- Coniglio A, de Arcangelis L, de Candia A, Del Gado E, Fierro A and Sator N: Clusters in attractive colloids [S2383](#)
- Conil N and Kavner A: Numerical study of pressure relationships between sample and calibrant inside the diamond anvil cell [S1039](#)
- Conroy R S: *see* Lee C H [S205](#)
- Continentino M A: Bose–Einstein condensation and entanglement in magnetic systems [8395](#)
- Contreras-Puente G: *see* Ruiz C M [7163](#)
- Contreras-Pulido L D and Rojas F: Dynamical entanglement formation and dissipation effects in two double quantum dots [9771](#)
- Coomer F C, Harrison A, Oakley G S, Kulda J, Stewart J R, Stride J A, Fåk B, Taylor J W and Visser D: Inelastic neutron scattering study of magnetic excitations in the kagome antiferromagnet potassium jarosite [8847](#)
- Coqblin B: *see* Magalhães S G [3479](#)
- Coquelle E: *see* Ilg P [S2757](#)
- Cordón J: *see* Mugarza A [S27](#)
- Cormier L: *see* Micoulaut M [R753](#)
- Cornicchi E: *see* Paciaroni A [S2029](#)
- Correia H M G: *see* Ramos M M D [S429](#)
- Corsaro C: *see* Mallamace F [S2285](#)
- Cortie M B: *see* Soulé de Bas B [55](#)
- Cortigiani B: *see* Caffio M [2379](#)
- Cossi M: *see* Cantele G [2349](#)
- Costa B F O, Dubiel S M and Cieślak J: Investigation of a Cr_{42.2}Fe_{57.8} alloy prepared by mechanical alloying [3263](#)
- Costa B F O: *see* Cieślak J [10899](#)
- Costantini J M: *see* Aubin-Chevaldonnet V [4007](#)
- Costantini J-M and Beuneu F: Thermal recovery of colour centres induced in cubic yttria-stabilized zirconia by charged particle irradiations [3671](#)
- Costantini J-M: *see* Sorieul S [5235](#)
- Costantini J-M: *see* Sorieul S [8493](#)
- Costina I: *see* Burzo E [4861](#)
- Cotterill R M J and Madsen J U: The glass state: characterizing energy landscape features [6507](#)
- Cottrell S P: *see* Cox S F J [1061](#)
- Cottrell S P: *see* Cox S F J [1079](#)
- Coulet M-V, Bellissent R and Bichara C: Closed-loop miscibility gap in sulfur–tellurium melts: structural evidence and thermodynamic modelling [11471](#)
- Cousson A: *see* Fillaux F [3229](#)
- Cowley R A and Mayers J: Anomalous neutron scattering from hydrogen [5291](#)
- Cox S F J, Gavartin J L, Lord J S, Cottrell S P, Gil J M, Alberto H V, Piroto Duarte J, Vilão R C, Ayres de Campos N, Keeble D J, Davis E A, Charlton M and van der Werf D P: Oxide muonics: II. Modelling the electrical activity of hydrogen in wide-gap and high-permittivity dielectrics [1079](#)
- Cox S F J, Lord J S, Cottrell S P, Gil J M, Alberto H V, Keren A, Prabhakaran D, Scheuermann R and Stoykov A: Oxide muonics: I. Modelling the electrical activity of hydrogen in semiconducting oxides [1061](#)
- Cox S F J: *see* Bermejo F J [2871](#)
- Craco L, Laad M S and Müller-Hartmann E: Metallizing the Mott insulator TiOCl by electron doping [10943](#)
- Craievich A F: *see* Fábregas I O [7863](#)
- Credi A: Artificial nanomachines based on interlocked molecules [S1779](#)
- Crécut O: *see* Cronenberger S [315](#)
- Cresser J D: *see* Barnett S M [S401](#)
- Cresti A, Grosso G and Parravicini G P: Electronic conductance of one-dimensional chains with phonon dephasing disorder [10059](#)
- Crichton W: *see* Skinner L B [L407](#)
- Crichton W A: *see* Grzechnik A [3017](#)
- Cristiglio V: *see* Pozdnyakova I [6469](#)
- Cronenberger S, Rahimpour Soleimani H, Ostatnický T, Crécut O, Gallart M, Gilliot P and Hönerlage B: Wavevector dependence of population and spin dynamics of exciton polaritons in bulk semiconductors [315](#)
- Crupi V, Longo F, Majolino D and Venuti V: Vibrational properties of water molecules adsorbed in different zeolitic frameworks [3563](#)
- Cui L: *see* Guo Z P [4381](#)
- Cui P: *see* Chen X M [7013](#)
- Cui T: *see* Zhang L J [9917](#)
- Cunsolo A: *see* Giugni A [889](#)
- Curnoe S H: *see* Munawar I [9575](#)
- Cury L A: *see* Patrício P S O [7529](#)
- Cusenza S: *see* Binczycka H [10561](#)
- Cywiński Ł: *see* Wang J [R501](#)
- Czapla Z: *see* Przesławski J [5517](#)
- Czechowski G: *see* Jadżyn J [1839](#)
- Czupiński O, Wojtaś M, Zaleski J, Jakubas R and Medycki W: Structure and properties of 2-cyanopyridinium perchlorate [2-CNPyH][ClO₄] [3307](#)
- D’Acapito F: *see* Smolentsev G [759](#)
- D’Agosta R and Di Ventra M: Hydrodynamic approach to transport and turbulence in nanoscale conductors [11059](#)
- D’Alessandria M: *see* Staia M H [S1727](#)
- D’Angelo G: *see* Carini G [10915](#)
- D’Auria S, de Champdoré M, Aurilia V, Parracino A, Staiano M, Vitale A, Rossi M,

- Rea I, Rotiroti L, Rossi A M, Borini S, Rendina I and De Stefano L: Nanostructured silicon-based biosensors for the selective identification of analytes of social interest [S2019](#)
- Da Como E: *see* Caria S [S2139](#)
- Da Providência J: *see* Rabhi A [10249](#)
- Da Ros V: *see* Puyet M [11301](#)
- Dąbrowska A, Lebed K, Lekka M, Lekki J and Kwiatek W M: A comparison between the unfolding of fibronectin and contactin [10157](#)
- Dabrowski B: *see* Han Z H [2273](#)
- Dacko S: *see* Stankiewicz A [3993](#)
- Dadge J W, Islam M, Dharmadhikari A K, Mahamuni S R and Aiyer R C: Hyper-Rayleigh scattering in electrochemically synthesized Ag–Au coupled clusters [5405](#)
- Dai B: *see* Wang L J [4515](#)
- Dai X D, Kong Y, Li J H and Liu B X: Extended Finnis–Sinclair potential for bcc and fcc metals and alloys [4527](#)
- Dai Y: *see* Han Y [4197](#)
- Daikhin L I: *see* Monroe C W [2837](#)
- Dajka J, Vourdas A, Zhang S and Zipper E: The influence of entangled photons on distant persistent currents [1367](#)
- Daldosso M: *see* Bettinelli M [S2149](#)
- Dallacasa V: *see* Bettinelli M [S2149](#)
- Dalmas de Réotier P: *see* Jiménez-Melero E [7893](#)
- Dalmas de Réotier P: *see* Wills A S [L37](#)
- Damjanović M: *see* Milošević I [1939](#)
- Damjanović M: *see* Milošević I [8139](#)
- Dana A: *see* Ağan S [5037](#)
- Dana A: *see* Ağan S [10705](#)
- Dang H L, Wang C Y and Yu T: Light impurity effects on the electronic structure in TiAl [8803](#)
- Daniel Ph: *see* Kania A [9625](#)
- Danilczuk M: *see* Sastry M D [4265](#)
- Danilowicz C: *see* Lee C H [S205](#)
- Danot M: *see* Ammar S [9055](#)
- Dantelle G, Mortier M, Goldner Ph and Vivien D: EPR and optical study of Yb³⁺-doped β -PbF₂ single crystals and nanocrystals of glass-ceramics [7905](#)
- Danzenbächer S: *see* Vyalikh D V [S131](#)
- Daoud-Aladine A, Roessli B, Gvasaliya S N, Perca C, Pinsard-Gaudart L, Rodríguez-Carvajal J and Revcolevschi A: Paramagnetic fluctuations in Pr_{0.65}Ca_{0.35}MnO₃ around the charge-ordering temperature [1509](#)
- Das A: *see* Rao A [2955](#)
- Das D: *see* Chakrabarti P K [5253](#)
- Das G P: *see* Srivastava S K [9463](#)
- Das G P: *see* Tandon N [9245](#)
- Das I: *see* Rawat R [1051](#)
- Das S and Dey T K: Magnetocaloric effect in potassium doped lanthanum manganite perovskites prepared by a pyrophoric method [7629](#)
- Das S: *see* Chakrabarti P K [5253](#)
- Dattagupta S: *see* Bandyopadhyay M [10029](#)
- Dauscher A: *see* Puyet M [11301](#)
- David M, Roman T, Agerico Diño W, Nakanishi H, Kasai H, Ando N and Naritomi M: Polybutylene terephthalate on metals: a density functional theory and cluster models investigation [1137](#)
- Davis E A: *see* Cox S F J [1079](#)
- Davydova N A: *see* Baran J [5695](#)
- Dawber M, Gruverman A and Scott J F: Skyrmion model of nano-domain nucleation in ferroelectrics and ferromagnets [L71](#)
- Dawid A: *see* Piątek A [8471](#)
- Dawid A: *see* Piątek A [11397](#)
- De K: *see* Thakur M [9093](#)
- de Arcangelis L: *see* Coniglio A [S2383](#)
- de Assis T A, Mota F de B, Miranda J G V, Andrade R F S, de O Dias Filho H and de Castilho C M C: Roughness of equipotential lines due to a self-affine boundary [3393](#)
- de Candia A: *see* Coniglio A [S2383](#)
- de Castilho C M C: *see* de Assis T A [3393](#)
- de Castilho M C: *see* Mota F B [7505](#)
- de Champdoré M: *see* D'Auria S [S2019](#)
- De Francesco A: *see* Paciaroni A [S2029](#)
- de Groot C H: *see* Chong L H [645](#)
- de Groot P A J: *see* Bowden G J [5861](#)
- de Groot P A J: *see* Martin K N [459](#)
- de la L Olvera M: *see* Castañeda L [5105](#)
- de la Mora P: *see* Ruiz-Chavarria S [1403](#)
- de la Presa P: *see* Forker M [253](#)
- de Lambert B: *see* Pallandre A [S665](#)
- de Lima J C: *see* Campos C E M [8613](#)
- de Lima Filho J L: *see* Bezerra E M [8325](#)
- De Long H C: *see* Henderson W A [10377](#)
- De Los Rios P: *see* Weber C [S161](#)
- De Luca G: *see* Silipigni L [5759](#)
- De Luca L T: *see* Galfetti L [S1991](#)
- de Medeiros F F, Albuquerque E L and Vasconcelos M S: Optical transmission spectra in quasiperiodic multilayered photonic structure [8737](#)
- de Miguel E: *see* Marguta R G [10335](#)
- de Moraes A R, Mosca D H, Mattoso N, Guimarães J L, Klein J J, Schreiner W H, de Souza P E N, de Oliveira A J A, de Vasconcelos M A Z, Demaille D, Eddrief M and Etgens V H: Iron clustering in GaSe epilayers grown on GaAs(111)B [1165](#)
- De Nadaï C: *see* Venturini F [9221](#)
- de O Dias Filho H: *see* de Assis T A [3393](#)
- de Oliveira A J A: *see* de Moraes A R [1165](#)

- de Oliveira A J A: *see* Varalda J 9105
de Oliveira F A C: *see* Patrício P S O 7529
de Oliveira N A: *see* Nóbrega E P 1275
de Oliveira V I, Freire F L Jr and Zanatta A R:
Optical properties of Er and Er+Yb doped
hydrogenated amorphous silicon films 7709
de Paiva R and Azevedo S: Cubic $(\text{BN})_x\text{C}_{2(1-x)}$
ordered alloys: a first-principles study of the
structural, electronic, and effective mass
properties 3509
de Paiva R, Nogueira R A and Alves J L A:
Theoretical study of dilute GaN–4d transition
metal alloys 8589
de Paiva R: *see* Azevedo S 10871
de Pedro I, Rojo J M, Pizarro J L,
Rodríguez Fernández J, Sánchez Marcos J,
Fernández-Díaz M T, Arriortua M I and
Rojo T: Magnetic structures of
 $(\text{Co}_{2-x}\text{Ni}_x)(\text{OH})\text{PO}_4$ ($x = 0.1, 0.3$) spin
glass-like state in antiferromagnetically
ordered phases 3767
De Sousa Meneses D, Brun J-F, Rousseau B and
Echegut P: Polar lattice dynamics of the
 MgAl_2O_4 spinel up to the liquid state 5669
de Souza N R, Kolesnikov A I, Burnham C J and
Loong C-K: Structure and dynamics of water
confined in single-wall carbon
nanotubes S2321
de Souza P E N: *see* de Moraes A R 1165
De Stefano L: *see* D'Auria S S2019
de Vasconcellos M A Z: *see* de Moraes A R 1165
De Virgiliis A: *see* Albano E V 2761
Debnath A: *see* Sebastian K L S283
DeCamp M F: *see* Lings B 9231
Dedkov Yu S: *see* Vyalikh D V S131
Degiorgi L: *see* Caimi G 4065
Déjardin J-L: *see* Jadzyn J 1839
del Cerro J: *see* Romero F J 10075
Del Duce A, Savory S and Bayvel P:
Implementation of a three-qubit refined
Deutsch–Jozsa algorithm using SFG quantum
logic gates S795
Del Gado E: *see* Coniglio A S2383
Delaplane R G: *see* Kaban I 2749
Delhalle J: *see* Harris F E 5493
Delin A: *see* Kanchana V 9615
Delisle A, González D J and Stott M J:
Pressure-induced structural and dynamical
changes in liquid Si—an *ab initio* study 3591
Delogu F: Homogeneous melting of metals with
different crystalline structure 5639
Delogu F: Early stages of disordering processes at
the impact between rough surfaces: a
molecular dynamics study 8723
Demaille D: *see* de Moraes A R 1165
Demaille D: *see* Varalda J 9105
Demangeat C: *see* Uzdin V M 2717
Demazeau G: *see* Presniakov I A 8943
Demouchy G: *see* Mériguet G S2685
Demsar J, Sarrao J L and Taylor A J: Dynamics of
photoexcited quasiparticles in heavy electron
compounds R281
den Hartog H W: *see* Turkin A A 5655
Deng D: *see* Li S 3527
Deng K: *see* Wu H 7115
Deng S: *see* Zhang Y 5121
Deng X: *see* Chi Z 4371
Deniszczuk J: *see* Ślebarski A 10319
Deppe M: *see* Pikul A P L535
Deriu A: *see* Calandrini V S2363
Derr J, Knebel G, Lapertot G, Salce B,
Méasson M-A and Flouquet J: Valence and
magnetic ordering in intermediate valence
compounds: TmSe versus Smb₆ 2089
Deschamps N C: *see* Dunlap R A 4907
Desgroux P: *see* Focsa C S1357
Desjarlais M P: *see* Kietzmann A 5597
Desjonquères M-C: *see* Autès G 6785
Despoja V, Marušić L and Šunjić M: Quantum
mechanical response of coupled metallic
slabs 8217
Despoja V: *see* Marušić L 4253
Destombes J L: *see* Focsa C S1357
Deutsch C: Charge state suppression in the impact
of swift carbon clusters with amorphous
targets V15
Devan R S, Kolekar Y D and Chougule B K:
Effect of cobalt substitution on the properties
of nickel–copper ferrite 9809
Devillanova F A: *see* Cassano T 5279
Deviren B: *see* Canko O 6635
Dey T K: *see* Battabyal M 493
Dey T K: *see* Das S 7629
Dhamodaran S, Sathish N, Pathak A P, Khan S A,
Avasthi D K, Srinivasan T, Muralidharan R,
Kesavamoorthy R and Emfietzoglou D:
Raman and AFM studies of swift heavy ion
irradiated InGaAs/GaAs
heterostructures 4135
Dharmadhikari A K: *see* Dadge J W 5405
Di Capua R, Perroni C A, Cataudella V,
Miletto Granozio F, Perna P, Salluzzo M,
Scotti di Uccio U and Vaglio R: Direct
observation of spectroscopic inhomogeneities
on La_{0.7}Sr_{0.3}MnO₃ thin films by scanning
tunnelling spectroscopy 8195
Di Marco G: *see* Carini G 3251
Di Marco G: *see* Carini G 10915
Di Matteo S: *see* Sébilleau D R175
Di Stefano O: *see* Martino G 2367
Di Ventra M: *see* D'Agosta R 11059
Diaf M: *see* Boulma E 6721
Díaz F: *see* Bravo D 6655
Díaz-Hernández J: *see* Ruiz-Larrea I 1649
Díaz Ochoa J G, Binder K and Paul W: Molecular
dynamics simulations of the embedding of a

- nano-particle into a polymer film 2777
- Díaz-Reyes J, Mendoza-Álvarez J G and Gómez-Herrera M L: Concentration-dependent photoluminescence of Te-doped $\text{In}_{0.14}\text{Ga}_{0.86}\text{As}_{0.13}\text{Sb}_{0.87}$ 10861
- Diebold U: *see* Batzill M L129
- Dietler G: *see* Weber C S161
- Dietmar E: *see* Hilger I S2951
- Dietz N: *see* Strassburg M 2615
- Dijkstra M, Zwanikken J and van Roij R: Sedimentation of binary mixtures of like- and oppositely charged colloids: the primitive model or effective pair potentials? 825
- Dijkstra M: *see* Fortini A L371
- Dimitropoulos C: *see* Pattabiraman M 11081
- Dimova R, Aranda S, Bezlyepkina N, Nikolov V, Riske K A and Lipowsky R: A practical guide to giant vesicles. Probing the membrane nanoregime via optical microscopy S1151
- Dinelli F: *see* Capelli R S2127
- Ding D: *see* Xia L 3543
- Ding G-H: *see* Zu F-Q 2817
- Ding J W: *see* Liu C P 4077
- Ding S-J: *see* Lu H-L 5937
- Ding W: *see* Calabri L S2175
- Dinjus E: *see* Behrens S S2543
- Dinnebier R E: *see* Hinrichsen B S1021
- Dispenza C: *see* Spadaro C S2007
- Djafari-Rouhani B: *see* Coccoletzi G H 3683
- Djafari-Rouhani B: *see* Dobrzyński L 9047
- Djéga-Mariadassou C: *see* Bessais L 3845
- Dobrinisky A: *see* Gavriljuk V G 7613
- Dobrzyński L, Al-Wahsh H, Djafari-Rouhani B, Hernández-Coccoletzi G and Akjouj A: Resonator induced plasmon filter: theoretical study 9047
- Dobrzyński L, Al-Wahsh H, Akjouj A and Hernández-Coccoletzi G: A nanometric acoustic cross-talk device 3151
- Dobrzyński L: *see* Coccoletzi G H 3683
- Doerr J: *see* Larson C 11323
- Doğan A: *see* Rayaprol S 5473
- Dogel S: *see* Bartel K 3535
- Dohčević-Mitrović Z D, Grujić-Brojčin M, Šćepanović M, Popović Z V, Bošković S, Matović B, Zinkevich M and Aldinger F: $\text{Ce}_{1-x}\text{Y}(\text{Nd})_x\text{O}_{2-\delta}$ nanopowders: potential materials for intermediate temperature solid oxide fuel cells S2061
- Doi Y, Nakamori W and Hinatsu Y: Crystal structures and magnetic properties of magnetically frustrated systems BaLn_2O_4 and $\text{Ba}_3\text{Ln}_4\text{O}_9$ (Ln = lanthanide) 333
- Doll K: *see* Neef M 7437
- Domingos H S: Stability and properties of the cluster assembled solid phases of X_8C_{12} and YX_7C_{12} 3905
- Dong B: *see* Morgenstern Horing N J 2573
- Dong C: *see* Jia L 9999
- Dong J: *see* Hu F 9585
- Dong J: *see* Zhang Y 2149
- Dong S, Yao X Y, Wang K F and Liu J-M: Phase equilibrium in manganites under a magnetic field studied using a two-orbital model L171
- Dong S: *see* Liu J-M 8973
- Dong Y D: *see* Xia L 3543
- Dongol M, Gerber Th, Hafiz M, Abou-Zied M and Elhady A F: On the structure of As_2Te_3 glass 6213
- Dootz R, Otten A, Köster S, Struth B and Pfohl T: Evolution of DNA compaction in microchannels S639
- Dore J C: *see* Liu E 10009
- Dorenbos P: *see* Birowosuto M D 6133
- Dorenbos P: *see* Sidorenko A V 4503
- Dorenbos P: *see* Zeng Q 9549
- Dorolti E: *see* Bessais L 3845
- Dörr K: *see* Ghosh N 557
- Dosseh G: *see* Alba-Simionesco C R15
- Doualan J L: *see* Boulma E 6721
- Dove M T: *see* Todorov I T 2217
- Dowben P A: *see* Xiao J L155
- Drabold D A: *see* Abtew T A L1
- Draganski M: *see* Greentree A D S825
- Draxler M: *see* Noakes T C Q 5017
- Droba A: *see* Szymonski M S1547
- Drozd M: *see* Baran J 5695
- Drozd M: *see* Gągor A 4489
- Druzhkov A P, Perminov D A and Arbutov V L: Effects of intermetallic nanoparticles on the evolution of vacancy defects in electron-irradiated Fe–Ni–Al material 365
- Drzewiński A, Maciołek A and Szota K: On the surface critical behaviour in Ising strips: density-matrix renormalization-group study 5069
- Duan C: *see* Li W 6065
- Duan J: Atomistic simulations of diffusion mechanisms in stoichiometric Ni_3Al 1381
- Dubiel S M: *see* Cieślak J 10899
- Dubiel S M: *see* Costa B F O 3263
- Dubois C: *see* Koumetz S L283
- Dubois E: *see* Mériguet G 10119
- Dubois E: *see* Mériguet G S2685
- Dubrovinskaia N: *see* Shiryaev A A L493
- Ducharme S: *see* Bai M 7383
- Ducharme S: *see* Xiao J L155
- Dudarev S L: Angular-dependent matrix potentials for fast molecular-dynamics simulations of transition metals S447
- Dudziak G: *see* Alba-Simionesco C R15
- Dufour C: *see* Soriano S 4127
- Dufour C: *see* Soriano S 4995
- Dujardin C: *see* Gryk W 117
- Dujardin G: *see* Comtet G S1461
- Dujardin G: *see* Comtet G S1927

- Dumas Ph: *see* Bellini B [S1817](#)
Dumesnil K: *see* Soriano S [4127](#)
Dumesnil K: *see* Soriano S [4995](#)
Dunlap D D: *see* Zurla C [S225](#)
Dunlap R A, Deschamps N C, Mar R E and Farrell S P: Mössbauer effect studies of Fe_{100-x}Ga_x films prepared by combinatorial methods [4907](#)
Dupont A: *see* Busoni L [S1957](#)
Dupuis N: *see* Koller W [9525](#)
Dupuis V: *see* Mériguet G [10119](#)
Dupuis V: *see* Mériguet G [S2685](#)
Duque C A, Porras-Montenegro N, Barticevic Z, Pacheco M and Oliveira L E: Effects of applied magnetic fields and hydrostatic pressure on the optical transitions in self-assembled InAs/GaAs quantum dots [1877](#)
Durán A: *see* Mata J [10509](#)
Durán J D G: *see* López-López M T [S2803](#)
Durandurdu M: Transition pathway in GaAs under uniaxial stress: an *ab initio* study [4887](#)
Durandurdu M: *see* Martínez I [9483](#)
Durgun E: *see* Akman N [9509](#)
Durmuş S: *see* Saatçi B [10643](#)
Durygin A: *see* Zhydachevskii Ya [11385](#)
Dutta T: *see* Thota S [2473](#)
Dutz S: *see* Glöckl G [S2935](#)
Dutz S: *see* Hergt R [S2919](#)
Dutz S: *see* Müller R [S2527](#)
Dyakonov V P: *see* Zubov E E [6699](#)
- Eberbeck D, Wiekhorst F, Steinhoff U and Trahms L: Aggregation behaviour of magnetic nanoparticle suspensions investigated by magnetorelaxometry [S2829](#)
Ebert Ph: *see* Horn K [435](#)
Ebisu H: *see* Arakawa M [3053](#)
Ebisu H: *see* Arakawa M [7427](#)
Echegut P: *see* De Sousa Meneses D [5669](#)
Echenique P M: *see* Sklyadneva I Yu [7923](#)
Eddrief M: *see* de Moraes A R [1165](#)
Eddrief M: *see* Varalda J [9105](#)
Eder R: *see* Wróbel P [1249](#)
Eder R: *see* Wróbel P [9749](#)
Edwards D M and Katsnelson M I: High-temperature ferromagnetism of sp electrons in narrow impurity bands: application to CaB₆ [7209](#)
Egelhaaf S U: *see* Gordon V D [L415](#)
Eglitis R I: *see* Shi H [8367](#)
Egry I: *see* Pozdnyakova I [6469](#)
Ehlers G: Study of slow dynamic processes in magnetic systems by neutron spin-echo spectroscopy [R231](#)
Ehrenberg I: *see* Xu L [S2239](#)
Eichler A: *see* Gajdoš M [13](#)
Eichler A: *see* Gajdoš M [41](#)
- Eiser E: *see* Wu Y L [4461](#)
El Azrak A, Zazoui M, Zorkani I, Hamedoun M and Bontemps N: Spectral weight and thermodynamic properties of YBa₂Cu₃O_{6+x} thin films [8161](#)
El-Brollosy T A, Abdalla S, Negm S and Talaat H: Interfacial electronic traps at ZnSe/GaAs heterostructures studied by photomodulation Raman scattering [4189](#)
El Hadj L: *see* Minisini B [2429](#)
El-Hagary M, Michor H, Özcan S, Giovannini M, Matar A, Heiba Z, Kersch P, Schönhart M, Bauer E, Grössinger R, Hilscher G, Freudenberger J and Rosner H: Phase formation and ferrimagnetism of GdCo₉Si₄ [4567](#)
El-Menyawy E M: *see* El-Nahass M M [5163](#)
El-Nahass M M, Zeyada H M, El-Samanoudy M M and El-Menyawy E M: Electrical conduction mechanisms and dielectric properties of thermally evaporated *N*-(*p*-dimethylaminobenzylidene)-*p*-nitroaniline thin films [5163](#)
El-Nahass M M: *see* Hutchins M G [9987](#)
El-Samanoudy M M: *see* El-Nahass M M [5163](#)
Elhady A F: *see* Dongol M [6213](#)
Elizabeth S: *see* Ghosh N [557](#)
Elliott S D: *see* Pinto H P [10427](#)
Embs J P: *see* Leschhorn A [S2633](#)
Emerich H: *see* Friese K [2677](#)
Emfietzoglou D: *see* Dhamodaran S [4135](#)
Emmerich H and Siquieri R: Investigating heterogeneous nucleation in peritectic materials via the phase-field method [11121](#)
Endo S: *see* Mita Y [5185](#)
Enting I G: *see* Oitmaa J [10931](#)
Erdem E, Semmelhack H-C, Böttcher R, Rumpf H, Banys J, Matthes A, Gläsel H-J, Hirsch D and Hartmann E: Study of the tetragonal-to-cubic phase transition in PbTiO₃ nanopowders [3861](#)
Erdemir A: *see* Eryilmaz O L [S1751](#)
Eremeev S V: *see* Sklyadneva I Yu [7923](#)
Erhart P, Juslin N, Goy O, Nordlund K, Müller R and Albe K: Analytic bond-order potential for atomistic simulations of zinc oxide [6585](#)
Ericsson T: *see* Kamali-M S [7373](#)
Eriksson O: *see* Bergqvist L [4853](#)
Eriksson O: *see* Lebègue S [6329](#)
Ernst A: *see* Henk J [2601](#)
Erol M: *see* Akbulut S [8403](#)
Eryiğit R: *see* Gürel T [1413](#)
Eryilmaz O L, Johnson J A, Ajayi O O and Erdemir A: Deposition, characterization, and tribological applications of near-frictionless carbon films on glass and ceramic substrates [S1751](#)
Escamilla R: *see* Mata J [10509](#)

- Escote M T, Barbeta V B, Jardim R F and Campo J: Metal–insulator transition in $\text{Nd}_{1-x}\text{Eu}_x\text{NiO}_3$ compounds 6117
- Esen R: *see* E Şenadim 6391
- Eshraghi M, Salamati H and Kameli P: Structural, magnetic and transport properties of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3/x\text{NiO}$ composites 8281
- Esnouf S: *see* Aubin-Chevaldonnet V 4007
- Esparza-Ponce H E: *see* Reyes-Rojas A 4685
- Espinosa A: *see* Munoz R C 3401
- Etchegoin P G and Le Ru E C: Multipolar emission in the vicinity of metallic nanostructures 1175
- Etgens V H: *see* de Moraes A R 1165
- Etgens V H: *see* Varalda J 9105
- Etz C: *see* Stoeffler D 11291
- Everaers R: *see* Cherstvy A G 11429
- Eyert V: *see* Leonov I 10955
- Fa W: *see* Hu F 9585
- Fábián A, Terrier C, Serrano Guisan S, Guittienne P, Gravier L and Ansermet J-P: Current-induced magnetization switching in pseudo spin-valves 1569
- Fábregas I O, Fuentes R O, Lamas D G, Fernández de Rapp M E, Walsøe de Reca N E, Fantini M C A, Craievich A F, Junqueira Prado R, Millen R P and Temperini M L A: Local structure of the metal–oxygen bond in compositionally homogeneous, nanocrystalline zirconia–ceria solid solutions synthesized by a gel-combustion process 7863
- Fadley C S: *see* Yang S-H L259
- Faetti M: *see* Andreozzi L 931
- Faetti M: *see* Andreozzi L 6481
- Fahy S: *see* Lings B 9231
- Faik H: *see* Meltchakov E 3355
- Fåk B: *see* Coomer F C 8847
- Falcomer D: *see* Bettinelli M S2149
- Falcón H, Alonso J A, Sánchez-Benítez J and Martínez-Lope M J: Crystal structure, magnetic and electrical properties of $\text{CaCu}_3\text{Mn}_{4-x}\text{Ti}_x\text{O}_{12}$ ($0.3 \leq x \leq 3.0$) perovskites 6841
- Falk M: *see* Kh Olimov 5135
- Fan C: *see* He Y 8707
- Fan H: Liquid droplet spreading with line tension effect 4481
- Fan J F: *see* Zhang N 10965
- Fan J Y: *see* Zhang W J 9937
- Fan T Y: *see* Li L H 10631
- Fan W-B, Ling L, Qi L-J, Li W-Q, Sun H-T, Gu C-X, Zhao Y-Y and Lu M: The effect of redeposition on the ion flux dependence of Si dot pattern formation during ion sputter erosion 3367
- Fan X: *see* Qiao X 6937
- Fanfoni M, Tomellini M, Marchetti B and Gonnella F: Mean field approach for describing thin film morphology: 2. Adatom life time 8093
- Fanfoni M: *see* Tomellini M 4219
- Fang X: *see* Bi C Z 2553
- Fang Z: *see* Liang Y 8749
- Fangohr H: *see* Bowden G J 5861
- Fangohr H: *see* Martin K N 459
- Fantini M C A: *see* Fábregas I O 7863
- Farago B: *see* Mériquet G S2685
- Faraone A: *see* Liu L S2261
- Faraone A: *see* Mallamace F S2285
- Faraone A: *see* Zambrano E S2451
- Farias G A: *see* Ferreira W P 9385
- Farle M: *see* Kebe Th 8791
- Farrell S P: *see* Dunlap R A 4907
- Faucher M D and Tanner P A: Energy levels and hypersensitivity of samarium(III) in the elpasolite $\text{Cs}_2\text{NaSmCl}_6$ 8503
- Faure-Vincent J: *see* Tiusan C 941
- Fawcett R H J: *see* Humphry M J S1837
- Fecher G H: *see* Wurmehl S 6171
- Fedichkin L: *see* Fedorov A 3217
- Fedorenko O: *see* Goulkov M 3037
- Fedorov A and Fedichkin L: Collective decoherence of nuclear spin clusters 3217
- Fedotov V K, Antonov V E, Bashkin I O, Hansen T and Natkaniec I: Displacive ordering in the hydrogen sublattice of yttrium trihydride 1593
- Fehske H: *see* Loos J 2453
- Fehske H: *see* Loos J 7299
- Fei G T: *see* Chen X M 7013
- Feldbach E: *see* Nakonechnyi S 379
- Feller S: *see* Larson C 11323
- Felser C: *see* Wurmehl S 6171
- Felton S: *see* Kamali-M S 7373
- Feng C: *see* Ren Z L379
- Feng D-Q: *see* Xiao J L155
- Feng J-W: *see* Zhao J-L 1495
- Feng S: *see* Yang S-J 11255
- Feng S-S and Mochena M: Ground-state properties and the molecular theory of the Curie temperature in the coherent potential approximation of diluted magnetic semiconductors 1441
- Feng X: *see* Li W 6065
- Feng Y P: *see* Pan H 5175
- Feng Y P: *see* Pang X-F 9007
- Feng Y P: *see* Wu R Q 569
- Feng Y P: *see* Zilani M A K 6987
- Ferguson I T: *see* Strassburg M 2615
- Ferhat M: *see* Touat D 3647
- Fernández de Rapp M E: *see* Fábregas I O 7863
- Fernández-Díaz M T: *see* de Pedro I 3767
- Fernández-Seivane L, Oliveira M A, Sanvito S and Ferrer J: On-site approximation for spin–orbit

- coupling in linear combination of atomic orbitals density functional methods 7999
- Ferrante J: *see* Zypman F R 6095
- Ferreira V M: *see* Salak A N 5703
- Ferreira W P, Munarin F F, Farias G A and Peeters F M: Melting of a two-dimensional binary cluster of charged particles confined in a parabolic trap 9385
- Ferrer J: *see* Fernández-Seivane L 7999
- Ferry D K: *see* Shailos A 1715
- Ferry D K: *see* Tsen K T 7961
- Ferry D K: *see* Tsen K T L585
- Feulner P: *see* Shaporenko A S1677
- Fierro A: *see* Coniglio A S2383
- Fiévet F: *see* Ammar S 9055
- Filip P: *see* Aouadi S M 1977
- Filipek S M: *see* Paul-Boncour V 6409
- Filipic C: *see* Scott J F L205
- Filippov V B: *see* Jäger B 2525
- Fillaux F, Cousson A and Gutmann M J: Macroscopic quantum entanglement and 'super-rigidity' of protons in the KHCO_3 crystal from 30 to 300 K 3229
- Fillion G: *see* Kazei Z A 10445
- Findenegg G H: *see* Liu E 10009
- Findlay H E and Booth P J: The biological significance of lipid-protein interactions S1281
- Finkelstein L D: *see* Chang G S 4243
- Finkelstein L D: *see* Wilks R G 10405
- Finken R and Seifert U: Wrinkling of microcapsules in shear flow L185
- Finzi L: *see* Zurla C S225
- Fischer B: *see* Wagner J S2697
- Fischer D A: *see* Lewis L H 1677
- Fischer P, Pomjakushin V, Sheptyakov D, Keller L, Janoschek M, Roessli B, Schefer J, Petrakovskii G, Bezmaternikh L, Temerov V and Velikanov D: Simultaneous antiferromagnetic Fe^{3+} and Nd^{3+} ordering in $\text{NdFe}_3(\text{BO}_3)_4$ 7975
- Fita I: *see* Markovich V 9201
- Fledderjohann A, Langari A and Mütter K-H: Formation of clusters in the 2D t - J model: the mechanism for phase separation 4935
- Fleischer K: *see* Chandola S 6979
- Fleury V: *see* Wu Z 5425
- Flores M Z S: *see* Bezerra E M 8325
- Flores M: *see* Ramos-Lara F 7951
- Flouquet J: *see* Derr J 2089
- Flynn C P: Why is diffusion in metals and on metal surfaces universal? S439
- Focsa C, Miheșan C, Ziskind M, Chazallon B, Therssen E, Desgroux P and Destombes J L: Wavelength-selective vibrationally excited photodesorption with tunable IR sources S1357
- Fodor P S and Levy J: Group IV solid state proposals for quantum computation S745
- Fogg J M, Kolmakova N, Rees I, Magonov S, Hansma H, Perona J J and Zechiedrich E L: Exploring writhe in supercoiled minicircle DNA S145
- Fogler M M and Pivovarov E: Spin exchange in quantum rings and wires in the Wigner-crystal limit L7
- Fondado A: *see* Castro-Couceiro A 3803
- Fontana M D: *see* Zhang Y 957
- Fontcuberta J: *see* Rubi D 7991
- Ford M J: *see* Soulé de Bas B 55
- Foreman B A: First-principles effective-mass Hamiltonian for semiconductor nanostructures in a magnetic field 1335
- Forget A: *see* Glazkov V N 2285
- Forker M, de la Presa P and Pasquevich A F: The 3d magnetization at first-order transitions of the rare earth Laves phases $\text{R}_{1-x}\text{Y}_x\text{Co}_2$ studied by measurements of magnetic hyperfine fields 253
- Forrester J S, Kisi E H, Knight K S and Howard C J: Rhombohedral to cubic phase transition in the relax ferroelectric PZN L233
- Forró L: *see* Caimi G 4065
- Först M: *see* Nagel M S601
- Fortini A and Dijkstra M: Phase behaviour of hard spheres confined between parallel hard plates: manipulation of colloidal crystal structures by confinement L371
- Foulias S D: *see* Vlachos D 6997
- Foulkes W M C: *see* Wood B 2305
- Fournier P: *see* Charpentier S 7193
- Foussats A, Greco A, Bejas M and Muramatsu A: Electron-phonon interaction dressed by electronic correlations near charge ordering. Possible implications for cobaltates 11411
- Franco O, Orgzall I, Regenstein W and Schulz B: Structural and spectroscopical study of a 2,5-diphenyl-1,3,4-oxadiazole polymorph under compression 1459
- Franco O: *see* Orgzall I 5269
- Francucci M: *see* Martellucci S S2039
- Frandsen C and Mørup S: Reversible aggregation and magnetic coupling of α - Fe_2O_3 nanoparticles 7079
- Fransson J: *see* Zhu J-X 9929
- Franz H: *see* Saksl K 7579
- Franzini A: *see* Zurla C S225
- Fraser H L: *see* Bose S 4553
- Fratini E, Ridi F, Chen S-H and Baglioni P: Hydration water and microstructure in calcium silicate and aluminate hydrates S2467
- Fratoddi I: *see* Smolentsev G 759
- Freire F L Jr: *see* de Oliveira V I 7709
- Freire V N: *see* Bezerra E M 8325

- Frenkel D: *see* Lukatsky D B [S567](#)
Frésard R: *see* Raczkowski M [7449](#)
Freudenberger J: *see* El-Hagary M [4567](#)
Freyland W: *see* Bartel K [3535](#)
Freyman C A, Zhao B, Chen Y and Chung Y-W:
Water adsorption and desorption on ultra-low
friction sulfur-doped hydrogenated carbon
films [S1721](#)
Friedland K-J, Bowen M, Herfort J,
Schönherr H P and Ploog K H: Intrinsic
contributions to the planar Hall effect in Fe
and Fe₃Si films on GaAs substrates [2641](#)
Friedland K-J: *see* Muduli P K [9453](#)
Friedman B A: *see* Izmaylov A F [8995](#)
Friese K, Krüger H, Kahlenberg V, Balić-Zunić T,
Emerich H, Gesland J-Y and Grzechnik A:
Study of the temperature dependence of the
structure of KY₃F₁₀ [2677](#)
Friese K: *see* Grzechnik A [2915](#)
Friese K: *see* Grzechnik A [3017](#)
Friese K: *see* Grzechnik A [8925](#)
Fripiat J G: *see* Harris F E [5493](#)
Fritz G and Glatter O: Structure and interaction in
dense colloidal systems: evaluation of
scattering data by the generalized indirect
Fourier transformation method [S2403](#)
Frost D J: *see* Guillaume C [8651](#)
Fruchart D: *see* Stopa T [6379](#)
Frumar M: *see* Siokou A [5525](#)
Frusawa H: *see* Fujima T [3089](#)
Fu Y, Han T-T, Luo Y and Ågren H: Dynamic
analysis of multiple-photon optical processes
in semiconductor quantum dots [9071](#)
Fu Y: *see* Zeng Q [9549](#)
Fuentes R O: *see* Fábregas I O [7863](#)
Fuhr G R: *see* Thielecke H [S627](#)
Fujara F: *see* Kruk D [1725](#)
Fujii H: Structure and superconductivity of the
ternary intermetallics of La₃Ni₄Si₄,
La₃Ni₄Ge₄, and La₃Pd₄Si₄ [8037](#)
Fujii K: *see* Ohmasa Y [8449](#)
Fujii M: *see* Zhang Q G [7937](#)
Fujima T, Frusawa H, Minamikawa H, Ito K and
Shimizu T: Elastic precursor of the
transformation from glycolipid nanotube to
vesicle [3089](#)
Fujimoto G: *see* Goto T [3141](#)
Fujita K: *see* Yasuda N [7659](#)
Fujiwara T: *see* Hoshi T [10787](#)
Fukuda T: *see* Nikl M [3069](#)
Furdyna J K: *see* Liu X [R245](#)
Futschek T, Hafner J and Marsman M: Stable
structural and magnetic isomers of small
transition-metal clusters from the Ni group:
an *ab initio* density-functional study [9703](#)
Fütterer C: *see* Pallandre A [S665](#)
Gacoin T, Besson S and Boilot J P: Organized
mesoporous silica films as templates for the
elaboration of organized nanoparticle
networks [S85](#)
Gağor A, Pietraszko A, Drozd M, Połomskal M,
Pawłaczyk Cz and Kaynts D: Structural phase
transitions and conduction properties of
superionic, ferroelastic Cu₆PS₅Br_{1-x}I_x single
crystals ($x = 1, 0.75, 0.5, 0.25$) [4489](#)
Gahtori B: *see* Rao A [2955](#)
Gajdoš M, Hafner J and Eichler A: *Ab initio*
density-functional study of NO on
close-packed transition and noble metal
surfaces: I. Molecular adsorption [13](#)
Gajdoš M, Hafner J and Eichler A: *Ab initio*
density-functional study of NO adsorption on
close-packed transition and noble metal
surfaces: II. Dissociative adsorption [41](#)
Galambosi S: *see* Soinen J A [7327](#)
Galanakis I: *see* K Özdoğan [2905](#)
Galanciak D: *see* Zhydachevskii Ya [11385](#)
Galatanu A: *see* Sereni J G [3789](#)
Galazka M, Szklarz P, Bator G and Zielinski P:
Singularities and scaling invariants of
susceptibility in biasing field near critical
point: application to uniaxial
ferroelectrics [7145](#)
Galazka Z: *see* Stefaniuk I [4751](#)
Galfetti L, De Luca L T, Severini F, Meda L,
Marra G, Marchetti M, Regi M and
Bellucci S: Nanoparticles for solid rocket
propulsion [S1991](#)
Galinetto P: *see* Sangaletti L [7643](#)
Galkin N G: *see* Bagraev N T [L567](#)
Gallagher H G: *see* Yamaga M [6033](#)
Gallardo M C: *see* Romero F J [10075](#)
Gallart M: *see* Cronenberger S [315](#)
Galli F: *see* Bondino F [5773](#)
Galli G: *see* Zurla C [S225](#)
Galpin M R, Logan D E and Krishnamurthy H R:
Renormalization group study of capacitively
coupled double quantum dots [6545](#)
Galpin M R, Logan D E and Krishnamurthy H R:
Dynamics of capacitively coupled double
quantum dots [6571](#)
Gamernyk R V, Gnatenko Yu P, Bukivskij P M,
Skubenko P A and Slivka V Yu: Optical and
photoelectric spectroscopy of photorefractive
Sn₂P₂S₆ crystals [5323](#)
Gamernyk R V: *see* Gnatenko Yu P [9603](#)
Gandy A P: *see* Brown P J [2249](#)
Gandy A P: *see* Brown P J [2925](#)
Ganesan V: *see* Lal R [2563](#)
Ganguli D: *see* Sinha G [11167](#)
Gan'shina E A: *see* Melnikov O V [3753](#)
Gao G, Van Workum K, Schall J D and
Harrison J A: Elastic constants of diamond
from molecular dynamics simulations [S1737](#)
Gao G: *see* Li S [3527](#)

