

Author index with titles

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

2001 J. Phys.: Condens. Matter 13

(<http://iopscience.iop.org/0953-8984/13/50/601>)

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

Download details:

IP Address: 171.66.16.238

The article was downloaded on 17/05/2010 at 04:42

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

Author index with titles

- Aarstrand V, Fotteler T, Beck W, Ricard D and Gâcon J-C: Nonlinear Raman spectroscopy of the low-lying levels of the Sm^{2+} ion doped in SrF_2 and CaF_2 crystals **735**
- Abakarova N S, Aliev K M, Ibragimov Kh O and Kamilov I K: Processes of synchronization, chaotization and amplification in a germanium oscillistor **10947**
- Abakarova N S: *see* Kamilov I K **4519**
- Abbate M, Schreiner W H, Grandi T A and de Lima J C: Evidence of chemical bonding in the electronic structure of a metastable $\text{Fe}_{80}\text{Cu}_{20}$ alloy **5723**
- Abdelmaksoud M: *see* Coffey T **4991**
- Abdelmoula N, Cheikh-Rouhou A and Reversat L: Structural, magnetic and magnetoresistive properties of $\text{La}_{0.7}\text{Sr}_{0.3-x}\text{Na}_x\text{MnO}_3$ manganites **449**
- Abe H, Harada K, Matsuo R J, Uwe H and Ohshima K: X-ray diffuse scattering associated with ferroelectric microregions in $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$ **3257**
- Abid Y: *see* Feki H **8509**
- Abram R A: *see* Kaliteevski M A **10459**
- Abramovich A I: *see* Koroleva L I **5901**
- Abrikosov A A: Superconductivity due to ferromagnetically ordered localized spins **L943**
- Abromeit C: *see* Alekseechkin N V **7223**
- Abu-Jafar M: *see* Al-Sharif A I **2807**
- Aceituno P: *see* Vasko F T **7283**
- Adachi H: *see* Ishii T **5757**
- Adolphi N L: *see* McDowell A F **9799**
- Adriaenssens G J: *see* Iakoubovskii K **6015**
- Adroja D T, Rainford B D, Knight K S and Riedi P C: Neutron scattering studies of an antiferromagnetic Kondo compound: $\text{Ce}_8\text{Pd}_{24}\text{Ga}$ **459**
- Afanas'ev V V: *see* Stesmans A **L673**
- Afanasjev V P, Petrov A A, Pronin I P, Tarakanov E A, Ju Kaptelov E and Graul J: Polarization and self-polarization in thin $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ (PZT) films **8755**
- Affouard F, Hédoux A, Guinet Y, Denicourt T and Descamps M: Indication for a change of dynamics in plastic crystal chloroadamantane: Raman scattering experiment and molecular dynamics simulation **7237**
- Aghamalyan N R, Kostanyan R B and Sanamyan T V: Optical absorption and spectroscopic characterization of Er^{3+} ions in lead molybdate crystals **6585**
- Agosta C C: *see* Mielke C **8325**
- Agrestini S, Di Castro D, Sansone M, Saini N L, Saccone A, De Negri S, Giovannini M, Colapietro M and Bianconi A: High T_c superconductivity in a critical range of micro-strain and charge density in diborides **11689**
- Agrestini S: *see* Bianconi A **7383**
- Agterberg D F and Yang Kun: The effect of impurities on Fulde–Ferrell–Larkin–Ovchinnikov superconductors **9259**
- Aguaño A: Local structures and relative stabilities of Tl^+ -dimer substitutional impurity centres in NaI and KI **8015**
- Aguilar-Frutos M: *see* Guzmán-Mendoza J **L955**
- Ahmet P: *see* Ishikawa M **L25**
- Ahn Kang-Hun: *see* Lee In-Ho **1987**
- Ahn K: *see* Kunc K **9945**
- Ahuja R: *see* Ferreira da Silva A **8891**
- Ahuja R: *see* Persson C **8915, 8945**
- Akasaki I: *see* Amano H **6935**
- Akhter J I, Jin Z H and Lu K: Superheating in confined Pb(110) films **7969**
- Akimitsu J: *see* Margadonna S **L795**
- Akimitsu J: *see* Zheludev A **R525**
- Akimoto K: *see* Bang H **10837**
- Al-Sharif A I, Abu-Jafar M and Qteish A: Structural and electronic structure properties of FeSi: the driving force behind the stability of the B20 phase **2807**
- Alanko T, Hyvönen J, Kyllönen V, Laitinen P, Matilainen A, Räisänen J and Virtanen A: Polycarbonate, Mylar and Havar stopping powers for 1.0–3.25 MeV/nucleon ^{40}Ar -ions **10777**
- Albers R C: *see* Sanati M **5387**
- Alberto H V: *see* Cox S F J **9001**
- Alberto H V: *see* Gil J M **L613**
- Albino Aguiar J: *see* Landinez Tellez D A **335**
- Alekseechkin N V, Bakai A S and Abromeit C: On the kinetics of spontaneous amorphization of a metastable crystalline phase **7223**
- Alekseechkin N V: On the theory of phase transformations with position-dependent nucleation rates **3083**
- Alekseev P A: *see* Staub U **11511**
- Aleshkevych P: *see* Dyakonov V **4049**
- Alexandrov A S and Dent C J: Quasiparticle lifetimes in the charged Bose gas and the cuprates **L417**

- Ali N: *see* Roy S 9547
- Aliev K M: *see* Abakarova N S 10947
- Aliev K M: *see* Kamilov I K 4519
- Allahyarov E and Löwen H: Discrete solvent effects on the effective interaction between charged colloids L277
- Allotey F K A: *see* Mensah S Y 5653
- Almbladh C-O: *see* Andersen J N 11267
- Almeida A: *see* Lacerda-Arôso M T 2615
- Almeida B G: *see* Lacerda-Arôso M T 2615
- Almond D P and Vainas B: The electrical characteristics of random RC networks and the physical origin of 1/f noise L361
- Alonso J A: *see* Velasco P 10991
- Alouani M: *see* Galanakis I 4553
- Alp E E, Sturhahn W and Toellner T S: Lattice dynamics and inelastic nuclear resonant x-ray scattering 7645
- Alp E E: *see* Sage J T 7707
- Altmann K N: *see* Himpfel F J 11097
- Altorfer F: *see* Strässle T 6773
- Alves Marques M, Cabaço M I, de Barros Marques M I, Gaspar A M and de Morais C M: Local order in aqueous solutions of lanthanum chloride and bromide by x-ray diffraction, EXAFS and Raman spectroscopy 4367
- Alves Marques M: *see* Cabaço M I *corrigendum* 2751
- Amano H and Akasaki I: Novel aspects of the growth of nitrides by MOVPE 6935
- Amara M, Luca S E and Galéra R M: Magnetic structures and x-ray 4f multipolar scattering in cubic systems 9621
- Amara M, Morin P, Burlet P and Lejay P: Magnetic structures in the quadrupolar compound TmAu₂ 929
- Amara M: *see* Granovsky S A 6307
- Amara M: *see* Huruguen J P 4939
- Amato A: *see* Cox S F J 2155
- Amaya K: *see* Kondo S 11077
- Amaya K: *see* Tateiwa N *corrigendum* 6443
- Amini N: *see* MacFarlane D R 8257
- Aminov L K, Kosach A V, Nikitin S I, Silkin N I and Yusupov R V: Optical absorption of KZnF₃:Tl⁺ and KMgF₃:Tl⁺ crystals 6247
- Amokrane S and Malherbe J G: Asymmetric binary mixtures with attractive forces: towards a quantitative description of the potential of mean force 7199
- An Jin, Gong Chang-De and Lin Hai-Qing: Softened spin-wave dispersion and sublattice magnetization at finite temperature for a three-dimensional anisotropic Heisenberg antiferromagnet 115
- Andersen J N and Almbladh C-O: High resolution core level photoemission of clean and adsorbate covered metal surfaces 11267
- Andersen O K: *see* Szotek Z 8625
- Anderson D R, Babiker M, Bennett C R, Zakhleniuk N A and Ridley B K: Evaluations of the low-field mobility in degenerate GaN/AlN heterojunctions 5999
- Anderson R: *see* Cole J M 4105
- Andreev Y G and Bruce P G: Using crystallography to understand polymer electrolytes 8245
- Andrei N: *see* Karnaukhov I N L891
- Andreica D: *see* Schenck A 4277
- Andrejczuk A: *see* Reniewicz H 11597
- Andriessen J, Marsman M and van Eijk C W E: *Ab initio* study of the Stokes shift of the ns–np transition of Tl⁺ and In⁺ in KCl, Jahn–Teller effect in the nsnp configuration 5611
- Andriessen J, Marsman M and van Eijk C W E: Lattice relaxation of luminescence centres of the X-line emission of ns² impurity ions in alkali halides; anomalous geometry of the impurity centre in the excited nsnp state 10507
- Andrut M and Wildner M: Superposition model analysis from polarized electronic absorption spectra of Co²⁺ in trigonally distorted octahedra in brucite-type Co(OH)₂ 7353
- Anedda A: *see* Ursaki V V 4579
- Angel R J, Bismayer U and Marshall W G: Renormalization of the phase transition in lead phosphate, Pb₃(PO₄)₂, by high pressure: structure 5353
- Angell C A: *see* Sun Xiao-Guang 8235
- Anisimovas E and Johansson P: Electronic structure of antidot superlattices in commensurate magnetic fields 3365
- Annin V: *see* Vinoslavskii M 11623
- Anthony T R: *see* Twitchen D J 2045
- Antic-Fidancev E: *see* Ben Ali A 9663
- Antic-Fidancev E: *see* Haumesser P-H 5427
- Antoshina L G: The behaviour of the magnetostriction and magnetoresistance of the ferrite CuGa_{0.4}Al_{0.8}Fe_{0.8}O₄ with frustrated magnetic structure L127
- Anuradha S, Sivakumar R and Ramaprabhu S: Solubility of hydrogen in Pd–Dy–Ni ternary alloys 11589
- Aoki D: *see* Nakashima M L569
- Aoki D: *see* Settai R L627
- Aoki D: *see* Sumiyama A L879
- Aplesnin S S: Two-particle spin-singlet excitations in coupled spin-1/2 antiferromagnetic alternating chains 3403
- Aradi B: *see* Deák P 9019
- Arai M: *see* Margadonna S L795
- Arai R: *see* Onoda M 10399
- Aranda M A G: *see* Frontera C 1071
- Araújo E B: *see* Souza Filho A G 7305

- Ardavan A: *see* Nam M S 2271
Ardavan A: *see* Schrama J M 2235
Aride J: *see* Ben Ali A 9663
Arima T: *see* Saito E L267
Arons R R: *see* Köbler U 6835
Arora Akhilesh K: *see* Ravindran T R 11573
Aruna S A: *see* Wang Z H 6649
As D J and Köhler U: Carbon—an alternative acceptor for cubic GaN 8923
Asada H: *see* Kondo S 11077
Asadov S K: *see* Kamenev K V 3709
Asadullin T Ya: *see* Asadullina N Ya 3475, 5231
Asadullin Ya Ya: *see* Asadullina N Ya 3475, 5231
Asadullina N Ya, Asadullin T Ya and Asadullin Ya Ya: Modified Bloch equations and spectral hole burning in solids 5231
Asadullina N Ya, Asadullin T Ya and Asadullin Ya Ya: Modified-Bloch-equation description of EPR transient nutations and free induction decay in solids 3475
Asai K: *see* Kobayashi Y 3335
Asano T: *see* Miyajima T 7099
Asatsuma T: *see* Miyajima T 7099
Aschehoug P: *see* Ben Ali A 9663
Ashwin M J: *see* Grosche E G 2117
Asokan K, Jan J C, Chiou J W, Pong W F, Tsai M-H, Shih H L, Chen H Y, Hsueh H C, Chuang C C, Chang Y K, Chen Y Y and Lin I N: Electronic structures of $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$ studied by x-ray absorption spectroscopy and theoretical calculation 11087
Ataev B M, Lundin W V, Mamedov V V, Bagamadova A M and Zavarin E E: Low-pressure chemical vapour deposition growth of high-quality ZnO films on epi-GaN/ α - Al_2O_3 L211
Atkinson R, Didrichsen G, Hendren W R, Salter I W and Pollard R J: Dynamic *in situ* optical and magneto-optical monitoring of the growth of Co–Pd multilayers 691
Attanasio C, Barbanera S, Di Luccio T, Prischepa S L, Russo R, Salvato M and Maritato L: The resistive anomaly and upward curvature of the perpendicular upper critical field in non-homogeneous superconductors 3215
Attenberger W: *see* Brunner W 2865
Attenkofer K: *see* Wolska A 4457
Augustyniak-Jabłokow M A: *see* Hoffmann S K 707, 7443
Auret F D, Goodman S A, Hayes M, Legodi M J, van Laarhoven H A and Look D C: The influence of high energy proton bombardment on the electrical and defect properties of single-crystal ZnO 8989
Austin R H: *see* Darnton N 4891
Averkiev N S, Golub L E, Tarasenko S A and Willander M: Theory of magneto-oscillation effects in quasi-two-dimensional semiconductor structures 2517
Avinash V and Pati Swapan K: Effects of competing interactions on low-energy characteristics of a spin-1/2 cubic cluster 11697
Avramova I A and Plachkova S K: Phase transition in $\text{Ge}_{1-x}\text{Ag}_{x/2}\text{Bi}_{x/2}\text{Te}$ solid solutions and related transport phenomena 43
Ayala A P: Atomistic simulations of the pressure-induced phase transitions in BaF_2 crystals 11741
Ayala A P: *see* Souza Filho A G 7305
Ayres de Campos N: *see* Gil J M L613
Ayres de Campos N: *see* Mendes P J 5285
Azuah R T: *see* Pearce J V 4421
Baabe D: *see* Maksimov I 5487
Babiker M: *see* Anderson D R 5999
Babiker M: *see* Stavrou V N 6489
Babushkina N A: *see* Belova L M 1103
Bacewicz R: *see* Wolska A 4457
Bacon D J: *see* Hu Wangyu 1193
Baek Woon Sik: *see* Jang Kiwan 3223
Baesso M L: *see* Medina A N 8435
Bagamadova A M: *see* Ataev B M L211
Baggio-Saitovitch E M: *see* Larrea J L949
Bagrets D: *see* Ryzhanova N 4001
Bahng Jae Ho, Kim K J, Ihm S H, Kim J Y and Park H L: Evolution of optical constants and electronic structure of disordered $\text{Si}_{1-x}\text{Ge}_x$ alloys 777
Baier S: *see* Giesen M 5009
Bajpai A and Banerjee A: Characterization of the metastable magnetic phase of $\text{Li}_x\text{Ni}_{1-x}\text{O}$ using non-linear susceptibility 637
Bakai A S: *see* Alekseechkin N V 7223
Bakajin O: *see* Darnton N 4891
Bakchich A and El Bouziani M: Position-space renormalization-group investigation of the spin-3/2 Blume–Emery–Griffiths model with repulsive biquadratic coupling 91
Baker J M: Possible evidence of a copper-related electron paramagnetic resonance centre in diamond 2053
Baker J M: *see* Twitchen D J 2045
Baker J and Rojo A G: Coulomb drag between one-dimensional Wigner crystal rings 5313
Baksheyev D G: *see* Tkachenko O A 9515
Balcells L I: *see* Navarro J 8481
Balda R: *see* Fernández J 10347
Balocchi A: *see* Urbaszek B 2317
Banerjee A, Pal S, Rozenberg E and Chaudhuri B K: Adiabatic and non-adiabatic small-polaron hopping conduction in $\text{La}_{1-x}\text{Pb}_x\text{MnO}_{3+\delta}$ ($0.0 \leq x \leq 0.5$)-type