- Gao H: *see* Li S 3527
- Gao P, Zhang J and Ma G: Direct image-based fractal characterization of morphologies and structures of wax crystals in waxy crude oils 11487
- Gao S W: *see* Kiejna A 4207
- Garapon C: *see* Pillonnet A 10043
- García J: *see* Blasco J 2261
- García J P: *see* Munoz R C 3401
- García K E: *see* Barrero C A 6827
- García L F: *see* Mikhailov I D 9493
- García-Fernández P: *see* Moreno M R315
- García-Lastra J M, Wesolowski T, Barriuso M T, Aramburu J A and Moreno M: Optical and vibrational properties of MnF_6^{4-} complexes in cubic fluoroperovskites: insight through embedding calculations using Kohn–Sham equations with constrained electron density 1519
- García-Lastra J M: *see* Moreno M R315
- García-Revilla S and Valiente R: f–d transitions and self-trapped excitons in CsCdBr_3 : Eu^{2+} 11139
- Garg A B, Verma A K, Vijayakumar V, Rao R S and Godwal B K: Electronic topological and structural transitions in AuGa_2 under pressure 8523
- Garg N: *see* Panchal V 3917
- Garg N: *see* Panchal V 8241
- Gasany N M and Goksen K: Visible photoluminescence from chain $\text{Tl}_4\text{In}_3\text{GaSe}_8$ semiconductor 6057
- Gasany N M: *see* Qasrawi A F 4609
- Gasche T: *see* Cardoso C 8817
- Gasser S M: *see* Gehlen L R S245
- Gasser S M: *see* Rosa A S235
- Gaub H E: *see* Albrecht C H S581
- Gaudet M: *see* Arscott S S677
- Gaudio P: *see* Martellucci S S2039
- Gaur A and Varma G D: Sintering temperature effect on electrical transport and magnetoresistance of nanophasic $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ 8837
- Gavartin J L: *see* Cox S F J 1079
- Gavriljuk V G, Dobrinsky A, Shanina B D and Kolesnik S P: A study of the magnetic resonance in a single-crystal $\text{Ni}_{50.47}\text{Mn}_{28.17}\text{Ga}_{21.36}$ alloy 7613
- Gavrilov S V: *see* Plakhty V P 3517
- Gawalek W: *see* Müller R S2527
- Gburski Z: *see* Piątek A 8471
- Gburski Z: *see* Piątek A 11397
- Geandier G: *see* Pozdnyakova I 6469
- Geckle U: *see* Schmidt H 5363
- Gegenwart P: *see* Pikul A P L535
- Gehlen L R, Rosa A, Klenin K, Langowski J, Gasser S M and Bystricky K: Spatially confined polymer chains: implications of chromatin fibre flexibility and peripheral anchoring on telomere–telomere interaction S245
- Gehlhoff W: *see* Bagraev N T L567
- Geibel C: *see* Kini N S 1303
- Geibel C: *see* Kini N S 8205
- Geibel C: *see* Pikul A P L535
- Gelard I: *see* Bordet P 5147
- Gelardi F M: *see* Buscarino G 5213
- Gelbrich T: *see* Kaiser A S2563
- Gelfusa M: *see* Martellucci S S2039
- Gelius U: *see* Yablonskikh M V 1757
- Genç A: *see* Bose S 4553
- Genchev Z D: van der Waals interactions between bodies having inhomogeneous dielectric permittivities 8913
- Geng H, Yin S, Yang X, Shuai Z and Liu B: Geometric and electronic structures of the boron-doped photocatalyst TiO_2 87
- Geng K W: *see* Wei X X 7471
- George A K, Arafin S, Singh R N and Carboni C: A correlation between surface, transport and thermo-elastic properties of liquid hydrocarbon: an experimental investigation 3691
- Gerber Th: *see* Dongol M 6213
- Gerbi J E: *see* Birrell J S1771
- Gesland J-Y: *see* Friese K 2677
- Gesland J-Y: *see* Grzechnik A 2915
- Gesland J-Y: *see* Silva E N 2511
- Gheorghe C: *see* Lupei A 597
- Gheorghe L: *see* Lupei A 597
- Ghosh A: *see* Samuel J S253
- Ghosh N, Rößler S, Rößler U K, Nenkov K, Elizabeth S, Bhat H L, Dörr K and Müller K-H: Heisenberg-like critical properties in ferromagnetic $\text{Nd}_{1-x}\text{Pb}_x\text{MnO}_3$ single crystals 557
- Ghosh S: *see* Sarkar N 1687
- Gibbs M R J: *see* Morley N A 8781
- Gibson B C: *see* Greentree A D S825
- Gil J M: *see* Cox S F J 1061
- Gil J M: *see* Cox S F J 1079
- Giles N C: *see* Xu C 2741
- Gill-Comeau M: *see* Charpentier S 7193
- Gillan M J: *see* Alfè D L435
- Gillan M J: *see* Alfè D L451
- Gillie L: *see* Zheng H 7051
- Gillingham D M, Müller C, Hong J, Wu R Q and Bland J A C: Evidence of spin-dependent quantum transport effects in CuO nanowires 9135
- Gilliot P: *see* Cronenberger S 315
- Giordano L: *see* Venables J A S411
- Giordano M: *see* Andreozzi L 931
- Giordano M: *see* Andreozzi L 6481
- Giordano S and Rocchia W: Predicting the dielectric nonlinearity of anisotropic

- composite materials via tensorial analysis 10585
- Giovambattista N: *see* Loerting T R919
- Giovannini M: *see* El-Hagary M 4567
- Girard Y: *see* Repain V S17
- Giraud-Guille M M: *see* Belamie E S115
- Giri S: *see* Thakur M 9093
- Girlanda R: *see* Martino G 2367
- Giugni A and Cunsolo A: Structural relaxation in the dynamics of glycerol: a joint visible, UV and x-ray inelastic scattering study 889
- Gläsel H-J: *see* Erdem E 3861
- Glasser M L: *see* Morgenstern Horing N J 2573
- Glatter O: *see* Fritz G S2403
- Glazkov V N, Marin C and Sanchez J-P:
Observation of a transverse magnetization in the ordered phases of the pyrochlore magnet $Gd_2Ti_2O_7$ L429
- Glazkov V N, Smirnov A I, Sanchez J P, Forget A, Colson D and Bonville P: Electron spin resonance study of the single-ion anisotropy in the pyrochlore antiferromagnet $Gd_2Sn_2O_7$ 2285
- Glöckl G, Hergt R, Zeisberger M, Dutz S, Nagel S and Weitschies W: The effect of field parameters, nanoparticle properties and immobilization on the specific heating power in magnetic particle hyperthermia S2935
- Glöckl G: *see* Aurich K S2847
- Gnatenko Yu P, Piryatinski Yu P, Bukivskij P M, Kolendryckij D D, Shigiltchoff O A and Gamernyk R V: Time-resolved photoelectric spectroscopy of photorefractive CdTe:V crystals 9603
- Gnatenko Yu P: *see* Gamernyk R V 5323
- Gnutek P: *see* Rudowicz C 5221
- Gobeaux F: *see* Belamie E S115
- Godfrey M D, Husmann A, Beere H E, Ritchie D A, Holmes S N and Pepper M: Gating schemes for controlling the electron wavefunction between GaAs and $In_{0.05}Ga_{0.95}As$ quasi-one-dimensional channels L123
- Godinho M: *see* Cardoso C 8817
- Godwal B K: *see* Garg A B 8523
- Gofryk K and Kaczorowski D: On the magnetic and electrical behaviour of UPdSb 3887
- Goker A: *see* Izmaylov A F 8995
- Goksen K: *see* Gasanly N M 6057
- Golam Faruk M: *see* Ciftja O 2623
- Goldner Ph: *see* Dantelle G 7905
- Goliney I: *see* Cai J 9151
- Gollwitzer C, Rehberg I and Richter R: Via hexagons to squares in ferrofluids: experiments on hysteretic surface transformations under variation of the normal magnetic field S2643
- Gomez L: *see* Wang Y 9257
- Gómez-Herrera M L: *see* Díaz-Reyes J 10861
- Gong C-D: *see* Liu Y-J 1805
- Gong C-D: *see* Pan L-H 9669
- Gong C D: *see* Zhao Y 6193
- Gong Q: *see* Wang L J 4515
- Gong S and Yao D: Optical nutation induced by transition between levels inside and outside the well in a core-shell CdSe/ZnS quantum dot 10989
- Gong Y-J: *see* Huang S-P 5535
- Gonnella F: *see* Fanfoni M 8093
- González D J: *see* Delisle A 3591
- González D J: *see* González L E 11021
- González J: *see* Lassagne B 4581
- González J: *see* Perfetto E S2105
- González L E and González D J: *Ab initio* study of the atomic motion in liquid metal surfaces: comparison with Lennard-Jones systems 11021
- González M A: *see* Gutierrez J 9951
- Gonzalez M A: *see* Bermejo F J 2871
- Gonzalez M A: *see* Skripov A V 7249
- González-Caballero F: *see* López-López M T S2803
- Goodnick S M: *see* Shailos A 1715
- Goodrich T L: *see* Yoon S D L355
- Goosens A: *see* Jiménez-Melero E 7893
- Goovaerts E: *see* Nistor S V 719
- Gopalakrishnan V, Schweizer K S and Zukoski C F: Linking single particle rearrangements to delayed collapse times in transient depletion gels 11531
- Gopalan V: *see* Bandyopadhyay A K 4093
- Goraus J: *see* Ślebarski A 10319
- Gorbenko O Yu: *see* Melnikov O V 3753
- Gordon V D, Beales P A, Zhao Z, Blake C, MacKintosh F C, Olmsted P D, Cates M E, Egelhaaf S U and Poon W C K: Lipid organization and the morphology of solid-like domains in phase-separating binary lipid membranes L415
- Gorev M, Bondarev V, Sciau P and Savariault J-M: Heat capacity study of relaxors $BaTi_{0.65}Zr_{0.35}O_3$ and $BaTi_{0.60}Zr_{0.40}O_3$ 4407
- Gorn N L: *see* Berkov D V S2595
- Gorodetsky G: *see* Markovich V 9201
- Gorschinski A: *see* Behrens S S2543
- Goryl M: *see* Szymonski M S1547
- Goslar J: *see* Lijewski S 6159
- Gosmain L: *see* Sorieul S 5235
- Gosmain L: *see* Sorieul S 8493
- Gospodinov M: *see* Marinova V L385
- Goswami K: *see* Chakrabarti P K 5253
- Göthelid M: *see* Palmgren P 10707
- Goto T, Fujimoto G and Yao T: Ultraviolet anti-Stokes photoluminescence in GaN single crystals 3141

- Gottardi G: *see* Laidani N [5945](#)
- Gouklov M, Fedorenko O, Woike Th, Granzow T, Imlau M and Wöhlecke M: Intensity dependent properties of photo-induced light scattering in ferroelectric $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_{6:\text{Ce}}$ [3037](#)
- Gourier D: *see* Aubin-Chevaldonnet V [4007](#)
- Govindaraj R and Sundar C S: Competing magnetic phases in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ as deduced from Mn site hyperfine parameters [7651](#)
- Govorun E N: *see* Ushakova A S [915](#)
- Goy O: *see* Erhart P [6585](#)
- Goyal P S: *see* Aswal V K [11399](#)
- Gózdź W T: *see* Ciach A [1629](#)
- Graf P A: *see* Pagès O [577](#)
- Grafoute M: *see* Ślawska-Waniewska A [2235](#)
- Grambole D: *see* Shiryaev A A [L493](#)
- Grandi T A: *see* Campos C E M [8613](#)
- Grandjean F: *see* Long G J [10765](#)
- Grandjean F: *see* Piquer C [205](#)
- Grandjean F: *see* Piquer C [221](#)
- Granzow T: *see* Gouklov M [3037](#)
- Grasso V: *see* Silipigni L [5759](#)
- Grave Ch: *see* Bellini B [S1817](#)
- Graves S M: *see* Mason T G [R635](#)
- Gravier L: *see* Fábíán A [1569](#)
- Greathouse D V: *see* Ashrafuzzaman Md [S1235](#)
- Grech E: *see* Leniec G [9871](#)
- Greco A: *see* Foussats A [11411](#)
- Greentree A D, Olivero P, Draganski M, Trajkov E, Rabeau J R, Reichart P, Gibson B C, Rubanov S, Huntington S T, Jamieson D N and Prawer S: Critical components for diamond-based quantum coherent devices [S825](#)
- Grenèche J-M: *see* Ammar S [9055](#)
- Greneche J M: *see* Azzaza S [7257](#)
- Greneche J M: *see* Barrero C A [6827](#)
- Greneche J M: *see* Ślawska-Waniewska A [2235](#)
- Grenier B: *see* Plakhty V P [3517](#)
- Gribanov A, Tursina A, Murashova E, Seropegin Y, Bauer E, Kaldarar H, Lackner R, Michor H, Royanian E, Reissner M and Rogl P: New orthorhombic modification of equiatomic CePdAl [9593](#)
- Grill L and Moresco F: Contacting single molecules to metallic electrodes by scanning tunnelling microscope manipulation: model systems for molecular electronics [S1887](#)
- Grinberg M: *see* Gryk W [117](#)
- Grinberg M: *see* Turos-Matysiak R [10531](#)
- Grinberg M: *see* Wells J-P R [3967](#)
- Grob J-J: *see* Sorieul S [5235](#)
- Grob J-J: *see* Sorieul S [8493](#)
- Grössinger R: *see* El-Hagary M [4567](#)
- Grosso G: *see* Cresti A [10059](#)
- Grosso G: *see* Virgilio M [1021](#)
- Grujić-Brojčin M: *see* Dohčević-Mitrović Z D [S2061](#)
- Gruner S, Akinlade O and Hoyer W: Determination of partial structure factors by reverse Monte Carlo modelling—a test of the method [4773](#)
- Gruverman A: *see* Dawber M [L71](#)
- Gryk W, Dujardin C, Joubert M-F, Ryba-Romanowski W, Malinowski M and Grinberg M: Pressure effect on luminescence dynamics in Pr^{3+} -doped LiNbO_3 and LiTaO_3 crystals [117](#)
- Gryk W: *see* Turos-Matysiak R [10531](#)
- Grzechnik A, Balic-Zunic T, Makovicky E, Gesland J-Y and Friese K: The compressibility mechanism of $\text{Li}_3\text{Na}_3\text{In}_2\text{F}_{12}$ garnet [2915](#)
- Grzechnik A, Crichton W A, Marshall W G and Friese K: High-pressure x-ray and neutron powder diffraction study of PbWO_4 and BaWO_4 scheelites [3017](#)
- Grzechnik A, Krüger H, Kahlenberg V and Friese K: Thermal expansion of $\text{Li}_3\text{Na}_3\text{In}_2\text{F}_{12}$ garnet [8925](#)
- Grzechnik A: *see* Friese K [2677](#)
- Grzechnik A: *see* Hinrichsen B [S1021](#)
- Gschneidner Jr K A: *see* Manekar M [6017](#)
- Gschneidner Jr K A: *see* Ritter C [3937](#)
- Gu C-X: *see* Fan W-B [3367](#)
- Gu H: *see* Zheng R K [5905](#)
- Gu M: *see* Li W [6065](#)
- Gu Y: *see* Wang L J [4515](#)
- Gubbens P C M: *see* Jiménez-Melero E [7893](#)
- Gubbins K E: *see* Alba-Simionesco C [R15](#)
- Güdde J and Höfer U: Dynamics of femtosecond-laser-induced lateral motion of an adsorbate: O on vicinal Pt(111) [S1409](#)
- Güdel H U: *see* Birowosuto M D [6133](#)
- Guglielmino S: *see* Carnazza S [S2221](#)
- Guilbert L: *see* Zhang Y [957](#)
- Guillaume C, Morniroli J P, Frost D J and Serghiou G: Synthesis of hexagonal Ni_3N using high pressures and temperatures [8651](#)
- Guillot M: *see* Paul-Boncour V [6409](#)
- Guillot M: *see* Yang J [9287](#)
- Guimarães J L: *see* de Moraes A R [1165](#)
- Guittienne P: *see* Fábíán A [1569](#)
- Guldbakke J M and Hesselbach J: Development of bearings and a damper based on magnetically controllable fluids [S2959](#)
- Gumann P: *see* Kruk D [1725](#)
- Gündüz M: *see* Saatçi B [10643](#)
- Gunlycke D, Jefferson J H, Bailey S W D, Lambert C J, Pettifor D G and Briggs G A D: Zener quantum dot spin filter in a carbon nanotube [S843](#)
- Gunlycke D, Jefferson J H, Rejec T, Ramšak A, Pettifor D G and Briggs G A D: Entanglement

- between static and flying qubits in a semiconducting carbon nanotube **S851**
- Gunlycke D: *see* Benjamin S C **S867**
- Gunnella R: *see* Sébilleau D **R175**
- Guo B: *see* Harvey A **2181**
- Guo H-C: *see* Qin Y-Q **1613**
- Guo J, Si J, Qian G, Zu J, Qiu J, Wang M and Hirao K: Thickness dependence of the photoinduced birefringence in azodye-doped inorganic-organic hybrid materials by a femtosecond laser **5739**
- Guo J H: *see* Pao C W **265**
- Guo Q: *see* Chen Y **2587**
- Guo Q Z: *see* Hu J Z **S1091**
- Guo S M: *see* Guo Z P **4381**
- Guo X J: *see* Lee W N **L15**
- Guo Z P, Zhao Y G, Zhang W Y, Cui L, Guo S M and Luo L B: Effect of Ga and Mn doping on structural, electrical transport and magnetic properties of $\text{Na}_{0.75}\text{CoO}_2$ **4381**
- Gupta A: *see* RaghavendraReddy V **6401**
- Gupta S, Sil S and Bhattacharyya B: Effect of Fibonacci modulation on superconductivity **1987**
- Gupte V: *see* Kumar S **3343**
- Gürel T and Eryiğit R: *Ab initio* volume-dependent elastic and lattice dynamical properties of chalcopyrite CuAlSe_2 **1413**
- Gurevich V L and Muradov M I: Spatial distribution of Joule heat in nanostructures **11217**
- Gusso M: Theoretical study of near edge electron energy loss spectroscopy of metal nanoclusters **1211**
- Gustafsson H: *see* Sastry M D **4265**
- Gutierrez J, Bermejo F J, Veglio N, Barandiarán J M, Romano P, Mondelli C, González M A and Murani A P: Structural correlations in $\text{La}_{0.7}\text{Pb}_{0.3}(\text{Mn}_{1-x}\text{Fe}_x)\text{O}_3$ manganites as probed by small-angle and polarized neutron diffraction **9951**
- Gutmann M J: *see* Fillaux F **3229**
- Gutowska M: *see* Toliński T **3435**
- Güttler B: *see* Marinova V **L385**
- Guyot Y: *see* Andrade L H C **7883**
- Gvasaliya S N: *see* Daoud-Aladine A **1509**
- Gygax F N: *see* Schenck A **1955**
- Habicht W: *see* Behrens S **S2543**
- Hadjarab B, Bouguelia A, Kadi-Hanifi M and Trari M: The physical properties of oxygen-deficient perovskite $\text{SrPbO}_{3-\delta}$ **8551**
- Hadjaryrou M: *see* Chu B **S2513**
- Haen P: *see* Viennois R **5371**
- Häfeli U O: *see* Hayden M E **S2877**
- Hafiz M: *see* Dongol M **6213**
- Hafner J: *see* Futschek T **9703**
- Hafner J: *see* Gajdoš M **13**
- Hafner J: *see* Gajdoš M **41**
- Hafner J: *see* Petersen M **7021**
- Hafner J: *see* Termentzidis K **10825**
- Haga Y: *see* Hiess A **R437**
- Haga Y: *see* Honda F **479**
- Hägström L: *see* Kamali-M S **5807**
- Hägström L: *see* Kamali-M S **7373**
- Hahn D: *see* Müller O **S2623**
- Haines J: *see* Angot E **4315**
- Hajnal J V: *see* Wiltshire M C K **L315**
- Hakioğlu T: *see* Savran K **345**
- Halperin A, Buhot A and Zhulina E B: On the hybridization isotherms of DNA microarrays: the Langmuir model and its extensions **S463**
- Halperin A: *see* Mouritsen O G **S1293**
- Ham M-H, Yoon S, Park Y, Bian L, Ramsteiner M and Myoung J-M: Electrical spin injection from room-temperature ferromagnetic (Ga, Mn)N in nitride-based spin-polarized light-emitting diodes **7703**
- Hämäläinen K: *see* Soinen J A **7327**
- Hamedoun M: *see* El Azrak A **8161**
- Han D-Z: *see* Chen H-Y **4543**
- Han K-L: *see* Zhang W-B **9691**
- Han R: *see* He Y **8707**
- Han S W, Kang J-S, Lee S S, Kim G, Kim S J, Kim C S, Kim J-Y, Shin H J, Kim K H, Jeong J I, Park B-G, Park J-H and Min B I: Photoemission, soft x-ray absorption, and magnetic circular dichroism spectroscopy study of $\text{Fe}_{1-x}\text{Cu}_x\text{Cr}_2\text{S}_4$ ($0.1 \leq x \leq 0.5$) spinel sulfides **7413**
- Han T P J: *see* Wells J-P R **3967**
- Han T P J: *see* Yamaga M **6033**
- Han T-T: *see* Fu Y **9071**
- Han X X: *see* Cong G W **3081**
- Han Y, Dai Y, Shu D, Wang J and Sun B: First-principles study of $\text{TiB}_2(0001)$ surfaces **4197**
- Han Z H, Mohottala H E, Budnick J I, Hines W A, Klamut P W, Dabrowski B and Maxwell M: Complex low-temperature magnetic behaviour of the ordered double-perovskite $\text{Sr}_2\text{RuGdO}_6$ **2273**
- Hanfland M: *see* Hinrichsen B **S1021**
- Hang Z: *see* Li S **3527**
- Hänggi P: *see* Machura L **4111**
- Hanna C B, Pink D A and Quinn B E: Van der Waals interactions with soft interfaces **8129**
- Hannon A C: *see* Hoppe U **1847**
- Hansen M F: *see* Bahl C R H **4161**
- Hansen P L: *see* Mouritsen O G **S1293**
- Hansen T: *see* Fedotov V K **1593**
- Hansen T: *see* Liu E **10009**
- Hansen-Goos H and Roth R: Density functional theory for hard-sphere mixtures: the White Bear version mark II **8413**

- Hansma H: *see* Fogg J M [S145](#)
Hanuza J: *see* Mączka M [2137](#)
Hao X F: *see* Lü M F [1601](#)
Hao X-P: *see* Wu Z [5425](#)
Harada A: *see* Yamaguchi H [S1809](#)
Harano Y and Kinoshita M: On the physics of pressure denaturation of proteins [L107](#)
Harat A: *see* Kazei Z A [10445](#)
Harding J H: *see* Pyper N C [683](#)
Harding J H: *see* Venables J A [S411](#)
Haridim M: *see* Lembrikov B I [3817](#)
Harker A H: *see* Kerridge A [S767](#)
Haro-Pérez C, Quesada-Pérez M, Callejas-Fernández J, Schurtenberger P and Hidalgo-Álvarez R: Renormalization in charged colloids: non-monotonic behaviour with the surface charge [L363](#)
Harris F E, Fripiat J G and Delhalle J: Numerical integration of exchange energy in the two-dimensional Brillouin zone [5493](#)
Harris J S Jr: *see* Ney A [4397](#)
Harris V G: *see* Yoon S D [L355](#)
Harrison A: *see* Coomer F C [8847](#)
Harrison J A: *see* Gao G [S1737](#)
Harrison P: *see* Vukmirović N [6249](#)
Hartmann E: *see* Erdem E [3861](#)
Hartmann Th: *see* Krug von Nidda H-A [6071](#)
Hartwig U, Peithmann K, Woike Th and Buse K: Determination of the absorption cross section of dopants in lithium niobate crystals [L447](#)
Harvey A, Guo B, Kennedy I, Risbud S and Leppert V: A systematic study of the oxygen K edge in the cubic and less common monoclinic phases of the rare earth oxides (Ho, Er, Tm, Yb) by electron energy loss spectroscopy [2181](#)
Hase M: *see* Misochko O V [10571](#)
Hasegawa J: *see* Onoda M [2109](#)
Hashemi J: *see* Ma Y [S1075](#)
Hashimoto M, Herfort J, Schönherr H-P and Ploog K H: Magnetic properties of epitaxial Heusler alloy $(\text{Co}_{2/3}\text{Fe}_{1/3})_{3+x}\text{Si}_{1-x}/\text{GaAs}(001)$ hybrid structures [6101](#)
Hashimoto T: *see* Kawakatsu T [S2499](#)
Hashimoto Y: *see* Wang J [R501](#)
Hatton P D: *see* Wilkins S B [L323](#)
Haussühl E: *see* Wiehl L [11067](#)
Hawreliak J: *see* Rosolankova K [6749](#)
Hayashi E: *see* Yamaga M [6033](#)
Hayashi K and Sasa S: The law of action and reaction for the effective force in a non-equilibrium colloidal system [2825](#)
Hayashi T: *see* Mitani H [S057](#)
Hayden M E and Häfeli U O: 'Magnetic bandages' for targeted delivery of therapeutic agents [S2877](#)
He B: *see* Wei X X [7471](#)
He G L, Zhao Z G, Liu S, Yang Y H, Liu M and Xing D Y: Voltage noise of current-driven vortices in disordered Josephson junction arrays [7841](#)
He J: *see* Wu Q [9519](#)
He W: *see* Wang D-Y [6357](#)
He X-M and Wang Q-H: Microscopic mean field theory of competing orders and inter-layer tunnelling in high- T_c superconductors [2635](#)
He Y, Hou D, Liu X, Fan C and Han R: AC conductance of finite-length carbon nanotubes [8707](#)
He Y: *see* Wang H [10817](#)
He Z: *see* Zhang L J [9917](#)
Head D A: Volume-controlled buckling of thin elastic shells: application to crusts formed on evaporating partially wetted droplets [L485](#)
Hébert S: *see* Maignan A [4305](#)
Hébert S: *see* Markovich V [9201](#)
Heerklotz H: *see* Tsamaloukas A [S1125](#)
Hegde G: *see* Nair G G [9415](#)
Hehn M: *see* Malinowski G [3385](#)
Hehn M: *see* Tiusan C [941](#)
Heiba Z: *see* El-Hagary M [4567](#)
Heifets E, Kotomin E and Trepakov V A: Calculations for antiferrodistortive phase of SrTiO_3 perovskite: hybrid density functional study [4845](#)
Heim T, Klein Wolterink J, Carlon E and Barkema G T: Effective affinities in microarray data [S525](#)
Heimbrodt W: *see* Krug von Nidda H-A [6071](#)
Heinemann A: *see* Wiedenmann A [S2713](#)
Heinrichs J: Transmission, reflection and localization in a random medium with absorption or gain [4781](#)
Heiras J: *see* Mata J [10509](#)
Heitjans P: *see* Wilkening M [9849](#)
Hejtmánek J: *see* Knížek K [3285](#)
Hejtmanek J: *see* Puyet M [11301](#)
Hemberger J: *see* Nath R [4285](#)
Hemley R J: *see* Mao H-K [S963](#)
Hempelmann R: *see* Skripov A V [7249](#)
Hempelmann R: *see* Wagner J [S2697](#)
Henderson G S: *see* Micoulaut M [R753](#)
Henderson J R: An elegant advance in the physics of wetting [V11](#)
Henderson W A, Young V G Jr, Pearson W, Passerini S, De Long H C and Trulove P C: Thermal phase behaviour of *N*-alkyl-*N*-methylpyrrolidinium and piperidinium bis(trifluoromethanesulfonyl)imide salts [10377](#)
Henk J, Ernst A, Saha K K and Bruno P: Computing conductances of tunnel junctions by the Korringa–Kohn–Rostoker method: formulation and test of a Green function approach [2601](#)

- Henke B, Rogulis U and Schweizer S: Optically detected magnetic resonance investigation of a luminescent oxygen–vacancy complex in Mn-doped LiBaF₃ 1577
- Hennet L: *see* Pozdnyakova I 6469
- Henríquez R: *see* Munoz R C 3401
- Hensel F: *see* Kietzmann A 5597
- Herfort J: *see* Friedland K-J 2641
- Herfort J: *see* Hashimoto M 6101
- Herfort J: *see* Muduli P K 9453
- Hergt R, Dutz S, Müller R and Zeisberger M: Magnetic particle hyperthermia: nanoparticle magnetism and materials development for cancer therapy S2919
- Hergt R: *see* Glöckl G S2935
- Hergt R: *see* Müller R S2527
- Hermann R P: *see* Long G J 10765
- Hermanowicz K: Optical properties of chromium (III) in M^IIn(WO₄)₂ hosts, where M^I = Li, Na, K, Rb 10601
- Hermanowicz K: *see* Mączka M 2137
- Hernández E R: *see* Bedoya-Martínez O N 8049
- Hernández-Cocolezzi G: *see* Dobrzynski L 3151
- Hernández-Cocolezzi G: *see* Dobrzyński L 9047
- Herrero C P: Solid helium at high pressure: a path-integral Monte Carlo simulation 3469
- Hervieu M: *see* Motohashi T 2157
- Herzig P: *see* Jäger B 2525
- Hess S: *see* Ilg P S2757
- Hesse J: *see* Michele O 4921
- Hesselbach J: *see* Guldbakke J M S2959
- Hewson A C: Spin and charge dynamics in a renormalized perturbation theory 1815
- Heyer O, Hollmann N, Klassen I, Jodlauk S, Bohatý L, Becker P, Mydosh J A, Lorenz T and Khomskii D: A new multiferroic material: MnWO₄ L471
- Heyes D M, Cass M, Brańka A C and Okumura H: First derivative of the hard-sphere radial distribution function at contact 7553
- Hickey B J: *see* Marrows C H 243
- Hickey B J: *see* Michez L A 4641
- Hickey M C, Husmann A, Holmes S N and Jones G A C: Fermi surfaces and electronic structure of the Heusler alloy Co₂TiSn 2897
- Hidalgo-Álvarez R: *see* Haro-Pérez C L363
- Hiess A, Bernhoeft N, Metoki N, Lander G H, Roessli B, Sato N K, Aso N, Haga Y, Koike Y, Komatsubara T and Onuki Y: Magnetization dynamics in the normal and superconducting phases of UPd₂Al₃: I. Surveys in reciprocal space using neutron inelastic scattering R437
- Hiess A: *see* Bernhoeft N 5961
- Hilfiker J N: *see* Aouadi S M 1977
- Hilfiker J N: *see* Aouadi S M S1691
- Hilger I, Dietmar E, Linß W, Streck S and Kaiser W A: Developments for the minimally invasive treatment of tumours by targeted magnetic heating S2951
- Hilger I: *see* Brunke O S2903
- Hilpert A: *see* Jurgons R S2893
- Hilscher G: *see* El-Hagary M 4567
- Himmerlich M: *see* Cherkashinin G 9841
- Hinatsu Y: *see* Doi Y 333
- Hinatsu Y: *see* Sakamoto T 4417
- Hinatsu Y: *see* Sasaki A 9031
- Hinderliter A and May S: Cooperative adsorption of proteins onto lipid membranes S1257
- Hines W A: *see* Han Z H 2273
- Hinrichsen B, Dinnebier R E, Rajiv P, Hanfland M, Grzechnik A and Jansen M: Advances in data reduction of high-pressure x-ray powder diffraction data from two-dimensional detectors: a case study of schafarzikite (FeSb₂O₄) S1021
- Hirai T: *see* Ichimiya M 1967
- Hirao K: *see* Guo J 5739
- Hiraoka N: *see* Okada J T 7203
- Hirata K: *see* Zhao S R 8533
- Hirayama F: *see* Arakawa M 7427
- Hirayama T and Arakawa I: Exciton induced photodesorption in rare gas solids S1563
- Hirayama Y, Miranowicz A, Ota T, Yusa G, Muraki K, Ozdemir S K and Imoto N: Nanometre-scale nuclear-spin device for quantum information processing S885
- Hiroi M: *see* Matsuda K 1837
- Hiroi Z: *see* Sato H L297
- Hirsch D: *see* Erdem E 3861
- Hjörvarsson B: *see* Remhof A L441
- Hlil E K: *see* Stopa T 6379
- Hoang T X, Trovato A, Seno F, Banavar J R and Maritan A: Marginal compactness of protein native structures S297
- Hoang V V: Static and dynamic properties of simulated liquid and amorphous GeO₂ 777
- Höfer U: *see* Güdde J S1409
- Höffken K: *see* Schwalbe M S2865
- Hoffman A and Laikhtman A: Photon stimulated desorption of hydrogen from diamond surfaces via core-level excitations: fundamental processes and applications to surface studies S1517
- Hoffmann N, Likos C N and Löwen H: Microphase structuring in two-dimensional magnetic colloid mixtures 10193
- Hoffmann S K: *see* Lijewski S 6159
- Hofmann M: *see* Wang J L 189
- Hohenadler M: *see* Loos J 2453
- Hohenadler M: *see* Loos J 7299
- Holland D: *see* Larson C 11323
- Hollmann N: *see* Heyer O L471
- Holm C, Ivanov A, Kantorovich S, Pyanzina E and Reznikov E: Equilibrium properties of a bidisperse ferrofluid with chain aggregates: theory and computer simulations S2737

- Holmes S N: *see* Godfrey M D [L123](#)
Holmes S N: *see* Hickey M C [2897](#)
Holzapfel V, Lorenz M, Weiss C K,
Schrezenmeier H, Landfester K and
Mailänder V: Synthesis and biomedical
applications of functionalized fluorescent and
magnetic dual reporter nanoparticles as
obtained in the miniemulsion process [S2581](#)
Honda F, Metoki N, Matsuda T D, Haga Y and
Y Ōnuki: Long-period, longitudinal spin
density modulation in an itinerant 5f magnetic
compound UCu_2Si_2 [479](#)
Hönerlage B: *see* Cronenberger S [315](#)
Hong C H: *see* Cong G W [3081](#)
Hong J: *see* Gillingham D M [9135](#)
Hong J W, Chen Y, Anderson W F and
Quake S R: Molecular biology on a
microfluidic chip [S691](#)
Hong K S: *see* Oh C [3335](#)
Hong N H, Sakai J, Huang N T, Ruyter A and
Brizé V: Magnetism in transition-metal-doped
 In_2O_3 thin films [6897](#)
Hopkins M D: *see* Hu J [10837](#)
Hoppe U, Brow R K, Tischendorf B C, Jóvári P
and Hannon A C: Structure of $\text{GeO}_2\text{-P}_2\text{O}_5$
glasses studied by x-ray and neutron
diffraction [1847](#)
Hori H: *see* Sonoda S [4615](#)
Horii T: *see* Ichimiya M [1967](#)
Hormes J: *see* Behrens S [S2543](#)
Hormes J: *see* Olimov Kh [5135](#)
Horn K, Theis W, Paggel J J, Barman S R,
Rotenberg E, Ebert Ph and Urban K: Core and
valence level photoemission and
photoabsorption study of icosahedral
 Al-Pd-Mn quasicrystals [435](#)
Hoshi T and Fujiwara T: Large-scale electronic
structure theory for simulating nanostructure
processes [10787](#)
Hou D: *see* He Y [8707](#)
Hou M: *see* Zhong J [2789](#)
Houska J, Warschkow O, Bilek M M M,
McKenzie D R, Vlcek J and Potocky S: The
effect of argon on the structure of amorphous
 SiBCN materials: an experimental and *ab*
initio study [2337](#)
Howard C J: *see* Carpenter M A [10725](#)
Howard C J: *see* Forrester J S [L233](#)
Hoyer W: *see* Gruner S [4773](#)
Hoyer W: *see* Kaban I [2749](#)
Hsiao B S: *see* Chu B [S2513](#)
Hsiao B S: *see* Yang L [S2421](#)
Hsu C-J: *see* Tsai J-L [7729](#)
Hsu H P, Sitarek P, Huang Y S, Liu P W, Lin J M,
Lin H H and Tiong K K: Modulation
spectroscopy study of the effects of growth
interruptions on the interfaces of
 GaAsSb/GaAs multiple quantum wells [5927](#)
Hu C, Zheng W, Tian H, Xu L and Jiang Q:
Effects of the chemical bonding on the optical
and mechanical properties for germanium
carbide films used as antireflection and
protection coating of ZnS windows [4231](#)
Hu F, Fa W and Dong J: Electronic and transport
properties of different boron-doped
(12,0)/(6,6) carbon nanotube junctions [9585](#)
Hu F: *see* Zhang Y [2149](#)
Hu F X: *see* Jia L [9999](#)
Hu J, Cai W, Zeng H, Li C and Sun F: Substrate
dependent surface plasmon resonance
evolution of Ag nanoparticles treated in
atmospheres [5415](#)
Hu J, Sun J, Hopkins M D and Rosenbaum T F:
Molecular building blocks for magnetic spin
chains [10837](#)
Hu J-M: *see* Xie Z [7171](#)
Hu J Z, Mao H K, Shu J F, Guo Q Z and Liu H Z:
Diamond anvil cell radial x-ray diffraction
program at the National Synchrotron Light
Source [S1091](#)
Hu Q: *see* Wu Q [9519](#)
Hu T D: *see* Cong G W [3081](#)
Hu T D: *see* Wang H [10817](#)
Hu Y-L: *see* Zhang W-B [9691](#)
Huang G S: *see* Zhang W J [9937](#)
Huang J H, Lee W N, Kuo X J and Su Y O:
Strain-enhanced arsenic precipitation in
 GaAs -based quantum-well structures grown
by low-temperature molecular beam
epitaxy [3897](#)
Huang J H: *see* Lee W N [L15](#)
Huang J Y and Shih W-T: Probing field-induced
submolecular motions in a ferroelectric liquid
crystal mixture with time-resolved
two-dimensional infrared spectroscopy [7593](#)
Huang Q: *see* Ishiwata S [3745](#)
Huang R Z, Stepanyuk V S and Kirschner J:
Interaction of scanning tunneling microscopy
tip with mesoscopic islands at the
atomic-scale [L217](#)
Huang S, Ruan K, Lv Z, Wu H, Pang Z, Cao L
and Li X: Evidence for spin-glass states and
Griffiths singularities in $\text{Nd}_{0.75}\text{Sr}_{1.25}\text{CoO}_4$
[7135](#)
Huang S-P, Wu D-S, Shen J, Cheng W-D,
Lan Y-Z, Li F-F, Zhang H and Gong Y-J: *Ab*
initio characterization of the electronic and
optical properties of a new IR nonlinear
optical crystal: $\text{K}_3\text{V}_5\text{O}_{14}$ [5535](#)
Huang S-P: *see* Xie Z [7171](#)
Huang X J: *see* Zhu X Y [7045](#)
Huang Y, Bai X and Zhang Y: *In situ* mechanical
properties of individual ZnO nanowires and
the mass measurement of nanoparticles [L179](#)
Huang Y-S: *see* Korotcov A [1121](#)
Huang Y C: *see* Lu C L [5849](#)

- Huang Y S: *see* Hsu H P 5927
- Huc V: Transition metal catalysts for molecular motors: towards molecular lithography 51909
- Hugel J: *see* Berghout A 10365
- Hummel A B, Bauer T, Mohler E and Roskos H G: The coherent Hall effect of charge carriers in a superlattice: semiclassical description of the wavepacket dynamics 2487
- Humphry M J, Beton P H, Keeling D L, Fawcett R H J, Moriarty P, Butcher M J, Birkett P R, Walton D R M, Taylor R and Kroto H W: Lateral translation of covalently bound fullerenes 51837
- Hung P K, Vinh L T, Nghiep D M and Nguyen P N: Computer simulation of liquid Al_2O_3 9309
- Hung V V, Masuda-Jindo K and Minh Hanh P T: Application of the statistical moment method to thermodynamic quantities of silicon 283
- Huntington S T: *see* Greentree A D 5825
- Huntley D J: An explanation of the power-law decay of luminescence 1359
- Huo D: *see* Avila M A 1585
- Huong N T: *see* Hong N H 6897
- Husmann A: *see* Godfrey M D 1123
- Husmann A: *see* Hickey M C 2897
- Hutchins M G, Abu-Alkhair O, El-Nahass M M and Abdel-Hady K: Electrical conduction mechanisms in thermally evaporated tungsten trioxide (WO_3) thin films 9987
- Hwang C C: *see* Lu C L 5849
- Hybler J: *see* Nikl M 3069
- Hynninen T, Raebiger H and von Boehm J: A multiscale study of ferromagnetism in clustered (Ga,Mn)N 1561
- Iakoubovskii K: *see* Shiryaev A A 1493
- Ibanez A: *see* Bordet P 5147
- Ibarra M R: *see* Ritter C 3937
- Ibberson R M: *see* Przenioslo R 2069
- Ibrahim K: *see* Cong G W 3081
- Ice G E: *see* Nicholson D M C 11585
- Ichikawa M: *see* Lim A R 2173
- Ichimiya M, Horii T, Hirai T, Sawada Y, Minamiguchi M, Ohno N, Ashida M and Itoh T: Nano-scale distribution of ZnO free exciton luminescence in ZnO:Zn microcrystals and its modification under electron beam excitation 1967
- Igartua J: *see* Ruiz-Larrea I 1649
- Iida T: *see* Owa Y 5895
- Ikeda T and Onoda M: Structural and electronic properties of the triangular lattice system Na_xCoO_2 8673
- Ikeno H: *see* Sonoda S 4615
- Ikeno T: *see* Sun P 5715
- Ikonić Z: *see* Vukmirović N 6249
- Ilg P, Coquelle E and Hess S: Structure and rheology of ferrofluids: simulation results and kinetic models 52757
- Imlau M: *see* Goulkov M 3037
- Imoto N: *see* Hirayama Y 5885
- Impidjati: *see* Thielecke H 5627
- Indjin D: *see* Vukmirović N 6249
- Inoue M: *see* Takahashi M 5745
- Inui M: *see* Okada J T 1613
- Iosilevski I: *see* Yakub E 1227
- Irisov D S: *see* Savinkov A V 6337
- Isasi J: *see* Jiménez-Melero E 7893
- Ishchuk V M, Samoilenko Z A and Sobolev V L: The kinetics of the local compositional changes at the ferroelectric–antiferroelectric interphase boundaries in lead–lanthanum titanate–zirconate solid solutions 11371
- Ishibashi Y: *see* Yasuda N 7659
- Ishida K: *see* Brown P J 2249
- Ishida K: *see* Kato M 669
- Ishikawa D: *see* Okada J T 1613
- Ishikawa R: *see* Okada J T 7203
- Ishikawa T: *see* Okada J T 1613
- Ishioka K: *see* Misochko O V 10571
- Ishiwata S, Bos J W G, Huang Q and Cava R J: Structure and magnetic properties of hollandite $\text{Ba}_{1.2}\text{Mn}_8\text{O}_{16}$ 3745
- Ishizuka M, Manaka H and Yamada I: Magnetic behaviour of the two-dimensional Heisenberg ferromagnet Cs_2CuF_4 under high pressure: a sensitive magnetic measurement in a diamond-anvil cell to 26 GPa 2935
- Isikawa Y: *see* Sun P 5715
- Iskakova L Yu: *see* Zubarev A Yu 52771
- Islam M: *see* Dudge J W 5405
- Isnard O: *see* Long G J 10765
- Isnard O: *see* Piquer C 205
- Isnard O: *see* Piquer C 221
- Isobe M: *see* Popović Z V 7779
- Itami T: *see* Nozaki K 2191
- Itami T: *see* Nozaki K 3617
- Ito K: *see* Fujima T 3089
- Ito T, Kato H, Nango T and Ohki Y: Improvement in electrical properties of hafnium and zirconium silicates by postnitriding 6009
- Itoh K: *see* Yamaga M 6033
- Itoh T: *see* Ichimiya M 1967
- Itoh Y: *see* Kato M 669
- Itou M: *see* Okada J T 7203
- Ivanov A: *see* Holm C 52737
- Ivanov M V and Schmelcher P: Electronic transmission through a coupled quantum dot and ring 2963
- Ivanov T: *see* Slavchov R 5873
- Ivanov V Yu: *see* Jandl S 1667
- Iwaki T: *see* Shew C-Y 3549
- Iwamoto S: *see* Takahashi M 5745
- Iwata M: *see* Yasuda N 7659

- Iwata S: *see* Wang H 10663
Izadifard M: *see* Buyanova I A 449
Izawa K: *see* Matsuda Y R705
Izmaylov A F, Goker A, Friedman B A and Nordlander P: Transient current in a quantum dot subject to a change in coupling to its leads 8995
- Jacob J: *see* Chandola S 6979
Jadżyn J, Czechowski G and Déjardin J-L: Dielectric and viscous properties of mesogenic *n*-nonylcyanobiphenyl (9CB) 1839
Jäger B, Paluch S, Żogał O J, Wolf W, Herzig P, Filippov V B, Shitsevalova N, Paderno Y: Characterization of the electronic properties of YB₁₂, ZrB₁₂, and LuB₁₂ using ¹¹B NMR and first-principles calculations 2525
Jähnert S: *see* Liu E 10009
Jakięła R: *see* Zhydachevskii Ya 5389
Jakobsen A F: *see* Mouritsen O G S1293
Jakubas R: *see* Czupiński O 3307
Jakubas R: *see* Kulicka B 5087
Jamieson D N: *see* Greentree A D S825
Jan C-K: *see* Wang J-L 10457
Jandl S, Mukhin A A, Ivanov V Yu and Balbashov A M: Micro-Raman study and phase transitions of Nd_{0.5}Ca_{0.5}MnO₃ 1667
Jandl S: *see* Charpentier S 7193
Jang K: *see* Park S 1267
Jang L Y: *see* Pao C W 265
Jannin S: *see* Abid M 6085
Janoschek M: *see* Fischer P 7975
Jansen M: *see* Hinrichsen B S1021
Japaridze G I and Pogosyan E: Magnetization plateau in the $S = \frac{1}{2}$ spin ladder with alternating rung exchange 9297
Jardat M: *see* Mériquet G S2685
Jardim R F: *see* Escote M T 6117
Jaščur M: *see* Čanová L 4967
Jayasankar C K: *see* Babu S S 3975
Jayasankar C K: *see* Balakrishnaiah R 165
Jayasankar C K: *see* Surendra Babu S 1927
Jeevan H S: *see* Kini N S 8205
Jeffers J: *see* Barnett S M S401
Jefferson J: *see* Benjamin S C S867
Jefferson J H: *see* Gunlycke D S843
Jefferson J H: *see* Gunlycke D S851
Jelezko F: *see* Wrachtrup J S807
Jensen E T: Control of photodissociation pathway for oriented adsorbed molecules using polarized light S1345
Jensen H: *see* Kröger J S51
Jensen M Ø: *see* Mouritsen O G S1293
Jensen U B: *see* Mouritsen O G S1293
Jeong J I: *see* Han S W 7413
Jeong S-Y: *see* Lim A R 6759
Jeong T: Electronic structure and magnetism of antiferromagnetic heavy fermion compound YbSi 6769
Jeong T: First-principles study of the electronic structure of heavy fermion YbRh₂Si₂ 10529
Jeong T and Pickett W E: First-principles study of the electronic structure of heavy fermion YbRh₂Si₂ 6289
Jephcoat A P: *see* Olijnyk H 10971
Jeziński A: *see* Szytuła A 4355
Jha S S: *see* Rajagopal A K 10677
Jia L, Sun J R, Zhang H W, Hu F X, Dong C and Shen B G: Magnetovolume effect in intermetallics LaFe_{13-x}Si_x 9999
Jiang C L: *see* Su W B 6299
Jiang J Z: *see* Saksl K 7579
Jiang J Z: *see* Wang H 10817
Jiang L, Su J, Kong H, Liu Y, Zheng S and Zhu C: Ultrasonic study of the charge mismatch effect in charge-ordered (Nd_{0.75}Na_{0.25})_x(Nd_{0.5}Ca_{0.5})_{1-x}MnO₃ 8563
Jiang L and Ye J: The mobility of dual vortices in honeycomb, square, triangular, Kagome and dice lattices 6907
Jiang N and Spence J C H: Can near-edge structure of the Bi L₃ edge determine the formal valence states of Bi? 8029
Jiang Q: *see* Hu C 4231
Jiang S: *see* Ren Z L379
Jiang S: *see* Xu M 8987
Jiménez J: *see* Romero F J 10075
Jiménez-Ángeles F: *see* Odriozola G S2335
Jiménez-Melero E, Gubbens P C M, Steenvoorden M P, Sakarya S, Goosens A, Dalmas de Réotier P, Yaouanc A, Rodríguez-Carvajal J, Beuneu B, Isasi J, Sáez-Puche R, Zimmerman U and Martínez J L: A combined study of the magnetic properties of GdCrO₄ 7893
Jimenez Villacorta F: *see* Santoni A 10853
Jin C: *see* Chi Z 4371
Jin C Q: *see* Long Y W 2421
Jin G: *see* Zhang J-J 837
Jing F-Q: *see* Tian C-L 8103
Jirák Z: *see* Knížek K 3285
Jivulescu M A and Papp E: On the dynamic localization conditions for dc-ac electric fields proceeding beyond the nearest-neighbour description 6853
Joachim C: The driving power of the quantum superposition principle for molecule-machines S1935
Joachim C: *see* Rapenne G S1797
Jodlauk S: *see* Heyer O L471
Johansson G, Tornberg L, Shumeiko V S and Wendin G: Readout methods and devices for Josephson-junction-based solid-state qubits S901

- Johnson J A: *see* Eryilmaz O L [S1751](#)
Johnson J A: *see* Kieffer J [903](#)
Jona F and Marcus P M: Computational study of Ca, Sr and Ba under pressure [4623](#)
Jona F and Marcus P M: Lattice parameters of aluminium in the Mbar range by first-principles [10881](#)
Jones G A C: *see* Hickey M C [2897](#)
Jones M A G: *see* Benjamin S C [S867](#)
Jørgensen K: *see* Mouritsen O G [S1293](#)
Joseph P J T and Singh P P: A first-principles comparison of the electronic properties of MgC_yNi_3 and ZnC_yNi_3 alloys [5333](#)
Joshi A S: *see* Babu S S [3975](#)
Joshi A S: *see* Balakrishnaiah R [165](#)
Joshi H H: *see* Vasoya N H [8063](#)
Jouart J P: *see* Boulma E [6721](#)
Joubert M-F: *see* Gryk W [117](#)
Jouini N: *see* Ammar S [9055](#)
Jóvári P: *see* Hoppe U [1847](#)
Jóvári P: *see* Kaban I [2749](#)
Jóvári P: *see* Saksl K [7579](#)
Józefczak A and Skumiel A: Field-induced aggregates in a bilayer ferrofluid characterized by ultrasound spectroscopy [1869](#)
Ju S: *see* Cai T-Yi [11347](#)
Juan C-P: *see* Wang J-L [10457](#)
Jung M H: *see* Song S H [11263](#)
Jung W-H: Investigations of the charge transport properties in $(\text{LaMn})_{0.956}\text{O}_3$ at low temperatures [6691](#)
Junqueira Prado R: *see* Fábregas I O [7863](#)
Jurgons R, Seliger C, Hilpert A, Trahms L, Odenbach S and Alexiou C: Drug loaded magnetic nanoparticles for cancer therapy [S2893](#)
Jurgons R: *see* Brunke O [S2903](#)
Juslin N: *see* Erhart P [6585](#)
- Kaasgaard T: *see* Mouritsen O G [S1293](#)
Kaban I, Jóvári P, Hoyer W, Delaplane R G and Wannberg A: Structural studies on Te-rich Ge-Te melts [2749](#)
Kabata H: *see* Terao K [S653](#)
Kabilan S: *see* Marshall A J [S619](#)
Kaczmarek S M: *see* Leniec G [9871](#)
Kaczmarek S M: *see* Bedoya-Martínez O N [8049](#)
Kaczorowski D: *see* Gofryk K [3887](#)
Kade A: *see* Vyalikh D V [S131](#)
Kadi-Hanifi M: *see* Hadjarab B [8551](#)
Kadyrzhanov K K, Rusakov V S and Turkebaev T E: Thermal stabilization of phase and structural state in binary lamellar metallic systems [4113](#)
Kagan M Yu, Kugel K I, Rakhmanov A L and Pazhitnykh K S: Small-scale phase separation in doped anisotropic antiferromagnets [10905](#)
Kaganer V M, Shalimov A, Bak-Misiuk J and Ploog K H: Asymptotic x-ray scattering from highly mismatched epitaxial films [5047](#)
Kahle M: *see* Binczycka H [10561](#)
Kahlenberg V: *see* Friese K [2677](#)
Kahlenberg V: *see* Grzechnik A [8925](#)
Kainuma R: *see* Brown P J [2249](#)
Kaiser A, Gelbrich T and Schmidt A M: Thermosensitive magnetic fluids [S2563](#)
Kaiser W A: *see* Hilger I [S2951](#)
Kakiuchi T: *see* Kobayashi E [S1389](#)
Kakuno E M: *see* Varalda J [9105](#)
Kalampounias A G, Yannopoulos S N and Papatheodorou G N: Comment on ‘Collective dynamics in crystalline polymorphs of ZnCl_2 : potential modelling and inelastic neutron scattering study’ by A Sen, Mala N Rao, R Mittal and S L Chaplot 2005 J. Phys.: Condens. Matter 17 6179 [6429](#)
Kalarasse F, Benneker B and Mellouki A: Optical properties of the filled tetrahedral semiconductors LiMgX ($X = \text{N, P and As}$) [7237](#)
Kaldarar H: *see* Gribanov A [9593](#)
Kalinin A A: *see* Surovtsev N V [4763](#)
Kalyva M: *see* Siokou A [5525](#)
Kamada K: *see* Nikl M [3069](#)
Kamali-M S, Bergman A, Andersson G, Stanciu V and Häggström L: Local magnetic effects of interface alloying in Fe/Co superlattices [5807](#)
Kamali-M S, Ericsson T, Häggström L, Berger R, Ronneteg S and Felton S: $\text{TiCu}_{1.73}\text{Fe}_{0.27}\text{Se}_2$ studied by means of Mössbauer spectroscopy and SQUID magnetometry [7373](#)
Kamaratos M: *see* Vlachos D [6997](#)
Kameli P: *see* Eshraghi M [8281](#)
Kamińska A: *see* Zhydachevskii Ya [11385](#)
Kamiński K, Paluch M, Ziolo J and Ngai K L: Dielectric studies of molecular motions in glassy and liquid nicotine [5607](#)
Kammel M: *see* Wiedenmann A [S2713](#)
Kamruddin M: *see* Seetha Lakshmi L [4427](#)
Kanasaki J: *see* Tanimura K [S1479](#)
Kanchana V, Vaitheeswaran G and Alouani M: Calculated electronic structure and x-ray magnetic circular dichroism of CrO_2 [5155](#)
Kanchana V, Vaitheeswaran G, Svane A and Delin A: First-principles study of elastic properties of CeO_2 , ThO_2 and PoO_2 [9615](#)
Kandavel M and Ramaprabhu S: Hydrogen-induced changes in the properties of Zr-based AB_2 alloy studied by x-ray, electrical resistivity and differential scanning calorimetry [2943](#)
Kandavel M and Ramaprabhu S: Hydrogen storage properties of Mg-based composites prepared by reaction ball milling [11275](#)
Kandpal H C: *see* Wurmehl S [6171](#)

- Kandt C: *see* Tieleman D P [S1221](#)
Kane M H: *see* Strassburg M [2615](#)
Kaneta Y: *see* Wang H [10663](#)
Kang J-S: *see* Han S W [7413](#)
Kang J Y: *see* Zhou C J [6281](#)
Kang S J: *see* Seo J H [S2055](#)
Kania A, Daniel Ph and Stodczyk A:
Cubic–tetragonal–orthorhombic phase transition sequence in $0.5\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ – 0.5PbTiO_3 and $0.36\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ – 0.64PbTiO_3 single crystals [9625](#)
Kanomata T: *see* Brown P J [2249](#)
Kantorovich L: *see* Wang Y [295](#)
Kantorovich S: *see* Holm C [S2737](#)
Kapri R and Bhattacharjee S M: Unzipping DNA by force: thermodynamics and finite size behaviour [S215](#)
Kaprzyk S: *see* Stopa T [6379](#)
Kaputkina N E and Lozovik Yu E: Magnetic field influence on spectrum rearrangement and spin transformation of coupled quantum dots [S2169](#)
Kara A and Rahman T S: Structure, dynamics and thermodynamics of a metal chiral surface: Cu(532) [8883](#)
Karchev N: Bound states of Cooper pairs and electrons in the superconducting phase of MgB_2 [1553](#)
Karczewski G: *see* Komarov A V [7401](#)
Karmakar S N: *see* Maiti S K [5349](#)
Kärner T: *see* Nakonechnyi S [379](#)
Kasai H: *see* David M [1137](#)
Kasapoglu E, Sari H, Yesilgul U and Sokmen I: The effect of intense laser field on the photoionization cross-section and binding energy of shallow donor impurities in graded quantum-well wire under an electric field [6263](#)
Kaschny J R: *see* Azevedo S [10871](#)
Kassiba A: *see* Tabellout M [1143](#)
Kato H: *see* Ito T [6009](#)
Kato M, Michioka C, Waki T, Itoh Y, Yoshimura K, Ishida K, Sakurai H, Takayama-Muromachi E, Takada K and Sasaki T: Possible spin triplet superconductivity in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ — ^{59}Co NMR studies [669](#)
Katsnelson M I: *see* Edwards D M [7209](#)
Katsnelson M I: *see* Lebègue S [6329](#)
Katsumata K: *see* Staub U [11007](#)
Katzke H, Bismayer U and Tolédano P: Reconstructive phase transitions between carbon polymorphs: limit states and periodic order-parameters [5129](#)
Kaul A R: *see* Melnikov O V [3753](#)
Kaul E E: *see* Kini N S [1303](#)
Kaul R: *see* Manekar M [6017](#)
Kaul S N: *see* Basheed G A [6607](#)
Kaundalaya D: *see* Bhatia S N [7179](#)
Kavak H: *see* Şenadim E [6391](#)
Kavita S: *see* RaghavendraReddy V [6401](#)
Kavner A: *see* Conil N [S1039](#)
Kawakami M: *see* Matsuda K [1837](#)
Kawakatsu T, Tanaka H, Koizumi S and Hashimoto T: Computer simulation of reaction-induced self-assembly of cellulose via enzymatic polymerization [S2499](#)
Kawata H: *see* Yano K [6891](#)
Kaya H: *see* E Üstün [7825](#)
Kaynts D: *see* Gągor A [4489](#)
Kazei Z A, Fillion G, Harat A, Snegirev V V and Kozeeva L P: Magnetic properties and the crystal field problem for tetragonal $\text{HoBa}_2\text{Cu}_3\text{O}_x$ [10445](#)
Ke W: *see* Zhang N [10965](#)
Ke W: *see* Zhang N [11013](#)
Keşlioğlu K: *see* Akbulut S [8403](#)
Kebe Th, Zakeri Kh, Lindner J, Spasova M and Farle M: Magnetization and magnetic anisotropy energy of ultrathin Fe films on GaAs(001) exposed to oxygen [8791](#)
Keeble D J: *see* Cox S F J [1079](#)
Keef T, Taormina A and Twarock R: Classification of capped tubular viral particles in the family of Papovaviridae [S375](#)
Keeling D L: *see* Humphry M J [S1837](#)
Kegler C: *see* Nath R [4285](#)
Keiderling U: *see* Wiedenmann A [S2713](#)
Keller L: *see* Fischer P [7975](#)
Kempter V: *see* Behrens S [S2543](#)
Kennedy I: *see* Harvey A [2181](#)
Kennedy R: *see* Nelson C S [997](#)
Kentzinger E: *see* Paul A [L149](#)
Keren A: *see* Cox S F J [1061](#)
Kerridge A, Savory S, Harker A H and Stoneham A M: Time dependent quantum simulations of two-qubit gates based on donor states in silicon [S767](#)
Kersch P: *see* El-Hagary M [4567](#)
Kersting R: *see* Chong L H [645](#)
Kesavamoorthy R: *see* Dhamodaran S [4135](#)
Keskin M: *see* Canko O [6635](#)
Keune W: *see* Stromberg F [9881](#)
Keyes R W: Information, computing technology, and quantum computing [S703](#)
Khalid S: *see* Pandey S K [7103](#)
Khalid S: *see* Pandey S K [10617](#)
Khan S A: *see* Dhamodaran S [4135](#)
Khare N: *see* Chandra A [2977](#)
Khater A: *see* Bourahla B [8683](#)
Khemmani S and Sa-yakanit V: Localization and the effective mass of a vortex [2655](#)
Khlobystov A N: *see* Benjamin S C [S867](#)
Khmelevska T, Khmelevskiy S, Ruban A V and Mohn P: Magnetism and origin of

- non-monotonous concentration dependence of the bulk modulus in Fe-rich alloys with Si, Ge and Sn: a first-principles study [6677](#)
- Khmelevskiy S: *see* Khmelevska T [6677](#)
- Khodaparast G A: *see* Wang J [R501](#)
- Khokhlov A R: *see* Ushakova A S [915](#)
- Khokhulin A: *see* Laiho R [10291](#)
- Khoma M M: *see* Yevych R M [4047](#)
- Khomchenko V A, Troyanchuk I O, Sazonov A P, Sikolenko V V, Szymczak H and Szymczak R: Metamagnetic behaviour in $\text{TbCo}_{0.5}\text{Mn}_{0.5}\text{O}_{3.06}$ perovskite [9541](#)
- Khomskii D: *see* Heyer O [L471](#)
- Khushalani D: *see* Liu E [10009](#)
- Khveshchenko D V: Dissipative phase transition in two-dimensional d-wave Josephson junctions [2443](#)
- Kiang J G: *see* Tsen K T [7961](#)
- Kiang J G: *see* Tsen K T [L585](#)
- Kieffer J, Johnson J A, Nikolayev O and Bass J D: Structures and visco-elastic properties of potassium tellurite: glass versus melt [903](#)
- Kiejna A, Pabisiak T and Gao S W: The energetics and structure of rutile $\text{TiO}_2(110)$ [4207](#)
- Kietzmann A, Redmer R, Hensel F, Desjarlais M P and Mattsson T R: Structure of expanded fluid Rb and Cs: a quantum molecular dynamics study [5597](#)
- Kikkawa A: *see* Mulders A M [11195](#)
- Kikkawa A: *see* Staub U [11007](#)
- Kilcoyne S H: *see* Al-Jawad M [1449](#)
- Kilcoyne S H: *see* Bentley P M [7751](#)
- Kim B H: *see* Kim K [7227](#)
- Kim C, Oikawa Y, Shin J S and Ozaki H: Electronic structure of VO_2 near phase transition by tunnelling spectroscopy [9863](#)
- Kim C S: *see* Han S W [7413](#)
- Kim C S: *see* Kim K [3127](#)
- Kim C Y: *see* Seo J H [S2055](#)
- Kim D H: *see* Chang G S [4243](#)
- Kim G: *see* Han S W [7413](#)
- Kim I: *see* Park S [1267](#)
- Kim J-Y: *see* Han S W [7413](#)
- Kim K, Kim C S and Lee J Y: The In compositional gradation effect on photoluminescence in InGaN/GaN multi-quantum-well structures [3127](#)
- Kim K, Yu U, Kim B H and Min B I: Effects of band broadening and shape of the density of states on the magnetic phase diagram [7227](#)
- Kim K: *see* Pagès O [577](#)
- Kim K H: *see* Han S W [7413](#)
- Kim K W: *see* Tsen K T [7961](#)
- Kim S: *see* Park S [1267](#)
- Kim S J: *see* Han S W [7413](#)
- Kindo K: *see* Sonoda S [4615](#)
- Kini N S, Kaul E E and Geibel C: $\text{Zn}_2\text{VO}(\text{PO}_4)_2$: an $S = 1/2$ Heisenberg antiferromagnetic square lattice system [1303](#)
- Kini N S, Strydom A M, Jeevan H S, Geibel C and Ramakrishnan S: Transport and thermal properties of weakly ferromagnetic Sr_2IrO_4 [8205](#)
- Kinkhabwala Y A and Likharev K K: Sub-electron charge relaxation via 2D hopping conductors [4895](#)
- Kinkhabwala Y A, Sverdlov V A, Korotkov A N and Likharev K K: A numerical study of transport and shot noise in 2D hopping [1999](#)
- Kinkhabwala Y A, Sverdlov V A and Likharev K K: A numerical study of Coulomb interaction effects on 2D hopping transport [2013](#)
- Kinnunen P K J: *see* Ryhänen S J [S1139](#)
- Kinoshita M: *see* Harano Y [L107](#)
- Kinzhybalov V: *see* Kulicka B [5087](#)
- Kirakosyan A A: *see* Barseghyan M G [S2161](#)
- Kirchner A: *see* Vyalikh D V [S131](#)
- Kirkland A I: *see* Pyper N C [683](#)
- Kirschner J: *see* Huang R Z [L217](#)
- Kirschner J: *see* Longo R C [9143](#)
- Kishan H: *see* Lal R [2563](#)
- Kisi E H: *see* Forrester J S [L233](#)
- Kitajima M: *see* Misochko O V [10571](#)
- Kitsenko Yu A: *see* Adamenko I N [10179](#)
- Kizaki H: *see* Wada S-I [S1629](#)
- Klamroth T: *see* Saalfrank P [S1425](#)
- Klamut P W: *see* Han Z H [2273](#)
- Klar P J: *see* Krug von Nidda H-A [6071](#)
- Klassen I: *see* Heyer O [L471](#)
- Kleemann W: Absence of true critical exponents in relaxor ferroelectrics: the case for nanodomain freezing [L523](#)
- Klein H: *see* Bellini B [S1817](#)
- Klein J J: *see* de Moraes A R [1165](#)
- Klein Wolterink J: *see* Heim T [S525](#)
- Kleinert P and Bryksin V V: Theory of spin-Hall transport of heavy holes in semiconductor quantum wells [7497](#)
- Klenin K: *see* Gehlen L R [S245](#)
- Klepeis J: *see* Landa A [5079](#)
- Klimonsky S O: *see* Balagurov L A [10999](#)
- Kłos J: *see* Majtyka M [3581](#)
- Klyachkin L E: *see* Bagraev N T [L567](#)
- Knebel G: *see* Derr J [2089](#)
- Knight K S: *see* Carpenter M A [10725](#)
- Knight K S: *see* Forrester J S [L233](#)
- Knight K S: *see* Przeniosło R [2069](#)
- Knights A P: *see* Pi X D [9943](#)
- Knížek K, Jiráček Z, Hejtmanek J and Novák P: Character of the excited state of the Co^{3+} ion in LaCoO_3 [3285](#)
- Knobel M: *see* Martinez-Garcia R [11243](#)
- Kobayashi E, Mase K, Nambu A, Seo J, Tanaka S, Kakiuchi T, Okudaira K K, Nagaoka S-I and

- Tanaka M: Recent progress in coincidence studies on ion desorption induced by core excitation [S1389](#)
- Kobayashi K: Complementary media of electrons [3703](#)
- Kobayashi M: *see* Mita Y [5185](#)
- Kobeleva S P: *see* Balagurov L A [10999](#)
- Kobyakov S: *see* Zhydachevskii Ya [11385](#)
- Kochelap V A: *see* Tsen K T [7961](#)
- Kodama N: *see* Yamaga M [6033](#)
- Kodjikian S: *see* Barrero C A [6827](#)
- Koepe II R E: *see* Ashrafuzzaman Md [S1235](#)
- Kohara T: *see* Muro Y [3931](#)
- Kohlbrecher J: *see* Aswal V K [11399](#)
- Kohyama M: *see* Zhang Y [5121](#)
- Koike Y: *see* Hiess A [R437](#)
- Koizumi J: *see* Takizawa J [L209](#)
- Koizumi S: *see* Kawakatsu T [S2499](#)
- Kolagani R M: *see* Nelson C S [997](#)
- Kolasinski K W: Surface photochemistry in the vacuum and extreme ultraviolet (VUV and XUV): high harmonic generation, H₂O and O₂ [S1655](#)
- Kolb R: *see* Yang L [S2421](#)
- Kolekar Y D: *see* Devan R S [9809](#)
- Kolendryckj D D: *see* Gnatenko Yu P [9603](#)
- Kolesnik S P: *see* Gavriljuk V G [7613](#)
- Kolesnikov A I: *see* de Souza N R [S2321](#)
- Kolesnikov A I: *see* Liu L [S2261](#)
- Kolesnikov A I: *see* Zanotti J-M [S2299](#)
- Kolesnikov V A: *see* Tyutnev A P [6365](#)
- Kolev E: *see* Zimmermann K [S2973](#)
- Koller W and Dupuis N: Variational cluster perturbation theory for Bose–Hubbard models [9525](#)
- Kolmakova N: *see* Fogg J M [S145](#)
- Kolobov A V: *see* Andrikopoulos K S [965](#)
- Kolodziej J J: *see* Szymonski M [S1547](#)
- Kolodziej B: *see* Leniec G [9871](#)
- Kolupaeva Z I: *see* Samsonenko N D [5303](#)
- Koma M: *see* Owa Y [5895](#)
- Komarov A V, Sugakov V I, Vertsimakha G V, Zaleszczyk W, Karczewski G and Wojtowicz T: Magnetic field dependence of exciton linewidth in quantum wells made of semimagnetic semiconductors: comparison of theory and experiment [7401](#)
- Komatsubara T: *see* Hiess A [R437](#)
- Komesu T, Waddill G D and Tobin J G: Spin-polarized electron energy loss spectroscopy on Fe(100) thin films grown on Ag(100) [8829](#)
- Komirenko S M: *see* Tsen K T [7961](#)
- Komsa H-P: *see* Laaksonen K [10097](#)
- Kondo S and Yamada K: Calculation of transition probability for neutralization process of +1 ion based on the Nozières and Dominicis theory [5911](#)
- Kong H: *see* Jiang L [8563](#)
- Kong L T: *see* Kong Y [4345](#)
- Kong X-J: *see* Chen H-Y [4543](#)
- Kong Y, Kong L T and Liu B X: First-principles calculations of the structural stability and magnetic property of the metastable phases in the equilibrium immiscible Co–Au system [4345](#)
- Kong Y: *see* Dai X D [4527](#)
- Kong Y: *see* Li S [3527](#)
- Kono J: *see* Wang J [R501](#)
- Konstantinov V A, Manzhelii V G, Revyakin V P, Sagan V V and Pursky O I: Isochoric thermal conductivity of solid carbon oxide: the role of phonons and ‘diffusive’ modes [9901](#)
- Konstantinova A S: *see* Balagurov L A [10999](#)
- Kontos A G: *see* Popović Z V [7779](#)
- Koós A A: *see* Tapasztó L [5793](#)
- Korableva S L: *see* Aminov L K [4985](#)
- Kornyshev A A: *see* Monroe C W [2837](#)
- Korotcov A, Huang Y-S, Tsai D-S and Tiong K-K: Growth and characterization of well aligned densely packed IrO₂ nanocrystals on sapphire via reactive sputtering [1121](#)
- Korotin M A: *see* Anisimov V I [1695](#)
- Korotkov A N: *see* Kinkhabwala Y A [1999](#)
- Kosmowska M and Orzechowski K: Non-linear dielectric effect in an ethanol+dodecane critical mixture with minor amounts of ions [6225](#)
- Kosov D S: *see* Li Z [1347](#)
- Köster S: *see* Dootz R [S639](#)
- Kostur M: *see* Machura L [4111](#)
- Kotal A: *see* Thakur M [9093](#)
- Kotlarchyk M: *see* Zambrano E [S2451](#)
- Kotomin E: *see* Heifets E [4845](#)
- Kotz S: *see* Nadarajah S [2933](#)
- Koumetz S, Pesant J-C and Dubois C: Comparative models for diffusion of implanted beryllium in gallium arsenide [L283](#)
- Kovacs L: *see* Marinova V [L385](#)
- Kowalczyk A: *see* Toliński T [3435](#)
- Kowalczyk A: *see* Tran V H [10353](#)
- Kozeva L P: *see* Kazei Z A [10445](#)
- Kozlov M M: Membrane shape equations [S1177](#)
- Krämer K W: *see* Birowosuto M D [6133](#)
- Krasnikov A: *see* Nikl M [3069](#)
- Krawiec M: Residual Kondo effect in quantum dot coupled to half-metallic ferromagnets [6923](#)
- Kremer G: *see* Munoz R C [3401](#)
- Kresse G: *see* Lundgren E [R481](#)
- Kresse G: *see* Schoiswohl J [R1](#)
- Krischok S: *see* Cherkashinin G [9841](#)
- Krishna P S R: *see* Chakraborty K R [8661](#)
- Krishna Prasad S: *see* Lobo C V [767](#)
- Krishnamurthy H R: *see* Galpin M R [6545](#)
- Krishnamurthy H R: *see* Galpin M R [6571](#)
- Kröger J, Néel N, Jensen H, Berndt R, Rurali R

- and Lorente N: Molecules on vicinal Au surfaces studied by scanning tunnelling microscopy [S51](#)
- Krok F: *see* Szymonski M [S1547](#)
- Kroll K M: *see* Roth R [6517](#)
- Kröner D: *see* Saalfrank P [S1425](#)
- Kroto H W: *see* Humphry M J [S1837](#)
- Krug von Nidda H-A, Kurz T, Loidl A, Hartmann Th, Klar P J, Heimbrodt W, Lampalzer M, Volz K and Stolz W: Tuning the magnetic properties of GaAs:Mn/MnAs hybrids via the MnAs cluster shape [6071](#)
- Krüger H: *see* Friese K [2677](#)
- Krüger H: *see* Grzechnik A [8925](#)
- Kruk D, Lips O, Gumann P, Privalov A and Fujara F: Dynamics of fluorine ions in LaF₃-type crystals investigated by NMR lineshape analysis [1725](#)
- Krzystyniak M: *see* Chatzidimitriou-Dreismann C A [4741](#)
- Kshirsagar A: *see* Tandon N [9245](#)
- Ku H C: *see* Lee W N [L15](#)
- Kuang X-Y: *see* Tan X-M [1705](#)
- Kübler J: *Ab initio* estimates of the Curie temperature for magnetic compounds [9795](#)
- Kubo A: *see* Yoneda A [S979](#)
- Kuchanov S I and Panyukov S V: A correct account of the non-local terms in the Landau theory of phase transitions in polydisperse heteropolymers [L43](#)
- Kück S and Sokólska I: Spectroscopic investigation of Mn²⁺, Pr³⁺ codoped KMgF₃ under vacuum-ultraviolet excitation [5447](#)
- Kudryavtseva I: *see* Nakonechnyi S [379](#)
- Kugel K I: *see* Kagan M Yu [10905](#)
- Kulda J: *see* Coomer F C [8847](#)
- Kulicka B, Kinzhybalov V, Jakubas R, Ciunik Z, Baran J and Medycki W: Crystal structure and phase transition of 4-aminopyridinium tetrachlorobismuthate(III), [4-NH₂C₅H₄NH][BiCl₄], as studied by x-ray diffraction, dielectric, proton NMR and infrared spectroscopy [5087](#)
- Kumar A: *see* Bartel K [3535](#)
- Kumar A: *see* Pandey S K [1313](#)
- Kumar A: *see* Pandey S K [7103](#)
- Kumar J: *see* Thota S [2473](#)
- Kumar K: *see* Banerjee A [L605](#)
- Kumar M and Yadav K L: The effect of Ti substitution on magnetoelectric coupling at room temperature in the BiFe_{1-x}Ti_xO₃ system [L503](#)
- Kumar N: *see* Sarangi S [L143](#)
- Kumar R: *see* Kumar V [5029](#)
- Kumar R: *see* Vasoya N H [8063](#)
- Kumar S, Gupte V and Sreenivas K: Structural and optical properties of magnetron sputtered Mg_xZn_{1-x}O thin films [3343](#)
- Kumar U: *see* Chakrabarti P K [5253](#)
- Kumar V, Singh N, Kumar R and Lochab S P: Synthesis and characterization of bismuth doped calcium sulfide nanocrystallites [5029](#)
- Kumara N T R N: *see* Samarasekera P [2417](#)
- Kundu A K, Nordblad P and Rao C N R: Glassy behaviour of the ferromagnetic and the non-magnetic insulating states of the rare earth manganates Ln_{0.7}Ba_{0.3}MnO₃ (Ln = Nd or Gd) [4809](#)
- Kunold A: *see* Torres M [4029](#)
- Kuntscher C A: *see* Thirunavukkuarasu K [9173](#)
- Kuntze J: *see* Mugarza A [S27](#)
- Kuo C T: *see* Lee W N [L15](#)
- Kuo X J: *see* Huang J H [3897](#)
- Kuo Y-K: *see* Rao A [2955](#)
- Kuramoto Y: *see* Staub U [11007](#)
- Kurihara T: *see* Tanaka H K M [8581](#)
- Kurmaev E Z: *see* Chang G S [4243](#)
- Kurmaev E Z: *see* Wilks R G [10405](#)
- Kurmaev E Z: *see* Yablonskikh M V [1757](#)
- Kurz H: *see* Nagel M [S601](#)
- Kurz T: *see* Krug von Nidda H-A [6071](#)
- Kushvaha S S, Yan Z, Xiao W and Wang X-S: Surface morphology of crystalline antimony islands on graphite at room temperature [3425](#)
- Kuwai T: *see* Sun P [5715](#)
- Kuzhir P: *see* López-López M T [S2803](#)
- Kwapiński T: Charge fluctuations in a perfect and disturbed quantum wire [7313](#)
- Kwiatek W M: *see* Dąbrowska A [10157](#)
- Kwon S J: Wrenching of a metal thin film on a structured polymer layer [9403](#)
- Kwon S J and Park J-G: Theoretical analysis of the radius of semiconductor nanowires grown by the catalytic vapour-liquid-solid mechanism [3875](#)
- La Nave E: *see* Zaccarelli E [S2373](#)
- Laad M S: *see* Craco L [10943](#)
- Laaksonen K, Komsa H-P, Arola E, Rantala T T and Nieminen R M: Computational study of GaAs_{1-x}N_x and GaN_{1-y}As_y alloys and arsenic impurities in GaN [10097](#)
- Lacis S: *see* López-López M T [S2803](#)
- Lackner R: *see* Griбанov A [9593](#)
- Lähderanta E: *see* Laiho R [10291](#)
- Lähderanta E: *see* Nedeoglo N D [8113](#)
- Lai Y-S: *see* Wang J-L [10457](#)
- Laidani N, Bartali R, Gottardi G, Anderle M, Chuste G and Bellachioma C: Production and characterization of thin a-C:(H) films for gas permeation barrier functionality against He, CO₂, N₂, O₂ and H₂O [5945](#)
- Laiho R, Lisunov K G, Lähderanta E, Shubnikov M L, Stepanov Yu P, Petrenko P A, Khokhulin A and Zakhvalinskii V S: Variable-range hopping conductivity and

- structure of density of localized states in $\text{LaMnO}_{3+\delta}$ under pressure 10291
- Laiho R: *see* Lal R 2563
- Laiho R: *see* Nedeoglo N D 8113
- Laikhtman A: *see* Hoffman A S1517
- Lakhani V K: *see* Vasoya N H 8063
- Lakshmi S: *see* Sengupta S 9189
- Lal R, Awana V P S, Peurla M, Rawat Rajeev, Ganesan V, Kishan H, Narlikar A V and Laiho R: Magnetism, upper critical field and thermoelectric power of the magnetosuperconductor $\text{RuSr}_2\text{Eu}_{1.5}\text{Ce}_{0.5}\text{Cu}_2\text{O}_{10-\delta}$ 2563
- Lalić M V and Mestnik-Filho J: Semiconductor properties of Cu-based delafossites revealed by an electric field gradient study 1619
- Lalla N P: *see* Anwar S 3455
- Lalla N P: *see* Pandey S K 10617
- Lam C-H: *see* Ouyang S-H 11551
- Lamas D G: *see* Fábregas I O 7863
- Lambert C J: *see* Gunlycke D S843
- Lambert-Mauriat C and Oison V: Density-functional study of oxygen vacancies in monoclinic tungsten oxide 7361
- Lambin P: *see* Tapasztó L 5793
- Lambrecht W R L: *see* Larson P 11333
- Lamoen D: *see* Titantah J T 10803
- Lampalzer M: *see* Krug von Nidda H-A 6071
- Lampson M A: *see* Ashrafuzzaman Md S1235
- Lan S: *see* Chen Y 2587
- Lan Y-Z: *see* Huang S-P 5535
- Lan Y-Z: *see* Xie Z 7171
- Lancok J: *see* Pillonnet A 10043
- Landa A, Klepeis J, Söderlind P, Naumov I, Velikokhatnyi O, Vitos L and Ruban A: Fermi surface nesting and pre-martensitic softening in V and Nb at high pressures 5079
- Lander G H: *see* Bernhoeft N 5961
- Lander G H: *see* Hiess A R437
- Landfester K: *see* Holzapfel V S2581
- Lang C and Schüler D: Biogenic nanoparticles: production, characterization, and application of bacterial magnetosomes S2815
- Lang M: *see* Wiehl L 11067
- Langari A: *see* Fledderjohann A 4935
- Langner A: *see* Zambrano E S2451
- Langowski J: *see* Gehlen L R S245
- Lanotte L: *see* Amoruso S L49
- Lapertot G: *see* Bud'ko S L 8353
- Lapertot G: *see* Derr J 2089
- Laref A, Şaşıoğlu E and Sandratskii L M: First-principles investigation of magnetism of U films and $\text{U}(\text{OO}1)_1/\text{Fe}(\text{110})_3$ multilayers 4177
- Larson C, Doerr J, Affatigato M, Feller S, Holland D and Smith M E: A ^{29}Si MAS NMR study of silicate glasses with a high lithium content 11323
- Larson P and Lambrecht W R L: Electronic structure and magnetism of europium chalcogenides in comparison with gadolinium nitride 11333
- Laskowski L: *see* Tabellout M 1143
- Lassagne B, Raquet B, Broto J M and González J: Energy dependent transport length scales in strongly diffusive carbon nanotubes 4581
- Latham C D, Öberg S, Briddon P R and Louchet F: A pseudopotential density functional theory study of native defects and boron impurities in FeAl 8859
- Launay J P: *see* Rapenne G S1797
- Laval J Y: *see* Orlova T S 6729
- Lavrova O, Matthies G, Mitkova T, Polevikov V and Tobiska L: Numerical treatment of free surface problems in ferrohydrodynamics S2657
- Le Parc R, Levelut C, Pelous J, Martinez V and Champagnon B: Influence of fictive temperature and composition of silica glass on anomalous elastic behaviour 7507
- Le Parc R: *see* Angot E 4315
- Le Ru E C: *see* Etchegoin P G 1175
- Le Touze C and Lin J J: Magnetoresistance and percolation in $\text{Au}_p-(\text{PrBa}_2\text{Cu}_3\text{O}_7)_{1-p}$ composites 9447
- Leao J: *see* Liu L S2261
- Lebech B: *see* Bahl C R H 4161
- Lebed K: *see* Dąbrowska A 10157
- Lebègue S, Svane A, Katsnelson M I, Lichtenstein A I and Eriksson O: Multiplet effects in the electronic structure of heavy rare-earth metals 6329
- Lee A, Zhu R and McNallan M: Kinetics of conversion of silicon carbide to carbide derived carbon S1763
- Lee C H, Chen R B, Li T S, Chang C P and Lin M F: Electronic structures of finite carbon nanotubes under external fields 9427
- Lee C H, Danilowicz C, Conroy R S, Coljee V W and Prentiss M: Impacts of magnesium ions on the unzipping of λ -phage DNA S205
- Lee C H: *see* Shyu F L 8313
- Lee D J and Wynveen A: Torsional fluctuations in columnar DNA assemblies 787
- Lee J F: *see* Pao C W 265
- Lee J Y: *see* Kim K 3127
- Lee S S: *see* Han S W 7413
- Lee S: *see* Oh C 3335
- Lee W E: *see* Ojovan M I 11507
- Lee W E: *see* Woodward D I 2401
- Lee W N, Chen Y F, Huang J H, Guo X J, Kuo C T, Chin T S and Ku H C: $(\text{In}_{0.52}\text{Al}_{0.48})_{1-x}\text{Mn}_x\text{As}$ diluted magnetic semiconductor grown on InP substrates L15
- Lee W N: *see* Huang J H 3897
- Lee Y C: *see* Shu G W L543