- oxides above the metal–semiconductor transition 9489
- Banerjee A: *see* Bajpai A 637
- Banerjee G N, Bhowmik R N and Ranganathan R: Enhanced magnetoresistance on substitution of Mn in SrRuO₃ 9481
- Bang E N: *see* Lee Y J 8135
- Bang H, Morishima S, Li Z, Akimoto K, Nomura M and Yagi E: Incorporation site of Tb in GaN studied by Rutherford-backscattering ion channelling measurements and x-ray absorption fine-structure analysis 10837
- Bangert H: *see* Hébert C 3791
- Banholzer W F: *see* Twitchen D J 2045
- Bannerjee R, Purandare S C, Palkar V R and Pinto R: Microstructural studies of aqueous sol derived ferroelectric PbTiO₃ thin films 501
- Banys J, Klimm C, Völkel G, Kajokas A, Brilingas A and Grigas J: Dielectric properties in the vicinity of the ferroelectric phase transition in a mixed crystal of deuterated BP_{0.01}BP_{0.99} 1773
- Bao Y: *see* Wang L 9857
- Baran S: *see* Szytuła A 8007
- Barandiarán J M: *see* Peña A 6535
- Baranov N V: *see* Ovchinnikov A S 5221
- Baranov P G, Romanov N G, Khrantsov V A and Vikhnin V S: Oriented silver chloride microcrystals and nanocrystals embedded in a crystalline KCl matrix, as studied by means of electron paramagnetic resonance and optically detected magnetic resonance 2651
- Barati M, Chow J C L, Ummat P K and Datars W R: Temperature dependence of the resistance of antimony nanowire arrays 2955
- Barbanera S: *see* Attanasio C 3215
- Bardon J P: *see* Lahmar A 3931
- Barnes A C: *see* Hamilton M A 2425
- Baron M: *see* Mazumder S 5089
- Barrett S D: *see* Martin D S L607, 9847
- Barth C, Foster A S, Reichling M and Shluger A L: Contrast formation in atomic resolution scanning force microscopy on CaF₂(111): experiment and theory 2061
- Bartolomé J: *see* Stankiewicz J 303
- Bartoš J, Šauša O, Křištiak J, Blochowicz T and Rössler E: Free-volume microstructure of glycerol and its supercooled liquid-state dynamics 11473
- Bartram R H, Wein G R and Hamilton D S: Two-photon excitation spectroscopy of Cr³⁺:K₂NaScF₆ elpasolite: II. Theoretical models 2377
- Bartram R H: *see* Wein G R 2363
- Başaran E: *see* Mikailov F A 727
- Basso H C: *see* Santana R C 8853
- Bastie P: *see* Dolino G 11485
- Baszyński J: *see* Kowalczyk A 5519
- Batalov R I: *see* Bayazitov R M L113
- Batlogg B: *see* Schön J H L163
- Bator G: *see* Wojtaś M 8831
- Batra I P: *see* Ciraci S R537
- Batrouni G: *see* Olivi-Tran N L135
- Baudour J-L: *see* Bedoya C 6453
- Bauer E: Photoelectron microscopy 11391
- Bauer E, Paul Ch, Berger St, Majumdar S, Michor H, Giovannini M, Saccone A and Bianconi A: Thermal conductivity of superconducting MgB₂ L487
- Bauer E: *see* Ellerby M 4221
- Bauer E: *see* Mudryk Ya 7391
- Bauer E: *see* Ya Kotur B 9421
- Bauer E D, Dickey R P, Zapf V S and Maple M B: Coexistence of superconductivity and ferromagnetism in polycrystalline UGe₂ L759
- Bauer E D, Freeman E J, Sirvent C and Maple M B: High-pressure study of ferromagnetic U_xM_{1-x} (M = Pt, Ir) compounds 5675
- Bauer E D, Ślebarski A, Dickey R P, Freeman E J, Sirvent C, Zapf V S, Dilley N R and Maple M B: Electronic and magnetic investigation of the filled skutterudite compound CeRu₄Sb₁₂ 5183
- Bauer E D, Ślebarski A, Freeman E J, Sirvent C and Maple M B: Kondo insulating behaviour in the filled skutterudite compound CeOs₄Sb₁₂ 4495
- Baumgärtel P: *see* Woodruff D P 10625
- Baumketner A, Shimizu H, Isobe M and Hiwatari Y: Helix transition in di-block polyampholyte 10279
- Bausá L E: *see* Lira C A 11067
- Bayazitov R M and Batalov R I: X-ray and optical characterization of β-FeSi₂ layers formed by pulsed ion-beam treatment L113
- Beaufils S: *see* Ecolivet C 6563
- Beaumont B: *see* Nelson D 7043
- Beaumont V: *see* Singhal R K 6865
- Beauvillain P: *see* Pavlov V V 9867
- Bechinger C and Frey E: Phase behaviour of colloids in confining geometry R321
- Bechstedt F: *see* Hannewald K 275
- Beck W: *see* Aarstrand V 735
- Becquart C S: *see* Hou M 5365
- Bednarska-Bolek B: *see* Pietraszko A 6471
- Bedoya C, Muller Ch, Baudour J-L, Bouree F, Soubeyroux J-L and Roubin M: Ferroelectric–paraelectric phase transition in PbHf_{0.2}Ti_{0.8}O₃ studied by neutron powder diffraction 6453
- Behera S N: *see* Nanda K K 2861
- Behr G: *see* Reuther H L225

- Beierlein U: *see* Beille J 1517
- Beille J, Beierlein U, Dumas J, Schlenker C and Groult D: Pressure effect on the charge density wave instabilities in the quasi-two-dimensional conductors $(\text{PO}_2)_4(\text{WO}_3)_{2m}$ ($m = 4, 5, 6$) and $\eta\text{-Mo}_4\text{O}_{11}$ 1517
- Beiner M: *see* Donth E L451
- Belanger D P: *see* Slanič Z 1711
- Belin-Ferré E: Electronic structure of solids using photoemission and x-ray emission spectroscopies 7885
- Bell F and Schneider J R: Three-dimensional electron momentum densities of solids 7905
- Bellissent-Funel M-C: Structure of confined water 9165
- Belova L M, Babushkina N A, Taldenkov A N, Maignan A, Martin C and Raveau B: Absence of isotope effect in Mn^{4+} -rich CMR manganites $\text{Sm}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x \sim 0.85\text{--}0.88$) 1103
- Beltrán C: *see* Villamil P 4143
- Ben Ali A, Antic-Fidancev E, Viana B, Aschehoug P, Taïbi M, Aride J and Boukhari A: Crystal structure of ABPO_5 and optical study of Pr^{3+} embedded in these compounds 9663
- Benfield R E: *see* Wu Z 5269
- Bénichou O, Cazabat A M, De Coninck J, Moreau M and Oshanian G: Intrinsic friction of adsorbed monolayers 4835
- Benmore C J: *see* Tomberli B 11405, 11421
- Bennett C R: *see* Anderson D R 5999
- Bennett C R: *see* Stavrou V N 6489
- Bennowitz R: *see* Gnecco E R619
- Bennowitz R: *see* Himpfel F J 11097
- Benoit C: *see* Rahmani A 5413
- Bento A C: *see* Medina A N 8435
- Berastegui P, Hull S and Eriksson S-G: A low-temperature structural phase transition in CsPbF_3 5077
- Berger St: *see* Bauer E L487
- Bergmański G: *see* Rybicki J 9781
- Berkov D V and Gorn N L: Susceptibility of the disordered system of fine magnetic particles: a Langevin-dynamics study 9369
- Berkovits R: *see* Vilchik H 6499
- Berkowski M: *see* Dyakonov V 4049
- Berkowski M: *see* Grinberg M 743
- Bermúdez V: *see* Callejo D 1337
- Berne C, Sluiter M, Kawazoe Y and Pasturel A: Ordering effects in the Re–W and Re–Ta sigma phases 9433
- Bernhoeft N: An analysis of the dynamical magnetic susceptibility in non-Fermi liquids R771
- Bernini U, Lettieri S, Maddalena P, Vitiello R and Di Francia G: Evaluation of the thermal conductivity of porous silicon layers by an optical pump–probe method 1141
- Bernède J C: *see* El Maliki H 1839
- Berry F J: *see* Helgason Ö 10785
- Bertrand E: *see* Bonn D 4903
- Berzina B: *see* Trinkler L 8931
- Bester G and Fähnle M: Interpretation of *ab initio* total energy results in a chemical language: I. Formalism and implementation into a mixed-basis pseudopotential code 11541
- Bester G and Fähnle M: Interpretation of *ab initio* total energy results in a chemical language: II. Stability of TiAl_3 and ScAl_3 11551
- Bettinelli M: *see* Laroche M 765
- Bewley R: *see* Isnard O 3533
- Bhattacharya A and Mahanti S D: Critical micelle concentration in three-dimensional lattice models of amphiphiles L861
- Bhattacharya A and Mahanti S D: Self-assembly of ionic surfactants and formation of mesostructures 1413
- Bhattacharya D, Das P, Pandey A, Raychaudhuri A K, Chakraborty A and Ojha V N: On the factors affecting the high temperature insulator–metal transition in rare-earth manganites L431
- Bhattacharya S: *see* Xia Y 77
- Bhowmik R N: *see* Banerjee G N 9481
- Bian Xiufang: *see* Zhang Lin 5947
- Bianconi A, Di Castro D, Agrestini S, Campi G, Saini N L, Saccone A, De Negri S and Giovannini M: A superconductor made by a metal heterostructure at the atomic limit tuned at the ‘shape resonance’: MgB_2 7383
- Bianconi A: *see* Agrestini S 11689
- Bianconi A: *see* Bauer E L487
- Bibes M: *see* Navarro J 8481
- Bichler M: *see* Senz V 3831
- Bidault O: *see* Perrin C 10231
- Bilalbegović G: Multi-shell gold nanowires under compression 11531
- Bimberg D: *see* Pereira R N 8957
- Binek Ch, Kleemann W and Katori H A: Yang–Lee edge singularities determined from experimental high-field magnetization data L811
- Bishop A R: *see* Bussmann-Holder A L169
- Bishop A R: *see* Teber S 4015
- Bismayer U: *see* Angel R J 5353
- Bismayer U: *see* Mihailova B 9383
- Biswas S: *see* Dutta P 9187
- Blaauboer M: *see* Koperdraad R T 8707
- Blasco J, García J, Sánchez M C, Larrea A, Campo J and Subías G: Magnetic properties and structure of $\text{LaNi}_{3/4}\text{Mn}_{1/4}\text{O}_3$ L729
- Blasco J: *see* García J 3229, 3243
- Blochowitz T: *see* Bartoš J 11473
- Blomquist P: *see* Kalska B 2963