- Lee Y: *see* Lufaso M W 8761
 Lees M R: *see* Wooldridge J 4731
 Lefevre F X: *see* Raveau B 10237
 Lefmann K: *see* Bahl C R H 11203
 Lefrant S: *see* Preda N 8899
 Legrand-Buscema C: *see* Abdelouahdi K 1913
 Leidy C: *see* Mouritsen O G S1293
 Leigh D F: *see* Benjamin S C S867
 Lejay P: *see* Bordet P 5147
 Lekka M: *see* Dąbrowska A 10157
 Lekki J: *see* Dąbrowska A 10157
 Lekner J: Angular momentum of sound pulses 6149
 Lekner J: Localized oscillatory acoustic pulses 3031
 Lembrikov B I, Malits P, Haridim Moti, Potemska E and Vagner I D: Ambipolar lateral diffusion of photo-induced carriers in a moderate magnetic field 3817
 Lemos V: *see* Bezerra E M 8325
 Lengyel K: *see* Marinova V L385
 Leniec G, Kaczmarek S M, Typek J, Kołodziej B, Grech E and Schilf W: Spectroscopic and magnetic properties of a gadolinium macrobicyclic complex 9871
 Lenoir B: *see* Puyet M 11301
 Leonardo A: *see* Sklyadneva I Yu 7923
 Leonov I, Yaresko A N, Antonov V N, Schwingenschlögl U, Eyert V and Anisimov V I: Charge order and spin-singlet pair formation in Ti_4O_7 10955
 Lepeshkin N N: *see* Bigelow M S 3117
 Leporini D: *see* Molin D 7543
 Leppert V: *see* Harvey A 2181
 Leroy S and Pieranski P: Steps and dislocations in cubic lyotropic crystals 6453
 Leschhorn A, Embs J P and Lücke M: Magnetization of rotating ferrofluids: the effect of polydispersity S2633
 Leung L: *see* Noakes T C Q 5017
 Levelut C: *see* Angot E 4315
 Levelut C: *see* Le Parc R 7507
 Levitas V I: *see* Ma Y S1075
 Levstik A: *see* Scott J F L205
 Levy J: *see* Fodor P S S745
 Lewis D E A: *see* Zurla C S225
 Lewis J P: *see* Wang H 421
 Lewis L H, Yoder D, Moodenbaugh A R, Fischer D A and Yu M-H: Magnetism and the defect state in the magnetocaloric antiperovskite $Mn_3GaC_{1-\delta}$ 1677
 Leydet Y: *see* Prasanna de Silva A S1847
 Lezon T R, Banavar J R and Maritan A: The origami of life 847
 Li C: *see* Hu J 5415
 Li D, Nimori S and Shiokawa Y: Random spin freezing in uranium intermetallic compound $UCuSi$ 3299
 Li D: *see* Wu Q 9519
 Li F: *see* Chi Z 4371
 Li F: *see* Wang T 10545
 Li F-F: *see* Huang S-P 5535
 Li H: *see* Wu Q 9519
 Li J: *see* Sun M 10889
 Li J: *see* Wang F B 5835
 Li J H: *see* Dai X D 4527
 Li J H: *see* Tai K P L459
 Li J H: *see* Wang W C 9911
 Li J Q: *see* Zhu X H 4709
 Li J Q: *see* Zhu X H 10117
 Li L: *see* Chen J S1049
 Li L: *see* Chi Z 4371
 Li L: *see* Weidner D J S1061
 Li L H and Fan T Y: Stress potential function formulation and complex variable function method for solving the elasticity of quasicrystals of point group 10 and the exact solution for the notch problem 10631
 Li M S: *see* Andrade L H C 7883
 Li S, Liu S, Kong Y, Deng D, Gao G, Li Y, Gao H, Zhang L, Hang Z, Chen S and Xu J: The optical damage resistance and absorption spectra of $LiNbO_3:Hf$ crystals 3527
 Li S L: *see* Wang F B 5835
 Li T S: *see* Lee C H 9427
 Li T S and Lin M F: Transport properties of finite carbon nanotubes under electric and magnetic fields 10693
 Li W, Feng X, Duan C, Zhao J, Cao D and Gu M: Spectral properties and energy transfer in $PbWO_4$ co-doped with Cr^{3+} and F^- 6065
 Li W-Q: *see* Fan W-B 3367
 Li X: *see* Huang S 7135
 Li X-F: *see* Zu F-Q 2817
 Li X-M: *see* Zhao J-L 1495
 Li X Y: *see* Wang W C 9911
 Li Y, Wang X and Ye L: The structural models for the $(2\sqrt{3} \times 2\sqrt{3})R30^\circ$ reconstructions of 3C-SiC(111) and 6H-SiC(0001) surfaces 6953
 Li Y: *see* Chen X M 7013
 Li Y: *see* Li S 3527
 Li Y: *see* Zhang L J 9917
 Li Z and Kosov D S: First-principles calculations of conductance within a plane wave basis set via non-orthogonal Wannier-type atomic orbitals 1347
 Li Z: *see* Zhang X L559
 Li Z-Ya: *see* Cai T-Yi 11347
 Liang D: *see* Chu B S2513
 Liang H: *see* Zeng Q 9549
 Liang J Q: *see* Yin W 9975
 Liang X X: *see* Bao J 8229
 Liang Y and Fang Z: First-principles study of osmium under high pressure 8749
 Liao T, Wang J and Zhou Y: Basal-plane slip

- systems and polymorphic phase transformation in Ti_2AlC and Ti_2AlN : a first-principles study 6183
- Liao T, Wang J and Zhou Y: Superior mechanical properties of Nb_2AsC to those of other layered ternary carbides: a first-principles study L527
- Liao W: *see* Zhou G 9161
- Liblik P: *see* Nakonechnyi S 379
- Lichtenberg F: *see* Thirunavukkuarasu K 9173
- Lichtenstein A I: *see* Lebègue S 6329
- Lidar D A: *see* Woodworth R S721
- Liebig A: *see* Remhof A L441
- Liebsch A: *see* Perroni C A 7063
- Liermann H P: *see* Singh A K S969
- Lijewski S, Goslar J and Hoffmann S K: Electron spin echo of Cu^{2+} in the triglycine sulfate crystal family (TGS, TGSe, TGFB): electron spin–lattice relaxation, Debye temperature and spin–phonon coupling 6159
- Likharev K K: *see* Kinkhabwala Y A 1999
- Likharev K K: *see* Kinkhabwala Y A 2013
- Likharev K K: *see* Kinkhabwala Y A 4895
- Likos C N: *see* Hoffmann N 10193
- Lilly M P: *see* Shailos A 1715
- Lilly M P: *see* Shailos A 3277
- Lim A R and Ichikawa M: Phase transitions of the fast-ion conductor $\text{K}_3\text{H}(\text{SeO}_4)_2$ studied by ^1H and ^{39}K NMR spectroscopy 2173
- Lim A R and Jeong S-Y: ^1H and ^2H NMR relaxation study on the phase transitions of $(\text{NH}_4)_3\text{H}(\text{SO}_4)_2$ and $(\text{ND}_4)_3\text{D}(\text{SO}_4)_2$ single crystals 6759
- Lim S-C: Second harmonic generation of magnetic and dielectric multilayers 4329
- Lim S H: *see* Song S H 11263
- Lin H: *see* Zeng Q 9549
- Lin H H: *see* Hsu H P 5927
- Lin H-J: *see* Pao C W 265
- Lin J J: *see* Le Touze C 9447
- Lin J M: *see* Hsu H P 5927
- Lin J Y: *see* Pan H 5175
- Lin M F: *see* Lee C H 9427
- Lin M F: *see* Li T S 10693
- Lin M F: *see* Lu C L 5849
- Lin M F: *see* Shyu F L 8313
- Lin S: *see* Ou Z Q 11577
- Lin S T: *see* Pao C W 265
- Lin T Y: *see* Shu G W L543
- Lin Y F: *see* Rao A 2955
- Lin Y S: *see* Turos-Matysiak R 10531
- Lin Z F: *see* Chui S T L89
- Lincheneau C: *see* Prasanna de Silva A S1847
- Lindberg M: *see* Binder R 729
- Lindner J: *see* Kebe Th 8791
- Lindsley L: *see* Ooi N 97
- Ling L: *see* Fan W-B 3367
- Lings B, Wark J S, DeCamp M F, Reis D A and Fahy S: Simulations of time-resolved x-ray diffraction in Laue geometry 9231
- Linß W: *see* Hilger I S2951
- Lipowsky R: *see* Dimova R S1151
- Lipowsky R: *see* Shillcock J C S1191
- Lippert R A, Modine N A and Wright A F: The optimized effective potential with finite temperature 4295
- Lips O: *see* Kruk D 1725
- Lira C A: *see* Ramos-Lara F 7951
- Lisunov K G, Arushanov E, Raquet B, Broto J M, Chou F C, Wizen N and Behr G: Hopping conductivity in CaCu_2O_3 single crystals 8541
- Lisunov K G: *see* Laiho R 10291
- Liu B: *see* Geng H 87
- Liu B-G: *see* Zhao Y-H 10259
- Liu B X: *see* Dai X D 4527
- Liu B X: *see* Kong Y 4345
- Liu B X: *see* Tai K P L459
- Liu B X: *see* Wang W C 9911
- Liu C M, Zu X T and Zhou W L: Magnetic interaction in Co-doped SnO_2 nano-crystal powders 6001
- Liu C P and Ding J W: Electronic structure of carbon nanotori: the roles of curvature, hybridization, and disorder 4077
- Liu C S, Luo H G and Wu W C: Pattern formation of indirect excitons in coupled quantum wells 9659
- Liu C S: *see* Wu Y N 4471
- Liu E, Dore J C, Webber J B W, Khushalani D, Jähnert S, Findenegg G H and Hansen T: Neutron diffraction and NMR relaxation studies of structural variation and phase transformations for water/ice in SBA-15 silica: I. The over-filled case 10009
- Liu F: *see* Sun M 10889
- Liu F-S: *see* Tian C-L 8103
- Liu G L: *see* Yan S S 10469
- Liu H Z: *see* Hu J Z S1091
- Liu H-M: *see* Zu F-Q 2817
- Liu J: *see* Long Y W 2421
- Liu J: *see* Wang H 10817
- Liu J F: *see* Lü M F 1601
- Liu J F: *see* Saksl K 7579
- Liu J F: *see* Wang H 10817
- Liu J-M, Dong S, Chan H L W and Choy C L: Time-domain spectrum of dielectric relaxation in relaxor ferroelectrics: Monte Carlo simulation 8973
- Liu J-M: *see* Dong S L171
- Liu J P: *see* Yan S S 10469
- Liu L, Chen S-H, Faraone A, Yen C-W, Mou C-Y, Kolesnikov A I, Mamontov E and Leao J: Quasielastic and inelastic neutron scattering investigation of fragile-to-strong crossover in deeply supercooled water confined in nanoporous silica matrices S2261

- Liu L: *see* Mallamace F [S2285](#)
 Liu L: *see* Wu R Q [569](#)
 Liu L: *see* Zilani M A K [6987](#)
 Liu M: *see* He G L [7841](#)
 Liu M: *see* Müller O [S2623](#)
 Liu P W: *see* Hsu H P [5927](#)
 Liu R S: *see* Paul-Boncour V [6409](#)
 Liu R S: *see* Turos-Matysiak R [10531](#)
 Liu S: *see* He G L [7841](#)
 Liu S: *see* Li S [3527](#)
 Liu X and Furdyna J K: Ferromagnetic resonance in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ dilute magnetic semiconductors [R245](#)
 Liu X: *see* He Y [8707](#)
 Liu X B and Altounian Z: Magnetic states and magnetic transitions in RCO_2 Laves phases [5503](#)
 Liu X-C: *see* Zhang H-W [L477](#)
 Liu X J: *see* Lü M F [1601](#)
 Liu X L: *see* Cong G W [3081](#)
 Liu Y: *see* Jiang L [8563](#)
 Liu Y-J, Chen Y-C, Yang M-F and Gong C-D: Magnetic order of the two-dimensional antiferromagnetic $\frac{1}{4}$ -depleted square lattice [1805](#)
 Liu Y W: *see* Shu G W [L543](#)
 Liu Z and Zhang W: Study of the phonon-polaritons in piezomagnetic superlattices using a generalized transfer matrix method [9083](#)
 Liu Z: *see* Wu Q [9519](#)
 Liu Z J: *see* Wu H Y [6665](#)
 Liu Z L: *see* Zhu L [3325](#)
 Liverpool T B and Müller-Nedebock K K: Counterion correlations and attractions in dense polyelectrolyte solutions [L135](#)
 Lizama C: *see* Munoz R C [3401](#)
 Lizárraga R: *see* Yablonskikh M V [1757](#)
 Lobo C V, Krishna Prasad S and Yelamagad C V: Experimental investigations on weakly polar liquid crystal-aerosil composites [767](#)
 Lobo J and Mascaraque A: Observation of the noble-metal L-gap surface state in $\text{Cu}(311)$ [L395](#)
 Lochab S P: *see* Kumar V [5029](#)
 Lockwood D J: *see* Baribeau J-M [R139](#)
 Loerting T and Giovambattista N: Amorphous ices: experiments and numerical simulations [R919](#)
 Logan D E: *see* Galpin M R [6545](#)
 Logan D E: *see* Galpin M R [6571](#)
 Lograsso T A: *see* Noakes T C Q [5017](#)
 Lohe M A: *see* Thilagam A [3157](#)
 Lohse D: *see* Yang L [S2421](#)
 Loi M A: *see* Capelli R [S2127](#)
 Loidl A: *see* Krug von Nidda H-A [6071](#)
 Loidl A: *see* Nath R [4285](#)
 Lonardelli I: *see* Speziale S [S1007](#)
 Lonardelli I: *see* Wenk H-R [S933](#)
 Long G J, Hermann R P, Grandjean F, Chacon C and Isnard O: A Mössbauer spectral study of the $\text{YCo}_{4-x}\text{Fe}_x\text{B}$ compounds [10765](#)
 Long G J: *see* Piquer C [205](#)
 Long G J: *see* Piquer C [221](#)
 Long H: *see* Chen J [S1049](#)
 Long Y W, Yang L X, You S J, Yu Y, Yu R C, Jin C Q and Liu J: Crystal structural phase transition in CaCrO_4 under high pressure [2421](#)
 Longeville S: *see* Teixeira J [S2353](#)
 Longo F: *see* Crupi V [3563](#)
 Longo R C, Stepanyuk V S and Kirschner J: Elastic adsorbate interactions at the mesoscale [9143](#)
 Lontsi Fomena M: *see* Minisini B [2429](#)
 Loong C-K: *see* de Souza N R [S2321](#)
 Loos J, Hohenadler M, Alvermann A and Fehske H: Phonon spectral function of the Holstein polaron [7299](#)
 Loos J, Hohenadler M and Fehske H: Spectral functions of the spinless Holstein model [2453](#)
 López F J: *see* Bravo D [6655](#)
 López-Echarri A: *see* Ruiz-Larrea I [1649](#)
 López-López M T, Kuzhir P, Lacis S, Bossis G, González-Caballero F and Durán J D G: Magnetorheology for suspensions of solid particles dispersed in ferrofluids [S2803](#)
 Lopez-Rivera S A: *see* Wilks R G [10405](#)
 Lord J S: *see* Bermejo F J [2871](#)
 Lord J S: *see* Cox S F J [1061](#)
 Lord J S: *see* Cox S F J [1079](#)
 Lorente N: *see* Kröger J [S51](#)
 Lorenz M: *see* Holzapfel V [S2581](#)
 Lorenz T: *see* Heyer O [L471](#)
 Loshkareva N N: *see* Melnikov O V [3753](#)
 Louch S: *see* Baker S H [2385](#)
 Louchet F: *see* Latham C D [8859](#)
 Lovesey S W: *see* Mulders A M [11195](#)
 Lovett B W: *see* Benjamin S C [S867](#)
 Lowe C R: *see* Marshall A J [S619](#)
 Löwen H: *see* Chakrabarti J [L81](#)
 Löwen H: *see* Hoffmann N [10193](#)
 Lozada-Cassou M: *see* Odriozola G [S2335](#)
 Lozovik Yu E: *see* Kaputkina N E [S2169](#)
 Lu C: *see* Tan X-M [1705](#)
 Lu C L, Chang C P, Huang Y C, Lu J M, Hwang C C and Lin M F: Low-energy electronic properties of the AB-stacked few-layer graphites [5849](#)
 Lu G: *see* Wu H [7115](#)
 Lu G-H: *see* Zhang Y [5121](#)
 Lu H, Lu R and Zhu B-F: Fano effect through parallel-coupled double Coulomb islands [8961](#)
 Lu H: *see* Chen J [6421](#)
 Lu H: *see* Chen Z-Z [5435](#)

- Lu H-L, Chen W, Ding S-J, Xu M, Zhang D W and Wang L-K: Quantum chemical study of the initial surface reactions in atomic layer deposition of TiN on the SiO₂ surface 5937
- Lu J, Qiao L J, Ma X Q and Chu W Y: Magnetodielectric effect of Bi₆Fe₂Ti₃O₁₈ film under an ultra-low magnetic field 4801
- Lu J G: *see* Cong G W 3081
- Lu J M: *see* Lu C L 5849
- Lu K: *see* Zhong J 2789
- Lu L: *see* Xu X-L 1189
- Lü L: *see* Zhang X L559
- Lu M: *see* Chen J 6421
- Lu M: *see* Fan W-B 3367
- Lü M F, Wang J P, Liu J F, Song W, Hao X F, Zhou D F, Liu X J, Wu Z J and Meng J: An investigation of low-field magnetoresistance in the double perovskites Sr₂Fe_{1-x}Zn_xMoO₆, $x = 0, 0.05, 0.15$ and 0.25 1601
- Lu Q: *see* Sun P 5715
- Lu R: *see* Lu H 8961
- Lü R: *see* Chen Z-Z 5435
- Lu S M: *see* Su W B 6299
- Lucas P: Energy landscape and photoinduced structural changes in chalcogenide glasses 5629
- Luchechko A: *see* Zhydashchikov Ya 5389
- Lücke M: *see* Leschhorn A S2633
- Łuczka J: *see* Machura L 4111
- Lufaso M W, Macquart R B, Lee Y, Vogt T and zur Loye H-C: Structural studies of Sr₂GaSbO₆, Sr₂NiMoO₆, and Sr₂FeNbO₆ using pressure and temperature 8761
- Luisi P L: *see* Stano P S2231
- Lukasiewicz T: *see* Stefaniuk I 4751
- Lukatsky D B, Mulder B M and Frenkel D: Designing ordered DNA-linked nanoparticle assemblies S567
- Lukoyanov A V: *see* Anisimov V I 1695
- Lulli G, Albertazzi E, Balboni S and Colombo L: Defect-induced homogeneous amorphization of silicon: the role of defect structure and population 2077
- Lund A: *see* Sastry M D 4265
- Lundbæk J A: Regulation of membrane protein function by lipid bilayer elasticity—a single molecule technology to measure the bilayer properties experienced by an embedded protein S1305
- Lundgren E, Mikkelsen A, Andersen J N, Kresse Georg, Schmid M and Varga P: Surface oxides on close-packed surfaces of late transition metals R481
- Luo C J: *see* Wang H 10817
- Luo H G: *see* Liu C S 9659
- Luo J L: *see* Zhao S R 8533
- Luo L B: *see* Guo Z P 4381
- Luo S-N, Zheng L and Tschauner O: Solid-state disordering and melting of silica stishovite: the role of defects 659
- Luo Y: *see* Fu Y 9071
- Luo Y-H: *see* Pang X-F 613
- Lupei A, Lupei V, Gheorghe C, Gheorghe L, Vivien D, Aka G and Antic-Fidancev E: Disorder effects in Nd³⁺-doped strontium hexa-aluminate laser crystals 597
- Lupei V: *see* Lupei A 597
- Lushchik A: *see* Nakonechnyi S 379
- Lushchik Ch: *see* Nakonechnyi S 379
- Lüth H: *see* Milekhin A G 5825
- Lutsev L V: Potential barrier for spin-polarized electrons induced by the exchange interaction at the interface in the ferromagnet/semiconductor heterostructure 5881
- Luzar A: *see* Teixeira J S2353
- Lv Z: *see* Huang S 7135
- Lyon S A: *see* Benjamin S C S867
- Lyon S A: *see* Tyryshkin A M S783
- Ma C, Yang Z and Picozzi S: *Ab initio* electronic and magnetic structure in La_{0.66}Sr_{0.33}MnO₃: strain and correlation effects 7717
- Ma C: *see* Sun M 10889
- Ma G: *see* Gao P 11487
- Ma J Y: *see* Bi C Z 2553
- Ma X: *see* Chen J 11131
- Ma X Q: *see* Lu J 4801
- Ma Y, Selvi E, Levitas V I and Hashemi J: Effect of shear strain on the α - ϵ phase transition of iron: a new approach in the rotational diamond anvil cell S1075
- Ma Y: *see* Zhang J-J 837
- Ma Y M: *see* Zhang L J 9917
- MacCallum J L: *see* Tieleman D P S1221
- Macdonald J R: Surprising conductive- and dielectric-system dispersion differences and similarities for two Kohrausch-related relaxation-time distributions 629
- Machon D, Bouvier P, Tolédano P and Weber H-P: Raman spectroscopy of Cs₂HgBr₄ at high pressure: effect of hydrostaticity 3443
- Machura L, Kostur M, Marchesoni F, Talkner P, Hänggi P and Łuczka J: Optimal strategy for controlling transport in inertial Brownian motors 4111
- Maciag A: *see* Wróbel P 1249
- Maciag A: *see* Wróbel P 9749
- Maciolek A: *see* Drzewiński A 5069
- MacKintosh F C: *see* Gordon V D L415
- Macquart R B: *see* Lufaso M W 8761
- Mączka M, Sieradzki A, Poprawski R, Hermanowicz K and Hanuza J: Lattice dynamics calculations and temperature dependence of vibrational modes of ferroelastic Li₂TiGeO₅ 2137

- Madsen J U: *see* Cotterill R M J 6507
- Maeshima N, Okunishi K, Okamoto K, Sakai T and Yonemitsu K: Possibility of field-induced incommensurate order in a quasi-one-dimensional frustrated spin system 4819
- Magalhães S G, Zimmer F M and Coqblin B: Quantum critical point in the spin glass–antiferromagnetism competition in Kondo lattice systems 3479
- Magen C: *see* Ritter C 3937
- Magnano E: *see* Bondino F 5773
- Magnus W: *see* Slachmuylders A F 3951
- Magonov S: *see* Fogg J M S145
- Mahajan A V: *see* Nath R 4285
- Mahamuni S R: *see* Dadge J W 5405
- Mahanti S D: *see* Rajagopal A K 10677
- Mahmoodi T: *see* Payami M 75
- Maignan A, Raveau B, Hébert S, Pralong V, Caignaert V and Pelloquin D: Re-entrant metallicity and magnetoresistance induced by Ce for Sr substitution in $\text{SrCoO}_{3-\delta}$ 4305
- Maignan A: *see* Markovich V 9201
- Maignan A: *see* Motohashi T 2157
- Mailänder V: *see* Holzapfel V S2581
- Main C: *see* Merazga A 3721
- Maishev V A: *see* Bellucci S S2083
- Maiti S K, Chowdhury J and Karmakar S N: Enhancement of persistent current in mesoscopic rings and cylinders: shortest and next possible shortest higher-order hopping 5349
- Majolino D: *see* Crupi V 3563
- Majtyka M and Kłos J: Computer simulations of dendrimers with charged terminal groups 3581
- Makovicky E: *see* Grzechnik A 2915
- Maksimov O: *see* Pagès O 577
- Malcherek T: *see* Marinova V L385
- Maldonado A: *see* Castañeda L 5105
- Malik S K: *see* Bhatia S N 7179
- Malik S K: *see* Singh N K 10775
- Malinovsky V K: *see* Surovtsev N V 4763
- Malinowska-Adamska C, Słoma P and Tomaszewski J: Physical properties of Ni fcc lattice in terms of the self-consistent phonon theory 751
- Malinowski G, Hehn M and Panissod P: Impact of the interface magnetic disorder on the exchange bias between ferromagnetic and antiferromagnetic layers 3385
- Malinowski M: *see* Gryk W 117
- Malits P: *see* Lembrikov B I 3817
- Malkin B Z: *see* Savinkov A V 6337
- Mallamace F, Broccio M, Corsaro C, Faraone A, Liu L, Mou C-Y and Chen S-H: Dynamical properties of confined supercooled water: an NMR study S2285
- Mallik K: *see* Chong L H 645
- Malyarenko A M: *see* Bagraev N T L567
- Mamchik A: *see* Shuba S 9215
- Mamontov E: *see* Liu L S2261
- Manaka H: *see* Ishizuka M 2935
- Manaselyan A Kh: *see* Barseghyan M G S2161
- Mancini A: *see* Santoni A 10853
- Mandal S S and Mukherjee S P: Spin analogue of the controlled Josephson charge current L593
- Mandal S S: *see* Sensharma A 7349
- Mandal T K: *see* Thakur M 9093
- Manekar M, Chattopadhyay M K, Kaul R, Pecharsky V K and Gschneidner Jr K A: Training effects in Gd_5Ge_4 : role of microstructure 6017
- Mannella N: *see* Yang S-H L259
- Manninen M: *see* Singha Deo P 5313
- Manuel P: *see* Al-Jawad M 1449
- Manzhelii V G: *see* Konstantinov V A 9901
- Mao H-K, Badro J, Shu J, Hemley R J and Singh A K: Strength, anisotropy, and preferred orientation of solid argon at high pressures S963
- Mao H K: *see* Hu J Z S1091
- Mao H K: *see* Meng Y S1097
- Mao H-K: *see* Mao W L S1069
- Mao H K: *see* Singh A K S969
- Mao W L and Mao H-K: Ultrahigh-pressure experiment with a motor-driven diamond anvil cell S1069
- Mar R E: *see* Dunlap R A 4907
- Marín J H, Betancur F J and Mikhailov I D: Effect of magnetic field on the formation of D^- ions in lens-shape quantum dots 1005
- Marín J H: *see* Mikhailov I D 9493
- Maraşlı N: *see* Akbulut S 8403
- Marageh M G: *see* Mousazadeh M H 4793
- Marangolo M: *see* Varalda J 9105
- Marcelli A: *see* Balasubramanian C S2095
- Marchesoni F: *see* Machura L 4111
- Marchetti B: *see* Fanfoni M 8093
- Marchetti M: *see* Galfetti L S1991
- Marchuk I: *see* Paul-Boncour V 6409
- Marconi M: *see* Paciaroni A S2029
- Marcus P M: *see* Jona F 4623
- Marcus P M: *see* Jona F 10881
- Marenduzzo D: *see* Burroughs N J S357
- Marguta R G, Martín del Río E and de Miguel E: Revisiting McMillan's theory of the smectic A phase 10335
- Marin C: *see* Glazkov V N L429
- Marinescu D C: *see* Moca C P 127
- Marinova V, Mihailova B, Malcherek T, Paulmann C, Lengyel K, Kovacs L, Veleva M, Gospodinov M, Güttler B, Stosch R and Bismayer U: Structural, optical and dielectric properties of relaxor-ferroelectric $\text{Pb}_{0.78}\text{Ba}_{0.22}\text{Sc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ L385

- Maritan A: *see* Hoang T X [S297](#)
Maritan A: *see* Lezon T R [847](#)
Márk G I: *see* Tapasztó L [5793](#)
Markel V A: Anderson localization of polar eigenmodes in random planar composites [11149](#)
Markovich V, Fita I, Puzniak R, Martin C, Wisniewski A, Hébert S, Maignan A and Gorodetsky G: Pressure effect on the magnetic properties of electron-doped $\text{Sm}_{0.1}\text{Ca}_{0.9-y}\text{Sr}_y\text{MnO}_3$ ($y = 0-0.3$) manganites [9201](#)
Marletta A: *see* Anjos V [8715](#)
Maroun F: *see* Allongue P [S97](#)
Marra G: *see* Galfetti L [S1991](#)
Marrows C H, Perez M and Hickey B J: Finite size scaling effects in giant magnetoresistance multilayers [243](#)
Marsal Astort M: *see* Staia M H [S1727](#)
Marshall A J, Kabilan S, Blyth J and Lowe C R: Analyte-responsive holograms for (bio)chemical analysis [S619](#)
Marshall W G: *see* Grzechnik A [3017](#)
Marsman M: *see* Futschek T [9703](#)
Marsman M: *see* Petersen M [7021](#)
Martellucci S, Bellecci C, Francucci M, Gaudio P, Richetta M, Toscano D, Rydzy A, Gelfusa M and Ciuffa P: Soft x-ray generation by a tabletop Nd:YAG/glass laser system [S2039](#)
Martín A: *see* Bravo D [6655](#)
Martin C: *see* Markovich V [9201](#)
Martin K N, de Groot P A J, Rainford B D, Wang K, Bowden G J, Zimmermann J P and Fangohr H: Magnetic anisotropy in the cubic Laves REFe_2 intermetallic compounds [459](#)
Martin K N: *see* Bowden G J [5861](#)
Martín del Río E: *see* Marguta R G [10335](#)
Martin Gago J A: *see* Vericat C [R867](#)
Martinet C: *see* Pillonnet A [10043](#)
Martínez E: *see* Mata J [10509](#)
Martínez I and Durandurdu M: *Ab initio* molecular dynamics study of pressure-induced phase transition in ZnS [9483](#)
Martínez J L: *see* Jiménez-Melero E [7893](#)
Martínez V: *see* Le Parc R [7507](#)
Martínez-García R, Knobel M and Reguera E: Modification of the magnetic properties in molecular magnets based on Prussian blue analogues through adsorbed species [11243](#)
Martínez-Lope M J: *see* Falcón H [6841](#)
Martino G, Pistone G, Savasta S, Di Stefano O and Girlanda R: Spatially resolved photoluminescence in quantum wells with interface roughness: a theoretical description [2367](#)
Martoňák R: *see* Baltazar S E [9119](#)
Marty K: *see* Bordet P [5147](#)
Marty O: *see* Pillonnet A [10043](#)
Marušić L, Despoja V and Šunjić M: Surface plasmon and electron-hole structures in the excitation spectra of thin films [4253](#)
Marušić L: *see* Despoja V [8217](#)
Marzari N: *see* Walker B G [L269](#)
Mascaraque A: *see* Lobo J [L395](#)
Mascher P: *see* Pi X D [9943](#)
Mase K: *see* Kobayashi E [S1389](#)
Mason P E, Ansell S and Neilson G W: Neutron diffraction studies of electrolytes in null water: a direct determination of the first hydration zone of ions [8437](#)
Mason T G, Wilking J N, Meleson K, Chang C B and Graves S M: Nanoemulsions: formation, structure, and physical properties [R635](#)
Masuda-Jindo K: *see* Hung V V [283](#)
Masui Y: *see* Yamaga M [6033](#)
Mata J, Durán A, Martínez E, Escamilla R, Heiras J and Siqueiros J M: Crystal structure and relaxor-type transition in $\text{SrBi}_2\text{Ta}_2\text{O}_9$ doped with praseodymium [10509](#)
Mata J: *see* Campa-Molina J [4827](#)
Matano K: *see* Zheng G-Q [L63](#)
Matar A: *see* El-Hagary M [4567](#)
Matar S F: *see* Chevalier B [6045](#)
Mathiak G: *see* Pozdnyakova I [6469](#)
Matkovskii A: *see* Stefaniuk I [4751](#)
Matos M and Oliveira R B: A theoretical investigation of electron-lattice interaction on Fe warwickites [8267](#)
Matos M and Walmsley L: Cation-oxygen interaction and oxygen stability in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ and $\text{CdCu}_3\text{Ti}_4\text{O}_{12}$ lattices [1793](#)
Matoussevitch N: *see* Behrens S [S2543](#)
Matović B: *see* Dohčević-Mitrović Z D [S2061](#)
Matsuda K, Hiroi M and Kawakami M: Magnetic properties of Heusler alloys $\text{Ru}_{2-x}\text{Fe}_x\text{CrSi}$ [1837](#)
Matsuda K: *see* Okada J T [L613](#)
Matsuda T D: *see* Honda F [479](#)
Matsuda Y, Izawa K and Vekhter I: Nodal structure of unconventional superconductors probed by angle resolved thermal transport measurements [R705](#)
Matsuhira K: *see* Sato H [L297](#)
Matsumoto I: *see* Yano K [6891](#)
Matsumoto M: *see* Tokii M [3639](#)
Matsumoto Y: *see* Wada S-I [S1629](#)
Matthes A: *see* Erdem E [3861](#)
Matthies G: *see* Lavrova O [S2657](#)
Mattila A: *see* Soininen J A [7327](#)
Mattoso N: *see* de Moraes A R [1165](#)
Mattsson T R: *see* Kietzmann A [5597](#)
Matshita M: *see* Yasuda N [7659](#)
Matyjasek K and Rogowski R Z: Slow polarization relaxation in non-uniform telluric acid ammonium phosphate crystals [7687](#)
Matzen G: *see* Pozdnyakova I [6469](#)

- Mauger A: *see* Viennois R 5371
Mavinkurve R G: *see* Sarangi S L143
Maxwell M: *see* Han Z H 2273
May S: *see* Hinderliter A S1257
Mayers J: *see* Cowley R A 5291
Mayne A J: *see* Comtet G S1927
Mazaleyrat F: *see* Chakrabarti P K 5253
Mazzaro I: *see* Varalda J 9105
Mazzone D: *see* Perry L K 5783
McCallum R W: *see* Qu W 8935
McClenaghan N D: *see*
Prasanna de Silva A S1847
McConville C F: *see* Noakes T C Q 5017
McGilp J F: *see* Chandola S 6979
McGrath R: *see* Noakes T C Q 5017
McKenzie D R: *see* Houska J 2337
McKenzie R H: *see* Powell B J R827
McLeish T C B: Diffusive searches in
high-dimensional spaces and apparent
'two-state' behaviour in protein folding 1861
McNallan M: *see* Lee A S1763
Mead R N: *see* Clark E B 6815
Mead R N: *see* Thomas B W M 4697
Méasson M-A: *see* Derr J 2089
Meda L: *see* Galfetti L S1991
Medycki W: *see* Czupiński O 3307
Medycki W: *see* Kulicka B 5087
Meftah A F, Meftah A M and Belghachi A:
Computer simulation of the a-Si:H p-i-n
solar cell performance sensitivity to the free
carrier's mobilities, the capture cross sections
and the density of gap states 9435
Meftah A F: *see* Meftah A M 5459
Meftah A M, Meftah A F and Merazga A:
Numerical simulation and analysis of the dark
and illuminated J - V characteristics of a-Si-H
p-i-n diodes 5459
Meftah A M: *see* Meftah A F 9435
Mehmood F, Stolbov S and Rahman T S: C and S
induce changes in the electronic and
geometric structure of Pd(533) and
Pd(320) 8015
Mei L M: *see* Yan S S 10469
Meier P F: *see* Bersier C 7481
Meijers R J: *see* Milekhin A G 5825
Meleson K: *see* Mason T G R635
Mellander B-E: *see* Ortiz E 9561
Mellouki A: *see* Kalarasse F 7237
Melnikov O V, Sukhorukov Yu P, Telegin A V,
Gan'shina E A, Loshkareva N N, Kaul A R,
Gorbenko O Yu, Vinogradov A N and
Smoljak I B: The evolution of
magneto-transport and magneto-optical
properties of thin $\text{La}_{0.8}\text{Ag}_{0.1}\text{MnO}_{3+\delta}$ films
possessing the in-plane variant structure as a
function of the film thickness 3753
Melpignano P: *see* Caria S S2139
Meltchakov E, Vidal V, Faik H, Casanove M-J
and Vidal B: Performance of multilayer
coatings in relationship to microstructure of
metal layers. Characterization and optical
properties of Mo/Si multilayers in extreme
ultra-violet and x-ray ranges 3355
Mendiratta S K: *see* Bhohe P A 10843
Mendoza-Álvarez J G: *see* Díaz-Reyes J 10861
Menéndez-Proupin E, Cabo-Bizet N G and
Trallero-Giner C: Exciton-phonon complexes
and optical properties in CdSe
nanocrystals 7283
Ménétrier M: *see* Chevalier B 6045
Meng J: *see* Lü M F 1601
Meng R L: *see* Zheng G-Q L63
Meng S: *see* Yang Y 10165
Meng T, Wang C-Y and Wang S-Y:
First-principles study of the interactions of Ti
and Zr with the tips of open-ended single-wall
carbon nanotubes 10521
Meng Y, Shen G and Mao H K: Double-sided
laser heating system at HPCAT for *in situ*
x-ray diffraction at high pressures and high
temperatures S1097
Menon C S: *see* Samuel M 135
Menzel D: *see* Shaporenko A S1677
Merazga A, Tobbeche S, Main C, Al-Shahrani A
and Reynolds S: Numerical simulation of the
steady state photoconductivity in
hydrogenated amorphous silicon including
localized state electron hopping 3721
Merazga A: *see* Meftah A M 5459
Mériguet G, Dubois E, Dupuis V and
Perzynski R: Rotational arrest in a repulsive
colloidal glass 10119
Mériguet G, Dubois E, Jardat M, Bourdon A,
Demouchy G, Dupuis V, Farago B,
Perzynski R and Turq P: Understanding the
structure and the dynamics of magnetic fluids:
coupling of experiment and simulation S2685
Merino R I: *see* Blasco J 2261
Merkel S: X-ray diffraction evaluation of stress in
high pressure deformation experiments S949
Merkel S: *see* Miyagi L S995
Merkel S: *see* Wenk H-R S933
Mertig M: *see* Vyalikh D V S131
Mese E: *see* Savran K 345
Messina F and Cannas M: Photochemical
generation of E' centres from Si-H in
amorphous SiO_2 under pulsed ultraviolet laser
radiation 9967
Mestnik-Filho J: *see* Lalić M V 1619
Metoki N: *see* Bernhoeft N 5961
Metoki N: *see* Hiess A R437
Metoki N: *see* Honda F 479
Meydani F: *see* Saatçi B 10643
Meyer zu Heringdorf F-J: Analysis of mesoscopic
patterns formed by the Au-induced faceting of
vicinal Si(001) S1

- Meza J C: *see* Zhao Z 8693
- Michele O, Hesse J and Bremers H:
Magnetization measurements on frozen ferrofluids: an attempt to separate interaction and anisotropy influences 4921
- Micheletti C: *see* Toan N M S269
- Michez L A, Hickey B J, Shatz S and Wisner N:
Magnetoresistance of magnetic multilayers: a phenomenological approach 4641
- Michioka C: *see* Kato M 669
- Michor H: *see* El-Hagary M 4567
- Michor H: *see* Gribanov A 9593
- Micoulaut M, Cormier L and Henderson G S: The structure of amorphous, crystalline and liquid GeO₂ R753
- Mihailova B: *see* Marinova V L385
- Mihesan C: *see* Focsa C S1357
- Mihut L: *see* Preda N 8899
- Miüller W: *see* Tran V H 10353
- Mikhailov I D, García L F and Marín J H: Effect of wetting layer on electron–hole correlation in quantum discs and rings 9493
- Mikhailov I D: *see* Marín J H 1005
- Mikkelsen A: *see* Lundgren E R481
- Milano J: *see* Varalda J 9105
- Milekhin A G, Meijers R J, Richter T, Calarco R, Montanari S, Lüth H, Paez Sierra B A and Zahn D R T: Raman scattering study of GaN nanostructures obtained by bottom-up and top-down approaches 5825
- Miletto Granozio F: *see* Di Capua R 8195
- Millen R P: *see* Fábregas I O 7863
- Mills A P Jr: *see* Tanaka H K M 8581
- Milman V: *see* Wiehl L 11067
- Milošević I and Damjanović M: Symmetry of rolled-up rectangular lattice nanotubes 8139
- Milošević I, Stevanović V, Tronc P and Damjanović M: Symmetry of zinc oxide nanostructures 1939
- Milosevic O: *see* Wang Y 9257
- Min B I: *see* Han S W 7413
- Min B I: *see* Kim K 7227
- Minamiguchi M: *see* Ichimiya M 1967
- Minamikawa H: *see* Fujima T 3089
- Ming N-B: *see* Wu Z 5425
- Minh Hanh P T: *see* Hung V V 283
- Minisini B, El Hadj L, Lontsi Fomena M, Van Garderen N and Tsobnang F: A density functional study of the pressure induced phase transition in LiYF₄ 2429
- Mira J: *see* Castro-Couceiro A 3803
- Miranda J G V: *see* de Assis T A 3393
- Miranowicz A: *see* Hirayama Y S885
- Miserque F: *see* Abdelouahdi K 1913
- Misewich J A: *see* Panessa-Warren B J S2185
- Mishra S K, Ranjan R, Pandey D and Stokes H T: Resolving the controversies about the ‘nearly cubic’ and other phases of Sr_{1-x}Ca_xTiO₃ (0 ≤ x ≤ 1): I. Room temperature structures 1885
- Mishra S K, Ranjan R, Pandey D, Ranson P, Ouillon R, Pinan-Lucarre J-P and Pruzan P: Resolving the controversies about the ‘nearly cubic’ and other phases of Sr_{1-x}Ca_xTiO₃ (0 ≤ x ≤ 1): II. Comparison of phase transition behaviours for x = 0.40 and 0.43 1899
- Mishra S N: *see* Srivastava S K 9463
- Misiorek H: *see* Mucha J 3097
- Misochko O V, Ishioka K, Hase Muneaki and Kitajima M: Fully symmetric and doubly degenerate coherent phonons in semimetals at low temperature and high excitation: similarities and differences 10571
- Mita Y, Takebe K, Kobayashi M, Endo S and Tominaga Y: Temperature and pressure studies of Raman peaks related to hydrogen modes in KDP 5185
- Mitani H, Hayashi T, Mizuno S and Tochiwara H: Origin of arc shape of LEED streaks on Li adsorbed on Cu(001) surface at lower coverage 5057
- Mitchell J F: *see* Wilkins S B L323
- Mitkova T: *see* Lavrova O S2657
- Mittal R: *see* Rao M N 6431
- Mittendorfer F: *see* Termentzidis K 10825
- Miyagi L, Merkel S, Yagi T, Sata N, Ohishi Y and Wenk H-R: Quantitative Rietveld texture analysis of CaSiO₃ perovskite deformed in a diamond anvil cell S995
- Miyagi L: *see* Speziale S S1007
- Miyagi L: *see* Wenk H-R S933
- Mizel A: *see* Woodworth R S721
- Mizuno S: *see* Mitani H 5057
- Mizushima T: *see* Sun P 5715
- Moca C P and Marinescu D C: Longitudinal and spin Hall conductance of a one-dimensional Aharonov–Bohm ring 127
- Mochena M: *see* Feng S-S 1441
- Modi K B: *see* Vasoya N H 8063
- Modine N A: *see* Lippert R A 4295
- Modrow H: *see* Behrens S S2543
- Modrow H: *see* Olimov Kh 5135
- Moewes A: *see* Chang G S 4243
- Moewes A: *see* Wilks R G 10405
- Moewes A: *see* Yablonskikh M V 1757
- Mohapatra N: *see* Bhatia S N 7179
- Mohler E: *see* Hummel A B 2487
- Mohn P: *see* Khmelevska T 6677
- Mohottala H E: *see* Han Z H 2273
- Molin D, Barbieri A and Leporini D: Accurate excluded-volume corrections to the single-chain static properties of a melt of unentangled polymers 7543
- Moliné P: *see* Ammar S 9055
- Molodtsov S L: *see* Vyalikh D V S131

- Molteni C: *see* Walker B G [L269](#)
- Moncada A M: *see* Munoz R C [3401](#)
- Monceau P: *see* Nad F [L509](#)
- Moncorgé R: *see* Boulma E [6721](#)
- Mondal P, Bhattacharya D and Choudhury P:
Dielectric anomaly at the orbital
order–disorder transition in $\text{LaMnO}_{3+\delta}$ [6869](#)
- Mondelli C: *see* Gutierrez J [9951](#)
- Monduzzi M: *see* Angius R [S2203](#)
- Monod P: *see* Orlova T S [6729](#)
- Monroe C W, Daikhin L I, Urbakh M and
Kornyshev A A: Principles of electrowetting
with two immiscible electrolytic
solutions [2837](#)
- Montù Scolaro L: *see* Silipigni L [5759](#)
- Montaigne F: *see* Tiusan C [941](#)
- Montanari S: *see* Milekhin A G [5825](#)
- Monteiro J H: *see* Bhobe P A [10843](#)
- Monticelli L, Simões C, Belvisi L and
Colombo G: Assessing the influence of
electrostatic schemes on molecular dynamics
simulations of secondary structure forming
peptides [S329](#)
- Monticelli L: *see* Tieleman D P [S1221](#)
- Moodenbaugh A R: *see* Lewis L H [1677](#)
- Mookerjee A: *see* Alam A [4589](#)
- Moore A L: *see* Zhou F [9651](#)
- Moradian R: Effective medium super-cell
approximation for interacting disordered
systems: an alternative real-space derivation
of generalized dynamical cluster
approximation [507](#)
- Moraga L: *see* Munoz R C [3401](#)
- Morales A L: *see* Barrero C A [6827](#)
- Morales J R: *see* Munoz R C [3401](#)
- Morales-Saavedra O G: *see* Castañeda L [5105](#)
- Moreira R L: *see* Silva E N [2511](#)
- Morellon L: *see* Ritter C [3937](#)
- Moreno A J: *see* Zaccarelli E [S2373](#)
- Moreno M, Barriuso M T, Aramburu J A,
García-Fernández P and García-Lastra J M:
Microscopic insight into properties and
electronic instabilities of impurities in cubic
and lower symmetry insulators: the influence
of pressure [R315](#)
- Moreno M: *see* García-Lastra J M [1519](#)
- Moresco F: *see* Grill L [S1887](#)
- Morgenstern Horing N J, Glasser M L and
Dong B: Dynamic and statistical
thermodynamic properties of electrons in a
thin quantum well in a parallel magnetic
field [2573](#)
- Morgner H: *see* Schulze K D [9823](#)
- Moriarty P: *see* Humphry M J [S1837](#)
- Morkel C: *see* Pilgrim W-C [R585](#)
- Morkoc H: *see* Tsen K T [7961](#)
- Morley N A, Gibbs M R J, Ahmad E, Will I G and
Xu Y B: Anisotropies and magnetostriction
constants of epitaxial Co films on GaAs(100)
substrates [8781](#)
- Morniroli J P: *see* Guillaume C [8651](#)
- Morosan E: *see* Samolyuk G D [1473](#)
- Mortier M: *see* Dantelle G [7905](#)
- Morton J J L: *see* Benjamin S C [S867](#)
- Morton J J L: *see* Tyryshkin A M [S783](#)
- Mørup S: *see* Bahl C R H [4161](#)
- Mørup S: *see* Bahl C R H [11203](#)
- Mørup S: *see* Frandsen C [7079](#)
- Mosca D H: *see* de Moraes A R [1165](#)
- Mosca D H: *see* Varalda J [9105](#)
- Moss S C: *see* Pozdnyakova I [6469](#)
- Mosser G: *see* Belamie E [S115](#)
- Mota F B, Nascimento V B and de Castilho M C:
Ab initio electronic and structural properties
of clean and hydrogen saturated
 β -SiC(100)(3×2) surfaces [7505](#)
- Mota F de B: *see* de Assis T A [3393](#)
- Motohashi T, Raveau B, Hervieu M, Maignan A,
Pralong V, Nguyen N and Caignaert V:
Enhancement of giant magnetoresistance
effect in the Ruddlesden–Popper phase
 $\text{Sr}_3\text{Fe}_{2-x}\text{Co}_x\text{O}_{7-\delta}$: predominant role of
oxygen nonstoichiometry and magnetic phase
separation [2157](#)
- Mou C-Y: *see* Liu L [S2261](#)
- Mou C-Y: *see* Mallamace F [S2285](#)
- Moudgil R K: Coupled electron–hole quantum
well structure: mass asymmetry and finite
width effects [1285](#)
- Moumeni H: *see* Azzaza S [7257](#)
- Mountjoy G: *see* Clark E B [6815](#)
- Mountjoy G: *see* Thomas B W M [4697](#)
- Mouritsen O G, Andresen T L, Halperin A,
Hansen PL, Jakobsen A F, Jensen U B,
Jensen M Ø, Jørgensen K, Kaasgaard T,
Leidy C, Simonsen A C, Peters G H and
Weiss M: Activation of interfacial enzymes at
membrane surfaces [S1293](#)
- Mousazadeh M H and Marageh M G: A perturbed
Lennard-Jones chain equation of state for
liquid metals [4793](#)
- Mozzati M C: *see* Sangaletti L [7643](#)
- Mryglod I: *see* Patsahan O [10223](#)
- Muccini M: *see* Capelli R [S2127](#)
- Mucha J: Thermal conductivity of REIn_3
compounds [1427](#)
- Mucha J, Misiorek H, Troć R and Bukowski Z:
Thermal conductivity of $\text{UNi}_{0.5}\text{Sb}_2$ single
crystal [3097](#)
- Mücklich A: *see* Stromberg F [9881](#)
- Muduli P K, Friedland K-J, Herfort J,
Schönherr H-P and Ploog K H: Investigation
of magnetic anisotropy and magnetization
reversal by planar Hall effect in Fe_3Si and Fe
films grown on GaAs(113)A substrates [9453](#)
- Mugarza A, Schiller F, Kuntze J, Cordón J,

- Ruiz-Osés M and Ortega J E: Modelling nanostructures with vicinal surfaces [S27](#)
- Mühlberg M: *see* Schreuer J [10977](#)
- Mukherjee M: *see* Mukherjee S [11233](#)
- Mukherjee S and Mukherjee M: Nitrogen-mediated interaction in polyacrylamide–silver nanocomposites [11233](#)
- Mukherjee S P: *see* Mandal S S [L593](#)
- Mukhin A A: *see* Jandl S [1667](#)
- Mukhopadhyay P K: *see* Chakrabarti P K [5253](#)
- Mulder B M: *see* Lukatsky D B [S567](#)
- Mulder B M: *see* Wessels P P F [9335](#)
- Mulder B M: *see* Wessels P P F [9359](#)
- Mulders A M, Staub U, Scagnoli V, Lovesey S W, Balcar E, Nakamura T, Kikkawa A, van der Laan G and Tonnerre J M: High-order Dy multipole motifs observed in DyB₂C₂ with resonant soft x-ray Bragg diffraction [11195](#)
- Müller C: *see* Gillingham D M [9135](#)
- Müller K-H: *see* Ghosh N [557](#)
- Müller M: Comment on "The electron glass in a switchable mirror: relaxation, ageing and universality" [1833](#)
- Müller M: *see* Albano E V [2761](#)
- Müller O, Hahn D and Liu M: Non-Newtonian behaviour in ferrofluids and magnetization relaxation [S2623](#)
- Müller R, Hergt R, Dutz S, Zeisberger M and Gawalek W: Nanocrystalline iron oxide and Ba ferrite particles in the superparamagnetism–ferromagnetism transition range with ferrofluid applications [S2527](#)
- Müller R: *see* Erhart P [6585](#)
- Müller R: *see* Hergt R [S2919](#)
- Müller-Hartmann E: *see* Craco L [10943](#)
- Müller-Nedebock K K: *see* Liverpool T B [L135](#)
- Mun B S: *see* Yang S-H [L259](#)
- Munarin F F: *see* Ferreira W P [9385](#)
- Munawar I and Curnoe S H: Theory of magnetic phases of hexagonal rare earth manganites [9575](#)
- Munehisa T and Munehisa Y: The stochastic state selection method combined with the Lanczos approach to eigenvalues in quantum spin systems [2327](#)
- Munehisa Y: *see* Munehisa T [2327](#)
- Munekata H: *see* Wang J [R501](#)
- Munoz R C, Henríquez R, García J P, Moncada A M, Espinosa A, Robles M, Kremer G, Moraga L, Cancino S, Morales J R, Ramírez A, Oyarzún S, Suárez M A, Chen D, Zumelzu E and Lizama C: Size effects under a strong magnetic field: transverse magnetoresistance of thin gold films deposited on mica [3401](#)
- Munro W J: *see* Spiller T P [V1](#)
- Muradov M I: *see* Gurevich V L [11217](#)
- Muraki K: *see* Hirayama Y [S885](#)
- Muralidharan R: *see* Dhamodaran S [4135](#)
- Muramatsu A: *see* Foussats A [11411](#)
- Murani A P: *see* Gutierrez J [9951](#)
- Murashova E: *see* Gribov A [9593](#)
- Murgia M: *see* Capelli R [S2127](#)
- Murgia M: *see* Caria S [S2139](#)
- Murgia S: *see* Angius R [S2203](#)
- Muro Y, Nakamura H and Kohara T: The pseudogap and anisotropic thermal expansion in RMn₄Al₈ (R = La, Y, Lu and Sc) [3931](#)
- Murugaraj P: *see* Pattabiraman M [11081](#)
- Murugavel P, Padhan P and Prellier W: Effect of oxygen pressure on the interface related magnetic and transport properties of La_{0.7}Sr_{0.3}MnO₃/BaTiO₃ superlattices [3377](#)
- Music D and Schneider J M: Electronic structure and elastic properties of Y_{n+1}Co_{3n+5}B_{2n} (n = 1, 2, 3, ∞) [4071](#)
- Music D, Sun Z, Ahuja R and Schneider J M: Electronic structure of M₂AlC(0001) surfaces (M = Ti, V, Cr) [8877](#)
- Music D, Sun Z, Voevodin A A and Schneider J M: *Ab initio* study of basal slip in Nb₂AlC [4389](#)
- Mütter K-H: *see* Fledderjohann A [4935](#)
- Mydosh J A: *see* Bondino F [5773](#)
- Mydosh J A: *see* Heyer O [L471](#)
- Mylnikova A S: *see* Anisimov V I [1695](#)
- Myoung J-M: *see* Ham M-H [7703](#)
- Nad F, Monceau P and Yamamoto H M: Dielectric response in the charge-ordered θ -(BEDT-TTF)₂RbZn(SCN)₄ organic compound [L509](#)
- Nadarajah S and Kotz S: Comment on a paper by Hashimoto *et al* (2005) [2933](#)
- Nagaoka S-I: *see* Kobayashi E [S1389](#)
- Nagel M, Först M and Kurz H: THz biosensing devices: fundamentals and technology [S601](#)
- Nagel S: *see* Aurich K [S2847](#)
- Nagel S: *see* Glöckl G [S2935](#)
- Nair G G, Hegde G, Prasad S K and Negi Y S: Investigations of the opto-dielectric effects in the vicinity of the smectic-A–smectic-C_A transition [9415](#)
- Nakamori W: *see* Doi Y [333](#)
- Nakamura H: *see* Muro Y [3931](#)
- Nakamura R: *see* Watanabe K [8427](#)
- Nakamura R: *see* Watanabe K [9375](#)
- Nakamura T: *see* Mulders A M [11195](#)
- Nakanishi H: *see* David M [1137](#)
- Nakano H: *see* Takahashi Y [521](#)
- Nakano S: *see* Olijnyk H [10971](#)
- Nakatani T: *see* Takahashi M [5745](#)
- Nakonechnyi S, Kärner T, Lushchik A, Lushchik Ch, Babin V, Feldbach E,

- Kudryavtseva I, Liblik P, Pung L and Vasil'chenko E: Low-temperature excitonic, electron-hole and interstitial-vacancy processes in LiF single crystals 379
- Naletova V A: *see* Zimmermann K S2973
- Nambu A: *see* Kobayashi E S1389
- Nambu A: *see* Yang S-H L259
- Nanao S: *see* Okada J T 7203
- Nanao S: *see* Okada J T L613
- Nango T: *see* Ito T 6009
- Nanishi Y: *see* Sonoda S 4615
- Napoletano M: *see* Perry L K 5783
- Nardi E and Tombrello T A: Charge state of C₁₀ and C₅ energetic cluster ions in amorphous carbon targets: simulations 11357
- Narducci R: *see* Paciaroni A S2029
- Naritomi M: *see* David M 1137
- Narlikar A V: *see* Lal R 2563
- Nascimento V B: *see* Mota F B 7505
- Nath B K: *see* Chakrabarti P K 5253
- Nath R, Mahajan A V, Büttgen N, Kegler C, Hemberger J and Loidl A: ³¹P NMR study of Na₂CuP₂O₇: an S = 1/2 two dimensional Heisenberg antiferromagnetic system 4285
- Natkaniec I: *see* Fedotov V K 1593
- Natoli C R: *see* Sébilleau D R175
- Nattland D: *see* Bartel K 3535
- Naumov I: *see* Landa A 5079
- Nazmitdinov R G: *see* Sandalov I L55
- Nedeoglo D D: *see* Nedeoglo N D 8113
- Nedeoglo N D, Sirkeli V P, Nedeoglo D D, Laiho R and Lähderanta E: Electron configuration and charge state of electrically active Cu, Ag and Au ions in ZnSe 8113
- Needleman D J: *see* Raviv U S1271
- Neef M, Doll K and Zwicky G: Structural, electronic, and magnetic properties of FeSi: hybrid functionals and non-local exchange 7437
- Néel N: *see* Kröger J S51
- Negi Y S: *see* Nair G G 9415
- Negm S: *see* El-Brollosy T A 4189
- Neilson G W: *see* Mason P E 8437
- Nekrasov I A: *see* Anisimov V I 1695
- Nelson C S, Kolagani R M, Overby M, Smolyaninova V N and Kennedy R: Charge order in photosensitive Bi_{0.4}Ca_{0.6}MnO₃ films 997
- Nemamcha A R: *see* Azzaza S 7257
- Nemchenko K E: *see* Adamenko I N 2805
- Nemchenko K E: *see* Adamenko I N 10179
- Nemec P: *see* Siokou A 5525
- Nenkov K: *see* Ghosh N 557
- Neri M, Anselmi C, Carnevale V, Vargiu A V and Carloni P: Molecular dynamics simulations of outer-membrane protease T from *E. coli* based on a hybrid coarse-grained/atomistic potential S347
- Ness H: Quantum inelastic electron-vibration scattering in molecular wires: Landauer-like versus Green's function approaches and temperature effects 6307
- Nest M: *see* Saalfrank P S1425
- Nethe A, Scholz Th and Stahlmann H-D: Improving the efficiency of electric machines using ferrofluids S2985
- Netzer F P: *see* Schoiswohl J R1
- Neumann F R: *see* Rosa A S235
- Neumann K-U: *see* Brown P J 2249
- Neves B R A: *see* Patrício P S O 7529
- Ney A, Harris J S Jr and Parkin S S P: Temperature dependent magnetic properties of the GaAs substrate of spin-LEDs 4397
- Ney V and Schwentner N: Reactions of halogens with surfaces stimulated by VUV light S1603
- Neyts E: *see* Titantah J T 10803
- Ngai K L: *see* Kamiński K 5607
- Nghiep D M: *see* Hung P K 9309
- Nguyen N: *see* Motohashi T 2157
- Nguyen P N: *see* Hung P K 9309
- Nguyen V D, Nguyen V H and Nguyen V L: Cotunnelling versus sequential tunnelling in Coulomb blockade metallic double quantum dot structures 2729
- Nguyen V H: *see* Nguyen V D 2729
- Nguyen V L: *see* Nguyen V D 2729
- Nicholson D M C, Barabash R I, Ice G E, Sparks C J, Robertson J L and Wolverson C: Relationship between pair and higher-order correlations in solid solutions and other Ising systems 11585
- Nikolayev O: *see* Kieffer J 903
- Nielsen K H: *see* Bahl C R H 4161
- Nieminen R M: *see* Laaksonen K 10097
- Nigam A K: *see* Banerjee D 4955
- Nigam A K: *see* Singh N K 10775
- Nikitin S I: *see* Aminov L K 4985
- Nikl M, Kamada K, Yoshikawa A, Krasnikov A, Beitlerova A, Solovieva N, Hybler J and Fukuda T: Luminescence characteristics and energy transfer in the mixed Y_xGd_{1-x}F₃:Ce, Me (Me = Mg, Ca, Sr, Ba) crystals 3069
- Nikl M: *see* Nistor S V 719
- Nikolov V: *see* Dimova R S1151
- Nimori S: *see* Li D 3299
- Ninno D: *see* Cantele G 2349
- Niraj N P P: *see* Palmgren P 10707
- Nishikawa Y: *see* Ohmasa Y 8449
- Nishimoto S, Pruschke T and Noack R M: Spectral density of the two-impurity Anderson model 981
- Nistor S V, Stefan M, Goovaerts E, Nikl M and Bohacek P: Electron paramagnetic resonance properties of Gd³⁺ ions in PbWO₄ scintillator crystals 719
- Niu Q: *see* Xiong G 2029

- Niu Y L: *see* Zhang L J 9917
Noack R M: *see* Nishimoto S 981
Noakes T C Q, Bailey P, Draxler M, McConville C F, Ross A R, Lograsso T A, Leung L, Smerdon J A and McGrath R: Film growth arising from the deposition of Au onto an *i*-Al–Pd–Mn quasicrystal: a medium energy ion scattering study 5017
Nobile A and Rapuano F: Study of a model for the folding of a small protein 5687
Nóbrega E P, de Oliveira N A, von Ranke P J and Troper A: The magnetocaloric effect in R_5Si_4 ($R = Gd, Tb$): a Monte Carlo calculation 1275
Noce C: *see* Amendola M E 8345
Nogueira R A: *see* de Paiva R 8589
Noh T-W: *see* Chang G S 4243
Nolting W: *see* Sharma A 7337
Nonomura M: *see* Yamada K L421
Nordblad P: *see* Kundu A K 4809
Nordlander P: *see* Izmaylov A F 8995
Nordlund K: *see* Erhart P 6585
Noudem J G: *see* Orlova T S 6729
Novák P: *see* Knížek K 3285
Nowak G: *see* Remhof A L441
Nozaki K and Itami T: The determination of the full set of characteristic values of percolation, percolation threshold and critical exponents for the artificial composite with ionic conduction $Ag_xRbI_5-(\beta-AgI)$ 2191
Nozaki K and Itami T: The evolution of the ionic conduction of $(AgI)_x-(Ag_2O)_y-(B_2O_3)_{1-(x+y)}$ glasses containing nanocrystallites of α -AgI 3617
Núñez J: *see* Taravillo M 10213
- Oakley G S: *see* Coomer F C 8847
Oba F: *see* Sonoda S 4615
Öberg S: *see* Latham C D 8859
Ocak Y: *see* Akbulut S 8403
O'Dell L A: *see* Chadwick A V L163
Odenbach S: *see* Brunke O 6493
Odenbach S: *see* Brunke O S2903
Odenbach S: *see* Jurgons R S2893
Odenbach S: *see* Pop L M S2785
Odrizola G, Jiménez-Ángeles F and Lozada-Cassou M: Two rods confined by positive plates: effective forces and charge distribution profiles S2335
Oguni M: *see* Watanabe K 8427
Oguni M: *see* Watanabe K 9375
Oh C, Hong K S, Lee S, Park C-H and Yu I: Catalytic oxidation of hydrogen at nanocrystalline palladium surfaces 3335
Ohashi M: *see* Tomisawa S 10413
Ohishi Y: *see* Miyagi L S995
Ohki Y: *see* Ito T 6009
- Ohmasa Y, Takahashi S, Fujii K, Nishikawa Y and Yao M: Critical point dewetting observed in the liquid Se–Te system on a quartz substrate 8449
Ohno N: *see* Ichimiya M 1967
Ohno S: *see* Owa Y 5895
Ohno S: *see* Takizawa J L209
Ohta T: *see* Yamada K L421
Ohwa H: *see* Yasuda N 7659
Oikawa K: *see* Brown P J 2249
Oikawa Y: *see* Kim C 9863
Oison V: *see* Lambert-Mauriat C 7361
Oitmaa J and Enting I G: A series study of a mixed-spin $S = (\frac{1}{2}, 1)$ ferrimagnetic Ising model 10931
Ojovan M I and Lee W E: Topologically disordered systems at the glass transition 11507
Oka H: *see* Zhang J 4879
Okada J T, Inui M, Ishikawa D, Baron A Q R, Matsuda K, Tsutsui S, Watanabe Y, Nanao S and Ishikawa T: Dynamics in the melt of an icosahedral $Al_{72}Pd_{20}Mn_8$ quasicrystal L613
Okada J T, Sakurai Y, Watanabe Y, Ishikawa R, Yokoyama Y, Hiraoka N, Ito M and Nanao S: A Compton scattering study on the Hume-Rothery mechanism of AlCu–TM (TM: transition metal) quasicrystals 7203
Okamoto A: *see* Arakawa M 3053
Okamoto K: *see* Maeshima N 4819
Okudaira K K: *see* Kobayashi E S1389
Okumura H: *see* Heyes D M 7553
Okunishi K: *see* Maeshima N 4819
Okuno M: *see* Shimoda K 6531
Okuyama M: *see* Ricinski D L97
Olaya J J: *see* Rodil S E S1703
Oleinikova A and Brovchenko I: Percolating networks and liquid–liquid transitions in supercooled water S2247
Oleś A M: *see* Raczkowski M 7449
Olijnyk H, Nakano S, Jephcoat A P and Takemura K: Unusual pressure response of the E_{2g} mode and elastic shear modulus C_{44} in hcp scandium 10971
Olimov Kh, Falk M, Buse K, Woike Th, Hormes J and Modrow H: X-ray absorption near edge spectroscopy investigations of valency and lattice occupation site of Fe in highly iron-doped lithium niobate crystals 5135
Oliveira L E: *see* Duque C A 1877
Oliveira M A: *see* Fernández-Seivane L 7999
Oliveira R B: *see* Matos M 8267
Olivero P: *see* Greentree A D S825
Olmsted P D: *see* Gordon V D L415
Ono S: *see* Yamaga M 6033
Onoda M and Hasegawa J: The spin-singlet states in the double trellis-layer bronzes $Na_{0.56}V_2O_5$ with a uniform valence and $Sr_{0.5}V_2O_5$ with a

- valence order [2109](#)
- Onoda M: *see* Ikeda T [8673](#)
- Onorato P: *see* Balasubramanian C [S2095](#)
- Onorato P: *see* Bellucci S [S2069](#)
- Onorato P: *see* Bellucci S [S2115](#)
- Onori G: *see* Calandrini V [S2363](#)
- Onori G: *see* Paciaroni A [S2029](#)
- Onuki Y: *see* Hiess A [R437](#)
- Onuki Y: *see* Honda F [479](#)
- Onuki Y: *see* Staub U [11007](#)
- Oohata Y: *see* Watanabe K [8427](#)
- Ooi N, Rairkar A, Lindsley L and Adams J B:
Electronic structure and bonding in hexagonal boron nitride [97](#)
- Oomi G: *see* Tomisawa S [10413](#)
- Orecchini A: *see* Paciaroni A [S2029](#)
- Orgzall I, Franco O and Schulz B: High pressure structural investigations of 2,5-di(4-pyridyl)-1,3,4-oxadiazole—importance of strain studies for the description of intermolecular interactions [5269](#)
- Orgzall I: *see* Franco O [1459](#)
- Orlov A F: *see* Balagurov L A [10999](#)
- Orlova T S, Laval J Y, Monod P, Noudem J G, Zahvalinskii V S, Vikhnin V S and Stepanov Yu P: Effect of Fe doping on structure, charge ordering, magnetic and transport properties of $\text{La}_{0.33}\text{Ca}_{0.67}\text{Mn}_{1-y}\text{Fe}_y\text{O}_3$ ($0 \leq y \leq 0.06$) [6729](#)
- Ortega J E: *see* Mugarza A [S27](#)
- Ortiz E, Vargas R A and Mellander B-E: Phase behaviour of the solid proton conductor CsHSO_4 [9561](#)
- Orzechowski K: *see* Kosmowska M [6225](#)
- Oshikiri T: *see* Yamaguchi H [S1809](#)
- Osipov M A: *see* Belyakov V A [4443](#)
- Ostasnický T: *see* Cronenberger S [315](#)
- Oswald J and Oswald M: Circuit type simulations of magneto-transport in the quantum Hall effect regime [R101](#)
- Oswald M: *see* Oswald J [R101](#)
- Ota T: *see* Hirayama Y [S885](#)
- Otten A: *see* Dootz R [S639](#)
- Ou Z Q, Wang G F, Lin Song, Tegus O, Brück E and Buschow K H J: Magnetic properties and magnetocaloric effects in $\text{Mn}_{1.2}\text{Fe}_{0.8}\text{P}_{1-x}\text{Ge}_x$ compounds [11577](#)
- Ouillon R: *see* Mishra S K [1899](#)
- Ouladdiaf B: *see* Brown P J [2249](#)
- Ouyang S-H, Lam C-H and You J Q: Dissipative dynamics of coupled quantum dots under quantum measurement [11551](#)
- Overby M: *see* Nelson C S [997](#)
- Ovid'ko I A and Sheinerman A G: Nanoparticles as dislocation sources in nanocomposites [L225](#)
- Ovsyannikov S V and Shchennikov V V:
Observation of a new high-pressure semimetal phase of GaAs from pressure dependence of the thermopower [L551](#)
- Owa Y, Shudo K, Koma M, Iida T, Ohno S and Tanaka M: Characterization of initial halogen adsorption on Si(111) surface by scanning tunnelling microscopy: correlation with optical measurements [5895](#)
- Owen J H G: *see* Bowler D R [L241](#)
- Oyarzún S: *see* Munoz R C [3401](#)
- Ozaki H: *see* Kim C [9863](#)
- Özcan S: *see* El-Hagary M [4567](#)
- Ozdemir S K: *see* Hirayama Y [S885](#)
- Özdoğan K, Galanakis I, E Şaşıoğlu and Aktaş B:
Search for half-metallic ferrimagnetism in V-based Heusler alloys Mn_2VZ ($Z = \text{Al, Ga, In, Si, Ge, Sn}$) [2905](#)
- Pabisiak T: *see* Kiejna A [4207](#)
- Pacheco M: *see* Duque C A [1877](#)
- Pachmann K: *see* Schwalbe M [S2865](#)
- Paciaroni A, Casciola M, Cornicchi E, Marconi M, Onori G, Pica M, Narducci R, De Francesco A and Orecchini A: Dynamics of water confined in fuel cell Nafion membranes containing zirconium phosphate nanofiller [S2029](#)
- Paciaroni A: *see* Calandrini V [S2363](#)
- Paderno Y: *see* Jäger B [2525](#)
- Padhan P: *see* Murugavel P [3377](#)
- Paez Sierra B A: *see* Milekhin A G [5825](#)
- Paganelli S and Ciuchi S: Tunnelling system coupled to a harmonic oscillator: an analytical treatment [7669](#)
- Pagès O, Tite T, Kim K, Graf P A, Maksimov O and Tamargo M C: Percolation picture for long wave phonons in zinc-blende mixed crystals: from (Zn, Be) chalcogenides to (Ga, In)As [577](#)
- Paggel J J: *see* Horn K [435](#)
- Pal B: *see* Chakrabarti H [9323](#)
- Pal D: *see* Pallandre A [S665](#)
- Pal'yanov Yu N: *see* Surovtsev N V [4763](#)
- Palaci I: *see* Abid M [6085](#)
- Palewicz A: *see* Przeniosło R [2069](#)
- Palina N: *see* Behrens S [S2543](#)
- Pallandre A, Pal D, de Lambert B, Viovy J-L and Fütterer C: New 'monolithic' templates and improved protocols for soft lithography and microchip fabrication [S665](#)
- Palmer R E: *see* Sloan P A [S1873](#)
- Palmgren P, Priya B R, Niraj N P P and Göthelid M: Self-ordering of metal-free phthalocyanine on InAs(100) and InSb(100) [10707](#)
- Paluch M: *see* Kamiński K [5607](#)
- Paluch S: *see* Jäger B [2525](#)
- Pamuk H: *see* Saatçi B [10143](#)
- Pan C T, Cho D C and Wu G Y: Theoretical study of damping in coupled quantum dots [1781](#)

- Pan F: *see* Wei X X 7471
- Pan H, Feng Y P and Lin J Y: *Ab initio* study of F- and Cl-functionalized single wall carbon nanotubes 5175
- Pan L-H and Gong C-D: Hole distribution in the three-band Hubbard model of high- T_c cuprates 9669
- Panchal V, Garg N and Sharma S M: Raman and x-ray diffraction investigations on BaMoO₄ under high pressures 3917
- Panchal V, Garg N, Achary S N, Tyagi A K and Sharma S M: Equation of state of scheelite-structured ZrGeO₄ and HfGeO₄ 8241
- Pandey D: *see* Chandra A 2977
- Pandey D: *see* Mishra S K 1885
- Pandey D: *see* Mishra S K 1899
- Pandey R: *see* Vail J M 2125
- Pandey S K, Khalid S, Lalla N P and Pimpale A V: Local distortion in LaCoO₃ and PrCoO₃: extended x-ray absorption fine structure, x-ray diffraction and x-ray absorption near edge structure studies 10617
- Pandey S K, Kumar A, Chaudhari S M and Pimpale A V: Electronic states of PrCoO₃: x-ray photoemission spectroscopy and LDA + U density of states studies 1313
- Pandey S K, Kumar A, Khalid S and Pimpale A V: Electronic states of LaCoO₃: Co K-edge and La L-edge x-ray absorption studies 7103
- Panessa-Warren B J, Warren J B, Wong S S and Misewich J A: Biological cellular response to carbon nanoparticle toxicity S2185
- Panetta M: *see* Truccato M 8295
- Pang X-F, Feng Y P, Zhang H-W and Assad S M: Dynamical features of deoxyribonucleic acid and configuration transition in the transcription process 9007
- Pang X-F, Zhang H-W and Luo Y-H: The influence of the heat bath and structural disorder in protein molecules on soliton transported bio-energy in an improved model 613
- Pang Z: *see* Huang S 7135
- Panigrahi B K: *see* RaghavendraReddy V 6401
- Panissod P: *see* Malinowski G 3385
- Pantalei C: *see* Andreani C 5587
- Panyukov S V: *see* Kuchanov S I L43
- Pao C-H and Yip S-K: Asymmetric Fermi superfluid in a harmonic trap 5567
- Pao C W, Tsai H M, Chiou J W, Pong W F, Tsai M-H, Pi T W, Lin H-J, Jang L Y, Lee J F, Wang C R, Lin S T and Guo J H: The effect of the Mn constituent on the electronic structures of Al₇₀Pd_{22.5}(Re_{1-x}Mn_x)_{7.5} quasicrystals studied by x-ray absorption and photoemission spectroscopy 265
- Papathodorou G N: *see* Kalampounias A G 6429
- Papavassiliou G: *see* Pattabiraman M 11081
- Papp E: *see* Jivulescu M A 6853
- Park B-G: *see* Han S W 7413
- Park C-H: *see* Oh C 3335
- Park H: *see* Yeo J 3607
- Park J-G: *see* Kwon S J 3875
- Park J-H: *see* Han S W 7413
- Park S, Jang K, Kim S, Kim I and Seo H-J: X-ray-induced reduction of Sm³⁺-doped SrB₆O₁₀ and its room temperature optical hole burning 1267
- Park Y: *see* Ham M-H 7703
- Parkin S S P: *see* Ney A 4397
- Parkin S S P: *see* Yang S-H L259
- Parmigiani F: *see* Bondino F 5773
- Parola A: *see* Pini D S2305
- Parracino A: *see* D'Auria S S2019
- Parravicini G P: *see* Cresti A 10059
- Parry A O, Rascón C, Bernardino N R and Romero-Enrique J M: Derivation of a non-local interfacial Hamiltonian for short-ranged wetting: I. Double-parabola approximation 6433
- Partoens B: *see* Slachmuylders A F 3951
- Pascarelli S: *see* Smolentsev G 7393
- Pasquevich A F: *see* Forker M 253
- Passerini S: *see* Henderson W A 10377
- Pathak A P: *see* Dhamodaran S 4135
- Pathak K N: *see* Singh S 1395
- Pati S K: *see* Sengupta S 9189
- Patrício P S O, Calado H D R, de Oliveira F A C, Righi A, Neves B R A, Silva G G and Cury L A: Correlation between thermal, optical and morphological properties of heterogeneous blends of poly(3-hexylthiophene) and thermoplastic polyurethane 7529
- Patsahan O, Mryglod I and Patsahan T: Gas-liquid critical point in ionic fluids 10223
- Patsahan T: *see* Patsahan O 10223
- Pattabiraman M, Venkatesh R, Rangarajan G, Murugaraj P, Dimitropoulos C, Ansermet J-Ph and Papavassiliou G: The Nd-Mn exchange interaction in Nd_{0.7}Sr_{0.3}MnO₃ 11081
- Paul A, Kentzinger E, Rücker U and Brückel T: The angular dependence of the magnetization reversal in exchange biased multilayers L149
- Paul D McK: *see* Wooldridge J 4731
- Paul W: *see* Diaz Ochoa J G 2777
- Paul-Boncour V, Filipeck S M, André G, Bourée F, Guillot M, Wierzbicki R, Marchuk I, Liu R S, Villeroy B, Percheron-Guégan A, Yang H D and Pin S C: Structural, thermal and magnetic properties of ErMn₂D₆ synthesized under high deuterium pressure 6409
- Paulmann C: *see* Marinova V L385
- Pawlaczyk Cz: *see* Gągor A 4489
- Payami M and Mahmoodi T: Self-consistent

- iterative solution of exchange-only optimized effective potential equations for simple metal clusters in the jellium model 75
- Pazhitnykh K S: *see* Kagan M Yu 10905
- Pearson W: *see* Henderson W A 10377
- Pecharsky V K: *see* Manekar M 6017
- Pecharsky V K: *see* Ritter C 3937
- Pedersen T: *see* Bahl C R H 4161
- Pedrazzini P: *see* Sereni J G 3789
- Peđziwiatr A T, Wojciechowska A and Bogacz B F: Experimental studies of spin reorientations in $\text{Er}_{2-x}\text{Pr}_x\text{Fe}_{14}\text{B}$ 8891
- Peeters F M: *see* Ferreira W P 9385
- Peeters F M: *see* Slachmuylders A F 3951
- Pehl J: *see* Speziale S S1007
- Pehl J: *see* Wenk H-R S933
- Peithmann K: *see* Hartwig U L447
- Pelloquin D: *see* Maignan A 4305
- Pelous J: *see* Le Parc R 7507
- Penc B: *see* Szytuła A 4355
- Penc K: *see* Carmelo J M P 2881
- Penc K: *see* Carmelo J M P 5191
- Pendry J B: *see* Wiltshire M C K L315
- Peng C: *see* Wang L 7559
- Peng G W: *see* Wu R Q 569
- Peng R-W: *see* Wu Z 5425
- Peng W: *see* Zhu X H 4709
- Peng W: *see* Zhu X H 10117
- Peng W Q: *see* Cong G W 3081
- Peng Z H: *see* Wang F B 5835
- Pepper M: *see* Godfrey M D L123
- Perca C: *see* Daoud-Aladine A 1509
- Percheron-Guégan A: *see* Paul-Boncour V 6409
- Perechinskii S I: *see* Yevych R M 4047
- Peres N M R: *see* Araújo M A N 1769
- Perez M: *see* Marrows C H 243
- Perez R and Que W: Plasmons in isolated single-walled carbon nanotubes 3197
- Perfetto E and González J: Electronic correlations of small diameter carbon nanotubes S2105
- Perfetto E: *see* Bellucci S S2069
- Perfetto E: *see* Bellucci S S2115
- Perminov D A: *see* Druzhkov A P 365
- Perna P: *see* Di Capua R 8195
- Perona J J: *see* Fogg J M S145
- Perov N S: *see* Balagurov L A 10999
- Perrière J: *see* Abdelouahdi K 1913
- Perroni C A and Liebsch A: Coherent control of magnetization via inverse Faraday effect 7063
- Perroni C A: *see* Di Capua R 8195
- Perry L K, Cadogan J M, Ryan D H, Canepa F, Napoletano M, Mazzone D and Riani P: Complex antiferromagnetic order in $\text{Dy}_3\text{Ag}_4\text{Sn}_4$ 5783
- Persson B N J: Rubber friction: role of the flash temperature 7789
- Persson B N J: *see* Tartaglino U 4143
- Persson B N J: *see* Yang C 11521
- Perzynski R: *see* Mériguet G 10119
- Perzynski R: *see* Mériguet G S2685
- Pesant J-C: *see* Koumetz S L283
- Peters G H: *see* Mouritsen O G S1293
- Petersen M, Hafner J and Marsman M: Structural, electronic and magnetic properties of Gd investigated by DFT+U methods: bulk, clean and H-covered (0001) surfaces 7021
- Petrakovskii G: *see* Fischer P 7975
- Petrenko P A: *see* Laiho R 10291
- Pettifor D G: *see* Gunlycke D S843
- Pettifor D G: *see* Gunlycke D S851
- Pettitt B M: *see* Randall G L S173
- Peurla M: *see* Lal R 2563
- Pfohl T: *see* Dootz R S639
- Phani A R and Santucci S: Microwave irradiation as an alternative source for conventional annealing: a study of pure TiO_2 , NiTiO_3 , CdTiO_3 thin films by a sol-gel process for electronic applications 6965
- Philpott M R: *see* Cai J 9151
- Pi T W: *see* Pao C W 265
- Pi X D, Zalloum O H Y, Knights A P, Mascher P and Simpson P J: Electrical conduction of silicon oxide containing silicon quantum dots 9943
- Piątek A, Dawid A and Gburski Z: The existence of a plastic phase and a solid-liquid dynamical bistability region in small fullerene cluster (C_{60})₇: molecular dynamics simulation 8471
- Piatek A, Dawid A and Gburski Z: The existence of a plastic phase and a solid-liquid dynamical bistability region in small fullerene cluster (C_{60})₇: molecular dynamics simulation 11397
- Pica M: *see* Paciaroni A S2029
- Piccinini M: *see* Balasubramanian C S2095
- Pickett W E: *see* Jeong T 6289
- Picozzi S: *see* Ma C 7717
- Pieranski P: *see* Leroy S 6453
- Pietraszko A: *see* Baran J 5695
- Pietraszko A: *see* Gągor A 4489
- Pikul A P, Caroca-Canales N, Deppe M, Gegenwart P, Sereni J G, Geibel C and Steglich F: Non-Fermi-liquid behaviour close to the disappearance of ferromagnetism in $\text{CePd}_{1-x}\text{Rh}_x$ L535
- Pileni M P: Self-organization of inorganic nanocrystals S67
- Pilgrim W-C and Morkel C: State dependent particle dynamics in liquid alkali metals R585
- Pillonnet A, Lancok J, Martinet C, Marty O, Bellessa J and Garapon C: Structural and optical properties of Eu^{3+} doped Y_2O_3 nanostructures embedded in amorphous alumina waveguides prepared by pulsed laser deposition 10043

- Pimpale A V: *see* Pandey S K 1313
Pimpale A V: *see* Pandey S K 7103
Pimpale A V: *see* Pandey S K 10617
Pin S C: *see* Paul-Boncour V 6409
Pinan-Lucarre J-P: *see* Mishra S K 1899
Pini D, Parola A and Reatto L: Freezing and correlations in fluids with competing interactions S2305
Pink D A: *see* Hanna C B 8129
Pinsard-Gaudart L: *see* Daoud-Aladine A 1509
Pinto H P and Elliott S D: Mechanism of the Verwey transition in magnetite: Jahn–Teller distortion and charge ordering patterns 10427
Piquer C, Grandjean F, Isnard O and Long G J: An analysis of the hyperfine parameters of the RFe₁₁Ti and RFe₁₁TiH compounds, where R is a rare-earth element 205
Piquer C, Grandjean F, Isnard O and Long G J: A phenomenological model for the rare-earth contribution to the magnetic anisotropy in RFe₁₁Ti and RFe₁₁TiH 221
Pirc R: *see* Scott J F L205
Pirotto Duarte J: *see* Cox S F J 1079
Piryatinski Yu P: *see* Gnatenko Yu P 9603
Piskunova N I: *see* Aplesnin S S 6859
Pistone G: *see* Martino G 2367
Pittelkow Y: *see* Burden C J 5545
Pivovarov E: *see* Fogler M M L7
Pizani P S: *see* Campos C E M 8613
Pizarro J L: *see* de Pedro I 3767
Plakhty V P, Brown P J, Grenier B, Shiryayev S V, Barilo S N, Gavrilov S V and Ressouche E: Thermal excitation of the Co³⁺ triplet spin-state in LaCoO₃ determined by polarized neutron diffraction 3517
Pleiner H: *see* Bohlius S S2671
Ploog K H: *see* Friedland K-J 2641
Ploog K H: *see* Hashimoto M 6101
Ploog K H: *see* Kaganer V M 5047
Ploog K H: *see* Muduli P K 9453
Pogosyan E: *see* Japaridze G I 9297
Polevikov V: *see* Lavrova O S2657
Polgár K: *see* Zhang Y 957
Polomskál M: *see* Gágor A 4489
Polyshchuk S A: *see* Volkova L M 11177
Polzonetti G: *see* Smolentsev G 759
Pomjakushin V: *see* Chakraborty K R 8661
Pomjakushin V: *see* Fischer P 7975
Pong P J: *see* Shu G W L543
Pong W F: *see* Pao C W 265
Poon W C K: *see* Gordon V D L415
Poon W C K: *see* Voigtmann Th L465
Poon W C K: *see* Wu Y L 4461
Pop L M and Odenbach S: Investigation of the microscopic reason for the magnetoviscous effect in ferrofluids studied by small angle neutron scattering S2785
Popov A: *see* Balasubramanian C S2095
Popov A I: *see* Zhukovskii Yu F S2045
Popović Z V, Kontos A G, Raptis Y S, Isobe M and Ueda Y: Raman scattering study of β -Sr_{0.33}V₂O₅ in charge disordered and ordered phase 7779
Popović Z V: *see* Dohčević-Mitrović Z D S2061
Poprawski R: *see* Mączka M 2137
Porfyrakis K: *see* Benjamin S C S867
Porras-Montenegro N: *see* Duque C A 1877
Postnikov A V: *see* Wilks R G 10405
Potemskaya E: *see* Lembrikov B I 3817
Potocky S: *see* Houska J 2337
Pöttgen R: *see* Rayaprol S 5473
Poulsen M: *see* Bai M 7383
Poulsen M: *see* Xiao J L155
Poumellec B, Riant I and Tessier-Lescourret C: Precise life-time prediction using demarcation energy approximation for distributed activation energy reaction 2199
Powell B J: Mixed order parameters, accidental nodes and broken time reversal symmetry in organic superconductors: a group theoretical analysis L575
Powell B J and McKenzie R H: Strong electronic correlations in superconducting organic charge transfer salts R827
Pozdnyakova I, Hennem L, Mathiak G, Brillo J, Zanghi D, Brun J-F, Brassamin S, Bytchkov A, Cristiglio V, Véron E, Matzen G, Geandier G, Thiaudière D, Moss S C, Spaepen F, Egry I and Price D L: Structural properties of molten dilute aluminium–transition metal alloys 6469
Pozhidaev E D: *see* Tyutnev A P 6365
Prabhakaran D: *see* Cox S F J 1061
Pralong V: *see* Maignan A 4305
Pralong V: *see* Motohashi T 2157
Pralong V: *see* Raveau B 10237
Pramanik A K: *see* Banerjee A L605
Prasad S K: *see* Nair G G 9415
Prasanna de Silva A, Leydet Y, Lincheneau C and McClenaghan N D: Chemical approaches to nanometre-scale logic gates S1847
Prawer S: *see* Greentree A D S825
Preda N, Mihut L, Baibarac M, Baltog I and Lefrant S: A distinctive signature in the Raman and photoluminescence spectra of intercalated PbI₂ 8899
Preibisch S: *see* Binder H S537
Prellier W: *see* Murugavel P 3377
Prentiss M: *see* Lee C H S205
Presniakov I A, Sobolev A V, Baranov A V, Demazeau G and Rusakov V S: Local structure, chemical bond parameters and hyperfine magnetic interactions of ⁵⁷Fe and doped ¹¹⁹Sn atoms in the orthoferrites TlFeO₃ and TlFe_{0.99}Sn_{0.01}O₃ 8943
Price D L: *see* Pozdnyakova I 6469