- Blomquist P: *see* Olsson S 1685
Blomquist P: *see* te Velthuis S G E 5577
Blossey R: *see* Seemann R 4915
Blum L: *see* Hernando J A L577
Blum V: *see* Meier W 1781
Blundell S J and Cox S F J: Longitudinal muon spin relaxation in metals and semimetals and the Korringa law 2163
Blundell S J: *see* Jestädt Th 2263
Blundell S J: *see* Nam M S 2271
Bobrowicz-Sarga L: *see* Ecolivet C 6563
Bock H, Diestler D J and Schoen M: Phase behaviour of fluids confined between chemically decorated substrates 4697
Bockowski M: *see* Krukowski S 8881
Bodak O: *see* Mudryk Ya 7391
Boerma D O: *see* Chechenin N G 5937
Bogatyrev A O: *see* Gusak A M 2767
Bogevolnov V B: *see* Radantsev V F 851
Böhm H: *see* Kwapuliński J 1461
Bolcatto P G and Proetto C R: Partially confined excitons in semiconductor nanocrystals with a finite size dielectric interface 319
Bolorizadeh M A: *see* Sashin V A 4203
Bondarevskii S I: *see* Seregin N P 2671
Boni P: *see* Case G S 9699
Bonn D, Bertrand E, Shahidzadeh N, Ragil K, Dobbs H T, Posazhennikova A I, Broseta D, Meunier J and Indekeu J O: Complex wetting phenomena in liquid mixtures: frustrated-complete wetting and competing intermolecular forces 4903
Bonville P: *see* Hodges J A 9301
Boragno C: *see* Costantini G 5875
Borth R: *see* Nicklas M L905
Borzi R A: *see* Stewart S J 1743
Bostrem I G: *see* Ovchinnikov A S 5221
Boucherle J-X, Givord F, Raymond S, Schweizer J, Lelièvre-Berna E, Lejay P and Fillion G: Magnetic form factor in CeRu_2Si_2 on crossing its metamagnetic transition 10901
Boukhari A: *see* Ben Ali A 9663
Bouree F: *see* Bedoya C 6453
Bovelli S, Fioretto D and Jurlewicz A: The light scattering relaxation function of glass-forming molecules: a general probabilistic approach 373
Bovtun V: *see* Ostapchuk T 2677
Bowron D T: *see* Cole J M 6659
Bozhevolnyi S I: *see* Xiao Mufei 3001
Bozhko A D: *see* Khovailo V V 9655
Bradford C: *see* Urbaszek B 2317
Bradley G: *see* Cox S J 4863
Bradley I V: *see* Jones G D 2127
Bradley I V: *see* Wells J-P R 2137
Braithwaite D: *see* Demuer A 9335
Braithwaite D: *see* Knebel G 10935
Brand S: *see* Kaliteevski M A 10459
Brando M: *see* Kaps H 8497
Brandt B: *see* Rosenbaum R 3169
Brauer H E, Starnberg H I, Holleboom L J, Hughes H P and Strocov V N: Na and Cs intercalation of 2H-TaSe_2 studied by photoemission 9879
Brazovskii S A: *see* Teber S 4015
Breczewski T: *see* Rabiller P 1653
Brenier A, Tu Chaoyang, Li Jianfu, Zhu Zhaojie and Wu Baichang: Eye-safe laser radiation from stimulated Raman scattering frequency self-conversion in $\text{KGd}(\text{WO}_4)_2:\text{Nd}^{3+}$ 4097
Brenig W and Hilf M F: Reaction dynamics of H_2 and D_2 on Si(100) and Si(111) R61
Brennan K F: *see* Farahmand M 10477
Brennan T: *see* Cole J M 4105, 6659
Briddon P R: *see* Coomer B J L1
Briddon P R: *see* Ewels C P 8965
Briddon P R: *see* Goss J P 8973
Briddon P R: *see* Pinho N M C 8951
Brigatti K: *see* Margadonna S L795
Briggs A: *see* Escudero R 6285
Brilingas A: *see* Banys J 1773
Bristowe P D: *see* Carlsson J M 9937
Bristowe P D: *see* Chisholm J A 8875
Bronsveld P M: *see* Chechenin N G 5937
Brooks J S: *see* Harrison N L389
Brooks M S S: Thomas–Fermi screening of exchange interactions L469
Brooks M S S: *see* Kelemen M T 657
Broseta D: *see* Bonn D 4903
Brown C M: *see* Jestädt Th 2263
Brown P J, Costa M M R and Ziebeck K R A: The spatial distribution of the paramagnetically aligned moments in the high-temperature insulating phase of V_2O_3 10261
Brown P J, Neumann K-U and Ziebeck K R A: A polarized neutron investigation of the martensitic phase transition in V_3Si : evidence for a band Jahn–Teller mechanism 1111
Brown P J, Neumann K-U and Ziebeck K R A: The temperature dependence of the magnetization distribution in $\text{Fe}_{65}\text{Ni}_{35}$ invar: incompatibility of the two-state model 1563
Brown P J: *see* Köbler U 6835
Bručas R: *see* Miniotas A L855
Bruce P G: *see* Andreev Y G 8245
Brühwiler P A: Synchrotron studies of carbon surfaces 11229
Brun A: *see* Pavlov V V 9867
Brunner W, Attenberger W, Hoffmann H and Zweck J: Derivation of pair distribution functions for interface interdiffusion analysis for multilayered thin films using high-energy electron diffraction 2865
Bruno E, Ginatempo B and Giuliano E S: Fermi surface origin of non-stoichiometric ordering

- in CuPd alloys [L711](#)
- Bruno E: *see* Razee S S A [8153](#), [8565](#)
- Bruno P: *see* Kudrnovský J [8539](#)
- Bruno-Alfonso A, Hai G-Q, Peeters F M, Yeo T, Ryu S R and McCombe B D: High-energy transitions of shallow magnetodons in a GaAs/Al_{0.3}Ga_{0.7}As multiple quantum well [9761](#)
- Brusa R S: *see* Checchetto R [5853](#)
- Bryk T and Mryglod I: Collective excitations in liquid bismuth: the origin of kinetic relaxing modes [1343](#)
- Bryksin V V: *see* Kleinert P [3157](#)
- Buatier de Mongeot F: *see* Costantini G [5875](#)
- Buchenau U: Dynamics of glasses [7827](#)
- Buckley R G: *see* Pantoja A E [3741](#)
- Bucknall D G: *see* Sferrazza M [10269](#)
- Budaguan B G, Sherchenkov A A, Gorbunin G L and Chernomordic V D: The properties of a-SiGe:H films fabricated by a novel deposition method [6615](#)
- Budziak A, Figiel H, Żukrowski J, Gratz E and Ouladdiaf B: Magnetic ordering in TbMn₂D₂ [L871](#)
- Budziak A: *see* Leyer S [6115](#)
- Buixaderas E, Kamba S and Petzelt J: Polar phonons and far-infrared amplitudon in Sr₂Nb₂O₇ [2823](#)
- Buldum A: *see* Ciraci S [R537](#)
- Bünemann J: Spin-waves in itinerant ferromagnets [5327](#)
- Bünemann J and Gebhard F: Random-phase approximation for multi-band Hubbard models [9985](#)
- Burian A: *see* Szczygielska A [5545](#)
- Burkel E: Determination of phonon dispersion curves by means of inelastic x-ray scattering [7627](#)
- Burkel E: Introduction to x-ray scattering [7477](#)
- Burkel E: Introduction [7473](#)
- Burkel E: *see* Ponkratzen U [549](#)
- Burlet P: *see* Amara M [929](#)
- Bursill R J: *see* Weihong Zheng [433](#)
- Bushnell-Wye G: *see* Cole J M [4105](#)
- Bussmann-Holder A, Dalal N, Fu Riqiang and Migoni R: High-precision ³¹P chemical shift measurements on KH₂PO₄-type crystals: role of electronic instability in the ferroelectric transition mechanism [L231](#)
- Bussmann-Holder A, Müller K A, Micnas R, Büttner H, Simon A, Bishop A R and Egami T: Theory of dynamic stripe induced superconductivity [L169](#)
- Butorin S M: *see* Kurmaev E Z [3907](#)
- Buttari D: *see* Xing H [7139](#)
- Büttgen N: *see* Kaps H [8497](#)
- Büttner H: *see* Bussmann-Holder A [L169](#)
- Bykov I P: *see* Ostapchuk T [2677](#)
- Bystrov A S, Mel'nikov A S and Ryzhov D A: Structure of tilted vortices and angular dependence of the lower critical field in anisotropic (d + s)-wave superconductors [6005](#)
- Cabaço M I, Gaspar A M, de Moraes C M and Alves Marques M: Structure of concentrated aqueous solutions of indium chloride and bromide. Modelling of the structure of electrolyte solutions [corrigendum 2751](#)
- Cabaço M I: *see* Alves Marques M [4367](#)
- Cadoret R and Trassoudaine A: Growth of gallium nitride by HVPE [6893](#)
- Cai Xueling: *see* Zhang Chuanjiang [L647](#)
- Caldino G U: *see* Lira C A [11067](#)
- Caldino U: *see* Cascales C [8071](#)
- Calero J M: *see* Landinez Tellez D A [335](#)
- Caliebe W A: *see* Soininen J A [8039](#)
- Calle F: *see* Muñoz E [7115](#)
- Calleja M, Dove M T and Salje E K H: Anisotropic ionic transport in quartz: the effect of twin boundaries [9445](#)
- Callejo D, Bermúdez V and Diéguez E: Influence of Hf ions in the formation of periodically poled lithium niobate structures [1337](#)
- Calvo-Dahlborg M: *see* Dahlborg U [8873](#)
- Campbell J A: *see* FitzGerald S A [2095](#), [2177](#)
- Campbell S J: *see* Hofmann M [9773](#)
- Campi G: *see* Bianconi A [7383](#)
- Campo J: *see* Blasco J [L729](#)
- Canfield P C: *see* Knebel G [10935](#)
- Cantelar E: *see* Di Paolo R E [7999](#)
- Cao G H: *see* Liu J-M [L153](#)
- Cao J X, Yan X H, Ding J W and Wang D L: Band structures of carbon nanotubes: the sp³s* tight-binding model [L271](#)
- Cao P-l, Zhao W, Li B-x, Song B and Zhou X-y: A full-potential linear-muffin-tin-orbital molecular-dynamics study of B₇, B₁₀ and B₁₃ clusters [5065](#)
- Cao Pei-Lin: *see* Li Bao-xing [1](#), [10865](#)
- Cao S, Tang J-C, Zhu P and Wang L: The determination of the local adsorption structure of SO₂/Ni(111): multiple-scattering cluster studies [5865](#)
- Cao X W: *see* Wang Z H [6649](#)
- Cao Yongge: *see* Li Jianye [L285](#)
- Cao Z X: Equilibrium segregation of sulfur to the free surface of single crystalline titanium [7923](#)
- Capaccioli S: *see* Pisignano D [4405](#)
- Caragiu M: *see* Ferralis N [3961](#)
- Caramico D'Auria A, Esposito U, Esposito F, Kamieniarz G and Matysiak R: Exact simulations of quantum rings and characterization of hexanuclear manganese

- and dodecanuclear nickel cyclic complexes 2017
- Caranoni C: *see* Perrin C 10231
- Carballeira C, Mosqueira J, Ramallo M V, Veira J A and Vidal F: Fluctuation-induced diamagnetism in bulk isotropic superconductors at high reduced temperatures 9271
- Carballeira C, Ramallo M V and Vidal F: Fluctuation induced diamagnetism versus paraconductivity at high-reduced-temperatures in layered superconductors 2573
- Carcel C: *see* Jaccard D L89
- Carcel C: *see* Nad F L717
- Cardoso L P: *see* dos Santos A O 10497
- Carles R: *see* Chehaidar A 10743
- Carling S G: *see* Watts I D 2225
- Carlsson J M, Hellsing B, Domingos H S and Bristowe P D: Electron properties of a grain boundary in Sb-doped ZnO 9937
- Carmelo J M P: *see* Peres N M R 5135
- Carpene E: *see* Miglierini M 10359
- Casais M T: *see* Velasco P 10991
- Casalini R: *see* Pisignano D 4405
- Cascales C, Zaldo C, Caldiño U, García Solé J and Luo Z D: Crystal field analysis of Nd³⁺ energy levels in monoclinic NdAl₃(BO₃)₄ laser 8071
- Case G S, Thomas M F, Lucas C A, Mannix D, Boni P, Tixier S and Langridge S: Magnetic anisotropy in Ce/Fe and Ce/FeCoV multilayers 9699
- Caspary D, Eckold G, Güthoff F and Pyckhout-Hintzen W: Kinetics of decomposition in ionic solids: II. Neutron scattering study of the system AgCl–NaCl 11521
- Cassanho A: *see* Medina A N 8435
- Castiglione M J and Madden P A: Fluoride ion disorder and clustering in superionic PbF₂ 9963
- Castiglione M J, Wilson M, Madden P A and Grey C P: Ion mobility in α -PbF₂: a computer simulation study 51
- Castro A: *see* Jiménez B 7315
- Castro M: *see* Macchi C 5717
- Catara F and Sambataro M: Excitation spectrum of a two-electron ‘metal cluster’ L705
- Cataudella V: *see* Iadonisi G 1499
- Catunda T: *see* Medina A N 8435
- Cava R J: *see* He T 8347
- Cavalli E: *see* Laroche M 765
- Cavenett B C: *see* Urbaszek B 2317
- Cazabat A M: *see* Bénichou O 4835
- Celzard A and Maréché J F: Permeability and formation factor in compressed expanded graphite 4387
- Cenian A and Gabriel H: Ballistic energy transfer in dielectric Ar crystals 4323
- Chacon C and Isnard O: The structural and magnetic properties of Y_{n+1}Co_{3n+5}B_{2n} compounds investigated by neutron diffraction 5841
- Chakrabarti A and Mookerjee A: Augmented-space recursion for partially disordered systems 10149
- Chakraborty A: *see* Bhattacharya D L431
- Champion P M: *see* Sage J T 7707
- Chan K S and Ruan W Y: Magic angular momenta of a quantum dot under a strong magnetic field: the effect of a Coulomb impurity 5799
- Chan K S: *see* Ruan W Y 1329
- Chandra P and Ioffe L B: A superconducting associative memory that is defect tolerant L697
- Chandramani Singh K: *see* Sharma M 7249
- Chandrasekhar N: *see* Das Gupta K 889
- Chang C M, Wei C M and Hafner J: Self-diffusion of adatoms on Ni(100) surfaces L321
- Chang C Y, Hong I H, Chou Y C and Wei C M: Surface structures by direct transform of electron diffraction patterns 10709
- Chang Y K: *see* Asokan K 11087
- Charlton M: *see* Cox S F J 2155, 2169
- Charnaya E V, Tien C, Lu J J, Wu R R, Ivanov S N and Khazanov E N: ²⁷Al nuclear magnetic resonance studies of the Y_{3-x}Lu_xAl₅O₁₂ mixed garnets 8775
- Charrier A, Pérez R, Thibaudau F, Debever J-M, Ortega J, Flores F and Themlin J-M: Many-body effects in the electronic structure of Sn/Si(111)- α - $\sqrt{3}$ L521
- Chateau C: *see* Haines J 2447
- Chatterjee A: *see* Rao Ch Sambasiva L919
- Chatterjee I: Interplay of orbital ordering and exchange interaction in V₂O₃ 109
- Chattopadhyay K: *see* Chinnasamy C N corrigendum 1179
- Chaturvedi D: *see* Singhal R K 6865
- Chaudhuri B K: *see* Banerjee A 9489
- Chaves M R: *see* Lacerda-Arôso M T 2615
- Cheang-Wong J C, Oliver A, Roiz J, Rodríguez-Fernández L, Hernández J M and Crespo-Sosa A: Relationship between the Ag depth profiles and nanoparticle formation in Ag-implanted silica 10207
- Checchetto R, Miotello A and Brusa R S: Deuterium effusion from nanocrystalline boron nitride thin films 5853
- Checchetto R, Tosello C, Miotello A and Principi G: Structural evolution of Fe–Al multilayer thin films for different annealing temperatures 811