- Price D L: *see* Zanotti J-M [S2391](#)
Priolkar K R: *see* Bhohe P A [10843](#)
Privalov A: *see* Kruk D [1725](#)
Priya B R: *see* Palmgren P [10707](#)
Prost J: *see* Busoni L [S1957](#)
Pruschke T: *see* Nishimoto S [981](#)
Pruzan P: *see* Mishra S K [1899](#)
Przeniosło R, Palewicz A, Regulski M, Sosnowska I, Ibberson R M and Knight K S: Does the modulated magnetic structure of BiFeO₃ change at low temperatures? [2069](#)
Przesławski J and Czapla Z: Calorimetric studies of phase transitions in imidazolium perchlorate crystal [5517](#)
Pugno N M: On the strength of the carbon nanotube-based space elevator cable: from nanomechanics to megamechanics [S1971](#)
Pugno N: *see* Calabri L [S2175](#)
Pung L: *see* Nakonechnyi S [379](#)
Pursky O I: *see* Konstantinov V A [9901](#)
Purton J A: *see* Todorov I T [2217](#)
Puyet M, Candolfi C, Chaput L, Da Ros V, Dauscher A, Lenoir B and Hejtmanek J: Low-temperature thermal properties of n-type partially filled calcium skutterudites [11301](#)
Puzniak R: *see* Markovich V [9201](#)
Pyanzina E: *see* Holm C [S2737](#)
Pyper N C, Kirkland A I and Harding J H: Cohesion and polymorphism in solid rubidium chloride [683](#)
- Qasrawi A F and Gasanly N M: Light illumination effect on the electrical and photovoltaic properties of In₆S₇ crystals [4609](#)
Qi L-J: *see* Fan W-B [3367](#)
Qian G: *see* Guo J [5739](#)
Qian H J: *see* Cong G W [3081](#)
Qian X: Surface stress of W(001) and the effect of an Fe overlayer from first principles [1157](#)
Qiao L J: *see* Lu J [4801](#)
Qiao X, Fan X, Wang M, Adam J-L and Zhang X: Spectroscopic properties of Er³⁺/Yb³⁺ co-doped 50SiO₂-20Al₂O₃-30CaF₂ glass and glass ceramics [6937](#)
Qin S: *see* Wu X [3907](#)
Qin Y-Q, Guo H-C and Tang S-H: Theoretic considerations for multi-mode terahertz generations in multi-periodically poled dielectric material [1613](#)
Qiu J: *see* Guo J [5739](#)
Qiu T: *see* Zhang W J [9937](#)
Qiu X G: *see* Bi C Z [2553](#)
Qu W, Tan X, McCallum R W, Cann D P and Ustundag E: Room temperature magnetoelectric multiferroism through cation ordering in complex perovskite solid solutions [8935](#)
Quake S R: *see* Hong J W [S691](#)
- Quattrone T: *see* Silipigni L [5759](#)
Que D: *see* Chen J [11131](#)
Que W: *see* Perez R [3197](#)
Quesada-Pérez M: *see* Haro-Pérez C [L363](#)
Quinn B E: *see* Hanna C B [8129](#)
Quinto D T: *see* Staia M H [S1727](#)
- Rabanal M E: *see* Wang Y [9257](#)
Rabeau J R: *see* Greentree A D [S825](#)
Rabhi A, Schuck P and Da Providência J: Random phase approximation for the 1D anti-ferromagnetic Heisenberg model [10249](#)
Raczkowski M, Frésard R and Oleś A M: Magnetic and orbital correlations in a two-site molecule [7449](#)
Radhakrishnan R: *see* Alba-Simionesco C [R15](#)
Radheshyam S: *see* Rao A [2955](#)
Radoev B: *see* Slavchov R [5873](#)
Radtke G and Botton G A: Probing the electronic structure of complex crystals with electron energy loss spectroscopy: a study of *natisites* [3629](#)
Radu D: *see* Aștefănoaei I [2689](#)
Radu F, Westphalen A, Theis-Bröhl K and Zabel H: Quantitative description of the azimuthal dependence of the exchange bias effect [L29](#)
Raebiger H: *see* Hynninen T [1561](#)
Rafil O: *see* Bourahla B [8683](#)
RaghavendraReddy V, Kavita S, Amirthapandian S, Gupta Ajay and Panigrahi B K: Study of low energy Ar⁺ ion irradiated ⁵⁷Fe/Pt multilayers [6401](#)
Rahimpour Soleimani H: *see* Cronenberger S [315](#)
Rahman T S: *see* Kara A [8883](#)
Rahman T S: *see* Mehmood F [8015](#)
Rainford B D: *see* Bowden G J [5861](#)
Rainford B D: *see* Martin K N [459](#)
Rairkar A: *see* Ooi N [97](#)
Rajagopal A K, Mahanti S D and Jha S S: Decoherence and fidelity of single-electron spin states in quantum dots: effects of nuclear hyperfine coupling and double occupancy [10677](#)
Rajiv P: *see* Hinrichsen B [S1021](#)
Raju V S: *see* Seetha Lakshmi L [4427](#)
Rakhmanov A L: *see* Kagan M Yu [10905](#)
Ram-Mohan L R and Yoo K H: Wavefunction engineering of layered semiconductors: theoretical foundations [R901](#)
Ramakrishnan S: *see* Kini N S [8205](#)
Ramanadham M: *see* Chakraborty K R [8661](#)
Ramaprabhu S: *see* Kandavel M [2943](#)
Ramaprabhu S: *see* Kandavel M [11275](#)
Ramírez A: *see* Munoz R C [3401](#)
Ramírez M O: *see* Ramos-Lara F [7951](#)
Ramos M M D and Correia H M G: Modelling the effects of molecular arrangements in polymer light-emitting diodes [S429](#)

- Ramos-Lara F, Lira C A, Ramírez M O, Flores M, Arroyo R and Caldiño U: Optical spectroscopy of Nd³⁺ ions in poly(acrylic acid) [7951](#)
- Ramšak A: *see* Gunlycke D [S851](#)
- Ramsteiner M: *see* Ham M-H [7703](#)
- Rana D S: *see* Singh N K [10775](#)
- Randall G L, Pettitt B M, Buck G R and Zechiedrich E L: Electrostatics of DNA–DNA juxtapositions: consequences for type II topoisomerase function [S173](#)
- Ranganathan S: *see* Singh S [1395](#)
- Rangarajan G: *see* Pattabiraman M [11081](#)
- Ranjan R, Agrawal A, Senyshyn A and Boysen H: Crystal structures of high temperature quantum paraelectrics Na_{1/2}Nd_{1/2}TiO₃ and Na_{1/2}Pr_{1/2}TiO₃ [L515](#)
- Ranjan R, Agrawal A, Senyshyn A and Boysen H: Phases in the system Na_{1/2}Nd_{1/2}TiO₃–SrTiO₃: a powder neutron diffraction study [9679](#)
- Ranjan R: *see* Chandra A [2977](#)
- Ranjan R: *see* Mishra S K [1885](#)
- Ranjan R: *see* Mishra S K [1899](#)
- Ranson P: *see* Mishra S K [1899](#)
- Rantala T T: *see* Laaksonen K [10097](#)
- Rao A, Radheshyam S, Das A, Gahtori B, Agarwal S K, Lin Y F, Sivakumar K M and Kuo Y-K: Effect of Mn doping on the specific heat of the high T_C superconductor REBa₂Cu₃O_y (RE = Y, Gd) [2955](#)
- Rao C N R: *see* Kundu A K [4809](#)
- Rao M N, Sen A, Mittal R and Chaplot S L: Reply to Comment on ‘Collective dynamics in crystalline polymorphs of ZnCl₂: potential modelling and inelastic neutron scattering study’ [6431](#)
- Rao R S: *see* Garg A B [8523](#)
- Rapenne G, Launay J P and Joachim C: Design and synthesis of mono-molecular machines [S1797](#)
- Raptis Y S: *see* Popović Z V [7779](#)
- Rapuano F: *see* Nobile A [5687](#)
- Raquet B: *see* Lassagne B [4581](#)
- Raquet B: *see* Lisunov K G [8541](#)
- Rascón C: *see* Parry A O [6433](#)
- Rastei M V and Bucher J P: Spin polarized tunnelling investigation of nanometre Co clusters by means of a Ni bulk tip [L619](#)
- Raveau B, Simon Ch, Caignaert V, Pralong V and Lefevre F X: Enhancement of ferromagnetism by nickel doping in the ‘112’ cobaltite EuBaCo₂O_{5.50} [10237](#)
- Raveau B: *see* Maignan A [4305](#)
- Raveau B: *see* Motohashi T [2157](#)
- Raviv U, Needleman D J and Safinya C R: Cationic membranes complexed with oppositely charged microtubules: hierarchical self-assembly leading to bio-nanotubes [S1271](#)
- Ravot D: *see* Viennois R [5371](#)
- Rawat R and Das I: Heat capacity and magnetocaloric studies of RPd₂Si (R = Gd, Tb and Dy) [1051](#)
- Rawat R: *see* Lal R [2563](#)
- Ray P C: *see* Bandyopadhyay A K [4093](#)
- Rayaprol S, Doğan A and Pöttgen R: Magnetic properties and specific heat studies of RE₂Pd₂Cd (RE = La, Ce, Nd) [5473](#)
- Raychaudhuri P: *see* Bose S [4553](#)
- Rea I: *see* D’Auria S [S2019](#)
- Reaney I M: *see* Woodward D I [2401](#)
- Reaney I M: *see* Zheng H [7051](#)
- Reatto L: *see* Pini D [S2305](#)
- Rebizant J: *see* Colineau E [411](#)
- Reddy V R: *see* Brajpuria R [1197](#)
- Redmer R: *see* Kietzmann A [5597](#)
- Rees I: *see* Fogg J M [S145](#)
- Regenstein W: *see* Franco O [1459](#)
- Regi M: *see* Galfetti L [S1991](#)
- Reguera E: *see* Martinez-Garcia R [11243](#)
- Regulski M: *see* Przeniosło R [2069](#)
- Rehberg I: *see* Gollwitzer C [S2643](#)
- Rehr J J: *see* Soininen J A [7327](#)
- Rehspringer J L: *see* Azzaza S [7257](#)
- Reichart P: *see* Greentree A D [S825](#)
- Reis D A: *see* Lings B [9231](#)
- Reissner M: *see* Gribanov A [9593](#)
- Rejec T: *see* Gunlycke D [S851](#)
- Rejmer K: Breakdown of the long-wavelength limit of the filling transition [10133](#)
- Remhof A, Nowak G, Liebig A, Zabel H and Hjörvarsson B: Hydrogen assisted growth of Fe/V superlattices [L441](#)
- Removic-Langer K: *see* Wiehl L [11067](#)
- Ren Z, Shen J, Jiang S, Chen X, Feng C, Xu Z and Cao G: Enhanced thermopower in an intergrowth cobalt oxide Li_{0.48}Na_{0.35}CoO₂ [L379](#)
- Rendina I: *see* D’Auria S [S2019](#)
- Reno J L: *see* Shailos A [1715](#)
- Reno J L: *see* Shailos A [3277](#)
- Renold S: *see* Bersier C [7481](#)
- Repain V, Rohart S, Girard Y, Tejada A and Rousset S: Building uniform and long-range ordered nanostructures on a surface by nucleation on a point defect array [S17](#)
- Ressouche E: *see* Plakhty V P [3517](#)
- Reuther H: *see* Stromberg F [9881](#)
- Revcovschi A: *see* Daoud-Aladine A [1509](#)
- Revyakin V P: *see* Konstantinov V A [9901](#)
- Reyes-Gasga J: *see* Reyes-Rojas A [4685](#)
- Reyes-Rojas A, Esparza-Ponce H E and Reyes-Gasga J: Study of the Ni–NiAl₂O₄–YSZ cermet for its possible application as an anode in solid oxide fuel cells [4685](#)

- Reynolds S: *see* Merazga A 3721
 Reznikov E: *see* Holm C S2737
 Reznitchenko L A: *see* Turik A V 4839
 Riani P: *see* Perry L K 5783
 Riant I: *see* Poumellec B 2199
 Ribeiro J L, Vieira L G, Tarroso Gomes I, Agostinho Moreira J, Almeida A, Chaves M R, Santos M L and Alferes P P: Infrared reflectivity study of the phase transitions in sodium ammonium sulfate dihydrate 7761
 Ribes M: *see* Andrikopoulos K S 965
 Richetta M: *see* Martellucci S S2039
 Richter R: *see* Gollwitzer C S2643
 Richter T: *see* Milekhin A G 5825
 Richter W: *see* Chandola S 6979
 Ricinschi D, Yun K-Y and Okuyama M: A mechanism for the $150 \mu\text{C cm}^{-2}$ polarization of BiFeO_3 films based on first-principles calculations and new structural data L97
 Ridi F: *see* Fratini E S2467
 Riedel D: *see* Comtet G S1927
 Righi A: *see* Patrício P S O 7529
 Rinaudo G: *see* Truccato M 8295
 Risbud S: *see* Harvey A 2181
 Riske K A: *see* Dimova R S1151
 Ritchey S B: *see* Yang S-H L259
 Ritchie D A: *see* Godfrey M D L123
 Ritort F: Single-molecule experiments in biological physics: methods and applications R531
 Ritter C, Magen C, Morellon L, Algarabel P A, Ibarra M R, Pecharsky V K, Tsokol A O and Gschneidner Jr K A: Magnetic and crystal structures of $\text{Er}_3(\text{Si}_x\text{Ge}_{1-x})_4$ 3937
 Ritter C: *see* Al-Jawad M 1449
 Rivas J: *see* Castro-Couceiro A 3803
 Rivas-Murias B: *see* Castro-Couceiro A 3803
 Robert J: *see* Bordet P 5147
 Robertson J L: *see* Nicholson D M C 11585
 Robles M: *see* Munoz R C 3401
 Rocchia W: *see* Giordano S 10585
 Rodil S E and Olaya J J: Unbalanced magnetic field configuration: plasma and film properties S1703
 Rodnyi P A: *see* Sidorenko A V 4503
 Rodríguez Fernandez J: *see* Chevalier B 6045
 Rodríguez-Carvajal J: *see* Jiménez-Melero E 7893
 Rodríguez Fernández J: *see* de Pedro I 3767
 Rodríguez-López J L: *see* Baltazar S E 9119
 Rodríguez-Núñez J J, Schmidt A A, Beck H and Valera M: A pseudogap model beyond BCS for the cuprates: the effect of order parameter symmetry, cutoff frequency and band structure 11561
 Rodríguez-Carvajal J: *see* Daoud-Aladine A 1509
 Roessli B: *see* Bernhoeft N 5961
 Roessli B: *see* Daoud-Aladine A 1509
 Roessli B: *see* Fischer P 7975
 Roessli B: *see* Hiess A R437
 Rogl P: *see* Griбанov A 9593
 Rogl P: *see* Tran V H 703
 Rogowski R Z: *see* Matyjasek K 7687
 Rogulis U: *see* Henke B 1577
 Rohart S: *see* Repain V S17
 Rojas F: *see* Contreras-Pulido L D 9771
 Rojo J M: *see* de Pedro I 3767
 Rojo T: *see* de Pedro I 3767
 Roman T: *see* David M 1137
 Romanò L: *see* Bettinelli M S2149
 Romano P: *see* Gutierrez J 9951
 Romanus E: *see* Aurich K S2847
 Romero A H: *see* Baltazar S E 9119
 Romero F J, Gallardo M C, Jiménez J and del Cerro J: Influence of a weak dc electric field on tricritical phase transition in TGSe: evidence of different specific heat behaviour on cooling and heating runs 10075
 Romero-Enrique J M: *see* Parry A O 6433
 Ronchi C: *see* Yakub E 1227
 Ronneteg S: *see* Kamali-M S 7373
 Rosa A, Neumann F R, Gasser S M and Stasiak A: Long time behaviour of diffusing particles in constrained geometries; application to chromatin motion S235
 Rosa A: *see* Gehlen L R S245
 Rosa L G: *see* Xiao J L155
 Rosenbaum T F: *see* Hu J 10837
 Roskos H G: *see* Hummel A B 2487
 Rosner H: *see* El-Hagary M 4567
 Rosolankova K, Wark J S, Bringa E M and Hawreliak J: Measuring stacking fault densities in shock-compressed FCC crystals using *in situ* x-ray diffraction 6749
 Ross A R: *see* Noakes T C Q 5017
 Rossi A M: *see* D'Auria S S2019
 Rossi M: *see* D'Auria S S2019
 Rössler E A: *see* Brodin A 8481
 Rößler S: *see* Ghosh N 557
 Rößler U K: *see* Ghosh N 557
 Rotenberg E: *see* Horn K 435
 Roth R and Kroll K M: Capillary evaporation in pores 6517
 Roth R: *see* Hansen-Goos H 8413
 Rotiroti L: *see* D'Auria S S2019
 Roudet F: *see* Staia M H S1727
 Rousseau B: *see* De Sousa Meneses D 5669
 Rousset S: *see* Repain V S17
 Rovida G: *see* Caffio M 2379
 Rowell N L: *see* Baribeau J-M R139
 Rowlands D A: Investigation of the nonlocal coherent-potential approximation 3179
 Rowlands D A: *see* Batt G M 11031
 Roy M: *see* Baker S H 2385
 Roy M K and Verma H C: Quenching of

- superparamagnetic relaxation in NiFe₂O₄ nanoparticles at room temperature 7273
- Roy S B, Chattopadhyay M K and Chaddah P: Temperature dependence of magnetization in the superconducting mixed state of CeRu₂: evidence of a first-order phase transition 9471
- Royanian E: *see* Griбанov A 9593
- Ruan K: *see* Huang S 7135
- Ruban A V: *see* Khmelevska T 6677
- Ruban A: *see* Landa A 5079
- Rubanov S: *see* Greentree A D 8825
- Rubi D and Fontcuberta J: Disclosing the origin of the reduced magnetoresistance in electron-doped double perovskites 7991
- Rücker U: *see* Paul A L149
- Rudowicz C, Brik M G, Avram N M, Yeung Y Y and Gnutek P: Crystal field analysis of the energy level structure of Cs₂NaAlF₆:Cr³⁺ 5221
- Rudowicz C: *see* Stefaniuk I 4751
- Rufoloni A: *see* Santoni A 10853
- Ruiz C M, Vigil O, Saucedo E, Contreras-Puente G and Bermúdez V: Bi doped CdTe: increasing potentialities of CdTe based solar cells 7163
- Ruiz-Chavarria S, Tavizon G and de la Mora P: The loss of anisotropy in MgB₂ with Sc substitution and its relation with the critical temperature 1403
- Ruiz-Larrea I, López-Echarri A, Díaz-Hernández J and Igartua J: Specific heat and thermodynamic functions for Cs₂CdBr₄ phase transitions 1649
- Ruiz-Osés M: *see* Mugarza A S27
- Rumpf H: *see* Erdem E 3861
- Ruoff A L: *see* Sun L 8573
- Ruoff R S: *see* Calabri L S2175
- Rurali R: *see* Kröger J S51
- Rusakov V S: *see* Kadyrzhanov K K 4113
- Rusakov V S: *see* Presniakov I A 8943
- Rusz J: *see* Biasini M L289
- Ruyter A: *see* Hong N H 6897
- Ryan D H: *see* Perry L K 5783
- Ryba-Romanowski W: *see* Gryk W 117
- Rydz A: *see* Martellucci S S2039
- Ryhänen S J, Säily V M J and Kinnunen P K J: Cationic lipid membranes—specific interactions with counter-ions S1139
- Saadi S: *see* Bahl C R H 4161
- Saalfrank P, Nest M, Andrianov I, Klamroth T, Kröner D and Beyvers S: Quantum dynamics of laser-induced desorption from metal and semiconductor surfaces, and related phenomena S1425
- Saatçi B, Ari M, Gündüz M, Meydaneri F, Bozoklu M and Durmuş S: Thermal and electrical conductivities of Cd–Zn alloys 10643
- Saatçi B and Pamuk H: Experimental determination of solid–liquid surface energy for Cd solid solution in Cd–Zn liquid solutions 10143
- Saboungi M-L: *see* Zanotti J-M S2391
- Sackmann E: Thermo-elasticity and adhesion as regulators of cell membrane architecture and function R785
- Sacramento P D: *see* Cardoso M 8623
- Sacramento P D: *see* Carmelo J M P 5191
- Saenko V S: *see* Tyutnev A P 6365
- Sáez-Puche R: *see* Jiménez-Melero E 7893
- Safarov V: *see* Bellini B S1817
- Safinya C R: *see* Raviv U S1271
- Safiullin K R: *see* Savinkov A V 6337
- Sagan V V: *see* Konstantinov V A 9901
- Sagdeo P R: *see* Anwar S 3455
- Sağlam M: *see* Aydoğan S 2665
- Saha K K: *see* Henk J 2601
- Sahadeva Reddy D: *see* Xiao J L155
- Said M: *see* Abdi-Ben Nasrallah S 3005
- Saika-Voivod I: *see* Zaccarelli E S2373
- Saikin S, Shen M and Cheng M-C: Spin dynamics in a compound semiconductor spintronic structure with a Schottky barrier 1535
- Säily V M J: *see* Ryhänen S J S1139
- Sakaguchi Y and Tamura K: Photodarkening in the nano- and microsecond domain: measurements of transient photoinduced absorption spectra of amorphous and liquid As₂Se₃ L331
- Sakai J: *see* Hong N H 6897
- Sakai T: *see* Maeshima N 4819
- Sakakibara T: *see* Sato H L297
- Sakamoto T, Wakeshima M and Hinatsu Y: Superconductivity in ternary chalcogenides Bi₂Ni₃X₂ (X = S, Se) 4417
- Sakamoto T: *see* Schmitz S S1943
- Sakarya S: *see* Jiménez-Melero E 7893
- Sakata T: *see* Avila M A 1585
- Saksl K, Jóvári P, Franz H, Zeng Q S, Liu J F and Jiang J Z: Atomic structure of Al₈₉La₆Ni₅ metallic glass 7579
- Sakurai H: *see* Kato M 669
- Sakurai Y: *see* Okada J T 7203
- Salak A N and Ferreira V M: Structure and dielectric properties of the (1–x)La(Mg_{1/2}Ti_{1/2})O_{3–x}(Na_{1/2}Bi_{1/2})TiO₃ microwave ceramics 5703
- Salamati H: *see* Eshraghi M 8281
- Salce B: *see* Derr J 2089
- Salje E K H and Zhang M: Hydrous species in ceramics for the encapsulation of nuclear waste: OH in zircon L277
- Salluzzo M: *see* Di Capua R 8195
- Salmassi F: *see* Yang S-H L259
- Salmon P S: Decay of the pair correlations and small-angle scattering for binary liquids and

- glasses 11443
- Salvarezza R C: *see* Vericat C R867
- Salvato G: *see* Silipigni L 5759
- Samarasekara P, Kumara N T R N and Yapa N U S: Sputtered copper oxide (CuO) thin films for gas sensor devices 2417
- Sambrook M R: *see* Benjamin S C S867
- Samoilov V N: *see* Tartaglino U 4143
- Samolyuk G D, Bud'ko S L, Morosan E, Antropov V P and Canfield P C: Electronic structure and anisotropic transport properties in hexagonal YPtIn and LuAgGe ternary compounds 1473
- Samoylenko Z A: *see* Ishchuk V M 11371
- Sampathkumaran E V: *see* Sangupta K L115
- Sampathkumaran E V: *see* Sengupta K L401
- Samsonenko N D, Samsonenko S N, Varyukhin V N and Kolupaeva Z I: Investigation of the unit cell parameter and dislocation structure of polycrystalline diamond films 5303
- Samsonenko S N: *see* Samsonenko N D 5303
- Samuel J, Sinha S and Ghosh A: DNA elasticity: topology of self-avoidance S253
- Samuel M, Menon C S and Unnikrishnan N V: Electrical conduction processes in as-deposited indium phthalocyanine chloride thin films using gold and aluminium electrode combination 135
- Sanchez J P: *see* Glazkov V N 2285
- Sanchez J-P: *see* Glazkov V N L429
- Sanchez J P: *see* Wills A S L37
- Sánchez M C: *see* Blasco J 2261
- Sánchez-Benítez J: *see* Falcón H 6841
- Sanchez Marcos J: *see* Chevalier B 6045
- Sánchez Marcos J: *see* de Pedro I 3767
- Sandalov I and Nazmitdinov R G: Nonlinear transport at the strong intra-dot Coulomb interaction L55
- Sanders G D: *see* Wang J R501
- Sandratskii L M: *see* Laref A 4177
- Sandratskii L M: *see* Wilks R G 10405
- Sangaletti L, Mozzati M C, Galinetto P, Azzoni C B, Speghini A, Bettinelli M and Calestani G: Ferromagnetism on a paramagnetic host background: the case of rutile TM:TiO₂ single crystals (TM = Cr, Mn, Fe, Co, Ni, Cu) 7643
- Sangupta K and Sampathkumaran E V: Single-ion Kondo behaviour of Ce in a novel Kondo lattice, CeNi₉Si₄ L115
- Sani E, Toncelli A and Tonelli M: Spectroscopy of Tm and Ho in KYF₄ single crystals 2057
- Sant C: *see* Abdelouahdi K 1913
- Santoni A, Jimenez Villacorta F, Rufoloni A and Mancini A: Growth of Au-catalysed Si nanowires by low pressure chemical vapour deposition on Si(100) and amorphous Si surfaces 10853
- Santos M L: *see* Ribeiro J L 7761
- Santucci S: *see* Phani A R 6965
- Sanvito S: *see* Fernández-Seivane L 7999
- Sapelkin A: *see* Balagurov L A 10999
- Sarangi S, Chockalingam S P, Mavinkurve R G, Bhat S V and Kumar N: Equipartition of current in parallel conductors on cooling through the superconducting transition L143
- Sari H: *see* Kasapoglu E 6263
- Sarkar N and Ghosh S: The temperature dependence of the band gap shrinkage due to the electron–phonon interaction in Al_xGa_{1-x}As 1687
- Sarkar S: *see* Basheed G A 6607
- Sarode P R: *see* Bhobe P A 10843
- Sarrao J L: *see* Demsar J R281
- Sarukura N: *see* Yamaga M 6033
- Sasa S: *see* Hayashi K 2825
- Sasaki A, Wakeshima M and Hinatsu Y: Magnetic and transport properties of lanthanide rhenates Ln₄Re₆O₁₉ (Ln = La, Pr, Nd) 9031
- Sasaki T: *see* Kato M 669
- Şaşıoğlu E: *see* Laref A 4177
- Şaşıoğlu E: *see* Özdoğan K 2905
- Sastry M D, Gustafsson H, Danilczuk M and Lund A: Dynamical effects and ergodicity in the dipolar glass phase: evidence from time-domain EPR and phase memory time studies of AsO₄³⁻ in Rb_{1-x}(NH₄)_xH₂PO₄ (x = 0, 0.5, 1) 4265
- Sastry V S: *see* Seetha Lakshmi L 4427
- Sata N: *see* Miyagi L S995
- Sathish N: *see* Dhamodaran S 4135
- Sato H, Matsuhira K, Tayama T, Hiroi Z, Takagi S and Sakakibara T: Ferromagnetic ordering on the triangular lattice in the pyrochlore spin-ice compound Dy₂Ti₂O₇ L297
- Sato H: *see* Sereni J G 3789
- Sato K: *see* Yano K 6891
- Sato N K: *see* Hiess A R437
- Sator N: *see* Coniglio A S2383
- Satriano S: *see* Carnazza S S2221
- Saucedo E: *see* Ruiz C M 7163
- Savariault J-M: *see* Gorev M 4407
- Savasta S: *see* Martino G 2367
- Savin S L P: *see* Chadwick A V L163
- Savinkov A V, Irisov D S, Malkin B Z, Safiullin K R, Suzuki H, Tagirov M S and Tayurskii D A: Anisotropic magnetic susceptibility and crystal field analysis in the Van Vleck paramagnet PrF₃ 6337
- Savory S: Disentangling the control electron in a two qubit solid state quantum gate S777
- Savory S: *see* Del Duce A S795
- Savory S: *see* Kerridge A S767
- Savran K, Hakioglu T, Mese E and Sevincli H: The off-resonant aspects of decoherence and a

- critique of the two-level approximation 345
- Sawada Y: *see* Ichimiya M 1967
- Saxena S K: *see* Singh A K S969
- Sa-yakanit V: *see* Khemmani S 2655
- Sazonov A P: *see* Khomchenko V A 9541
- Scagnoli V: *see* Mulders A M 11195
- Scardi P: *see* Amoruso S L49
- Šćepanović M: *see* Dohčević-Mitrović Z D S2061
- Schaaf P: *see* Binczycka H 10561
- Schaefer J A: *see* Cherkashinin G 9841
- Schall J D: *see* Gao G S1737
- Schefer J: *see* Fischer P 7975
- Scheffler R: *see* Zhou F 9651
- Schenck A, Gygax F N, Umeo K, Takabatake T and Andreica D: Anisotropic 4f-spin dynamics across the B - T phase diagram of Ce_7Ni_3 1955
- Scheuermann R: *see* Cox S F J 1061
- Schiferl D: *see* Chesnut G N S1083
- Schilf W: *see* Leniec G 9871
- Schiller F: *see* Mugarza A S27
- Schirmer O F: O^- bound small polarons in oxide materials R667
- Schmelcher P: *see* Ivanov M V 2963
- Schmid M: *see* Lundgren E R481
- Schmidt A A: *see* Rodríguez-Núñez J J 11561
- Schmidt A M: *see* Kaiser A S2563
- Schmidt H, Borchardt G, Geckle U, Bruns M and Baumann H: Comparative study of trap-limited hydrogen diffusion in amorphous SiC , $Si_{0.66}C_{0.33}N_{1.33}$, and $SiN_{1.33}$ films 5363
- Schmidt V H: *see* Chien R R 8337
- Schmiedeshoff G M: *see* Bud'ko S L 8353
- Schmitt M: *see* Campos C E M 8613
- Schmitz R: *see* Berkov D V S2595
- Schmitz S, Smith-Palmer J, Sakamoto T, Sellers J R and Veigel C: Walking mechanism of the intracellular cargo transporter myosin V S1943
- Schneider H: *see* Schreuer J 10977
- Schneider J M: *see* Music D 4071
- Schneider J M: *see* Music D 4389
- Schneider J M: *see* Music D 8877
- Schneider T: *see* Zhang N 11013
- Schnell I and Albers R C: Zirconium under pressure: phase transitions and thermodynamics 1483
- Schoiswohl J, Surnev S, Netzer F P and Kresse G: Vanadium oxide nanostructures: from zero- to three-dimensional R1
- Scholz Th: *see* Nethe A S2985
- Schönhart M: *see* El-Hagary M 4567
- Schönherr H P: *see* Friedland K-J 2641
- Schönherr H-P: *see* Hashimoto M 6101
- Schönherr H-P: *see* Muduli P K 9453
- Schreiber M: *see* Cerovski V Z 7155
- Schreiner W H: *see* de Moraes A R 1165
- Schreuer J, Burianek M, Mühlberg M, Winkler B, Wilson D J and Schneider H: Crystal growth and elastic properties of orthorhombic $Bi_2Ga_4O_9$ 10977
- Schreuer J: *see* Wiehl L 11067
- Schrezenmeier H: *see* Holzapfel V S2581
- Schröder E: *see* Borck Ø 1
- Schröder E: *see* Borck Ø 10751
- Schuck P: *see* Rabhi A 10249
- Schuhl A: *see* Tiusan C 941
- Schüler D: *see* Lang C S2815
- Schulz B: *see* Franco O 1459
- Schulz B: *see* Orgzall I 5269
- Schulze K D and Morgner H: Investigation of the electric charge structure and the dielectric permittivity at surfaces of solutions containing ionic surfactants 9823
- Schurtenberger P: *see* Bhat S L339
- Schurtenberger P: *see* Haro-Pérez C L363
- Schwalbe M, Pachmann K, Höffken K and Clement J H: Improvement of the separation of tumour cells from peripheral blood cells using magnetic nanoparticles S2865
- Schweizer K S: *see* Gopalakrishnan V 11531
- Schweizer S: *see* Henke B 1577
- Schwentner N: *see* Ney V S1603
- Schwingschlögl U: *see* Leonov I 10955
- Sciau P: *see* Gorev M 4407
- Sciortino F: *see* Starr F W L347
- Sciortino F: *see* Zaccarelli E S2373
- Scott J F: Absence of true critical exponents in relaxor ferroelectrics: the case for defect dynamics 7123
- Scott J F: Nanoferroelectrics: statics and dynamics R361
- Scott J F, Pirc R, Levstik A, Filipic C and Blinc R: Resolving the quantum criticality paradox in O-18 isotopic $SrTiO_3$ L205
- Scott J F: *see* Dawber M L71
- Scotti di Uccio U: *see* Di Capua R 8195
- Sebastian K L and Debnath A: Polymer in a double well: dynamics of translocation of short chains over a barrier S283
- Sébilléau D, Gunnella R, Wu Z-Y, Di Matteo S and Natoli C R: Multiple-scattering approach with complex potential in the interpretation of electron and photon spectroscopies R175
- Seddon J M: *see* Shearman G C S1105
- Seetha Lakshmi L, Sridharan V, Sukumar A A, Kamruddin M, Sastry V S and Raju V S: Double MITs and magnetoresistance: an intrinsic feature of Ru substituted $La_{0.67}Ca_{0.33}MnO_3$ 4427
- Seifert U: *see* Finken R L185
- Seliger C: *see* Jurgons R S2893
- Sell B C: *see* Yang S-H L259
- Sellers J R: *see* Schmitz S S1943
- Selvi E: *see* Ma Y S1075
- Semmelhack H-C: *see* Erdem E 3861

- Sen A: *see* Rao M N 6431
- Şenadim E, Kavak H and Esen R: The effect of annealing on structural and optical properties of ZnO thin films grown by pulsed filtered cathodic vacuum arc deposition 6391
- Señarís-Rodríguez M A: *see* Castro-Couceiro A 3803
- Senawiratne J: *see* Strassburg M 2615
- Senesi R: *see* Andreani C 5587
- Sengupta K and Sampathkumaran E V: An anomalous magnetic phase transition at 10 K in Nd₇Rh₃ L401
- Sengupta S, Lakshmi S and Pati S K: Effects of dimerization and spin polarization on the conductance of a molecular wire 9189
- Seno F: *see* Hoang T X S297
- Sensharma A and Mandal S S: 'Spin-spin' Hall effect in two dimensional electron systems with spin-orbit interaction 7349
- Senyshyn A: *see* Ranjan R 9679
- Senyshyn A: *see* Ranjan R L515
- Seo H-J: *see* Park S 1267
- Seo J: *see* Kobayashi E S1389
- Seo J H, Kang S J, Kim C Y, Yoo K-H and Whang C N: Energy level alignment of C₆₀/Co using x-ray and UV photoelectron spectroscopy S2055
- Seol J H: *see* Zhou F 9651
- Sereni J G, Pedrazzini P, Bauer E, Galatanu A, Aoki Y and Sato H: Detailed study of the CePd_{2-x}Ni_xAl₃ magnetic phase diagram around its critical concentration 3789
- Sereni J G: *see* Pikul A P L535
- Serghiou G: *see* Guillaume C 8651
- Seropegin Y: *see* Gribanov A 9593
- Serrano-Guisan S: *see* Abid M 6085
- Serrano Guisan S: *see* Fábíán A 1569
- Severini F: *see* Galfetti L S1991
- Sevinçli H: *see* Savran K 345
- Sfina N: *see* Abdi-Ben Nasrallah S 3005
- Shailos A, Ashok A, Bird J P, Akis R, Ferry D K, Goodnick S M, Lilly M P, Reno J L and Simmons J A: Linear conductance of quantum point contacts with deliberately broken symmetry 1715
- Shailos A, Bird J P, Lilly M P, Reno J L and Simmons J A: Spin-polarized transport through a quantum point contact in strongly quantizing magnetic fields: mimicking the 0.7 scenario 3277
- Shakhov A A: *see* Aminov L K 4985
- Shalimov A: *see* Kaganer V M 5047
- Sham L J: *see* Wang J R501
- Shan S T: *see* Xia L 3543
- Shanina B D: *see* Gavriljuk V G 7613
- Shao Y: *see* Tang F L 5579
- Shaporenko A, Zharnikov M, Feulner P and Menzel D: Quantitative analysis of temperature effects in radiation damage of thiolate-based self-assembled monolayers S1677
- Sharma A and Nolting W: Temperature dependent electronic correlation effects in GdN 7337
- Sharma A: *see* Brajpuria R 1197
- Sharma P U: *see* Vasoya N H 8063
- Sharma S M: *see* Panchal V 3917
- Sharma S M: *see* Panchal V 8241
- Sharma V: Phase transition in a-Se₈₅Te₁₅ thin film on thermal annealing 10279
- Shatz S: *see* Michez L A 4641
- Shchennikov V V: *see* Ovsyannikov S V L551
- Shearman G C, Ces O, Templer R H and Seddon J M: Inverse lyotropic phases of lipids and membrane curvature S1105
- Sheinerman A G: *see* Ovid'ko I A L225
- Shelykh I A: *see* Bagraev N T L567
- Shen B G: *see* Jia L 9999
- Shen B G: *see* Wang D J 741
- Shen G: *see* Meng Y S1097
- Shen J: *see* Huang S-P 5535
- Shen J: *see* Ren Z L379
- Shen J: *see* Xie Z 7171
- Shen J L: *see* Shu G W L543
- Shen M: *see* Chen H-Y 4543
- Shen M: *see* Saikin S 1535
- Shen R-R: *see* Zu F-Q 2817
- Shen Y X: *see* Wang W C 9911
- Sheptyakov D: *see* Fischer P 7975
- Sheu E Y: Small angle scattering and asphaltenes S2485
- Shew C-Y and Iwaki T: Modelling of the inhomogeneous interior of polymer gels 3549
- Shi C-S: *see* Xu X-L 1189
- Shi E-W: *see* Zhang H-W L477
- Shi H, Eglitis R I and Borstel G: *Ab initio* calculations of the BaF₂ bulk and surface F centres 8367
- Shi L: *see* Zhou F 9651
- Shi Q: *see* Zhong J 2789
- Shi X: *see* Zhao J-L 1495
- Shick A: *see* Yang S-H L259
- Shigiltchoff O A: *see* Gnatenko Yu P 9603
- Shih H T: *see* Su W B 6299
- Shih W-T: *see* Huang J Y 7593
- Shillcock J C and Lipowsky R: The computational route from bilayer membranes to vesicle fusion S1191
- Shimizu T: *see* Fujima T 3089
- Shimoda K and Okuno M: Molecular dynamics study of CaSiO₃-MgSiO₃ glasses under high pressure 6531
- Shin H: *see* Bigelow M S 3117
- Shin H J: *see* Han S W 7413
- Shin J S: *see* Kim C 9863
- Shiokawa Y: *see* Li D 3299
- Shiokawa Y: *see* Yubuta K 6109
- Shirinyan A, Wautelet M and Belogorodsky Y: Solubility diagram of the Cu-Ni

- nanosystem 2537
- Shiryaev A A, Iakoubovskii K, Grambole D and Dubrovinskaia N: Spectroscopic study of defects and inclusions in bulk poly- and nanocrystalline diamond aggregates L493
- Shiryaev S V: *see* Plakhty V P 3517
- Shitsevalova N: *see* Jäger B 2525
- Shorikov A O, Anisimov V I and Sigrist M: A band structure analysis of the coexistence of superconductivity and magnetism in (Ho,Dy)Ni₂B₂C 5973
- Shu D: *see* Han Y 4197
- Shu G W, Wu P F, Liu Y W, Wang J S, Shen J L, Lin T Y, Pong P J, Chi G C, Chang H J, Chen Y F and Lee Y C: Effects of rapid thermal annealing on the optical and electrical properties of InN epilayers L543
- Shu J F: *see* Hu J Z S1091
- Shu X: *see* Zhang Y 5121
- Shu J: *see* Mao H-K S963
- Shuai Z: *see* Geng H 87
- Shuba S, Mamchik A and Chen I-W: A-site substitution of SrRuO₃ using La, K and Pb 9215
- Shubnikov M L: *see* Laiho R 10291
- Shudo K: *see* Owa Y 5895
- Shudo K: *see* Takizawa J L209
- Shumeiko V S: *see* Johansson G S901
- Shyu F L, Tsai C C, Lee C H and Lin M F: Magneto-electronic properties of chiral carbon nanotubes and tori 8313
- Si J: *see* Guo J 5739
- Si S: *see* Thakur M 9093
- Sicot M: *see* Tiusan C 941
- Sics I: *see* Yang L S2421
- Sidorenko A V, Dorenbos P, Bos A J J, van Eijk C W E and Rodnyi P A: Lanthanide level location and charge carrier trapping in LiLnSiO₄:Ce³⁺,Sm³⁺, Ln = Y or Lu 4503
- Sieber B: Resistance of group III nitrides irradiated with a 10 keV electron beam; comparison of the cathodoluminescence emission of GaN quantum dots, quantum wells and (Al)GaN epitaxial layers 1033
- Sieradzki A: *see* Mączka M 2137
- Sievers W: *see* Surendra Babu S 1927
- Sigrist M: *see* Shorikov A O 5973
- Sikolenko V V: *see* Khomchenko V A 9541
- Sil S: *see* Gupta S 1987
- Silipigni L, De Luca G, Quattrone T, Monsù Scolaro L, Salvato G and Grasso V: An XPS analysis of the interaction of *meso*-tetrakis(*N*-methylpyridinium-4-yl)porphyrin with exfoliated manganese thiophosphate 5759
- Silkin N I: *see* Aminov L K 4985
- Silva E N, Ayala A P, Moreira R L and Gesland J-Y: Dielectric behaviour and phase transition of SrAlF₅ single crystals 2511
- Silva G G: *see* Patrício P S O 7529
- Simmons J A: *see* Shailos A 1715
- Simmons J A: *see* Shailos A 3277
- Simões C: *see* Monticelli L S329
- Simon Ch: *see* Raveau B 10237
- Simonet V: *see* Bordet P 5147
- Simonsen A C: *see* Mouritsen O G S1293
- Simpson P J: *see* Pi X D 9943
- Sing M: *see* Carmelo J M P 5191
- Singh A K, Liermann H P, Saxena S K, Mao H K and Usha Devi S: Nonhydrostatic compression of gold powder to 60 GPa in a diamond anvil cell: estimation of compressive strength from x-ray diffraction data S969
- Singh A K: *see* Mao H-K S963
- Singh D P: *see* Chandra A 2977
- Singh H K: *see* Siwach P K 9783
- Singh N: *see* Aouadi S M 1977
- Singh N: *see* Aouadi S M S1691
- Singh N: *see* Kumar V 5029
- Singh N K, Suresh K G, Rana D S, Nigam A K and Malik S K: Role of Fe substitution on the anomalous magnetocaloric and magnetoresistance behaviour in Tb(Ni_{1-x}Fe_x)₂ compounds 10775
- Singh P P: *see* Joseph P J T 5333
- Singh R N: *see* George A K 3691
- Singh S, Tankeshwar K, Pathak K N and Ranganathan S: The heat current density correlation function: sum rules and thermal conductivity 1395
- Singh S: *see* Agrawal B K 4649
- Singha Deo P and Manninen M: Importance of individual scattering matrix elements at Fano resonances 5313
- Sinha G, Adhikary K and Chaudhuri S: Optical properties of nanocrystalline α -GaO(OH) thin films 2409
- Sinha G, Ganguli D and Chaudhuri S: Crystallization and optical properties of finite sized β -Ga₂O₃ in sol-gel derived Ga₂O₃:SiO₂ nanocomposites 11167
- Sinha S: *see* Samuel J S253
- Siokou A, Kalyva M, Yannopoulos S N, Frumar M and Nemeč P: Photoemission studies of As_xSe_{100-x} (x : 0, 50, 100) films prepared by pulsed-laser deposition—the effect of annealing 5525
- Siqueiros J M: *see* Mata J 10509
- Siquieri R: *see* Emmerich H 11121
- Sirkeli V P: *see* Nedeoglo N D 8113
- Sitarek P: *see* Hsu H P 5927
- Sivakumar K M: *see* Rao A 2955
- Siwach P K, Singh H K and Srivastava O N: Influence of strain relaxation on magnetotransport properties of epitaxial La_{0.7}Ca_{0.3}MnO₃ films 9783

- Skinner L B, Barnes A C and Crichton W: Novel behaviour and structure of new glasses of the type Ba–Al–O and Ba–Al–Ti–O produced by aerodynamic levitation and laser heating [L407](#)
- Sklyadneva I Yu, Leonardo A, Echenique P M, Ereemeev S V and Chulkov E V: Electron–phonon contribution to the phonon and excited electron (hole) linewidths in bulk Pd [7923](#)
- Skoczeń Ł: *see* Ślebarski A [10319](#)
- Skripov A V, Gonzalez M A and Hempelmann R: Evidence for a two-site localized hydrogen motion in C15-type $\text{Y Mn}_2\text{H}_x$ [7249](#)
- Skubenko P A: *see* Gamernyk R V [5323](#)
- Skumiel A: *see* Józefczak A [1869](#)
- Slachmuylders A F, Partoens B, Magnus W and Peeters F M: Exciton states in cylindrical nanowires [3951](#)
- Slavchov R, Ivanov T and Radoev B: Effect of the surface polarizability on electrostatic screening in semiconductors [5873](#)
- Ślawska-Waniewska A, Grafoute M and Greneche J M: Magnetic coupling and spin structure in nanocrystalline iron powders [2235](#)
- Ślebarski A, Goraus J, Deniszczyk J and Skoczeń Ł: Electronic structure, magnetic properties and electrical resistivity of the $\text{Fe}_2\text{V}_{1-x}\text{Ti}_x\text{Al}$ Heusler alloys: experiment and calculation [10319](#)
- Slipko V A: *see* Adamenko I N [2805](#)
- Slipko V A: *see* Adamenko I N [10179](#)
- Slivka V Yu: *see* Gamernyk R V [5323](#)
- Sliwinska-Bartkowiak M: *see* Alba-Simionesco C [R15](#)
- Sloan P A and Palmer R E: Manipulation of polyatomic molecules with the scanning tunnelling microscope at room temperature: chlorobenzene adsorption and desorption from $\text{Si}(111)-(7 \times 7)$ [S1873](#)
- Śłodczyk A: *see* Kania A [9625](#)
- Śloma P: *see* Malinowska-Adamska C [751](#)
- Smerdon J A: *see* Noakes T C Q [5017](#)
- Smiri L: *see* Ammar S [9055](#)
- Smirmov A I: *see* Glazkov V N [2285](#)
- Smith L J: *see* Zanotti J-M [S2391](#)
- Smith M E: *see* Chadwick A V [L163](#)
- Smith M E: *see* Larson C [11323](#)
- Smith-Palmer J: *see* Schmitz S [S1943](#)
- Smolentsev G, Soldatov A V, D’Acapito F, Polzonetti G and Fratoddi I: Local structure parameters through the fitting of XANES spectra using a multidimensional interpolation: application to the Pd K-edge of Pd-diethynylbiphenyl polymer [759](#)
- Smolentsev G, Soldatov A V, Pascarelli S and Aquilanti G: Fitting of crystal structure parameters of InAs under high pressure: quantitative XANES analysis using a multidimensional interpolation approach [7393](#)
- Smoljak I B: *see* Melnikov O V [3753](#)
- Smolyaninova V N: *see* Nelson C S [997](#)
- Snegirev V V: *see* Kazei Z A [10445](#)
- Sobolev A V: *see* Presniakov I A [8943](#)
- Sobolev V L: *see* Ishchuk V M [11371](#)
- Söderlind P: *see* Landa A [5079](#)
- Soininen J A, Mattila A, Rehr J J, Galambosi S and Hämäläinen K: Experimental determination of the core-excited electron density of states [7327](#)
- Sokmen I: *see* Kasapoglu E [6263](#)
- Sokońska I: *see* Kück S [5447](#)
- Soldatov A: *see* Balasubramanian C [S2095](#)
- Soldatov A V: *see* Smolentsev G [759](#)
- Soldatov A V: *see* Smolentsev G [7393](#)
- Solovieva N: *see* Nikl M [3069](#)
- Somani R H: *see* Yang L [S2421](#)
- Song C: *see* Wei X X [7471](#)
- Song H Q: *see* Yan S S [10469](#)
- Song Q: *see* Strassburg M [2615](#)
- Song S H, Jung M H and Lim S H: Magnetic phases in Ge–Fe thin films containing high Fe content [11263](#)
- Song W: *see* Lü M F [1601](#)
- Sonoda S, Tanaka I, Ikeno H, Yamamoto T, Oba F, Araki T, Yamamoto Y, Suga K, Nanishi Y, Akasaka Y, Kindo K and Hori H: Coexistence of Mn^{2+} and Mn^{3+} in ferromagnetic GaMnN [4615](#)
- Soriano S, Dufour C, Dumesnil K and Stunault A: Propagation of Nd magnetic phases in Nd/Sm(001) superlattices [4127](#)
- Soriano S, Dufour C, Dumesnil K and Stunault A: New magnetic phase and magnetic coherence in Nd/Sm(001) superlattices [4995](#)
- Sorieul S, Costantini J-M, Gosmain L, Calas G, Grob J-J and Thomé L: Study of damage in ion-irradiated α -SiC by optical spectroscopy [8493](#)
- Sorieul S, Costantini J-M, Gosmain L, Thomé L and Grob J-J: Raman spectroscopy study of heavy-ion-irradiated α -SiC [5235](#)
- Sosnowska I: *see* Przeniosło R [2069](#)
- Soulé de Bas B, Ford M J and Cortie M B: Melting in small gold clusters: a density functional molecular dynamics study [55](#)
- Soyalp F: *see* Ugur G [6777](#)
- Spadaro C, Dispenza C and Sunseri C: Influence of nanoporous structure on mechanical strength of aluminium and aluminium alloy adhesive structural joints [S2007](#)
- Spaepen F: *see* Pozdnyakova I [6469](#)
- Spanjaard D: *see* Autès G [6785](#)
- Sparks C J: *see* Nicholson D M C [11585](#)

- Spasova M: *see* Kebe Th 8791
- Speghini A: *see* Babu S S 3975
- Speghini A: *see* Balakrishnaiah R 165
- Speghini A: *see* Bettinelli M S2149
- Speghini A: *see* Caldiño U 3499
- Speghini A: *see* Sangaletti L 7643
- Spence J C H: *see* Jiang N 8029
- Speziale S, Lonardelli I, Miyagi L, Pehl J, Tommaseo C E and Wenk H-R: Deformation experiments in the diamond-anvil cell: texture in copper to 30 GPa S1007
- Speziale S: *see* Wenk H-R S933
- Spiller T P and Munro W J: Towards a quantum information technology industry VI
- Sprik R: *see* Wu Y L 4461
- Sreenivas K: *see* Kumar S 3343
- Sridharan V: *see* Seetha Lakshmi L 4427
- Srinivasan G: *see* Zhang N 11013
- Srinivasan T: *see* Dhamodaran S 4135
- Srivastava C M: The critical temperature of a superconductor on a possible $E \cdot p$ mediated pairing mechanism 143
- Srivastava G P: *see* Tütüncü H M 11089
- Srivastava O N: *see* Siwach P K 9783
- Srivastava R: *see* Agrawal B K 4649
- Srivastava R: *see* Agrawal B K 10115
- Srivastava S K, Mishra S N and Das G P: Spin fluctuations of isolated Fe impurities in Pd-based dilute alloys: effect of ferromagnetic host spin polarization 9463
- Stadler S: *see* Aouadi S M 1977
- Stadnik Z M and Wang P: Physical properties of the icosahedral quasicrystal $\text{Al}_{60}\text{Cr}_{19.9}\text{Fe}_{0.1}\text{Ge}_{20}$ 8383
- Stahl K: *see* Wang H 10817
- Stahlmann H-D: *see* Nethé A S2985
- Staia M H, D'Alessandria M, Quinto D T, Roudet F and Marsal Astort M: High-temperature tribological characterization of commercial TiAlN coatings S1727
- Staiano M: *see* D'Auria S S2019
- Stanciu V: *see* Kamali-M S 5807
- Stanescu S: *see* Wilkins S B L323
- Stankiewicz A, Cach R and Dacko S: Nonlinear dielectric properties and temperature stabilization effect near the ferroelectric phase transition in sodium trihydrogen selenite 3993
- Stanley H E: *see* Xu L S2239
- Stano P, Wehrli E and Luisi P L: Insights into the self-reproduction of oleate vesicles S2231
- Stanton C J: *see* Wang J R501
- Starostin E L: On the perfect hexagonal packing of rods S187
- Starr F W and Sciortino F: Model for assembly and gelation of four-armed DNA dendrimers L347
- Stasiak A: *see* Rosa A S235
- Stasiak A: *see* Weber C S161
- Staub U, Tanaka Y, Katsumata K, Kikkawa A, Kuramoto Y and Onuki Y: Influence of stress and magnetic field on the orbital orientations in CeB_6 11007
- Staub U: *see* Mulders A M 11195
- Steenvoorden M P: *see* Jiménez-Melero E 7893
- Stefan M: *see* Nistor S V 719
- Stefaniuk I, Matkovskii A, Rudowicz C, Suchocki A, Wilamowski Z, Lukaszewicz T and Galazka Z: Electron paramagnetic resonance studies of cobalt and rare-earth impurity ions in YAlO_3 4751
- Steglich F: *see* Pikul A P L535
- Steinhoff U: *see* Eberbeck D S2829
- Stell G: *see* Ciach A 1629
- Stepanov Yu P: *see* Laiho R 10291
- Stepanov Yu P: *see* Orlova T S 6729
- Stepanyuk V S: *see* Huang R Z L217
- Stepanyuk V S: *see* Longo R C 9143
- Steren L B: *see* Varalda J 9105
- Stevanović V: *see* Milošević I 1939
- Stewart I W: *see* Belyakov V A 4443
- Stewart J R: *see* Coomer F C 8847
- Stock D: *see* Berkov D V S2595
- Stoeffler D and Etz C: *Ab initio* electronic structure and magnetism in Sr_2XMoO_6 (X = Fe or Co) double perovskite systems: a GGA and GGA+ U comparative study 11291
- Stojić N: *see* Wilkins S B L323
- Stokes H T: *see* Mishra S K 1885
- Stolbov S: *see* Mehmood F 8015
- Stoll E P: *see* Bersier C 7481
- Stolz W: *see* Krug von Nidda H-A 6071
- Stoneham A M: *see* Kerridge A S767
- Stopa T, Tobola J, Kaprzyk S, Hlil E K and Fruchart D: Resistivity and thermopower calculations in half-Heusler $\text{Ti}_{1-x}\text{Sc}_x\text{NiSn}$ alloys from the KKR-CPA method 6379
- Stosch R: *see* Marinova V L385
- Stott M J: *see* Delisle A 3591
- Stoykov A: *see* Cox S F J 1061
- Strassburg M, Kane M H, Asghar A, Song Q, Zhang Z J, Senawiratne J, Alevli M, Dietz N, Summers C J and Ferguson I T: The Fermi level dependence of the optical and magnetic properties of $\text{Ga}_{1-x}\text{Mn}_x\text{N}$ grown by metal-organic chemical vapour deposition 2615
- Streck S: *see* Hilger I S2951
- Strečka J: *see* Čanová L 4967
- Streetman B D: *see* Chesnut G N S1083
- Stride J A: *see* Coomer F C 8847
- Stromberg F, Keune W, Chen X, Bedanta S, Reuther H and Mücklich A: The origin of ferromagnetism in ^{57}Fe ion-implanted semiconducting 6H-polytype silicon

- carbide 9881
- Struth B: *see* Dootz R 5639
- Strydom A M: *see* Kini N S 8205
- Studer A J: *see* Wang J L 189
- Stunault A: *see* Soriano S 4127
- Stunault A: *see* Soriano S 4995
- Stupian G: *see* Sun L 8573
- Su J: *see* Jiang L 8563
- Su L: *see* Yan C 1325
- Su Q: *see* Zeng Q 9549
- Su R: *see* Cong G W 3081
- Su W B, Lu S M, Shih H T, Jiang C L, Chang C S and Tien T Tsong: Manifestation of the quantum size effect in transmission resonance 6299
- Su Y O: *see* Huang J H 3897
- Suárez M A: *see* Munoz R C 3401
- Suchocki A: *see* Stefaniuk I 4751
- Suchocki A: *see* Zhydachevskii Ya 5389
- Suchocki A: *see* Zhydachevskii Ya 11385
- Suekuni K: *see* Avila M A 1585
- Suga K: *see* Sonoda S 4615
- Sugak D: *see* Zhydachevskii Ya 5389
- Sugakov V I: *see* Komarov A V 7401
- Sugonyako A V: *see* Turkin A A 5655
- Sukhorukov Yu P: *see* Melnikov O V 3753
- Sukumar A A: *see* Seetha Lakshmi L 4427
- Sumii R: *see* Wada S-I 51629
- Summers C J: *see* Strassburg M 2615
- Sun B: *see* Han Y 4197
- Sun C: *see* Wang J R501
- Sun F: *see* Hu J 5415
- Sun H-T: *see* Fan W-B 3367
- Sun J: *see* Hu J 10837
- Sun J R: *see* Jia L 9999
- Sun J R: *see* Wang D J 741
- Sun L, Ruoff A L, Zha C-S and Stupian G: High pressure studies on silane to 210 GPa at 300 K: optical evidence of an insulator–semiconductor transition 8573
- Sun M, Sun Y, Wang A, Ma C, Li J, Cheng W and Liu F: The effect of atom mismatch on the fragility of supercooled Lennard-Jones binary mixtures 10889
- Sun P, Lu Q, Ikeno T, Kuwai T, Mizushima T and Isikawa Y: Dramatic evolution of magnetic properties induced by electronic change in $\text{Ce}(\text{Pd}_{1-x}\text{Ag}_x)_2\text{Al}_3$ 5715
- Sun Q-F: *see* Cheng S-G 10553
- Sun X S: *see* Wang F B 5835
- Sun Y: *see* Sun M 10889
- Sun Z: *see* Music D 4389
- Sun Z: *see* Music D 8877
- Sundar C S: *see* Govindaraj R 7651
- Šunjić M: *see* Despoja V 8217
- Šunjić M: *see* Marušić L 4253
- Sunseri C: *see* Spadaro C S2007
- Surendra Babu S, Babu P, Jayasankar C K, Tröster Th, Sievers W and Wortmann G: Photoluminescence from the $^5\text{D}_0$ level of Eu^{3+} ions in a phosphate glass under pressure 1927
- Suresh K G: *see* Banerjee D 4955
- Suresh K G: *see* Singh N K 10775
- Suri N, Bindra K S and Thangaraj R: Electrical conduction and photoconduction in $\text{Se}_{80-x}\text{Te}_{20}\text{Bi}_x$ thin films 9129
- Surkova T P: *see* Wilks R G 10405
- Surnev S: *see* Schoiswohl J R1
- Surovtsev N V, Adichtchev S V, Malinovsky V K, Kalinin A A and Pal'yanov Yu N: Fast relaxation intensity versus silica glass density: existence of sharp peculiarity 4763
- Sutton A P: *see* Valladares A 3735
- Suzuki H: *see* Savinkov A V 6337
- Suzuki I S: *see* Suzuki M 10391
- Suzuki M and Suzuki I S: Ageing dynamics of ferromagnetic and re-entrant spin glass phases in a stage-2 $\text{Cu}_{0.80}\text{Co}_{0.20}\text{Cl}_2$ graphite intercalation compound 10391
- Svane A: *see* Kanchana V 9615
- Svane A: *see* Lebègue S 6329
- Sverdlov V A: *see* Kinkhabwala Y A 1999
- Sverdlov V A: *see* Kinkhabwala Y A 2013
- Swiatek J: *see* Tabellout M 1143
- Świrkowicz R, Wilczyński M and Barnaś J: Spin-polarized transport through a single-level quantum dot in the Kondo regime 2291
- Symonds C: *see* Busoni L S1957
- Szadkowska H: *see* Tsamaloukas A S1125
- Szewczyk A: *see* Toliński T 3435
- Szklarz P: *see* Galazka M 7145
- Sznajd J: Renormalization of ferrimagnetic alternating spin chains 11047
- Szota K: *see* Drzewiński A 5069
- Szymczak H: *see* Khomchenko V A 9541
- Szymczak H: *see* Zubov E E 6699
- Szymczak P and Cieplak M: Stretching of proteins in a force-clamp L21
- Szymczak R: *see* Khomchenko V A 9541
- Szymonski M, Droba A, Goryl M, Kolodziej J J and Krok F: Alkali halide decomposition and desorption by photons—the role of excited point defects and surface topographies S1547
- Szytuła A, Jezierski A, Winiarski A, Penc B and Tran V H: Photoemission studies and electronic structure of $\text{U}_2\text{T}_2\text{In}$ (T = Ni, Rh, Pt) compounds 4355
- Tabellout M, Kassiba A, Tkaczyk S, Laskowski L and Swiatek J: Dielectric and EPR investigations of stoichiometry and interface effects in silicon carbide nanoparticles 1143
- Tadokoro M: *see* Watanabe K 8427
- Tadokoro M: *see* Watanabe K 9375
- Tagirov L R: *see* Vodopyanov B P 1545

- Tagirov M S: *see* Savinkov A V 6337
- Tai K P, Wang T L, Li J H and Liu B X:
Observations of distinct atomic packings in
Cu–Nb metallic glasses synthesized by ion
beam mixing L459
- Takabatake T: *see* Avila M A 1585
- Takabatake T: *see* Schenck A 1955
- Takacs J M: *see* Xiao J L155
- Takada K: *see* Kato M 669
- Takagi S: *see* Sato H L297
- Takahashi K: *see* Zhang Q G 7937
- Takahashi M, Nakatani T, Iwamoto S, Watanabe T
and Inoue M: Effect of modification by alkali
on the γ -Ga₂O₃–Al₂O₃ mixed oxides
prepared by the solvothermal method 5745
- Takahashi S: *see* Ohmasa Y 8449
- Takahashi Y and Nakano H: Magnetovolume
effect of itinerant electron ferromagnets 521
- Takayama-Muromachi E: *see* Kato M 669
- Takebe K: *see* Mita Y 5185
- Takemura K: *see* Olijnyk H 10971
- Takeuchi H: *see* Arakawa M 3053
- Takeuchi H: *see* Arakawa M 3053
- Takeya H: *see* Zhao S R 8533
- Takizawa J, Ohno S, Koizumi J, Shudo K and
Tanaka M: Real-time coverage monitoring of
initial oxidation processes on Si(001) by
means of surface differential reflectance L209
- Talaat H: *see* El-Brolosy T A 4189
- Talkner P: *see* Machura L 4111
- Tamargo M C: *see* Pagès O 577
- Tamura K: *see* Sakaguchi Y L331
- Tan X: *see* Qu W 8935
- Tan X-M, Kuang X-Y, Zhou K-W, Lu C and
Zhu Q-S: Spin-singlet contributions to
zero-field splitting of a 3d⁴ ion at a distorted
octahedral site and applications to Cr²⁺ ions in
Rb₂CrCl₄ and CrF₂ 1705
- Tanaka H K M, Kurihara T and Mills A P Jr:
Positronium time of flight measurements of
an open-pored spin-on low-*k* mesoporous
film 8581
- Tanaka H: *see* Araki T L193
- Tanaka H: *see* Araki T L305
- Tanaka H: *see* Kawakatsu T S2499
- Tanaka I: *see* Sonoda S 4615
- Tanaka K: *see* Wada S-I S1629
- Tanaka M: *see* Kobayashi E S1389
- Tanaka M: *see* Owa Y 5895
- Tanaka M: *see* Takizawa J L209
- Tanaka S: *see* Kobayashi E S1389
- Tanaka Y: *see* Staub U 11007
- Tanaka Y: *see* Yano K 6891
- Tandon N, Das G P and Kshirsagar A: Electronic
structure of diluted magnetic semiconductors
Ga_{1-x}Mn_xN and Ga_{1-x}Cr_xN 9245
- Tang B-Y: *see* Zhang W-B 9691
- Tang C S: *see* Yang C H 6201
- Tang D: *see* Chen J 6421
- Tang F L and Zhang X: Jahn–Teller energy
dependence of Curie temperature in
La_{1-x}(Ca/Sr)_xMnO₃ 7851
- Tang F L, Zhang X and Shao Y: Sr ion distribution
and local structure in La_{1-x}Sr_xMnO₃ 5579
- Tang S-H: *see* Qin Y-Q 1613
- Tanimura K and Kanasaki J: Excitation-induced
structural instability of semiconductor
surfaces S1479
- Tankeshwar K: *see* Singh S 1395
- Tankovsky N, Baerner K and Barey D A:
Oscillating bubble as a sensor of low
frequency electro-acoustic signals in
electrolytes 7605
- Tanner P A: *see* Faucher M D 8503
- Tao Z: *see* Yang S-J 11255
- Taormina A: *see* Keef T S375
- Tapasztó L, Márk G I, Koós A A, Lambin P and
Biró L P: Apparent diameter of carbon
nanotubes in scanning tunnelling microscopy
measurements 5793
- Taraphder A: *see* Bhaumik U 8251
- Taravillo M, Cáceres M, Núñez J and Baonza V G:
Thermodynamic regularities in compressed
liquids: II. The reduced bulk modulus 10213
- Taroso Gomes I: *see* Ribeiro J L 7761
- Tartaglia P: *see* Zaccarelli E S2373
- Tartaglino U, Samoilov V N and Persson B N J:
Role of surface roughness in
superlubricity 4143
- Tartaglino U: *see* Yang C 11521
- Tavizon G: *see* Ruiz-Chavarria S 1403
- Tayama T: *see* Sato H L297
- Taylor A J: *see* Demsar J R281
- Taylor J W: *see* Coomer F C 8847
- Taylor R: *see* Humphry M J S1837
- Tayurskii D A: *see* Savinkov A V 6337
- Tedenac J C: *see* Viennois R 5371
- Tegus O: *see* Ou Z Q 11577
- Tegus O: *see* Wang J L 189
- Teixeira J, Luzar A and Longeville S: Dynamics
of hydrogen bonds: how to probe their role in
the unusual properties of liquid water S2353
- Tejeda A: *see* Repain V S17
- Telegin A V: *see* Melnikov O V 3753
- Telling M T F: *see* Calandrini V S2363
- Temerov V: *see* Fischer P 7975
- Temperini M L A: *see* Fábregas I O 7863
- Templer R H: *see* Shearman G C S1105
- Terao K, Kabata H and Washizu M: Extending
chromosomal DNA in microstructures using
electroosmotic flow S653
- Termentzidis K, Hafner J and Mittendorfer F: A
density-functional theory study of the
adsorption of CO molecules on
Au/Ni(111) 10825
- Terrier C: *see* Fábrián A 1569

- Tessier-Lescourret C: *see* Poumellec B 2199
- Thakur M, De K, Giri S, Si S, Kotal A and Mandal T K: Interparticle interaction and size effect in polymer coated magnetite nanoparticles 9093
- Thangaraj R: *see* Suri N 9129
- Theil Kuhn L: *see* Bahl C R H 11203
- Theis W: *see* Horn K 435
- Theis-Bröhl K: *see* Radu F L29
- Therssen E: *see* Focsa C S1357
- Thiaudière D: *see* Pozdnyakova I 6469
- Thielecke H, Impidjati and Fuhr G R: Biopsy on living cells by ultra slow instrument movement S627
- Thilagam A and Lohe M A: Spin dynamics of low-dimensional excitons due to acoustic phonons 3157
- Thirunavukkuarasu K, Lichtenberg F and Kuntscher C A: Doping dependence of the optical properties of low-dimensional perovskite-related $\text{La}_{1-y}\text{Ca}_y\text{TiO}_{3.4+\delta}$ 9173
- Thomas B W M, Mead R N and Mountjoy G: A molecular dynamics study of the atomic structure of $(\text{CaO})_x(\text{Al}_2\text{O}_3)_{1-x}$ glass with $x = 0.625$ close to the eutectic 4697
- Thomé L: *see* Sorieul S 5235
- Thomé L: *see* Sorieul S 8493
- Thota S, Dutta T and Kumar J: On the sol-gel synthesis and thermal, structural, and magnetic studies of transition metal (Ni, Co, Mn) containing ZnO powders 2473
- Tian C-L, Liu F-S, Jing F-Q and Cai L-C: Five- and six-body effects on equation of state of solid ^4He 8103
- Tian D-C: *see* Xiong G 2029
- Tian H: *see* Hu C 4231
- Tian H F: *see* Zhu X H 4709
- Tian H F: *see* Zhu X H 10117
- Tian Y F: *see* Yan S S 10469
- Tian Y: *see* Wu Q 9519
- Tian Z: *see* Zeng Q 9549
- Tieleman D P, MacCallum J L, Ash W L, Kandt C, Xu Z and Monticelli L: Membrane protein simulations with a united-atom lipid and all-atom protein model: lipid-protein interactions, side chain transfer free energies and model proteins S1221
- Tigrine R: *see* Bourahla B 8683
- Timon V, Brand S, Clark S J and Abram R A: Molecular dynamics calculations of the thermal expansion properties and melting points of Si and Ge 3489
- Tiong K K: *see* Hsu H P 5927
- Tiong K-K: *see* Korotcov A 1121
- Tischendorf B C: *see* Hoppe U 1847
- Titantah J T, Lamoen D, Neyts E and Bogaerts A: The effect of hydrogen on the electronic and bonding properties of amorphous carbon 10803
- Tite T: *see* Pagès O 577
- Tiusan C, Sicot M, Faure-Vincent J, Hehn M, Bellouard C, Montaigne F, Andrieu S and Schuhl A: Static and dynamic aspects of spin tunnelling in crystalline magnetic tunnel junctions 941
- Tkaczyk S: *see* Tabellout M 1143
- Toan N M and Micheletti C: Inferring the effective thickness of polyelectrolytes from stretching measurements at various ionic strengths: applications to DNA and RNA S269
- Tobbeche S: *see* Merazga A 3721
- Tobin J G: *see* Komesu T 8829
- Tobiska L: *see* Lavrova O S2657
- Tobola J: *see* Stopa T 6379
- Tochihara H: *see* Mitani H 5057
- Todorov I T, Purton J A, Allan N L and Dove M T: Simulation of radiation damage in gadolinium pyrochlores 2217
- Tokii M and Matsumoto M: Magnetic Compton profiles of Fe by effective potentials 3639
- Tolédano P: *see* Katzke H 5129
- Tolédano P: *see* Machon D 3443
- Toliński T, Kowalczyk A, Szewczyk A and Gutowska M: Specific heat in CeNi_4Cu and YbNi_4Cu 3435
- Toliński T: *see* Tran V H 10353
- Tomaszewski J: *see* Malinowska-Adamska C 751
- Tombrello T A: *see* Nardi E 11357
- Tomellini M and Fanfoni M: Mean field approach for describing thin film morphology 4219
- Tomellini M: *see* Fanfoni M 8093
- Tominaga J: *see* Andrikopoulos K S 965
- Tominaga Y: *see* Mita Y 5185
- Tomisawa S, Wada S, Ohashi M and Oomi G: The effect of pressure on the low energy spin fluctuations in CeAl_2 investigated through ^{27}Al nuclear quadrupole resonance and nuclear magnetic resonance measurements 10413
- Tommaseo C E: *see* Speziale S S1007
- Tommaseo C E: *see* Wenk H-R S933
- Tommasi R: *see* Cassano T 5279
- Toncelli A: *see* Sani E 2057
- Tonelli M: *see* Sani E 2057
- Tong N-H: *see* Tornow S 5985
- Tonnerre J M: *see* Mulders A M 11195
- Tornberg L: *see* Johansson G S901
- Tornow S, Tong N-H and Bulla R: Dissipative exciton transfer in donor-bridge-acceptor systems: numerical renormalization group calculation of equilibrium properties 5985
- Torralba J M: *see* Wang Y 9257
- Torrelles X: *see* Vericat C R867
- Torres M and Kunold A: Photoconductivity in AC-driven modulated two-dimensional electron gas in a perpendicular magnetic

- field 4029
- Toscano D: *see* Martellucci S S2039
- Touat D, Ferhat M and Zaoui A: Dynamical behaviour in the boron III–V group: a first-principles study 3647
- Townsend P D: *see* Wang Y 9257
- Trachenko K: A stress relaxation approach to glass transition L251
- Trahms L: *see* Eberbeck D S2829
- Trahms L: *see* Jurgons R S2893
- Trajkov E: *see* Greentree A D S825
- Trallero-Giner C: *see* Menéndez-Proupin E 7283
- Tran V H and Bauer E: Specific heat and electronic transport properties of medium heavy-fermion compound U_2Rh_2In 4677
- Tran V H, Miiller W, Kowalczyk A, Toliński T and Chełkowska G: Intermediate valence behaviour of Yb in a new intermetallic compound $YbNi_{0.8}Al_{4.2}$ 10353
- Tran V H, Rogl P, André G and Bourée F: Electron correlation effects and ferromagnetic order in β - UB_2C 703
- Tran V H: *see* Szytuła A 4355
- Trani F: *see* Cantele G 2349
- Trari M: *see* Hadjarab B 8551
- Trepakov V A: *see* Heifets E 4845
- Tripathi S: *see* Brajpuria R 1197
- Tripodo G: *see* Carini G 3251
- Tripodo G: *see* Carini G 10915
- Troć R: *see* Mucha J 3097
- Tronc P: *see* Milošević I 1939
- Troper A: *see* Nóbrega E P 1275
- Tröster Th: *see* Surendra Babu S 1927
- Trovato A: *see* Hoang T X S297
- Troyanchuk I O: *see* Khomchenko V A 9541
- Truccato M, Agostino A, Rinaudo G, Cagliero S and Panetta M: Possible dominance of the Maki–Thompson process in the fluctuation conductivity of Bi-2212 superconducting whiskers 8295
- Trulove P C: *see* Henderson W A 10377
- Tsai C C: *see* Shyu F L 8313
- Tsai C-C: *see* Wang J-L 10457
- Tsai D-S: *see* Korotcov A 1121
- Tsai H M: *see* Pao C W 265
- Tsai J-L and Hsu C-J: Magnetic viscosity and microstructure of GePt/FePt films 7729
- Tsai M-H: *see* Pao C W 265
- Tsamaloukas A, Szadkowska H and Heerklotz H: Nonideal mixing in multicomponent lipid/detergent systems S1125
- Tschauner O: *see* Luo S-N 659
- Tsen K T, Kiang J G and Ferry D K: Subpicosecond transient Raman scattering studies of field-induced electron transport in an $In_{0.53}Ga_{0.47}As$ based p–i–n nanostructure: direct observation of the effects of electron momentum randomization L585
- Tsen K T, Kiang J G, Ferry D K, Kochelap V A, Komirenko S M, Kim K W and Morkoc H: Subpicosecond Raman studies of electric-field-induced optical phonon instability in an $In_{0.53}Ga_{0.47}As$ -based semiconductor nanostructure 7961
- Tseng H-Y: *see* Wang J-L 10457
- Tsobnang F: *see* Minisini B 2429
- Tsokol A O: *see* Ritter C 3937
- Tsong T T: *see* Su W B 6299
- Tsutsui S: *see* Okada J T L613
- Tu C-S: *see* Chien R R 8337
- Tu C W: *see* Buyanova I A 449
- Tuinier R: *see* Bhat S L339
- Turik A V, Yesis A A and Reznitchenko L A: Negative longitudinal electrostriction in polycrystalline ferroelectrics: a nonlinear approach 4839
- Turkebaev T E: *see* Kadyrzhanov K K 4113
- Turkin A A, Sugonyako A V, Vainshtein D I and den Hartog H W: Radiolysis of NaCl at high and low temperatures: development of size distribution of bubbles and colloids 5655
- Turos-Matysiak R, Gryk W, Grinberg M, Lin Y S and Liu R S: $Tb^{3+} \rightarrow Ce^{3+}$ energy transfer in Ce^{3+} -doped $Y_{3-x}Tb_xGd_{0.65}Al_5O_{12}$ 10531
- Turq P: *see* Mériquet G S2685
- Tursina A: *see* Gribanov A 9593
- Türüt A: *see* Aydoğan S 2665
- Tütüncü H M and Srivastava G P: Electronic structure, phonons and electron–phonon interaction in $MgXNi_3$ (X = B, C and N) 11089
- Twarock R: *see* Keef T S375
- Tyagi A K: *see* Chakraborty K R 8661
- Tyagi A K: *see* Panchal V 8241
- Typek J: *see* Leniec G 9871
- Tyryshkin A M, Morton J J L, Benjamin S C, Ardavan A, Briggs G A D, Ager J W and Lyon S A: Coherence of spin qubits in silicon S783
- Tyryshkin A M: *see* Benjamin S C S867
- Tyunina M: Size effects and dielectric behaviour in ferroelectric heterostructures 5725
- Tyutnev A P, Saenko V S, Pozhidaev E D and Kolesnikov V A: Charge carrier transport in polyvinylcarbazole 6365
- Ueda Y: *see* Popović Z V 7779
- Ugur G and Soyalp F: Electronic and phonon structures of $AuGa_2$ and $AuIn_2$ 6777
- Ulloa-Godínez S: *see* Campa-Molina J 4827
- Umehara I: *see* Yano K 6891
- Umehara M: Effects of the external magnetic field on the composition-fluctuation potentials in diluted magnetic semiconductors 6621
- Umeo K: *see* Schenck A 1955
- Unnikrishnan N V: *see* Samuel M 135

- Urbakh M: *see* Monroe C W 2837
 Urban K: *see* Horn K 435
 Usha Devi S: *see* Singh A K S969
 Ushakova A S, Govorun E N and Khokhlov A R:
 Globules of amphiphilic macromolecules 915
 Üstün E, Çadirlı E and Kaya H: Dendritic
 solidification and characterization of a
 succinonitrile–acetone alloy 7825
 Ustundag E: *see* Qu W 8935
 Uzdin V M and Demangeat C: Spin-density wave
 in Cr without the nesting property of the
 Fermi surface 2717
- Vaglio R: *see* Di Capua R 8195
 Vagner I D: *see* Lembrikov B I 3817
 Vail J M, Chevrier D K, Pandey R and
 Blanco M A: The nitrogen vacancy in
 aluminium nitride 2125
 Vainshtein D I: *see* Turkin A A 5655
 Vaitheeswaran G: *see* Kanchana V 5155
 Vaitheeswaran G: *see* Kanchana V 9615
 Valera M: *see* Rodríguez-Núñez J J 11561
 Valiente R: *see* García-Revilla S 11139
 Valladares A and Sutton A P: First principles
 simulations of antiphase defects on the SP 90°
 partial dislocation in silicon 3735
 van der Laan G: *see* Mulders A M 11195
 van der Werf D P: *see* Cox S F J 1079
 van Eijk C W E: *see* Birowosuto M D 6133
 van Eijk C W E: *see* Sidorenko A V 4503
 Van Garderen N: *see* Minisini B 2429
 Van Hove M: *see* Zhao Z 8693
 van Roij R: *see* Dijkstra M 825
 Van Workum K: *see* Gao G S1737
 Varalda J, Milano J, de Oliveira A J A,
 Kakuno E M, Mazzaro I, Mosca D H,
 Steren L B, Eddrief M, Marangolo M,
 Demaille D and Etgens V H: Thermal
 enhancement of the antiferromagnetic
 exchange coupling between Fe epilayers
 separated by a crystalline ZnSe spacer 9105
 Varga P: *see* Lundgren E R481
 Vargas R A: *see* Ortiz E 9561
 Vargiu A V: *see* Neri M S347
 Varma G D: *see* Gaur A 8837
 Varyukhin V N: *see* Samsonenko N D 5303
 Vasconcelos M S: *see* de Medeiros F F 8737
 Vasil'chenko E: *see* Nakonechnyi S 379
 Vasoya N H, Lakhani V K, Sharma P U,
 Modi K B, Kumar R and Joshi H H: Study on
 the electrical and dielectric behaviour of
 Zn-substituted cobalt ferrialuminates 8063
 Vaughan M: *see* Chen J S1049
 Vázquez H: *see* Bahl C R H 11203
 Veglio N: *see* Gutierrez J 9951
 Veigel C: *see* Schmitz S S1943
 Vekhter I: *see* Matsuda Y R705
 Vela M E: *see* Vericat C R867
 Veleva M: *see* Marinova V L385
 Velikanov D: *see* Fischer P 7975
 Velikokhatnyi O: *see* Landa A 5079
 Venables J A, Giordano L and Harding J H:
 Nucleation and growth on defect sites:
 experiment–theory comparison for
 Pd/MgO(001) S411
 Venkatesh R: *see* Pattabiraman M 11081
 Venturini F, Cezar J C, De Nadaı̄C, Canfield P C
 and Brookes N B: The Ce 4f electronic
 structure in CeCo₂Ge₂: a soft x-ray resonant
 photoemission investigation 9221
 Venuti V: *see* Crupi V 3563
 Vericat C, Vela M E, Benitez G A,
 Martin Gago J A, Torrelles X and
 Salvarezza R C: Surface characterization of
 sulfur and alkanethiol self-assembled
 monolayers on Au(111) R867
 Verma A K: *see* Garg A B 8523
 Verma A S and Bhardwaj S R: Correlation
 between ionic charge and ground-state
 properties in rocksalt and zinc blende
 structured solids 8603
 Verma H C: *see* Roy M K 72 Weiss M: *see*
 Mouritsen O G S129373
 Véron E: *see* Pozdnyakova I 6469
 Vertsimakha G V: *see* Komarov A V 7401
 Vidal B: *see* Meltchakov E 3355
 Vidal V: *see* Meltchakov E 3355
 Vieira L G: *see* Ribeiro J L 7761
 Viennois R, Charar S, Ravot D, Mauger A, Haen P
 and Tedenac J C: Transport and magnetic
 properties of Ce_zLa_{1-z}Fe₄Sb₁₂ 5371
 Vigil O: *see* Ruiz C M 7163
 Vijayakumar V: *see* Garg A B 8523
 Vikhnin V S: *see* Orlova T S 6729
 Vilão R C: *see* Cox S F J 1079
 Villeroy B: *see* Paul-Boncour V 6409
 Vinh L T: *see* Hung P K 9309
 Vinogradov A N: *see* Melnikov O V 3753
 Viovy J-L: *see* Pallandre A S665
 Virgilio M and Grosso G: Type-I alignment and
 direct fundamental gap in SiGe based
 heterostructures 1021
 Visser D: *see* Coomer F C 8847
 Vitale A: *see* D'Auria S S2019
 Vitiello M: *see* Amoruso S L49
 Vitos L: *see* Landa A 5079
 Vittoria C: *see* Yoon S D L355
 Vivien D: *see* Dantelle G 7905
 Vivien D: *see* Lupei A 597
 Vlachos D, Kamaratos M and Foulıas S D:
 Barium and oxygen interaction on the Ni(110)
 surface at low coverages studied by soft x-ray
 photoemission spectroscopy: Ba negative
 binding energy shifts and their correlation
 with Auger electron spectroscopy shifts 6997
 Vlcek J: *see* Houska J 2337

- Vodopyanov B P and Tagirov L R: Boundary resistance in magnetic multilayers 1545
- Voevodin A A: *see* Music D 4389
- Vogt P: *see* Chandola S 6979
- Vogt T: *see* Lufaso M W 8761
- Voigtmann Th and Poon W C K: Glasses under high pressure: a link to colloidal science? L465
- Volkova L M and Polyshchuk S A: The study of nearest- and next-nearest-neighbour magnetic interactions in seven tetragonal compounds of V(IV) containing linear chains and square lattices 11177
- Volz K: *see* Krug von Nidda H-A 6071
- von Boehm J: *see* Hynninen T 1561
- von Ranke P J: *see* Nóbrega E P 1275
- Voronin G A: *see* Wang Y 275
- Vourdas A: *see* Dajka J 1367
- Voyiatzis G A: *see* Andrikopoulos K S 965
- Vukmirović N, Ikončić Z, Indjin D and Harrison P: Symmetry-based calculation of single-particle states and intraband absorption in hexagonal GaN/AlN quantum dot superlattices 6249
- Vyalikh D V, Kirchner A, Kade A, Danzenbächer S, Dedkov Yu S, Mertig M and Molodtsov S L: Spectroscopic studies of the electronic properties of regularly arrayed two-dimensional protein layers S131
- Vysochanskii Yu M: *see* Yevych R M 4047
- Wäckelgård E: *see* Boström T K 7737
- Wada S: *see* Tomisawa S 10413
- Wada S-I, Kizaki H, Matsumoto Y, Sumii R and Tanaka K: Selective chemical bond breaking characteristically induced by resonant core excitation of ester compounds on a surface S1629
- Waddill G D: *see* Komesu T 8829
- Wagner J, Fischer B, Autenrieth T and Hempelmann R: Structure and dynamics of charged magnetic colloids S2697
- Wakeshima M: *see* Sakamoto T 4417
- Wakeshima M: *see* Sasaki A 9031
- Waki T: *see* Kato M 669
- Walker B G, Marzari N and Molteni C: Layering at liquid metal surfaces: Friedel oscillations and confinement effects L269
- Wallin S and Chan H S: Conformational entropic barriers in topology-dependent protein folding: perspectives from a simple native-centric polymer model S307
- Walmsley L: *see* Matos M 1793
- Walsöe de Reça N E: *see* Fábregas I O 7863
- Walton D R M: *see* Humphry M J S1837
- Wang A: *see* Sun M 10889
- Wang C R: *see* Pao C W 265
- Wang C Y: *see* Dang H L 8803
- Wang C-Y: *see* Meng T 10521
- Wang D J, Xie Y W, Shen B G and Sun J R: The transport properties of $\text{La}_{0.8}\text{Zr}_{0.2}\text{MnO}_3$ film 741
- Wang D-Y, Wu H-Y, Chen L-J, He W, Zhan Q-F and Cheng Z-H: Growth of honeycomb-symmetrical Mn nanodots arrays on Si(111)- 7×7 surfaces 6357
- Wang E G: *see* Yang Y 10165
- Wang F B, Li J, Wang P, Zhu X H, Zhang M J, Peng Z H, Li S L, Yong L P, Chen Y F, Sun X S and Zheng D N: Effect of oxygen content on the transport properties of $\text{LaTiO}_{3+\beta/2}$ thin films 5835
- Wang F-T: *see* Chien R R 8337
- Wang G F: *see* Ou Z Q 11577
- Wang H, Chen Y, Kaneta Y and Iwata S: First-principles investigation of the structural, electronic and optical properties of olivine- Si_3N_4 and olivine- Ge_3N_4 10663
- Wang H and Lewis J P: Second-generation photocatalytic materials: anion-doped TiO_2 421
- Wang H, Liu J F, Wu H P, He Y, Chen W, Wang Y, Zeng Y W, Wang Y W, Luo C J, Liu J, Hu T D, Stahl K and Jiang J Z: Phase transformation in nanocrystalline α -quartz GeO_2 up to 51.5 GPa 10817
- Wang H-T, Xu B and Wang Y: Field-induced condensation of magnons and long range order in $\text{BaCuSi}_2\text{O}_6$ 4719
- Wang J, Sun C, Hashimoto Y, Kono J, Khodaparast G A, Cywiński Ł, Sham L J, Sanders G D, Stanton C J and Munekata H: Ultrafast magneto-optics in ferromagnetic III-V semiconductors R501
- Wang J and Xing D Y: Spin current through quantum-dot spin valves 10437
- Wang J: *see* Han Y 4197
- Wang J: *see* Liao T 6183
- Wang J: *see* Liao T L527
- Wang J L, Campbell S J, Cadogan J M, Tegus O, Studer A J and Hofmann M: Magnetic properties of $\text{PrMn}_{2-x}\text{Fe}_x\text{Ge}_2$ — ^{57}Fe Mössbauer spectroscopy 189
- Wang J-L, Lai Y-S, Chiou B-S, Tseng H-Y, Tsai C-C, Juan C-P, Jan C-K and Cheng H-C: Study on fatigue and breakdown properties of Pt/(Pb,Sr) TiO_3 /Pt capacitors 10457
- Wang J L: *see* Anisimov V I 1695
- Wang J P: *see* Lü M F 1601
- Wang J S: *see* Shu G W L543
- Wang K: *see* Martin K N 459
- Wang K F: *see* Dong S L171
- Wang K: *see* Bowden G J 5861
- Wang L, Peng C, Wang Y and Zhang Y: Vittrification and crystallization of metallic liquid under pressures 7559
- Wang L: *see* Chen J S1049