- Chechenin N G, van Veen A, Escobar Galindo R, Schut H, Chezan A R, Bronsveld P M, de Hosson J Th M and Boerma D O: Positron annihilation and transmission electron microscopy study of the evolution of microstructure in cold-rolled and nitrated FeNiTi foils 5937
- Cehaidar A, Zwick A and Carles R: Investigation of structural and chemical ordering in Si-rich amorphous Si-C alloys via Raman spectroscopy and numerical modelling 10743
- Cheikh-Rouhou A: *see* Abdelmoula N 449
- Chelikowsky J R, Derby J J, Godlevsky V V, Jain M and Raty J Y: *Ab initio* simulations of liquid semiconductors using the pseudopotential-density functional method R817
- Chen C T: *see* Lin Z S R369
- Chen C T: *see* Singhal R K 6865
- Chen F, Wang K M, Shi B R and Hu H: Dendrite and fractal patterns formed on the surface of bismuth-ion-implanted LiNbO₃ 5893
- Chen H Y: *see* Asokan K 11087
- Chen Houtong, Lian Rui, Yin Min, Lou Liren, Zhang Weiping, Xia Shangda and Krupa J-C: Luminescence concentration quenching of ¹D₂ state in YPO₄:Pr³⁺ 1151
- Chen Hu: *see* Zhou Xin L635
- Chen H: *see* Chen Y 10057
- Chen H: *see* Jiang X F 6519
- Chen H: *see* Zhou H-D 6195
- Chen J L: *see* Wang W H 2607
- Chen J-Y: *see* Rosenbaum R 10041
- Chen K: *see* Wang L 9857
- Chen K M: *see* Sun W H 5931
- Chen Kunji: *see* Zhang Lin 5947
- Chen Li-rong: *see* Zhang Zhi 6075
- Chen Q, Zhang Y and Qian Y T: Carrier band-to-band recombination in Mn-passivated porous silicon 5377
- Chen S: *see* Zhou Y 10001
- Chen Wan-fang: *see* Liu Fu-sui 2817
- Chen X L, Tu Q Y, He M, Dai L and Wu L: The bond ionicity of MB₂ (M = Mg, Ti, V, Cr, Mn, Zr, Hf, Ta, Al and Y) L723
- Chen X Y: *see* Liu J-M L153
- Chen Xiaolong: *see* Li Jianye L285, L937
- Chen Xing-Wei: *see* Sheng Zheng-Mao L349
- Chen Xiu-Mei: *see* Wang Qiang 8445
- Chen Xueyuan, Luo Zundu, Jaque D, Romero J J, Garcia Sole J, Huang Yidong, Jiang Aidong and Tu Chaoyang: Comparison of optical spectra of Nd³⁺ in NdAl₃(BO₃)₄ (NAB), Nd:GdAl₃(BO₃)₄ (NGAB) and Nd:Gd_{0.2}Y_{0.8}Al₃(BO₃)₄ (NGYAB) crystals 1171
- Chen Y: *see* Qin G G 11751
- Chen Y B: *see* He Y J 2467
- Chen Y Y: *see* Asokan K 11087
- Chen Y and Chen H: Critical behaviour of organic ferromagnets 10057
- Chen Yiming: *see* Zhang Haiyan 2883
- Chen Z H: *see* Li C L 5261
- Cheng J-T: *see* Giordano N R271
- Cheng Wen-Dan: *see* Rérat M 343
- Cheng Zhao-Hua: *see* Li Run-Wei 1973
- Cheng Zhao-Hua: *see* Zhang Wen-Yong 3859
- Chenhui Zhu: *see* Yuzhi Li 6019
- Cheranovskii V O, Ezerskaya E V and Özkan I: The energy spectrum of a spin-1/2 ladder with mixed interactions 4525
- Chernomordic V D: *see* Budaguan B G 6615
- Chezan A R: *see* Chechenin N G 5937
- Chi E O: *see* Dho Joonghoe 3655
- Chiang T-C: Differential photoelectron holography 10577
- Chiang T-C: *see* Miller T 11115
- Chiba Y: *see* Kamishima O 2455
- Chihara J, Fukumoto I, Yamagiwa M and Totsuji H: Pressure formulae for liquid metals and plasmas based on the density-functional theory 7183
- Chinnasamy C N, Narayanasamy A, Ponpandian N, Chattopadhyay K, Guérault H and Grenèche J-M: Magnetic properties of nanostructured ferrimagnetic zinc ferrite corrigendum 1179
- Chiou J W: *see* Asokan K 11087
- Chisholm J A and Bristowe P D: Computational study of the effect of Al and In on the formation energies and acceptor levels of Mg and C dopants in GaN 8875
- Chisolm E D and Wallace D C: Dynamics of monatomic liquids R739
- Chistyakov Oleg D: *see* Staub U 11511
- Choi Byung-Chun: *see* Park Jong-Ho 9411
- Choi H S: *see* Dho Joonghoe 3655
- Chou Y C: *see* Chang C Y 10709
- Chow J C L: *see* Barati M 2955
- Chow K H: *see* Jestädt Th 2263
- Christenson H K: Confinement effects on freezing and melting R95
- Christiansen P L, Gaididei Y B and Mingaleev S F: Effects of finite curvature on soliton dynamics in a chain of non-linear oscillators 1181
- Chrzanowska A, Teixeira P I C, Ehrentraut H and Cleaver D J: Ordering of hard particles between hard walls 4715
- Chu W G, Rao G H, Yang H F, Liu G Y and Liang J K: Crystal structure and magnetic properties of Gd₃Fe₂₈Re L441
- Chuang C C: *see* Asokan K 11087
- Chui S T, Wang Jian-Tao, Zhou Lei, Esfarjani K and Kawazoe Y: Realization of an effective

- ultrahigh magnetic field on a nanoscale [L49](#)
- Chung C H, Marston J B and McKenzie R H: Large- N solutions of the Heisenberg and Hubbard–Heisenberg models on the anisotropic triangular lattice: application to Cs_2CuCl_4 and to the layered organic superconductors κ -(BEDT-TTF) $_2$ X (BEDT-TTF \equiv bis(ethylene-dithio)tetrathiafulvalene); X \equiv anion) [5159](#)
- Chung S H, Wang Y, Greenbaum S G, Marcinek M, Persi L, Croce F, Wieczorek W and Scrosati B: Nuclear magnetic resonance studies of nanocomposite polymer electrolytes [11763](#)
- Ciftja O, Moroni S and Fantoni S: The coherent-state wave function for solid ^3He [1041](#)
- Cinal M: Analysis of magnetocrystalline anisotropy oscillations in Co/Pd thin films [901](#)
- Cini M and Stefanucci G: Antiferromagnetism of the two-dimensional Hubbard model at half-filling: the analytic ground state for weak coupling [1279](#)
- Ciraci S, Buldum A and Batra I P: Quantum effects in electrical and thermal transport through nanowires [R537](#)
- Clair S: *see* Hébert C [3791](#)
- Claro F: *see* Yan W [5103](#)
- Clayman B P: *see* Wang N L [5463](#)
- Cleaver D J: *see* Chrzanowska A [4715](#)
- Clegg P S, Cowley R A, Goff J P, McMorrow D F, Sawicki M, Ward R C C and Wells M R: Structure and magnetism in $\text{Dy}_x\text{Pr}_{1-x}$ and $\text{Er}_x\text{Pr}_{1-x}$ alloys: II. Double-hexagonal close-packed structure [10191](#)
- Clegg P S, Cowley R A, Goff J P, McMorrow D F, Ward R C C and Wells M R: Structure and magnetism in $\text{Dy}_x\text{Pr}_{1-x}$ and $\text{Er}_x\text{Pr}_{1-x}$ alloys: I. Hexagonal close-packed and Sm structures [10175](#)
- Coaquira J A H and Rechenberg H R: Magnetic properties of hexagonal Laves-phase $\text{Zr}(\text{Cr}_{1-x}\text{Fe}_x)_2$ [8415](#)
- Coddens G: Comment on ‘Atomic motions in the crystalline $\text{Al}_{50}\text{Cu}_{35}\text{Ni}_{15}$ alloy’ [8869](#)
- Coffey T, Abdelmaksoud M and Krim J: A scanning probe and quartz crystal microbalance study of the impact of C_{60} on friction at solid–liquid interfaces [4991](#)
- Coffie R: *see* Xing H [7139](#)
- Colapietro M: *see* Agrestini S [11689](#)
- Cole E A B: Integral evaluation in the mathematical and numerical modelling of high-electron-mobility transistors [515](#)
- Cole J M, Newport R J, Bowron D T, Pettifer R F, Mountjoy G, Brennan T and Saunders G A: A rare-earth K-edge EXAFS study of rare-earth phosphate glasses, $(\text{R}_2\text{O}_3)_x(\text{P}_2\text{O}_5)_{1-x}$, $x = 0.187\text{--}0.239$, R = La, Nd, Sm, Eu, Gd, Dy, Er [6659](#)
- Cole J M, van Eck E R H, Mountjoy G, Anderson R, Brennan T, Bushnell-Wye G, Newport R J and Saunders G A: An x-ray diffraction and ^{31}P MAS NMR study of rare-earth phosphate glasses, $(\text{R}_2\text{O}_3)_x(\text{P}_2\text{O}_5)_{1-x}$, $x = 0.175\text{--}0.263$, R = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er [4105](#)
- Coleman P, Pépin C, Si Qimiao and Ramazashvili R: How do Fermi liquids get heavy and die? [R723](#)
- Coleman P G: *see* Tucker C E [1857](#)
- Collins S P, Laundry D and Stunault A: Anisotropic resonant diffraction from HoFe_2 [1891](#)
- Colomer M T: *see* Waerenborgh J C [8171](#)
- Comins J D: *see* Zhang X [2281](#)
- Concepción Sánchez M: *see* García J [3229](#), [3243](#)
- Conder K: *see* Zhao Guo-meng [R569](#)
- Coniglio Antonio: Percolation and critical points [9039](#)
- Conti S and Salje E K H: Surface structure of ferroelastic domain walls: a continuum elasticity approach [L847](#)
- Coomer B J, Goss J P, Jones R, Öberg S and Briddon P R: Identification of the tetra-interstitial in silicon [L1](#)
- Coradin T: *see* Livage J [R673](#)
- Corish J: *see* O’Dwyer S [2395](#)
- Corradi G: *see* Schweizer S [2331](#)
- Costa Jr A T, de Castro Barbosa A C, d’Albuquerque e Castro J and Muniz R B: Effects of impurities on the exchange coupling in magnetic metallic multilayers [1827](#)
- Costa M M R: *see* Brown P J [10261](#)
- Costantini G, Rusponi S, Buatier de Mongeot F, Boragno C and Valbusa U: Periodic structures induced by normal-incidence sputtering on Ag(110) and Ag(001): flux and temperature dependence [5875](#)
- Cottrell S P: *see* Cox S F J [2169](#)
- Cowley R A: *see* Clegg P S [10175](#), [10191](#)
- Cox S F J, Charlton M, Donnelly P, Amato A and Schenck A: The neutral fraction of muonium in silicon at high temperatures [2155](#)
- Cox S F J, Cottrell S P, Charlton M, Donnelly P A, Ewels C, Heggie M and Hourahine B: A molecular radical model for hydrogen and muonium in graphite [2169](#)
- Cox S F J, Davis E A, King P J C, Gil J M, Alberto H V, Vil’ao R C, Piroto Duarte J, Ayres de Campos N and Lichti R L: Shallow versus deep hydrogen states in ZnO and

- HgO [9001](#)
Cox S F J: *see* [Blundell S J 2163](#)
Cox S F J: *see* [Gil J M L613](#)
Cox S J, Bradley G, Hutzler S and Weaire D:
Vertex corrections in the theory of foam
drainage [4863](#)
Craco L: Insulator-to-metal crossover induced by
local spin fluctuations in strongly correlated
systems [263](#)
Crain J N: *see* [Himpfel F J 11097](#)
Crampin S: *see* [Martin D S L607](#)
Craven A J: *see* [Vlachos D 10799](#)
Crespo-Sosa A: *see* [Cheang-Wong J C 10207](#)
Croce F: *see* [Chung S H 11763](#)
Crook R, Smith C G, Simmons M Y and
Ritchie D A: Imaging random telegraph
signal sites near a quasi 1D electron
system [L249](#)
Cross L E: *see* [Fousek J L33](#)
Cuevas F: *see* [Zhang Junxian 10487](#)
Cui D F: *see* [Li C L 5261](#)
Cussó F: *see* [Di Paolo R E 7999](#)
Czarnecki P: *see* [Ecolivet C 6563](#)
Czarnecki P: *see* [Matuszyńska H 11053](#)
Czechowski G: *see* [Jadżyn J L261](#)
- Dahlberg E D: *see* [Song T 3443](#)
Dahlborg U, Howells W S, Calvo-Dahlborg M,
Dolinsek J and Dubois J M: Reply to the
comment by G Coddens [8873](#)
Dai L: *see* [Chen X L L723](#)
Dai L: *see* [Sun W H 5931](#)
Dalal N: *see* [Bussmann-Holder A L231](#)
d'Albuquerque e Castro J: *see* [Costa Jr A T 1827](#)
Dalela B: *see* [Singhal R K 6865](#)
Dalela S: *see* [Singhal R K 6865](#)
Dalmas de Peotier P: *see* [Kernavanois N 9677](#)
Damilano B: *see* [Grandjean N 6945](#)
Darnton N, Bakajin O, Huang R, North B,
Tegenfeldt J O, Cox E C, Sturm J and
Austin R H: Hydrodynamics in $2\frac{1}{2}$
dimensions: making jets in a plane [4891](#)
Das Gupta K, Sambandamurthy G, Soman S S
and Chandrasekhar N: Observation of the
insulator–superconductor transition on solid
inert gas and other substrates [889](#)
Das I: *see* [Rawat R L57, L379](#)
Das P: *see* [Bhattacharya D L431](#)
Das S P: *see* [Kaur C 7259](#)
Dash L K and Fisher A J: Does Luttinger liquid
behaviour survive in an atomic wire on a
surface? [5035](#)
Datars W R: *see* [Barati M 2955](#)
Date S K: *see* [Joseph Joly V L L841, 649, 6433,](#)
[11001](#)
Datta S and Pal A K: EPR studies on melaminium
hexachlorodocuprate—a one-dimensional
dimeric copper (II) chain system [5699](#)
- Davidovich R L: *see* [Panich A M 1609](#)
Davis E A: *see* [Cox S F J 9001](#)
Davis E A: *see* [Gil J M L613](#)
Davoudi B: *see* [Polini M 3591](#)
Dawson K A, Foffi G, Sciortino F, Tartaglia P and
Zaccarelli E: Mode-coupling theory of
colloids with short-range attractions [9113](#)
Day P: *see* [Schrama J M 2235](#)
Day P: *see* [Watts I D 2225](#)
de Barros Marques M I: *see* [Alves Marques](#)
[M 4367](#)
de Castro Barbosa A C: *see* [Costa Jr A T 1827](#)
De Coninck J: *see* [Bénichou O 4835](#)
de Dios-Leyva M and Oliveira L E: Virial
theorem and scaling of shallow-donor binding
energy in quantum-sized semiconductor
heterostructures [9471](#)
De Filippis G: *see* [Iadonisi G 1499](#)
de Groot R A: *see* [Fang C M 67](#)
de Hosson J Th M: *see* [Chechenin N G 5937](#)
De La Rue R M: *see* [Kaliteevski M A 10459](#)
de Lacerda-Arôso T: *see* [Doussineau P 8799](#)
de Lima J C: *see* [Abbate M 5723](#)
de Lima J F: *see* [Jackson R A 2147](#)
de Morais C M: *see* [Alves Marques M 4367](#)
de Morais C M: *see* [Cabaço M I corrigendum](#)
[2751](#)
De Negri S: *see* [Agrestini S 11689](#)
De Negri S: *see* [Bianconi A 7383](#)
De S K: *see* [Dutta P 9187](#)
de With G: *see* [Fang C M 67](#)
Debever J-M: *see* [Charrier A L521](#)
Debray P, Zverev V, Raichev O, Klesse R,
Vasilopoulos P and Newrock R S:
Experimental studies of Coulomb drag
between ballistic quantum wires [3389](#)
Dec J: *see* [Kwapuliński J 1461](#)
Dec J: *see* [Prosandeev S A 5957](#)
Deevi S C: *see* [Reddy B V 8363](#)
Degtyareva O, Degtyareva V F, Porsch F and
Holzapfel W B: Face-centred cubic to
tetragonal transitions in In alloys under high
pressure [7295](#)
Degtyareva V F: *see* [Degtyareva O 7295](#)
Demidenko V: *see* [Lushchik Ch 6133](#)
Demkov A A and Sankey Otto F: Theory of
zeolite supralattices: Se in zeolite Linde type
A [10433](#)
Demuer A, Jaccard D, Sheikin I, Raymond S,
Salce B, Thomasson J, Braithwaite D and
Flouquet J: Further pressure studies around
the magnetic instability of CePd₂Si₂ [9335](#)
den Hartog H W: *see* [Turkin A A 203](#)
DenBaars S P: *see* [Xing H 7139](#)
Deng M, Freyer H, Voitländer J and Ebert H:
Relativistic calculation of magnetic linear
response functions using the
Korringa–Kohn–Rostoker Green's function