- Wang L J, Gu Y, Dai B and Gong Q: Local dielectric resonance and collective response of randomly ordered metallic cells in composites 4515
- Wang L-K: *see* Lu H-L 5937
- Wang M: *see* Guo J 5739
- Wang M: *see* Qiao X 6937
- Wang M: *see* Wu Z 5425
- Wang P: *see* Stadnik Z M 8383
- Wang P: *see* Wang F B 5835
- Wang Q-H: *see* He X-M 2635
- Wang S-D: *see* Xiong G 2029
- Wang S Q, Ye H Q and Yip S: First-principles studies on the pressure dependences of the stress-strain relationship and elastic stability of semiconductors 395
- Wang S-Y: *see* Meng T 10521
- Wang T, Wang Y, Li F, Xu C and Zhou D: Morphology and magnetic behaviour of an Fe₃O₄ nanotube array 10545
- Wang T: *see* Zhang Y 5121
- Wang T L: *see* Tai K P L459
- Wang W C, Shen Y X, Li J H, Li X Y and Liu B X: Formation and structural transformation of the nonequilibrium phases in the Ru-Ta system induced by ion beam mixing 9911
- Wang W Z: *see* Wu F 3837
- Wang W Z: *see* Zhu L Y 6273
- Wang X: *see* Amoruso S L49
- Wang X: *see* Chi Z 4371
- Wang X: *see* Li Y 6953
- Wang X: *see* Wu H 7115
- Wang X R: *see* Xiong G 2029
- Wang X-S: *see* Kushvaha S S 3425
- Wang X-S: *see* Zilani M A K 6987
- Wang Y and Kantorovich L: Arrow diagram approach to nonorthogonal electron group functions in extended systems 295
- Wang Y, Milosevic O, Gomez L, Rabanal M E, Torralba J M, Yang B and Townsend P D: Thermoluminescence responses from europium doped gadolinium oxide 9257
- Wang Y, Voronin G A, Zerda T W and Winiarski A: SiC-CNT nanocomposites: high pressure reaction synthesis and characterization 275
- Wang Y and Zerda T W: The mechanism of the solid-state reaction between carbon nanotubes and nanocrystalline silicon under high pressure and at high temperature 2995
- Wang Y: *see* Wang H-T 4719
- Wang Y: *see* Wang H 10817
- Wang Y: *see* Wang L 7559
- Wang Y: *see* Wang T 10545
- Wang Y: *see* Xiong G 2029
- Wang Y: *see* Xu X-L 1189
- Wang Y: *see* Zhang L J 9917
- Wang Y: *see* Zhu J-L 6349
- Wang Y F: *see* Zhao Y 6193
- Wang Y W: *see* Wang H 10817
- Wang Z G: *see* Cong G W 3081
- Wannberg A: *see* Kaban I 2749
- Warchol S: *see* Zhydachevskii Ya 5389
- Wark J S: *see* Lings B 9231
- Wark J S: *see* Rosolankova K 6749
- Warren J B: *see* Panessa-Warren B J S2185
- Warschkow O: *see* Houska J 2337
- Washizu M: *see* Terao K S653
- Wastin F: *see* Colineau E 411
- Watanabe K, Oguni M, Tadokoro M and Nakamura R: Structural ordering and ice-like glass transition on cooling the nano-channel water formed within a crystalline framework 9375
- Watanabe K, Oguni M, Tadokoro M, Oohata Y and Nakamura R: Glass transition on the development of a hydrogen-bond network in nano-channel ice, and subsequent phase transitions of the ordering of hydrogen atom positions within the network in [Co(H₂bim)₃](TMA)-20H₂O 8427
- Watanabe T: *see* Takahashi M 5745
- Watanabe Y: *see* Okada J T 7203
- Watanabe Y: *see* Okada J T L613
- Wattiaux A: *see* Chevalier B 1743
- Wautelet M: *see* Shirinyan A 2537
- Webber J B W: *see* Liu E 10009
- Weber C, De Los Rios P, Dietler G and Stasiak A: Simulations of electrophoretic collisions of DNA knots with gel obstacles S161
- Weber H-P: *see* Machon D 3443
- Weber P: *see* Aurich K S2847
- Wee A T S: *see* Zilani M A K 6987
- Wehrli E: *see* Stano P S2231
- Wei H Y: *see* Cong G W 3081
- Wei X X, Song C, Geng K W, Zeng F, He B and Pan F: Local Fe structure and ferromagnetism in Fe-doped ZnO films 7471
- Weidner D J and Li L: Measurement of stress using synchrotron x-rays S1061
- Weidner D: *see* Chen J S1049
- Weiss C K: *see* Holzapfel V S2581
- Weitschies W: *see* Aurich K S2847
- Weitschies W: *see* Glöckl G S2935
- Wells J-P R, Grinberg M, Wynne K and Han T P J: Femtosecond pump-probe measurements of non-radiative relaxation in LiAlO₂:V³⁺ 3967
- Wendin G: *see* Johansson G S901
- Wenk H-R, Lonardelli I, Merkel S, Miyagi L, Pehl J, Speziale S and Tommaseo C E: Deformation textures produced in diamond anvil experiments, analysed in radial diffraction geometry S933
- Wenk H-R: *see* Miyagi L S995
- Wenk H-R: *see* Speziale S S1007
- Werheit H: On excitons and other gap states in

- boron carbide 10655
- Wesolowski T: *see* Garcia-Lastra J M 1519
- Wesselinowa J M: Influence of magnetic surface anisotropy on the dynamic properties in ferromagnetic thin films 8169
- Wessels P P F and Mulder B M:
Isotropic-to-nematic transition in liquid-crystalline heteropolymers: I. Formalism and main-chain liquid-crystalline polymers 9335
- Wessels P P F and Mulder B M:
Isotropic-to-nematic transition in liquid-crystalline heteropolymers: II. Side-chain liquid-crystalline polymers 9359
- Westphalen A: *see* Radu F L29
- Whang C N: *see* Seo J H S2055
- Wiedenmann A, Kammel M, Heinemann A and Keiderling U: Nanostructures and ordering phenomena in ferrofluids investigated using polarized small angle neutron scattering S2713
- Wiehl L, Schreuer J, Haussühl E, Winkler B, Removic-Langer K, Wolf B, Lang M and Milman V: Structural and magnetic properties of betaine adducts with transition metals: I. $((\text{CH}_3)_3\text{NCH}_2\text{COO})_3\text{MnMCl}_4$ with $\text{M} = \text{Mn}^{2+}, \text{Co}^{2+}, \text{Zn}^{2+}$ 11067
- Wiekhorst F: *see* Eberbeck D S2829
- Wierzbiński R: *see* Paul-Boncour V 6409
- Wilamowski Z: *see* Stefaniuk I 4751
- Wilczyński M: *see* R Świrkowicz 2291
- Wilkening M and Heitjans P: Extremely slow cation exchange processes in Li_4SiO_4 probed directly by two-time ^7Li stimulated-echo nuclear magnetic resonance spectroscopy 9849
- Wilking J N: *see* Mason T G R635
- Wilkins S B, Stojić N, Beale T A W, Binggeli N, Hatton P D, Bencok P, Stanescu S, Mitchell J F, Abbamonte P and Altarelli M: Separating the causes of orbital ordering in $\text{LaSr}_2\text{Mn}_2\text{O}_7$ using resonant soft x-ray diffraction L323
- Wilks R G, Kurmaev E Z, Sandratskii L M, Postnikov A V, Finkelstein L D, Surkova T P, Lopez-Rivera S A and Moewes A: An x-ray emission and density functional theory study of the electronic structure of $\text{Zn}_{1-x}\text{Mn}_x\text{S}$ 10405
- Will I G: *see* Morley N A 8781
- Williams M: *see* Aouadi S M 1977
- Williams M: *see* Aouadi S M S1691
- Wills A S, Zhitomirsky M E, Canals B, Sanchez J P, Bonville P, Dalmas de Réotier P and Yaouanc A: Magnetic ordering in $\text{Gd}_2\text{Sn}_2\text{O}_7$: the archetypal Heisenberg pyrochlore antiferromagnet L37
- Wilson D J: *see* Schreuer J 10977
- Wilson J A: Structural matters in HTSC: the origin and form of stripe organization and checkerboarding R69
- Wilson S R: *see* Burden C J 5545
- Wiltshire M C K, Pendry J B and Hajnal J V: Sub-wavelength imaging at radio frequency L315
- Winiarski A: *see* Szytuła A 4355
- Winiarski A: *see* Wang Y 275
- Winkler B: *see* Schreuer J 10977
- Winkler B: *see* Wiehl L 11067
- Wise P L: *see* Woodward D I 2401
- Wiser Nathan: *see* Michez L A 4641
- Wisniewski A: *see* Markovich V 9201
- Wizent N: *see* Lisunov K G 8541
- Wöhlecke M: *see* Goulkov M 3037
- Woike Th: *see* Goulkov M 3037
- Woike Th: *see* Hartwig U L447
- Woike Th: *see* Olimov Kh 5135
- Wojciechowska A: *see* Pędziwiatr A T 8891
- Wojtaś M: *see* Czupiński O 3307
- Wojtowicz T: *see* Komarov A V 7401
- Wolf B: *see* Wiehl L 11067
- Wolf W: *see* Jäger B 2525
- Wolverton C: *see* Nicholson D M C 11585
- Wong S S: *see* Panessa-Warren B J S2185
- Wood B and Foulkes W M C: Improved many-electron wavefunctions from plasmon normal modes 2305
- Woodward D I, Wise P L, Lee W E and Reaney I M: Space group symmetry of $(\text{Ca}_x\text{Sr}_{1-x})\text{TiO}_3$ determined using electron diffraction 2401
- Woodward D I: *see* Zheng H 7051
- Woodworth R, Mizel A and Lidar D A: Few-body spin couplings and their implications for universal quantum computation S721
- Wooldridge J, Paul D McK, Balakrishnan G and Lees M R: The magnetic field and pressure dependence of the magnetic ordering transition in Na_xCoO_2 ($0.6 \leq x \leq 0.72$) 4731
- Woollam J A: *see* Aouadi S M 1977
- Woollam J A: *see* Aouadi S M S1691
- Wortmann G: *see* Surendra Babu S 1927
- Wrachtrup J and Jelezko F: Processing quantum information in diamond S807
- Wright A F: *see* Lippert R A 4295
- Wróbel P, Maciag A and Eder R: Bond-centred, bond-ordered stripes in doped antiferromagnets 1249
- Wróbel P, Maciag A and Eder R: ARPES spectra from cuprates in the bond-ordered, bond-centred stripe phase 9749
- Wu D-S: *see* Huang S-P 5535
- Wu D-S: *see* Xie Z 7171
- Wu F and Wang W Z: Quasi-one-dimensional Heisenberg antiferromagnetic model for an

- organic polymeric chain 3837
- Wu G Y: *see* Pan C T 1781
- Wu H, Deng K, Lu G, Yuan Y, Yang J and Wang X: Geometric and electronic properties of $\text{Sc}_2\text{C}_2@C_{84}$ 7115
- Wu H: *see* Huang S 7135
- Wu H P: *see* Wang H 10817
- Wu H Y, Zhang H, Cheng X L and Liu Z J: Structure and thermal properties of the compound $\text{Li}_3\text{AlB}_2\text{O}_6$ 6665
- Wu H-Y: *see* Wang D-Y 6357
- Wu J J: *see* Cong G W 3081
- Wu P F: *see* Shu G W L543
- Wu Q, Liu Z, Hu Q, Li H, He J, Yu D, Li D and Tian Y: The thermal expansion of a highly crystalline hexagonal BC_2N compound synthesized under high temperature and pressure 9519
- Wu R Q, Peng G W, Liu L and Feng Y P: Possible graphitic-boron-nitride-based metal-free molecular magnets from first principles study 569
- Wu R Q: *see* Gillingham D M 9135
- Wu W C: *see* Liu C S 9659
- Wu X, Qin S and Wu Z: Generalized gradient approximation calculations of the pressure-induced phase transition of YAlO_3 perovskite 3907
- Wu X: *see* Baribeau J-M R139
- Wu X L: *see* Zhang W J 9937
- Wu Y L, Sprik R, Poon W C K and Eiser E: Effect of salt on the phase behaviour of F68 triblock PEO/PPO/PEO copolymer 4461
- Wu Y N, Zhao G, Liu C S and Zhu Z G: Structure and properties of liquid InSb alloy below and above the melting point: *ab initio* molecular dynamics simulations 4471
- Wu Z, Bao Y-J, Yu G-W, Wang M, Peng R-W, Fleury V, Hao X-P and Ming N-B: Characterization of periodically nanostructured copper filaments self-organized by electrodeposition 5425
- Wu Z: *see* Wu X 3907
- Wu Z J: *see* Lü M F 1601
- Wu Z-Y: *see* Sébilleau D R175
- Wurmehl S, Kandpal H C, Fecher G H and Felser C: Valence electron rules for prediction of half-metallic compensated-ferrimagnetic behaviour of Heusler compounds with complete spin polarization 6171
- Wyatt A F G: *see* Adamenko I N 2805
- Wyatt A F G: *see* Adamenko I N 10179
- Wynne K: *see* Wells J-P R 3967
- Wynveen A: *see* Lee D J 787
- Xi Y: *see* Zu F-Q 2817
- Xia J B: *see* Zhang X W 3107
- Xia J B: *see* Zhang X W 4945
- Xia L, Ding D, Shan S T and Dong Y D: The glass forming ability of Cu-rich Cu–Hf binary alloys 3543
- Xiao B: *see* Zhang H-W L477
- Xiao J, Rosa L G, Poulsen M, Feng D-Q, Sahadeva Reddy D, Takacs J M, Cai L, Zhang J, Ducharme S and Dowben P A: Comparison of the electronic structure of two polymers with strong dipole ordering L155
- Xiao W: *see* Kushvaha S S 3425
- Xie W-H: *see* Zhao Y-H 10259
- Xie X C: *see* Cheng S-G 10553
- Xie X C: *see* Xiong G 2029
- Xie Y W: *see* Wang D J 741
- Xie Z, Cheng W-D, Wu D-S, Lan Y-Z, Huang S-P, Hu J-M and Shen J: *Ab initio* study of ferromagnetic semiconductor $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$ 7171
- Xin H P: *see* Buyanova I A 449
- Xing D Y: *see* He G L 7841
- Xing D Y: *see* Wang J 10437
- Xiong G, Wang S-D, Niu Q, Wang Y, Xie X C, Tian D-C and Wang X R: Possible existence of a band of extended states induced by inter-Landau-band mixing in a quantum Hall system 2029
- Xiong S-J: *see* Xu Q-Q 10269
- Xu B: *see* Wang H-T 4719
- Xu B: *see* Zheng R K 5905
- Xu C, Bai L and Giles N C: Effect of free carriers on electron mass and infrared absorption in n-type CdGeAs_2 2741
- Xu C: *see* Wang T 10545
- Xu H: *see* Zilani M A K 6987
- Xu H Q: *see* Zhang L 11103
- Xu J: *see* Li S 3527
- Xu J: *see* Yan C 1325
- Xu L, Ehrenberg I, Buldyrev S V and Stanley H E: Relationship between the liquid–liquid phase transition and dynamic behaviour in the Jagla model S2239
- Xu L: *see* Hu C 4231
- Xu M and Jiang S: Breaking of the overall permutation symmetry in nonlinear optical susceptibilities of one-dimensional periodic dimerized Hückel model 8987
- Xu M: *see* Lu H-L 5937
- Xu Q-Q and Xiong S-J: Non-equilibrium transport in a series of quantum dots 10269
- Xu W: *see* Yang C H 6201
- Xu X: *see* Yan C 1325
- Xu X-L, Lu L, Wang Y and Shi C-S: Photoluminescence and structure properties of $\text{Zn}_{1-x}\text{Mg}_x\text{O}$ films grown by RF magnetron sputtering 1189
- Xu Y: *see* Yang J 9287
- Xu Y B: *see* Morley N A 8781
- Xu Z: *see* Ren Z L379

- Xu Z: *see* Tieleman D P [S1221](#)
Xu Z A: *see* Zhao S R [8533](#)
- Yabashi S: *see* Yamaga M [6033](#)
Yablonskikh M V, Berger R, Gelius U, Lizárraga R, Charikova T B, Kurmaev E Z and Moewes A: On the bonding situation in TiCo_2Se_2 [1757](#)
Yadav K L: *see* Kumar M [L503](#)
Yadav P S, Yadav R K, Agrawal S and Agrawal B K: *Ab initio* study of the physical properties of binary Si_mC_n ($m + n \leq 5$) nanoclusters [7085](#)
Yadav R K: *see* Yadav P S [7085](#)
Yagi T: *see* Miyagi L [S995](#)
Yakub E, Ronchi C and Iosilevski I: Thermodynamic model of solid non-stoichiometric uranium dioxide [1227](#)
Yamada I: *see* Ishizuka M [2935](#)
Yamada K, Nonomura M and Ohta T: *Fddd* structure in AB-type diblock copolymers [L421](#)
Yamada K: *see* Kondo S [5911](#)
Yamaga M, Hayashi E, Kodama N, Itoh K, Yabashi S, Masui Y, Ono S, Sarukura N, Han T P J and Gallagher H G: Vacuum ultraviolet spectroscopy of Ce^{3+} -doped SrMgF_4 with superlattice structure [6033](#)
Yamaguchi H, Oshikiri T and Harada A: Rotaxanes with unidirectional cyclodextrin array [S1809](#)
Yamamoto H M: *see* Nad F [L509](#)
Yamamoto R: *see* Zhang Y [5121](#)
Yamamoto T: *see* Sonoda S [4615](#)
Yamamoto Y: *see* Sonoda S [4615](#)
Yamamura T: *see* Yubuta K [6109](#)
Yamashita Y: *see* Yasuda N [7659](#)
Yan C, Zhao G, Su L, Xu X, Zhang L and Xu J: Growth and spectroscopic characteristics of $\text{Yb}:\text{GSO}$ single crystal [1325](#)
Yan J: *see* Bi C Z [2553](#)
Yan Q W: *see* Yin W [9975](#)
Yan S S, Liu J P, Mei L M, Tian Y F, Song H Q, Chen Y X and Liu G L: Spin-dependent variable range hopping and magnetoresistance in $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ and $\text{Zn}_{1-x}\text{Co}_x\text{O}$ magnetic semiconductor films [10469](#)
Yan Z: *see* Kushvaha S S [3425](#)
Yáñez-Vilar S: *see* Castro-Couceiro A [3803](#)
Yang A: *see* Yoon S D [L355](#)
Yang B: *see* Wang Y [9257](#)
Yang C, Tartaglino U and Persson B N J: How do liquids confined at the nanoscale influence adhesion? [11521](#)
Yang C H, Xu W, Zeng Z and Tang C S: Spin-splitting enhanced by many-body effects in a two-dimensional electron gas in the presence of the Rashba spin-orbit interaction [6201](#)
Yang D: *see* Chen J [11131](#)
Yang H: *see* Chi Z [4371](#)
Yang H D: *see* Paul-Boncour V [6409](#)
Yang J, Xu Y, Zhang F and Guillot M: The effects of the spin-orbit coupling strength of the two configurations of rare-earth ions on the magneto-optical properties in garnets [9287](#)
Yang J: *see* Wu H [7115](#)
Yang L, Somani R H, Sics I, Hsiao B S, Kolb R and Lohse D: The role of high molecular weight chains in flow-induced crystallization precursor structures [S2421](#)
Yang L X: *see* Long Y W [2421](#)
Yang M-F: *see* Liu Y-J [1805](#)
Yang N: *see* Zhu J-L [6349](#)
Yang S-H, Mun B S, Mannella N, Nambu A, Sell B C, Ritchey S B, Salmassi F, Shick A, Parkin S S P and Fadley C S: Relationship of tunnelling magnetoresistance and buried-layer densities of states as derived from standing-wave excited photoemission [L259](#)
Yang S-J, Tao Z, Yu Y and Feng S: Correlated states of two-dimensional electrons in higher Landau levels [11255](#)
Yang X: *see* Chen Y [2587](#)
Yang X: *see* Geng H [87](#)
Yang Y, Meng S and Wang E G: A molecular dynamics study of hydration and dissolution of NaCl nanocrystal in liquid water [10165](#)
Yang Y: *see* Chen J [6421](#)
Yang Y H: *see* He G L [7841](#)
Yang Z: *see* Ma C [7717](#)
Yannopapas V: Negative index of refraction in artificial chiral materials [6883](#)
Yannopoulos S N: *see* Andrikopoulos K S [965](#)
Yannopoulos S N: *see* Kalampounias A G [6429](#)
Yannopoulos S N: *see* Siokou A [5525](#)
Yano K, Tanaka Y, Matsumoto I, Umehara I, Sato K, Adachi H and Kawata H: Detection of Ni magnetic moment in GdNi_2 compound by magnetic Compton profile (MCP) method [6891](#)
Yao D: *see* Gong S [10989](#)
Yao D Z: *see* Bi C Z [2553](#)
Yao K L: *see* Zhu L [3325](#)
Yao M: *see* Ohmasa Y [8449](#)
Yao T: *see* Goto T [3141](#)
Yao X Y: *see* Dong S [L171](#)
Yaouanc A: *see* Jiménez-Melero E [7893](#)
Yaouanc A: *see* Wills A S [L37](#)
Yapa N U S: *see* Samarasekera P [2417](#)
Yaresko A N: *see* Leonov I [10955](#)
Yarkin D G: *see* Balagurov L A [10999](#)
Yasuda N, Banno T, Fujita K, Ohwa H, Matushita M, Yamashita Y, Iwata M and Ishibashi Y: Pressure dependence of piezoelectric properties of a $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 binary system

- single crystal near a morphotropic phase boundary 7659
- Yasutomi M: A modified version of a self-consistent Ornstein–Zernike approximation for a fluid with a one-Yukawa pair potential 7569
- Ye H Q: *see* Wang S Q 395
- Ye J: *see* Jiang L 6907
- Ye L: *see* Li Y 6953
- Ye Q L: *see* Zhou F 9651
- Ye Z Z: *see* Cong G W 3081
- Yelamagad C V: *see* Lobo C V 767
- Yen C-W: *see* Liu L S2261
- Yeo J, Park H and Yi S: An improved nonperturbative method for studying two-dimensional vortex liquids 3607
- Yesilgul U: *see* Kasapoglu E 6263
- Yesis A A: *see* Turik A V 4839
- Yeung Y Y: *see* Rudowicz C 5221
- Yevych R M, Vysochanskii Yu M, Khoma M M and Perechinskii S I: Lattice instability at phase transitions near the Lifshitz point in proper monoclinic ferroelectrics 4047
- Yi S: *see* Yeo J 3607
- Yildirim T: *see* Akman N 9509
- Yin S: *see* Geng H 87
- Yin W, Liang J Q and Yan Q W: The implementation of Grover's algorithm in optically driven quantum dots 9975
- Yin X M: *see* Zhang N 10965
- Yip S: *see* Wang S Q 395
- Yip S-K: *see* Pao C-H 5567
- Yoder D: *see* Lewis L H 1677
- Yoh J J: Analysis of phase front structures for energetic materials 8179
- Yokoyama Y: *see* Okada J T 7203
- Yoneda A and Kubo A: Simultaneous determination of mean pressure and deviatoric stress based on numerical tensor analysis: a case study for polycrystalline x-ray diffraction of gold enclosed in a methanol–ethanol mixture S979
- Yonemitsu K: *see* Maeshima N 4819
- Yong L P: *see* Wang F B 5835
- Yong L P: *see* Zhu X H 4709
- Yong L P: *see* Zhu X H 10117
- Yoo K H: *see* Ram-Mohan L R R901
- Yoo K-H: *see* Seo J H S2055
- Yoon S: *see* Ham M-H 7703
- Yoon S D, Chen Y, Yang A, Goodrich T L, Zuo X, Arena D A, Ziemer K, Vittoria C and Harris V G: Oxygen-defect-induced magnetism to 880 K in semiconducting anatase TiO_{2-δ} films L355
- Yoshikawa A: *see* Nikl M 3069
- Yoshimura K: *see* Kato M 669
- You J Q: *see* Ouyang S-H 11551
- You S J: *see* Long Y W 2421
- Young V G Jr: *see* Henderson W A 10377
- Yu D: *see* Wu Q 9519
- Yu G: *see* Zhang Y 2149
- Yu G-W: *see* Wu Z 5425
- Yu I: *see* Oh C 3335
- Yu M-H: *see* Lewis L H 1677
- Yu R: *see* Chi Z 4371
- Yu R C: *see* Long Y W 2421
- Yu T: *see* Chen J S1049
- Yu T: *see* Dang H L 8803
- Yu U: *see* Kim K 7227
- Yu Y: *see* Long Y W 2421
- Yu Y: *see* Yang S-J 11255
- Yuan Y: *see* Wu H 7115
- Yubuta K, Yamamura T and Shiokawa Y: Direct observation of the microstructure in cluster glass compound U₂IrSi₃ 6109
- Yun K-Y: *see* Ricinski D L97
- Yusa G: *see* Hirayama Y S885
- Yusuf S M: *see* Chakraborty K R 8661
- Yusupov R V: *see* Aminov L K 4985
- Zabel H: *see* Radu F L29
- Zabel H: *see* Remhof A L441
- Zaccarelli E, Saika-Voivod I, Moreno A J, La Nave E, Buldyrev S V, Sciortino F and Tartaglia P: Mode-coupling theory predictions for a limited valency attractive square well model S2373
- Zahn D R T: *see* Milekhin A G 5825
- Zahvalinskii V S: *see* Orlova T S 6729
- Zakeri Kh: *see* Kebe Th 8791
- Zakharko Ya: *see* Zhydachevskii Ya 11385
- Zakhvalinskii V S: *see* Laiho R 10291
- Zaleski J: *see* Czupiński O 3307
- Zaleszczyk W: *see* Komarov A V 7401
- Zalloum O H Y: *see* Pi X D 9943
- Zamboni R: *see* Capelli R S2127
- Zamboni R: *see* Caria S S2139
- Zambrano E, Kotlarchyk M, Langner A and Faraone A: Isomeric and concentration effects of C₄-cosurfactants on four-component microemulsions investigated by neutron spin-echo and small-angle scattering S2451
- Zanatta A R: *see* de Oliveira V I 7709
- Zanghi D: *see* Pozdnyakova I 6469
- Zangrando M: *see* Bondino F 5773
- Zanotti J-M, Bellissent-Funel M C, Chen S-H and Kolesnikov A I: Further evidence of a liquid–liquid transition in interfacial water S2299
- Zanotti J-M, Smith L J, Price D L and Saboungi M-L: A unified approach to the dynamics of a polymer melt S2391
- Zaoui A: *see* Berghout A 10365
- Zaoui A: *see* Touat D 3647
- Zazoui M: *see* El Azrak A 8161
- Zechiedrich E L: *see* Fogg J M S145

- Zechiedrich E L: *see* Randall G L [S173](#)
Zeidis I: *see* Zimmermann K [S2973](#)
Zeisberger M: *see* Glöckl G [S2935](#)
Zeisberger M: *see* Hergt R [S2919](#)
Zeisberger M: *see* Müller R [S2527](#)
Zeng F: *see* Wei X X [7471](#)
Zeng H: *see* Hu J [5415](#)
Zeng Q, Liang H, Zhang G, Birowosuto M D, Tian Z, Lin H, Fu Y, Dorenbos P and Su Q: Luminescence of Ce³⁺ activated fluoro-apatites M₅(PO₄)₃F (M = Ca, Sr, Ba) under VUV–UV and x-ray excitation [9549](#)
Zeng Q S: *see* Saksl K [7579](#)
Zeng Y W: *see* Wang H [10817](#)
Zeng Z: *see* Anisimov V I [1695](#)
Zeng Z: *see* Yang C H [6201](#)
Zerda T W: *see* Wang Y [275](#)
Zerda T W: *see* Wang Y [2995](#)
Zeyada H M: *see* El-Nahass M M [5163](#)
Zha C-S: *see* Sun L [8573](#)
Zhan Q-F: *see* Wang D-Y [6357](#)
Zhang B: *see* Chen J [6421](#)
Zhang D W: *see* Lu H-L [5937](#)
Zhang F: *see* Yang J [9287](#)
Zhang G: *see* Zeng Q [9549](#)
Zhang H: *see* Huang S-P [5535](#)
Zhang H: *see* Wu H Y [6665](#)
Zhang H-W, Shi E-W, Chen Z-Z, Liu X-C and Xiao B: Absence of intrinsic ferromagnetism in Zn_{1-x}Mn_xO alloys [L477](#)
Zhang H W: *see* Jia L [9999](#)
Zhang H-W: *see* Pang X-F [613](#)
Zhang H-W: *see* Pang X-F [9007](#)
Zhang J, Ashizawa Y and Oka H: First principles study of As–vacancy interaction and the ring mechanism of diffusion in the presence of Ge in Si [4879](#)
Zhang J: *see* Gao P [11487](#)
Zhang J: *see* Xiao J [L155](#)
Zhang J-J, Jin G and Ma Y: Phase separations in a copolymer–copolymer mixture [837](#)
Zhang L and Xu H Q: Coherent electron flow from a double slit with slit widths in the quantum conductance regime [11103](#)
Zhang L: *see* Li S [3527](#)
Zhang L: *see* Yan C [1325](#)
Zhang L D: *see* Chen X M [7013](#)
Zhang L J, Niu Y L, Cui T, Li Y, Wang Y, Ma Y M, He Z and Zou G T: *Ab initio* lattice dynamics evidence for the broken-symmetry phase of solid hydrogen [9917](#)
Zhang M: *see* Salje E K H [L277](#)
Zhang M J: *see* Wang F B [5835](#)
Zhang N, Ke W, Schneider T and Srinivasan G: Dependence of the magnetoelectric coupling in NZFO–PZT laminate composites on ferrite compactness [11013](#)
Zhang N, Yin X M, Ke W and Fan J F: Investigation of the magnetoelectric effect driven by a single magnetic field in Tb_{1-x}Dy_xFe_{2-y}–Pb(Zr,Ti)O₃ bilayers [10965](#)
Zhang Q G, Cao B Y, Zhang X, Fujii M and Takahashi K: Size effects on the thermal conductivity of polycrystalline platinum nanofilms [7937](#)
Zhang S: *see* Dajka J [1367](#)
Zhang W: *see* Liu Z [9083](#)
Zhang W: *see* Zhao J-L [1495](#)
Zhang W-B, Hu Y-L, Han K-L and Tang B-Y: Structural distortion and electronic properties of NiO under high pressure: an *ab initio* GGA+*U* study [9691](#)
Zhang W J, Wu X L, Fan J Y, Huang G S, Qiu T and Chu P K: Luminescent amorphous alumina nanoparticles in toluene solution [9937](#)
Zhang W Y: *see* Guo Z P [4381](#)
Zhang X, Chen Y, Lü L and Li Z: A potential oxide for magnetic refrigeration application: CrO₂ particles [L559](#)
Zhang X: *see* Qiao X [6937](#)
Zhang X: *see* Tang F L [5579](#)
Zhang X: *see* Tang F L [7851](#)
Zhang X: *see* Zhang Q G [7937](#)
Zhang X W and Xia J B: Optical properties of GaN wurtzite quantum wires [3107](#)
Zhang X W, Zhu Y H and Xia J B: Electron *g* factors and optical properties of InAs quantum ellipsoids [4945](#)
Zhang X X: *see* Zheng R K [5905](#)
Zhang Y, Guilbert L, Bourson P, Polgár K and Fontana M D: Characterization of short-range heterogeneities in sub-congruent lithium niobate by micro-Raman spectroscopy [957](#)
Zhang Y, Lu G-H, Wang T, Deng S, Shu X, Kohyama M and Yamamoto R: First-principles study of the effects of segregated Ga on an Al grain boundary [5121](#)
Zhang Y, Yu G, Hu F and Dong J: Quantum interference in carbon nanotube electron resonators induced by an axial magnetic field [2149](#)
Zhang Y: *see* Aouadi S M [1977](#)
Zhang Y: *see* Huang Y [L179](#)
Zhang Y: *see* Wang L [7559](#)
Zhang Z: *see* Carpenter M A [10725](#)
Zhang Z J: *see* Strassburg M [2615](#)
Zhang Z-Y: Josephson current through double quantum dots [181](#)
Zhang Z-Y: Fano effect and electronic correlations in double quantum dots: Aharonov–Bohm effect [1655](#)
Zhang Z-Y: Spin accumulation on a one-dimensional mesoscopic Rashba ring [4101](#)
Zhao B: *see* Freyman C A [S1721](#)

- Zhao B R: *see* Bi C Z 2553
 Zhao G: *see* Wu Y N 4471
 Zhao G: *see* Yan C 1325
 Zhao J: *see* Li W 6065
 Zhao J-L, Zhang W, Li X-M, Feng J-W and Shi X: Convergence of the formation energies of intrinsic point defects in wurtzite ZnO: first-principles study by projector augmented wave method 1495
 Zhao S R, Xu Z A, Takeya H, Hirata K and Luo J L: Reentrant behaviour in Y-doped $\text{Ho}_{0.75}\text{Y}_{0.25}\text{Ni}_2\text{B}_2\text{C}$ single crystal 8533
 Zhao Y, Wang Y F and Gong C D: Field-induced optical absorption in two-dimensional lattices 6193
 Zhao Y G: *see* Guo Z P 4381
 Zhao Y-H, Xie W-H, Zhu L-F and Liu B-G: Half-metallic ferromagnets based on the rock-salt IV–VI semiconductor GeTe 10259
 Zhao Y-Y: *see* Fan W-B 3367
 Zhao Z, Meza J C and Van Hove M: Using pattern search methods for surface structure determination of nanomaterials 8693
 Zhao Z: *see* Gordon V D L415
 Zhao Z G: *see* He G L 7841
 Zharnikov M: *see* Shaporenko A S1677
 Zheng D N: *see* Wang F B 5835
 Zheng D N: *see* Zhu X H 4709
 Zheng D N: *see* Zhu X H 10117
 Zheng G-Q: Na content dependence of superconductivity and the spin in $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$ 9307
 Zheng G-Q, Matano K, Meng R L, Cmaidalka J and Chu C W: Na content dependence of superconductivity and the spin correlations in $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$ L63
 Zheng H, Woodward D I, Gillie L and Reaney I M: Structure and microwave dielectric properties of $\text{BaLa}_4\text{Ti}_4\text{O}_{15}$ 7051
 Zheng L: *see* Luo S-N 659
 Zheng R K, Gu H, Xu B and Zhang X X: The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles 5905
 Zheng S: *see* Jiang L 8563
 Zheng W: *see* Hu C 4231
 Zheng X-H and Cao Z-L: Generation of three-dimensional graph state with Josephson charge qubits L599
 Zheng Y: *see* Abdelouahdi K 1913
 Zhitomirsky M E: *see* Wills A S L37
 Zhong J, Hou M, Shi Q and Lu K: Criticality of the dilute-to-dense transition in a 2D granular flow 2789
 Zhong J: *see* Cong G W 3081
 Zhou C J and Kang J Y: Modulation of band structure in wurtzite ZnO via site-selective Ga–N codoping 6281
 Zhou D: *see* Wang T 10545
 Zhou D F: *see* Lü M F 1601
 Zhou F, Seol J H, Moore A L, Shi L, Ye Q L and Scheffler R: One-dimensional electron transport and thermopower in an individual InSb nanowire 9651
 Zhou G and Liao W: Electronic structure and transport for a laser-field-irradiated quantum wire with Rashba spin–orbit coupling 9161
 Zhou K-W: *see* Tan X-M 1705
 Zhou W L: *see* Liu C M 6001
 Zhou Y: *see* Liao T 6183
 Zhou Y: *see* Liao T L527
 Zhu B-F: *see* Chen Z-Z 5435
 Zhu B-F: *see* Lu H 8961
 Zhu C: *see* Jiang L 8563
 Zhu J-L, Yang N and Wang Y: Field-controlled spectra and entanglements in two-electron double-barrier nanorings 6349
 Zhu J-X and Fransson J: Electric field control of spin dynamics in a magnetically active tunnel junction 9929
 Zhu L, Yao K L and Liu Z L: First-principles studies on the spin distribution on the dihalide-bridged polymer antiferromagnet: $\text{Cu}(\text{thiazole})_2\text{Br}_2$ and $\text{M}(\text{thiazole})_2\text{Cl}_2$ ($\text{M} = \text{Cu}, \text{Fe}$) 3325
 Zhu L-F: *see* Zhao Y-H 10259
 Zhu L P: *see* Cong G W 3081
 Zhu L Y and Wang W Z: Effects of intersite Coulomb interaction on ferromagnetism and dimerization in nanographite ribbons 6273
 Zhu Q S: *see* Cong G W 3081
 Zhu Q-S: *see* Tan X-M 1705
 Zhu R: *see* Lee A S1763
 Zhu X H, Yong L P, Tian H F, Peng W, Li J Q and Zheng D N: The origin of the weak ferroelectric-like hysteresis effect in paraelectric $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ thin films grown epitaxially on LaAlO_3 4709
 Zhu X H, Yong L P, Tian H F, Peng W, Li J Q and Zheng D N: The origin of the weak ferroelectric-like hysteresis effect in paraelectric $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ thin films grown epitaxially on LaAlO_3 10117
 Zhu X H: *see* Wang F B 5835
 Zhu X Y and Huang X J: SiH_2 adsorption on the single dimer vacancy of the Si(100) surface 7045
 Zhu Y H: *see* Zhang X W 4945
 Zhu Z G: *see* Wu Y N 4471
 Zhukovskii Yu F, Popov A I, Balasubramanian C and Bellucci S: Structural and electronic properties of single-walled AlN nanotubes of different chiralities and sizes S2045
 Zhulina E B: *see* Halperin A S463
 Zhdachevskii Ya, Galanciak D, Kobaykov S, Berkowski M, Kamińska A, Suchocki A,

- Zakharko Ya and Durygin A:
Photoluminescence studies of Mn⁴⁺ ions in
YAlO₃ crystals at ambient and high
pressure [11385](#)
- Zhydachevskii Ya, Suchocki A, Sugak D,
Luchechko A, Berkowski M, Warchol S and
Jakiela R: Optical observation of the
recharging processes of manganese ions in
YAlO₃:Mn crystals under radiation and
thermal treatment [5389](#)
- Ziebeck K R A: *see* Brown P J [2249](#)
- Ziebeck K R A: *see* Brown P J [2925](#)
- Zielinski P: *see* Galazka M [7145](#)
- Ziemer K: *see* Yoon S D [L355](#)
- Zilani M A K, Liu L, Xu H, Feng Y P, Wang X-S
and Wee A T S: Nucleation of cobalt silicide
islands on Si(111)-7 × 7 [6987](#)
- Zimbovskaya N A: Local features of the Fermi
surface curvature and the anomalous skin
effect in metals [8149](#)
- Zimmer F M: *see* Magalhães S G [3479](#)
- Zimmerman U: *see* Jiménez-Melero E [7893](#)
- Zimmermann J P: *see* Bowden G J [5861](#)
- Zimmermann J P: *see* Martin K N [459](#)
- Zimmermann K, Naletova V A, Zeidis I, Böhm V
and Kolev E: Modelling of locomotion
systems using deformable magnetizable
media [S2973](#)
- Zinchenko A A and Chen N: Compaction of DNA
on nanoscale three-dimensional
templates [R453](#)
- Zinkevich M: *see* Dohčević-Mitrović Z D [S2061](#)
- Zinoveva S: *see* Behrens S [S2543](#)
- Ziolo J: *see* Kamiński K [5607](#)
- Zipper E: *see* Dajka J [1367](#)
- Ziskind M: *see* Focsa C [S1357](#)
- Zogał O J: *see* Jäger B [2525](#)
- Zorkani I: *see* El Azrak A [8161](#)
- Zou G T: *see* Zhang L J [9917](#)
- Zu F-Q, Shen R-R, Xi Y, Li X-F, Ding G-H and
Liu H-M: Electrical resistivity of liquid
Sn–Sb alloy [2817](#)
- Zu J: *see* Guo J [5739](#)
- Zu X T: *see* Liu C M [6001](#)
- Zubarev A Yu and Iskakova L Yu: Rheological
properties of ferrofluids with
microstructures [S2771](#)
- Zubov E E, Dyakonov V P and Szymczak H:
Diagrammatic method for the theory of
magnetic and resistive properties of
manganites [6699](#)
- Zukoski C F: *see* Gopalakrishnan V [11531](#)
- Zulli F: *see* Andreozzi L [6481](#)
- Zumelzu E: *see* Munoz R C [3401](#)
- Zuo X: *see* Yoon S D [L355](#)
- Županović P: *see* Bonačić Lošić Z [3655](#)
- zur Loye H-C: *see* Lufaso M W [8761](#)
- Zurla C, Franzini A, Galli G, Dunlap D D,
Lewis D E A, Adhya S and Finzi L: Novel
tethered particle motion analysis of CI
protein-mediated DNA looping in the
regulation of bacteriophage lambda [S225](#)
- Zwanikken J: *see* Dijkstra M [825](#)
- Zwicknagl G: *see* Neef M [7437](#)
- Zypman F R: Exact expressions for colloidal
plane–particle interaction forces and energies
with applications to atomic force
microscopy [2795](#)
- Zypman F R and Ferrante J: Gradient equivalent
crystal theory [6095](#)