- method 8551
- Deng Yuanming: *see* Liu Baoli 8467
- Denicourt T: *see* Affouard F 7237
- Deniszczyk J: *see* Skorek G 6397
- Denning R G: *see* Thorne J R G 7403
- Dent C J: *see* Alexandrov A S L417
- Derby J J: *see* Chelikowsky J R R817
- Dereń P J: *see* Hermanowicz K 5807
- Descamps M: *see* Affouard F 7237
- Desimoni J and Sánchez F H: On the formation of pure and Pt-doped iron silicides using ball milling 2737
- Deák P: *see* Gali A 11607
- Deák P, Aradi B and Gali A: Boron and aluminium doping in SiC and its passivation by hydrogen 9019
- Dhalenne G: *see* Hodges J A 9301
- Dhar S K: *see* Singh S 3753
- Dho Joonghoe, Kim W S, Choi H S, Chi E O and Hur N H: Re-entrant charge-ordering behaviour in the layered manganites $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ 3655
- Di Castro D: *see* Agrestini S 11689
- Di Castro D: *see* Bianconi A 7383
- Di Cicco A: *see* Rybicki J 9781
- Di Francia G: *see* Bernini U 1141
- Di Luccio T: *see* Attanasio C 3215
- Di Paolo R E, Cantelar E, Wang X M, Tsuboi T and Cussó F: Determination of the Er^{3+} to Yb^{3+} energy transfer efficiency in $\text{Er}^{3+}/\text{Yb}^{3+}$ -codoped YVO_4 crystals 7999
- DiBartolo B: *see* Özen G 195
- Dickens N L and Logan D E: On the scaling spectrum of the Anderson impurity model 4505
- Dickens N L: *see* Logan D E 9713
- Dickey R P: *see* Bauer E D L759, 5183
- Didrichsen G: *see* Atkinson R 691
- Diehl R D: *see* Ferralis N 3961
- Dieny B: *see* Ryzhanova N 4001
- Dierking I, Ghosh A K and Haase W: Growth dynamics of ferroelectric domains in chiral hexatic liquid crystals 10321
- Dierking I: Fractal growth of the liquid crystalline B2 phase of a bent-core mesogen 1353
- Diestler D J: *see* Bock H 4697
- Dilley N R: *see* Bauer E D 5183
- Ding A L: *see* Tian H Y 4065
- Ding J W: *see* Cao J X L271
- Ding S Y, Liu Y, Wu X F, Lin F Y, Wang Z H and Qiu L: The effect of the geometric factor on the $V-I$ curve of Ti2212 film 6509
- Ding S Y: *see* Wang Z H 6649
- Ding S Y: *see* Zhang Y H 2583
- Ding S-J, Zhang Q-Q, Zhang D W, Wang J-T and Lee W W: Copper metallization of low-dielectric-constant a-SiCOF films for ULSI interconnects 6595
- Ding Y: *see* Stüßer N 2753
- Diéguez E: *see* Callejo D 1337
- Dobbs H T: *see* Bonn D 4903
- Dobrzyński L: *see* Reniewicz H 11597
- Doi Y and Hinatsu Y: Magnetic properties of ordered perovskites $\text{Ba}_2\text{LnTaO}_6$ (Ln = Y, lanthanides) 4191
- Doi Y: *see* Izumiya Y 1303
- Dolby P, Seviour R and Lambert C J: Transport across a normal–superconducting interface: a novel probe of electron–electron interactions in the normal metal L147
- Dolino G and Bastie P: The role of the incommensurate phase in the opalescence of quartz 11485
- Dolinsek J: *see* Dahlborg U 8873
- Domingos H S: *see* Carlsson J M 9937
- Dong Bing and Lei X L: Kondo-type transport through a quantum dot: a new finite- U slave-boson mean-field approach 9245
- Dong J: *see* Wang N L 5463
- Dong J M: *see* Jiang X F 6519
- Dong Jianjun: *see* Soignard E 557
- Dong Jinming: *see* Dong Z C 3839
- Dong Jinming: *see* Sun Guoya 627
- Dong Q: *see* Shi L 5195
- Dong X L: *see* Zhang Z D 1921
- Dong Z C, Xing D Y and Dong Jinming: Effects of interface roughness and exchange splitting on shot noise in ferromagnet/superconductor junctions 3839
- Dong Zhan-Hai and Gu Shi-Wei: Finite-temperature conductivity in the $t-J$ model with spin frustration 5749
- Donnelly P: *see* Cox S F J 2155
- Donnelly P A: *see* Cox S F J 2169
- Donth E, Huth H and Beiner M: Characteristic length of the glass transition L451
- Dooley D E, Olson D L, Edwards G R and Gibbs F E: Development of an electronic phase diagram and the predictions of plutonium alloy phase stability using electronic properties 8677
- Dore J C: *see* Szczygielska A 5545
- Dorenbos P: *see* van der Kolk E 5471
- Dorfman S, Liubich V, Fuks D and Mundim K C: Simulations of decohesion and slip of the $\Sigma_3(111)$ grain boundary in tungsten with non-empirically derived interatomic potentials: the influence of boron interstitials 6719
- Dormann E: *see* Fasol U 10065
- Dormann E: *see* Kelemen M T 657
- Dormann E: *see* Leyer S 6115
- Dörr K: *see* Ruck K 1571
- dos Santos A O, Yaegashi W H, Marcon R, Li B B, Gelamo R V, Cardoso L P, Sasaki J M, Miranda M A R and

- Mello F E A: Rochelle salt piezoelectric coefficients obtained by x-ray multiple diffraction 10497
- dos Santos Raimundo R: *see* Silva-Valencia J L619
- Doussineau P, de Lacerda-Arôso T and Levelut A: Aging and other related phenomena in potassium niobo-tantalate crystals studied through the frequency dependence of their dielectric constant 8799
- Dove M T: *see* Calleja M 9445
- Dove M T: *see* Trachenko K O 1947
- Dove M T: *see* Tucker M G 403
- Drchal V: *see* Kudrnovský J 8539
- Dressel M: *see* Ostapchuk T 2677
- Dreysse H: *see* Galanakis I 4553
- Driver S M, Hoefft J-T, Polcik M, Kittel M, Terborg R, Toomes R L, Kang J-H and Woodruff D P: Cu(100)_c(2 × 2)-N: a new type of adsorbate-induced surface reconstruction L601
- Drozdowski W: *see* Wojtowicz A J 9599
- Drulis H: *see* Hermanowicz K 5807
- Drulis H: *see* Tereshina I S 8161
- Du Y W: *see* Liu J-M 11
- Du Y W: *see* Xu Q Y 1851, 5047
- Du Youwei: *see* Zhu Hao 1727
- Du Yuwei: *see* Zhang X X 3913
- du Plessis P de V, Strydom A M, Troć R and Menon L: The effect of Th substitution and of magnetic field on Kondo semiconducting behaviour in U₂Ru₂Sn 8375
- Duan Chun-gang, Mei W N, Liu Jianjun and Hardy J R: First-principles study on the optical properties of KNbO₃ 8189
- Dubiel M: *see* Mohr C 525
- Dubinko V I: *see* Turkin A A 203
- Dubois C: *see* Koumetz S L483
- Dubois J M: *see* Dahlborg U 8873
- Dubois J-M: Quasicrystals 7753
- Düchs D: *see* Schmid F 8653
- Düchs D and Schmid F: Phase behaviour of amphiphilic monolayers: theory and simulation 4853
- Dudarev S L: Effect of microstructure on the saturation of swelling in irradiated materials L9
- Dugautier C: *see* Kuzel P 167
- Dumas J: *see* Beille J 1517
- Dunlop A: *see* Kopcewicz M 6067
- Dupasquier A: *see* Macchi C 5717
- Durbin S M: *see* Sage J T 7707
- Durham P J: *see* Lüders M 8587
- Dürr H A: *see* Link S 7873
- Dusek C: *see* Mudryk Ya 7391
- Dutta M: *see* Komirenko S M 6233
- Dutta P, Biswas S and De S K: Alternating-current conductivity and dielectric permittivity of polyaniline doped with β-naphthalene sulphonic acid 9187
- Dyakonov V, Prohorov A, Shapovalov V, Krivoruchko V, Pashchenko V, Zubov E, Mihailov V, Aleshkevych P, Berkowski M, Piechota S and Szymczak H: Surface and bulk spin-wave resonances in La_{0.7}Mn_{1.3}O₃ films 4049
- Dyeyev S: *see* Koroleva L I 5901
- Dzubiella J: *see* Jusufi A 6177
- Eberhardt W: *see* Link S 7873
- Ebert H: *see* Deng M 8551
- Ebert H: *see* Ostanin S 3895
- Eckold G: Kinetics of decomposition in ionic solids: neutron scattering study of the system AgBr–NaBr 217
- Eckold G: *see* Caspary D 11521
- Ecolivet C, Czarniecki P, Wasicki J, Beauflis S, Girard A and Bobrowicz-Sarga L: Elastic and anharmonic properties of pyridinium tetrafluoroborate ([C₅NH₆]⁺[BF₄]⁻ ≡ PyBF₄): light scattering study of the phase transitions at various pressures 6563
- Ederer D L: *see* Kurmaev E Z 3907
- Edgar A, Secu M, Williams G V M, Schweizer, S and Spaeth J-M: Structural phase changes in barium bromide nano-crystals in a fluorobromozirconate glass-ceramic x-ray storage phosphor 6259
- Edgar A: *see* Schweizer S 2331
- Edge A V J: *see* Hofmann M 9773
- Edwards G R: *see* Dooley D E 8677
- Edwards R S: *see* Schrama J M 2235
- Egami T: *see* Bussmann-Holder A L169
- Egelstaff P A: *see* Tomberli B 11405, 11421
- Ehlers G: *see* Stüßer N 2753
- Ehrentraut H: *see* Chrzanowska A 4715
- Eiras J A: *see* Santos I A 11733
- Eiras J A: *see* Souza Filho A G 7305
- Eisenmenger-Sittner C: *see* Hébert C 3791
- Ekkens T B: *see* Ruggiero S T 1819
- El Aouad N, Laaboudi B, Kerouad M and Saber M: Phase transition properties of a ferroelectric spin-1/2 Ising superlattice 797
- El Bouziani M: *see* Bakchich A 91
- El Haj Hassan F: *see* Zaoui A 253
- El Maliki H, Marsillac S, Bernède J C, Faulques E and Wery J: The influence of the substitution of Te for Se on the photoconductive properties of In₂Se_{3-x}Te_{3x} thin films 1839
- Ellerby M, McEwen K A, Watmough M, López de la Torre M A, Naber L and Bauer E: Influence of yttrium substitution on the magnetic and transport properties of UCu₅ 4221

- Elliot M S, Haddon S B and Poon W C K: Direct observation of pre-critical nuclei in a metastable hard-sphere fluid [L553](#)
- Elsässer C: *see* Hutt S [3949](#)
- Enachescu C, Linares J and Varret F: Comparison of static and light-induced thermal hystereses of a spin-crossover solid, in a mean-field approach [2481](#)
- Engelhardt A: *see* Mihailova B [9383](#)
- Ensslin K: *see* Senz V [3831](#)
- Erata T: *see* Furuya K [3519](#)
- Erdman N: *see* Marks L D [10677](#)
- Eriksson O: *see* Galanakis I [4553](#)
- Eriksson S-G: *see* Berastegui P [5077](#)
- Eriksson S: *see* Ivanov S A [25](#)
- Ermolaev A V: *see* Seregin N P [2671](#)
- Ernst A: *see* Lüders M [8587](#)
- Ernstad A: *see* Woods M [8607](#)
- Escobar Galindo R: *see* Chechenin N G [5937](#)
- Escudero R, Briggs A and Monceau P: Point contact characteristics of NbSe₃ in the superconducting state [6285](#)
- Esfarjani K: *see* Chui S T [L49](#)
- Eshghi H: *see* Lancefield D [8939](#)
- Esposito F: *see* Caramico D'Auria A [2017](#)
- Esposito U: *see* Caramico D'Auria A [2017](#)
- Estreicher S K, Wells K, Fedders P A and Ordejón P: Dynamics of interstitial hydrogen molecules in crystalline silicon [6271](#)
- Eto T: *see* Nakashima M [L569](#)
- Etrillard J: *see* Rabiller P [1653](#)
- Evangelakis G A: *see* Vamvakopoulos E [10757](#)
- Every A G: *see* Zhang X [2281](#)
- Ewels C P, Wilson N T, Heggie M I, Jones R and Briddon P R: Graphitization at diamond dislocation cores [8965](#)
- Ewels C: *see* Cox S F J [2169](#)
- Ezerskaya E V: *see* Cheranovskii V O [4525](#)
- Fabre J M: *see* Jaccard D [L89](#)
- Fabre J M: *see* Nad F [L717](#)
- Fadley C S, Van Hove M A, Kaduwela A, Omori S, Zhao L and Marchesini S: Photoelectron and x-ray holography by contrast: enhancing image quality and dimensionality [10517](#)
- Fähnle M: *see* Bester G [11541](#), [11551](#)
- Faigel G: *see* Tegze M [10613](#)
- Fåk B: *see* Pearce J V [4421](#)
- Fal'ko V I: *see* McCann E [6633](#)
- Falcony-Guajardo C: *see* Guzmán-Mendoza J [L955](#)
- Fan Tian-you: *see* Peng Yan-ze [4123](#)
- Fan X-J: *see* Zhou H-D [6195](#)
- Fang Anan, Zhang Weiyi, Wang Zhenlin, Hu An and Ming Naiben: Photonic band gaps of AB₃ and B₃ structures of metallodielectric spheres [8489](#)
- Fang C M, Hintzen H T, de With G and de Groot R A: Electronic structure of the alkaline-earth silicon nitrides M₂Si₅N₈ (M = Ca and Sr) obtained from first-principles calculations and optical reflectance spectra [67](#)
- Fang J: *see* Wang Z H [6649](#)
- Fang Q F: *see* Wang X P [1641](#)
- Fang Q F: *see* Zheng L Q [3411](#)
- Fantoni S: *see* Ciftja O [1041](#)
- Farahmand M, Weber M, Tirino L, Brennan K F and Ruden P P: Theoretical study of direct-current and radio-frequency breakdown in GaN wurtzite- and zinc-blende-phase MESFETs (metal-semiconductor field-effect transistors) [10477](#)
- Farajian A A and Mikami M: Electronic and mechanical properties of C₆₀-doped nanotubes [8049](#)
- Faria J L B: *see* Souza Filho A G [7305](#)
- Farias G A: *see* Freire J A K [3283](#)
- Fasol U and Dormann E: Overhauser shift of the electron spin-resonance line of Si:P at the metal-insulator transition: I. Integral shift [10065](#)
- Fátima Vaz M and Fortes M A: Two-dimensional clusters of identical bubbles [1395](#)
- Faulkner J S, Ujfalussy B, Moghadam N, Stocks G M and Wang Yang: The mathematics of the polymorphous coherent potential approximation [8573](#)
- Faulkner J S: *see* Moghadam N Y [3073](#)
- Faulques E: *see* El Maliki H [1839](#)
- Fedders P A: *see* Estreicher S K [6271](#)
- Fedoseev A I: *see* Gvasaliya S N [3677](#)
- Fehrmann H: *see* Kambili A [L495](#)
- Feki H, Khemakhem H and Abid Y: H⁺-ion conductivity and ferroelectric properties of rubidium ammonium hydrogen sulphate [8509](#)
- Felcher G P: *see* te Velthuis S G E [5577](#)
- Feng Y: *see* Zu F Q [11435](#)
- Feng Yuan Ping: *see* Koh Tong San [1485](#)
- Ferchmin A R: *see* Tomczak P [3851](#)
- Fernández J, Balda R, Mendioroz A and García-Adeva A J: Upconversion processes in Pr³⁺-doped chalcogenide glasses [10347](#)
- Fernandez-Baca J A: *see* Slanič Z [1711](#)
- Fernández-Díaz M T: *see* Velasco P [10991](#)
- Ferralis N, Caragiu M, Franke K J and Diehl R D: LEED study of the potassium-induced reconstruction of Cu(110) [3961](#)
- Ferré J: *see* Pavlov V V [9867](#)
- Ferreira da Silva A, Moysés Araújo C, Sernelius Bo E, Persson C, Ahuja R and Johansson B: Influence of Si doping on optical properties of wurtzite GaN [8891](#)
- Ferreira da Silva A: *see* Persson C [8915](#), [8945](#)
- Ferreira L P: *see* Mendes P J [5285](#)

- Fetter A L and Svidzinsky A A: Vortices in a trapped dilute Bose–Einstein condensate [R135](#)
- Feulner P: *see* Menzel D [11249](#)
- Feyerherm R, Mathonière C and Kahn O: Magnetic anisotropy and metamagnetic behaviour of the bimetallic chain $\text{MnNi}(\text{NO}_2)_4(\text{en})_2$ (en = ethylenediamine) [2639](#)
- Feyerherm R: *see* Maksimov I [5487](#)
- Figiel H: *see* Budziak A [L871](#)
- Figiel H: *see* Leyer S [6115](#)
- Figueiredo F M: *see* Waerenborgh J C [8171](#)
- Fil D V: On the role of electron–phonon interaction in the resistance anisotropy of two-dimensional electrons in GaAs heterostructures [11633](#)
- Filipowicz J: *see* Wolska A [4457](#)
- Filipponi A: EXAFS for liquids [R23](#)
- Fillion G: *see* Boucherle J-X [10901](#)
- Finkelstein Y and Moreh R: Testing the lattice modes of NaCN by nuclear resonance photon scattering [2473](#)
- Finkelstein Y: *see* Nemirovsky D [5053](#)
- Fioretto D: *see* Bovelli S [373](#)
- Fischer G: *see* Leyer S [6115](#)
- Fischer H E: *see* Hamilton M A [2425](#)
- Fischer J E: *see* Papanek P [8287](#)
- Fischer K: *see* Köbler U [123](#), [6835](#)
- Fisher A J: *see* Dash L K [5035](#)
- Fishman R S: Spin-density waves in Fe/Cr trilayers and multilayers [R235](#)
- Fisk Z: *see* Petrovic C [L337](#)
- FitzGerald S A, Sievers A J and Campbell J A: Far-infrared properties of resonant modes and tunnelling states in rare-earth-doped calcium fluoride [2095](#)
- FitzGerald S A, Sievers A J and Campbell J A: Two-level systems in fluorite mixed crystals—a far-infrared study [2177](#)
- Floquet J: *see* Raymond S [8303](#)
- Flores F: *see* Charrier A [L521](#)
- Flouquet J: *see* Demuer A [9335](#)
- Flouquet J: *see* Knebel G [10935](#)
- Foca E V: *see* Ursaki V V [4579](#)
- Foffi G: *see* Dawson K A [9113](#)
- Fontcuberta J: *see* Navarro J [8481](#)
- Ford M J: *see* Sashin V A [4203](#)
- Forget A: *see* Hodges J A [9301](#)
- Fornasini P: Study of lattice dynamics via extended x-ray absorption fine structure [7859](#)
- Forrester J S, Piltz R O, Kisi E H and McIntyre G J: Temperature-induced phase transitions in the giant-piezoelectric-effect material PZN–4.5%PT [L825](#)
- Forstmann F: *see* Iatsevitch S [4769](#)
- Forsyth M: *see* MacFarlane D R [8257](#)
- Fortes M A: *see* Fátima Vaz M [1395](#)
- Fortunato W: *see* Pusep Yu A [10165](#)
- Foster A S: *see* Barth C [2061](#)
- Foster K, Hightower J E, Leisure R G and Skripov A V: Ultrasonic attenuation and dispersion due to hydrogen motion in the C15 Laves-phase compound TaV_2H_x [7327](#)
- Fotteler T: *see* Aarstrand V [735](#)
- Fousek J, Litvin D B and Cross L E: Domain geometry engineering and domain average engineering of ferroics [L33](#)
- Frade J R: *see* Waerenborgh J C [8171](#)
- Fraerman A A, Gusev S A, Nefedov I M, Nozdrin Yu N, Karetnikova I R, Mazo L A, Sapozhnikov M V, Shereshevsky I A and Suhodoev L V: Magnetization curves for two-dimensional rectangular lattices of permalloy nanoparticles: experimental investigation and numerical simulation [683](#)
- Fragneto-Cusani G: Neutron reflectivity at the solid/liquid interface: examples of applications in biophysics [4973](#)
- Franke K J: *see* Ferralis N [3961](#)
- Fravel B: *see* Mielke C [8325](#)
- Freeman E J: *see* Bauer E D [4495](#), [5183](#), [5675](#)
- Freericks J K: *see* Miller P [3187](#)
- Freire J A K, Peeters F M, Freire V N and Farias G A: Exciton trapping in magnetic wire structures [3283](#)
- Freire P T C: *see* Souza Filho A G [7305](#)
- Freire V N: *see* Freire J A K [3283](#)
- Frey E: *see* Bechinger C [R321](#)
- Freye D M: *see* Grosche F M [2845](#)
- Freyer H: *see* Deng M [8551](#)
- Fritsch J: Phonons in low-dimensional systems [7611](#)
- Frontera C, García-Muñoz J L, Llobet A, Aranda M A G, Ritter C, Respaud M and Vanacken J: Room temperature charge and orbital ordering and phase coexistence in $\text{Bi}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ [1071](#)
- Frost D J: *see* Jiang J Z [L515](#)
- Fu Chun-Rong: *see* Song K S [2355](#)
- Fu Riqiang: *see* Bussmann-Holder A [L231](#)
- Fu Xiaorong: *see* Song Zhitang [155](#)
- Fuentes-Cabrera M: *Ab initio* study of the vibrational and electronic properties of CdGa_2S_4 and CdGa_2Se_4 under pressure [10117](#)
- Fuentes-Cabrera M and Sankey O F: Theoretical study of the ordered-vacancy semiconducting compound CdAl_2Se_4 [1669](#)
- Fujimura K: *see* Ishii T [5757](#)
- Fujita K, Nishi M, Tanaka K and Hirao K: Room-temperature photochemical hole burning of Eu^{3+} in sodium borate glasses [6411](#)
- Fujita S: *see* Kawakami Y [6993](#)
- Fujita T: *see* Yamaga M [3461](#)

- Fukamichi K: *see* Miyakawa M 3809
 Fukamichi K: *see* Yokoyama T 9281
 Fuks D: *see* Dorfman S 6719
 Fukuda T: *see* Yamaga M 3461, 10811
 Fukumoto I: *see* Chihara J 7183
 Funahashi R: *see* Matsubara I 5645
 Funato K: *see* Miyajima T 7099
 Fuquan B: *see* Wang J L 1617, 1733
 Furrer A: *see* Strässle T 6773
 Furuya K, Ogawa K, Mineo Y, Matsufuji A, Okuda J and Erata T: Solid ^7Li -NMR and *in situ* XRD studies of the insertion reaction of lithium with tin oxide and tin-based amorphous composite oxide 3519
 Fytas G: *see* Vlassopoulos D R855
- Gaba V: *see* Voloshinovskii A 8207
 Gabriel H: *see* Cenian A 4323
 Gabriel H: *see* Voulgarakis N K 9821
 Gâcon J-C: *see* Aarstrand V 735
 Gaczyński P: *see* Tereshina I S 8161
 Gagnon R: *see* Ryan D H 10159
 Gaididei Y B: *see* Christiansen P L 1181
 Galamic-Mulamerovic S: *see* Nicastro M 1215
 Galanakis I, Alouani M, Oppeneer P M, Dreyssé H and Eriksson O: Tuning the orbital moment in transition metal compounds using ligand states 4553
 Galatanu A: *see* Mudryk Ya 7391
 Galéra R M: *see* Amara M 9621
 Galéra R M: *see* Granovsky S A 6307
 Gali A, Lowther J E and Deák P: Defect states of substitutional oxygen in diamond 11607
 Gali A: *see* Deák P 9019
 Gallart M: *see* Taliercio T 7027
 Galzerani J C: *see* Pusep Yu A 10165
 Gandra F G: *see* Medina A N 8435
 Ganguly R, Gopalakrishnan I K and Yakhmi J V: Comment on ‘The metal–insulator transition and ferromagnetism in the electron-doped layered manganates $\text{La}_{2.3-x}\text{Y}_x\text{Ca}_{0.7}\text{Mn}_2\text{O}_7$ ($x = 0.0, 0.3, 0.5$)’ 3805
 Ganguly R, Hervieu M, Nguyen N, Maignan A, Martin C and Raveau B: The structural, magnetic and electrical properties of the hole-doped cobaltites $\text{La}_{0.7}(\text{Ca}_{1-x}\text{Ba}_x)_{0.3}\text{CoO}_3$ ($x = 0.0, 0.5$ and 1.0) 10911
 Gao Fei: *see* Hu Wangyu 1193
 Gao L, Li Z Y and Yu K W: Enhancement of optical nonlinearity through shape distribution 7271
 Gao S X: *see* Wang W H 2607
 García F: *see* Stewart S J 1743
 García J: *see* Blasco J L729
 García J, Concepción Sánchez M, Blasco J, Subías G and Grazia Proietti M: Analysis of the x-ray resonant scattering at the Mn K edge in half-doped mixed valence manganites 3243
 García J, Concepción Sánchez M, Subías G and Blasco J: High resolution x-ray absorption near edge structure at the Mn K edge of manganites 3229
 García-Adeva A J: *see* Fernández J 10347
 García-Moliner F: *see* Pérez-Álvarez R 3689
 García-Moliner F: *see* Rodríguez-Coppola H 3139
 García-Hipólito M: *see* Guzmán-Mendoza J L955
 García-Muñoz J L: *see* Frontera C 1071
 García Solé J: *see* Cascales C 8071
 García Solé J: *see* Chen Xueyuan 1171
 Gardner N J G: *see* Hull S 2295
 Garg A B: *see* Vijayakumar V 1961
 Garg K B: *see* Singhal R K 6865
 Garrett J D: *see* Gibson B J 3123
 Gärtner G: *see* Sarua A 6687
 Gaspar A M: *see* Alves Marques M 4367
 Gaspar A M: *see* Cabaço M I *corrigendum* 2751
 Gasparini F M, Kimball M O and Mooney K P: The superfluid transition of ^4He , a test case for finite-size scaling at a second-order phase transition 4871
 Gaumé R: *see* Haumesser P-H 5427
 Gavartin J L: Effects of zero-point phonons and atomic correlations on the electronic properties of crystalline MgO at finite temperatures 10873
 Gdaniec M: *see* Małuszyńska H 11053
 Ge W K: *see* Liu Baoli 8467
 Ge W K: *see* Liu Bo 3923
 Gebhard F: *see* Bünemann J 9985
 Gegenwart P: *see* Hossain Z 4535
 Gehlhoff W: *see* Pereira R N 8957
 Gehring G A: *see* Srinithiwarawong C 7987
 Geibel C: *see* Hossain Z 4535
 Geibel C: *see* Kitaoka Y L79
 Gelamo R V: *see* dos Santos A O 10497
 Gelfert A and Nolting W: The absence of finite-temperature phase transitions in low-dimensional many-body models: a survey and new results R505
 Genser O and Hafner J: First-principles studies of the stability of Zintl ions in alkali–tin alloys: I. Crystalline intermetallic compounds 959
 Genser O and Hafner J: First-principles studies of the stability of Zintl ions in alkali–tin alloys: II. Liquid alloys 981
 George A K: *see* George N A 365
 George N A, Vallabhan C P G, Nampoori V P N, George A K and Radhakrishnan P: Photoacoustic evaluation of the thermal effusivity in the isotropic phase of certain comb-shaped polymers 365
 Georges P: *see* Pavlov V V 9867

- Gerald II R E, Sanchez J, Johnson C S, Klingler R J and Rathke J W: *In situ* nuclear magnetic resonance investigations of lithium ions in carbon electrode materials using a novel detector 8269
- Gerasimchuk I V and Kovalev A S: Spatial localization of light flux in an array of nonlinear optical waveguides L885
- Gerward L: *see* Wařkowska A 2549
- Geshi M, Oda T and Hiwatari Y: Electronic structure and structural stability of the high-pressure orthorhombic phase of selenium 9401
- Ghivelder L: *see* Schilling O F 11017
- Ghosh A: Spin dynamics of a one-dimensional spin-1/2 fully anisotropic Ising-like antiferromagnet in a transverse magnetic field 5205
- Ghosh A: *see* Sen S 1979
- Ghosh A K: *see* Dierking I 10321
- Gibart P: *see* Muńoz E 7115
- Gibart P: *see* Nelson D 7043
- Gibbs F E: *see* Dooley D E 8677
- Gibson B J, Kremer R K, Jepsen O, Garrett J D, Hoffmann R-D and Pöttgen R: Structure and chemical bonding of UAuGe 3123
- Gibson B J, Pöttgen R, Schnelle W, Ouladdiaf B and Kremer R K: Crystal and magnetic structure of antiferromagnetic HoAuGe 2593
- Giesen M and Baier S: Atomic transport processes on electrodes in liquid environment 5009
- Gil B: *see* Nelson D 7043
- Gil J M, Alberto H V, Vilão R C, Piroto Duarte J, Ayres de Campos N, Weidinger A, Davis E A and Cox S F J: Muonium states in HgO L613
- Gil J M: *see* Cox S F J 9001
- Gil J M: *see* Mendes P J 5285
- Ginatempo B: *see* Bruno E L711
- Ginatempo B: *see* Raze S S A 8153, 8565
- Giordano N and Cheng J-T: Microfluid mechanics: progress and opportunities R271
- Giovannini M: *see* Agrestini S 11689
- Giovannini M: *see* Bauer E L487
- Giovannini M: *see* Bianconi A 7383
- Girard A: *see* Ecolivet C 6563
- Girard S: *see* Laroche M 765
- Girshberg Y and Yacoby Y: Off-centre displacements and ferroelectric phase transition in dilute $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$ 8817
- Giuliano E S: *see* Bruno E L711
- Givord F: *see* Boucherle J-X 10901
- Glinchuk M D: *see* Ostapchuk T 2677
- Glodo J: *see* Wojtowicz A J 9599
- Gloskovskii A: *see* Voloshinovskii A 8207
- Glutsch S: *see* Hannewald K 275
- Glyde H R: *see* Pearce J V 4421
- Gmelin E: *see* Schnelle W 6087
- Gnecco E, Bennewitz R, Gyalog T and Meyer E: Friction experiments on the nanometre scale R619
- Godart C: *see* Mudryk Ya 7391
- Godlevsky V V: *see* Chelikowsky J R R817
- Godwal B K: *see* Vijayakumar V 1961
- Goff J P: *see* Clegg P S 10175, 10191
- Gold A: Linear temperature dependence of mobility in quantum wells and the effects of exchange and correlation 11641
- Goll D: *see* Zhang Junxian 10487
- Golub L E: *see* Averkiev N S 2517
- Gomes M J M: *see* Vasilevskiy M I 3491
- Gompper G, Richter D and Strey R: Amphiphilic block copolymers in oil–water–surfactant mixtures: efficiency boosting, structure, phase behaviour and mechanism 9055
- Goncharenko A V, Lozovski V Z and Venger E F: Effective dielectric response of a shape-distributed particle system 8217
- Gong Chang-De: *see* An Jin 115
- Gong H: *see* Zhang L H 2989
- Gonzalez A: *see* Pérez R L539
- González D J: *see* González L E 7801
- González L E, González D J and López J M: Pseudopotentials for the calculation of dynamic properties of liquids 7801
- Goodman S A: *see* Auret F D 8989
- Gopalakrishnan I K: *see* Ganguly R 3805
- Gopinath C S: *see* Joseph Joly V L 649, 11001
- Gorbenko O Yu: *see* Koroleva L I 5901
- Gorbulin G L: *see* Budaguan B G 6615
- Gorn N L: *see* Berkov D V 9369
- Gorshunov B: *see* Ostapchuk T 2677
- Goslar J: *see* Hoffmann S K 707
- Goslar J: *see* Hoffmann S K 7443
- Goss J P, Hourahine B, Jones R, Heggie M I and Briddon P R: p-type surface doping of diamond: a first-principles study 8973
- Goss J P: *see* Coomer B J L1
- Goto T: *see* Oda M 11465
- Goto T: *see* Yokoyama T 9281
- Gough C E: *see* Hein M A L65
- Gourier D: *see* Mehta V 4567
- Goy P: *see* Schrama J M 2235
- Graboy I E: *see* Koroleva L I 5901
- Grammatikakis J, Manolopoulos M and Papatthanassiou A N: Identification of dipole relaxation in $\text{LiF}:\text{Be}^{2+}$ crystals through piezostimulated depolarization currents 5251
- Grandi T A: *see* Abbate M 5723
- Grandjean D: *see* Wu Z 5269
- Grandjean F: *see* Vandormael D 1759
- Grandjean N, Damilano B and Massies J: Group-III nitride quantum heterostructures grown by molecular beam epitaxy 6945
- Grandjean N: *see* Nelson D 7043
- Granovsky S A, Amara M, Galéra R M and

- Kunii S: Magnetic and magneto-elastic properties of a single crystal of TbB_6 6307
- Gratz E and Markosyan A S: Physical properties of RCO_2 Laves phases R385
- Gratz E: *see* Budziak A L871
- Graul J: *see* Afanasjev V P 8755
- Graupner W: *see* Schroeder R L313
- Grazia Proietti M: *see* García J 3243
- Greber T: Exploiting the photoelectron source wave with near-node photoelectron holography 10561
- Green D S: *see* Xing H 7139
- Greenbaum S G: *see* Chung S H 11763
- Greneche J-M: *see* Chinnasamy C N *corrigendum* 1179
- Greneche J-M: *see* Helgason Ö 10785
- Grey C P: *see* Castiglione M J 51
- Grigas J: *see* Banys J 1773
- Grimaud C-M and Palmer R E: Implantation of Pt_3^- and Ag_3^- clusters into graphite: an STM study 1869
- Grinberg M, Kaczmarek S M, Berkowski M and Tsuboi Taiju: The Jahn–Teller effect in the $SrLaGa_3O_7:Co^{2+}$ system 743
- Grinberg M: *see* Koepke Cz 2701
- Grosche E G, Ashwin M J, Newman R C, Robbie D A and Sangster M J L: Vibrational modes of sulphur–copper donor–acceptor pairs in GaP: effects of increasing local force constants by impurity pairing 2117
- Grosche F M, Walker I R, Julian S R, Mathur N D, Freye D M, Steiner M J and Lonzarich G G: Superconductivity on the threshold of magnetism in $CePd_2Si_2$ and $CeIn_3$ 2845
- Gross M: *see* Schrama J M 2235
- Groult D: *see* Beille J 1517
- Grünberg P: Layered magnetic structures: facts, figures, future 7691
- Grunze M: *see* Zharnikov M 11333
- Gružinskis V: *see* Starikov E 7159
- Grytsiv A: *see* Mudryk Ya 7391
- Grzegory I: High pressure growth of bulk GaN from solutions in gallium 6875
- Grzegory I: *see* Krukowski S 8881
- Gu Ben-Yuan: *see* Xu H Q 3599, 9505
- Gu Bing-Lin: *see* Liu Zhi-Rong 1133
- Gu Gang: *see* Zhang X X 3913
- Gu Shi-Wei: *see* Dong Zhan-Hai 5749
- Güdel H U: *see* Wermuth M 9583
- Gudyma Yu V: *see* Vengrenovich R D 2947
- Gueffaf A, Salim M and Raven M S: Paraconductivity of oxygen-deficient $YBa_2Cu_3O_x$ thin films 875
- Guérault H: *see* Chinnasamy C N *corrigendum* 1179
- Guerman K E: *see* Tarasov V P 11041
- Guien Zhou: *see* Yuzhi Li 6019
- Guinet Y: *see* Affouard F 7237
- Gumbs G: *see* Zimbovskaya N A L409
- Günther D: *see* Stüber N 2753
- Guo J-H: *see* Kurmaev E Z 3907
- Guo Junqing: *see* Sato Taku J L105
- Guo Kangxian: *see* Wang Guanghui 8197
- Guo L: *see* Wu Z 5269
- Guo Y Q: *see* Roy S 9547
- Gusak A M, Hodaj F and Bogatyrev A O: Kinetics of nucleation in the concentration gradient 2767
- Gusev S A: *see* Fraerman A A 683
- Güthoff F: *see* Caspary D 11521
- Gutiérrez J: *see* Peña A 6535
- Güttler B: *see* Mihailova B 9383
- Guzmán-Mendoza J, García-Hipólito M, Aguilar-Frutis M and Falcony-Guajardo C: Structural characteristics of Al_2O_3 thin films prepared by spray pyrolysis L955
- Gvasaliya S N, Fedoseev A I, Lushnikov S G, Schmidt V H, Tuthill G F and Shuvalov L A: Acoustic anomalies at phase transformation to quasi-2D proton glass state in $Cs_5H_3(SO_4)_4 \times xH_2O$ crystal 3677
- Gyalog T: *see* Gnecco E R619
- Gygax F N: *see* Schenck A 4277
- Gyorffy B L: *see* Szotek Z 8625
- Haase W: *see* Dierking I 10321
- Haberkern R: *see* Rosenbaum R 3169
- Haddon S B: *see* Elliot M S L553
- Hafner J: *see* Chang C M L321
- Hafner J: *see* Genser O 959, 981
- Hafner J: *see* Hafner R L239
- Hafner J: *see* Hirschl R 3545
- Hafner J: *see* Hobbs D L681
- Hafner J: *see* Krajčí M 3817
- Hafner R, Spišák D, Lorenz R and Hafner J: Does density-functional theory predict a spin-density-wave ground state for Cr? L239
- Haga Y: *see* Nakashima M L569
- Haga Y: *see* Sakai H L785
- Haga Y: *see* Settai R L627
- Haga Y: *see* Sumiyama A L879
- Haga Y: *see* Tateiwa N *corrigendum* 6443
- Haga Y: *see* Tateiwa N L17
- Hägström L: *see* Kalska B 2963
- Hahn Jong Hoon: *see* Lim Ae Ran 2025
- Hai G-Q: *see* Bruno-Alfonso A 9761
- Hai Guo-Qiang: *see* Tavares M R S 6421
- Hainbuchner M: *see* Mazumder S 5089
- Haines J, Léger J M, Chateau C and Lowther J E: Experimental and theoretical investigation of Mo_2C at high pressure 2447
- Hamad B A and Khalifeh J M: Magnetism in vanadium–molybdenum systems 573
- Hämäläinen K: *see* Soininen J A 8039

- Hämäläinen K and Manninen S: Resonant and non-resonant inelastic x-ray scattering 7539
- Hamer C J: *see* Weihong Zheng 433
- Hamilton D S: *see* Bartram R H 2377
- Hamilton D S: *see* Wein G R 2363
- Hamilton M A, Barnes A C, Howells W S and Fischer H E: Ag⁺ dynamics in the superionic and liquid phases of Ag₂Se and Ag₂Te by coherent quasi-elastic neutron scattering 2425
- Hamley I W: Structure and flow behaviour of block copolymers R643
- Hammer L: *see* Meier W 1781, 1793
- Hammer L: *see* Müller S 9897
- Hampshire D P: The non-hexagonal flux-line lattice in superconductors 6095
- Hamraoui H: *see* Huruguen J P 4939
- Han C Q: *see* Liu Q L 6529
- Han K-H, Huang Q, Ong P C and Ong C K: Thermal hysteresis in low-frequency noise of La_{0.7}Sr_{0.3}Mn_{0.92}Fe_{0.08}O₃ thin films at low magnetic field 8745
- Han T P J: *see* Koepke Cz 2701
- Han Xiong: *see* Li Run-Wei 141
- Hanamura E: *see* Iizuka-Sakano T 3031
- Hanazono K: *see* Tateiwa N L17, corrigendum 6443
- Hanfland M: *see* Staub U 11511
- Hang Yin: *see* Xiao Jingzhong 11567
- Hanmin Jin: *see* Sufen Zhao 3865
- Hannahs S: *see* Rosenbaum R 3169
- Hannewald K, Glutsch S and Bechstedt F: Excitonic insulator through coherent pulse excitation? 275
- Hansen A: *see* Olivi-Tran N L135
- Hanuza J: *see* Hermanowicz K 5807
- Harada D, Hinatsu Y and Ishii Y: Studies on the magnetic and structural phase transitions of Nd₃RuO₇ 10825
- Harada K: *see* Abe H 3257
- Harder R J: *see* Saldin D K 10689
- Hardy J R: *see* Duan Chun-gang 8189
- Harigaya K: The mechanism of magnetism in stacked nanographite: theoretical study 1295
- Harima H: *see* Settai R L627
- Harris J J, Lee K J, Maude D K, Portal J-C, Wang T and Sakai S: Phase diagram for the quantum Hall effect in a high-mobility AlGaN/GaN heterostructure L175
- Harris R: *see* Schrama J M 2235
- Harrison N, Mielke C H, Singleton J, Brooks J S and Tokumoto M: Experimental evidence for Fröhlich superconductivity in high magnetic fields L389
- Harrison N and Singleton J: On the de Haas–van Alphen effect in inhomogeneous alloys L463
- Harrison N: *see* Mielke C 8325
- Harrison N: *see* Singleton J L899
- Hartmann M: *see* Vogl G 7763
- Hartnagel H L: *see* Sarua A 6687
- Hasegawa Y: *see* Nakasu A 7421
- Hashimoto H, Takahashi H, Yamada T, Kuroyanagi K and Kobayashi T: Characteristics of the terahertz radiation from single crystals of *N*-substituted 2-methyl-4-nitroaniline L529
- Hashizume H: *see* Yamaguchi Y 8733
- Haslinger R and Shannon N: X-ray photoemission spectroscopy as a probe of charge-gap opening in many-electron systems 10089
- Häse K: *see* Wimbush S C L355
- Hatch D M: *see* Hatt R A 3111
- Hatt R A and Hatch D M: A symmetry comparison of orientation-twin and antiphase domain walls in Pb₃(VO₄)₂ 3111
- Hattori K: *see* Yamaga M 10811
- Hattori T: *see* Kamishima O 2455
- Haumesser P-H, Gaumé R, Viana B, Antic-Fidancev E and Vivien D: Spectroscopic and crystal-field analysis of new Yb-doped laser materials 5427
- Hausfeld N: *see* Reyher H J 3767
- Häussler P: *see* Rosenbaum R 3169
- Hautot D: *see* Vandormael D 1759
- Hayakawa K: *see* Itoh M 6853
- Hayashi J: *see* Shirohata I 1939
- Hayes M: *see* Auret F D 8989
- Hayes T M, Lurio L B and Persans P D: Growth and dissolution of CdS nanoparticles in glass 425
- Hayes W: *see* Hull S 2295
- Hayes W: *see* McDonald R D L291
- He L L: *see* Yang Z Q 8475
- He Meng: *see* Li Jianye L285, L937
- He M: *see* Chen X L L723
- He T and Cava R J: The effect of Ru-site dopants on the magnetic properties of CaRuO₃ 8347
- He X Y: *see* Tian H Y 4065
- He Y J, Zhang H Y, Chen Y B, Wang H Y and Horiuchi T: Positron annihilation lifetime in mesoporous silica MCM-41 at different vacuum levels 2467
- He Yanyang: *see* Zhang Haiyan 2883
- Hearne G R: *see* Takele S 10077
- Hébert C, Clair S, Eisenmenger-Sittner C, Bangert H, Jouffrey B and Schattschneider P: Electron energy-loss spectroscopy fine structure of the Cu L_{2,3} ionization edge in substitutional Cu–Ni alloys 3791
- Hédoux A: *see* Affouard F 7237
- Heggie M I: *see* Ewels C P 8965
- Heggie M I: *see* Goss J P 8973
- Heggie M: *see* Cox S F J 2169
- Heikman S: *see* Xing H 7139
- Hein M A, Ormeno R J and Gough C E: The microwave surface impedance of ultra-pure

- superconducting metals [L65](#)
- Heinz K, Seubert A and Saldin D K: Holographic low-energy electron diffraction [10647](#)
- Heinz K: *see* Meier W [1781](#)
- Heinz K: *see* Müller S [1793](#), [9897](#)
- Heinzel T: *see* Senz V [3831](#)
- Hejtmánek J: *see* Krupička S [6813](#)
- Held R: *see* Senz V [3831](#)
- Helgason Ö, Greneche J-M, Berry F J, Mørup S and Mosselmans F: Tin- and titanium-doped γ -Fe₂O₃ (maghemite) [10785](#)
- Hellsing B: *see* Carlsson J M [9937](#)
- Hembree G G: *see* Weierstall U [10665](#)
- Hemley R J: *see* Mao Ho-kwang [7847](#)
- Henderson D O: *see* Ueda A [5535](#)
- Hendren W R: *see* Atkinson R [691](#)
- Heni M and Löwen H: Precrystallization of fluids induced by patterned substrates [4675](#)
- Henk J: Temperature-dependent electronic structure, spin-resolved photoemission, and magnetic dichroism of ultrathin ferromagnetic films: Co/Cu(001) [833](#)
- Henning D: *see* Voulgarakis N K [9821](#)
- Herfort U and Wagner M: Quantum dynamics of the prototype polaron model [3297](#)
- Herlach D M: Metastable materials solidified from undercooled melts [7737](#)
- Hermanowicz K, Hanuja J, Mączka M, Dereń P J, Mugeński E, Drulis H, Sokolska I and Sokolnicki J: Optical properties of chromium(III) in M^IIn(MoO₄)₂ hosts, where M^I = Li, Na, K, Rb, Cs [5807](#)
- Herminghaus S: *see* Seemann R [4925](#)
- Hernando J A and Blum L: Density functional formalism in the canonical ensemble [L577](#)
- Hernández J M: *see* Cheang-Wong J C [10207](#)
- Hernández T: *see* Peña A [6535](#)
- Hernández-Cabrera A: *see* Vasko F T [7283](#)
- Herrero C P: The isotopic mass and lattice parameter of diamond; a path-integral simulation [5127](#)
- Hervieu M: *see* Ganguly R [10911](#)
- Hewson A C: Renormalized perturbation calculations for the single-impurity Anderson model [10011](#)
- Hiejima Y, Kajihara Y, Kohno H and Yao M: Dielectric relaxation measurements on methanol up to the supercritical region [10307](#)
- Hightower J E: *see* Foster K [7327](#)
- Higuchi S: *see* Kondo S [11077](#)
- Hikmet and Yükselici M: Two different mechanisms of formation of quantum dots in borosilicate glass [6123](#)
- Hilczler B: *see* Perrin C [10231](#)
- Hilczler W: *see* Hoffmann S K [707](#), [7443](#)
- Hilf M F: *see* Brenig W [R61](#)
- Hillebrecht F U: Magnetic imaging [11163](#)
- Hilscher G: *see* Ya Kotur B [9421](#)
- Himpfel F J, Altmann K N, Bennewitz R, Crain J N, Kirakosian A, Lin J-L and McChesney J L: One-dimensional electronic states at surfaces [11097](#)
- Hinatsu Y: *see* Doi Y [4191](#)
- Hinatsu Y: *see* Harada D [10825](#)
- Hinatsu Y: *see* Izumiyama Y [1303](#)
- Hinatsu Y: *see* Matsuhira K [L737](#)
- Hinatsu Y: *see* Taira N [5527](#)
- Hino T: *see* Miyajima T [7099](#)
- Hintzen H T: *see* Fang C M [67](#)
- Hiramatsu K: Epitaxial lateral overgrowth techniques used in group III nitride epitaxy [6961](#)
- Hirao K: *see* Fujita K [6411](#)
- Hirayama T: *see* Lee C H [L45](#)
- Hirosawa S: *see* Stankiewicz J [303](#)
- Hirschl R, Hafner J and Jeanvoine Y: The phase diagram and electronic structure of Pd-V alloys: *ab initio* density functional calculations [3545](#)
- Hiwatari Y: *see* Baumketner A [10279](#)
- Hiwatari Y: *see* Geshi M [9401](#)
- Hjörvarsson B: *see* Miniotas A [L855](#)
- Hjörvarsson B: *see* Olsson S [1685](#)
- Hmina N: *see* Lahmar A [3931](#)
- Ho C H, Yen P C, Huang Y S and Tiong K K: Polarized electrolyte-electroreflectance study of ReS₂ and ReSe₂ layered semiconductors [8145](#)
- Hobbs D and Hafner J: *Ab initio* density functional study of phase stability and noncollinear magnetism in Mn [L681](#)
- Hodaj F: *see* Gusak A M [2767](#)
- Hodges J A, Bonville P, Forget A, Rams M, Królas K and Dhahenne G: The crystal field and exchange interactions in Yb₂Ti₂O₇ [9301](#)
- Hoelt J T: *see* Woodruff D P [10625](#)
- Hoelt J-T: *see* Driver S M [L601](#)
- Hoffmann G P and Löwen H: Freezing and melting criteria in non-equilibrium [9197](#)
- Hoffmann H: *see* Brunner W [2865](#)
- Hoffmann R-D: *see* Gibson B J [3123](#)
- Hoffmann S K, Goslar J, Hilczler W and Augustyniak-Jablokow M A: Electron spin relaxation of vibronic Cu(H₂O)₆ complexes in K₂Zn(SO₄)₂·6H₂O single crystals [707](#)
- Hoffmann S K, Hilczler W, Goslar J and Augustyniak-Jablokow M A: Raman spin-lattice relaxation, Debye temperature and disorder effects studied with electron spin echo of Cu²⁺ in Tutton salt crystals [7443](#)
- Hofmann M, Campbell S J, Edge A V J and Studer A J: The magnetic structures of YbMn₂Si₂ [9773](#)
- Hofmann M: *see* Penc B [4471](#)
- Hofmann M: *see* Stüßer N [2753](#)
- Hofmann M: *see* Szytuła A [8007](#)

- Hofmeister H: *see* Mohr C 525
Hofstaetter A: *see* Watterich A 1595
Holleboom L J: *see* Brauer H E 9879
Holzapfel B: *see* Wimbush S C L355
Holzapfel W B: *see* Degtyareva O 7295
Homes C C: *see* Tzamalīs G 6297
Honda F: *see* Nakashima M L569
Honda M: *see* Yamaga M 3461, 10811
Honerkamp Carsten and Sigrist Manfred: Bound states in d-density-wave phases 11669
Hong I H: *see* Chang C Y 10709
Hong Jung-Pyo: *see* Kang Jun-Gill 2835
Honkimäki V: *see* Kernavanois N 9677
Honkimäki V: *see* Staub U 11511
Horiuchi T: *see* He Y J 2467
Horn S: *see* Kaps H 8497
Hoshino Y: *see* Okazawa T 9835
Hosokoshi Y: *see* Tanaka M 7429
Hossain Z, Takabatake T, Geibel C, Gegenwart P, Oguro I and Steglich F: Evidence for low-dimensional magnetic behaviour in CePt_5Ge_3 4535
Hotta A and Terentjev E M: Long-time stress relaxation in polyacrylate nematic liquid crystalline elastomers 11453
Hotz R, Krüger J K, Possart W and Tadros-Morgane R: Guided acoustic waves in layered polymer films: interpretation of Brillouin data 7953
Hou J G: *see* Li Xiang 3987
Hou M, Souidi A and Becquart C S: Variability in atomic collision cascade distributions 5365
Hourahine B: *see* Cox S F J 2169
Hourahine B: *see* Goss J P 8973
Howard C J: *see* Moussa S M L203
Howells W S: *see* Dahlborg U 8873
Howells W S: *see* Hamilton M A 2425
Hriljac J A: *see* Kennedy B J L925
Hsu S-Y: *see* Rosenbaum R 10041
Hsueh H C: *see* Asokan K 11087
Hu An: *see* Fang Anan 8489
Hu H: *see* Chen F 5893
Hu Tiandou: *see* Qi Zeming 11503
Hu Wangyu, Zhang Bangwei, Huang Baiyun, Gao Fei and Bacon D J: Analytic modified embedded atom potentials for HCP metals 1193
Hu Xinhua, Wang Guozhong, Wu Weimin, Jiang Ping and Zi Jian: The vibrational density of states and specific heat of Si nanocrystals L835
Hu Zhan-Ning, Wang Jun-Zhong and Li Bo-Zang: A double-quantum-well model of the exchange coupling in Fe/ZnSe/Fe L215
Huan C H A: *see* Zheng J-C 5295
Huang Baiyun: *see* Hu Wangyu 1193
Huang Houjin: *see* Zhang X X 3913
Huang Jung Y, Tang L-C and Lee M H: *Ab initio* study of the structural and optical properties of orthorhombic ternary nitride crystals 10417
Huang Q, Li Z W, Li J and Ong C K: The magnetic, electrical transport and magnetoresistance properties of epitaxial $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ($x = 0-0.20$) thin films prepared by pulsed laser deposition 4033
Huang Q: *see* Han K-H 8745
Huang Q: *see* Li J 3419
Huang Q: *see* Liu J-M 11
Huang R: *see* Darnton N 4891
Huang Sheng-You, Zou Xian-Wu and Jin Zhun-Zhi: Early dynamics of the potential energy evolution in two-dimensional gas-liquid phase separation 7343
Huang Xinfan: *see* Zhang Lin 5947
Huang X: *see* Wang L 9857
Huang Y N: *see* Ying X N 9813
Huang Y S: *see* Ho C H 8145
Huang Yidong: *see* Chen Xueyuan 1171
Hübner W: *see* Marcus P M 3977
Hughes H P: *see* Brauer H E 9879
Huisinga M: *see* Puchin V E 2081
Hull S and Keen D A: Structural characterization of further high temperature superionic phases of Ag_2HgI_4 and Cu_2HgI_4 5597
Hull S, Keen D A, Gardner N J G and Hayes W: The crystal structures of superionic Ag_3SI 2295
Hull S: *see* Berastegui P 5077
Hull S: *see* Keen D A L343
Hume T: *see* Jones G D 2127
Hundley M F: *see* Petrovic C L337
Hunter B A: *see* Moussa S M L203
Huo T Y: *see* Singhal R K 6865
Hur N H: *see* Dho Joonghoe 3655
Huruguen J P, Amara M, Méar A M, Hamraoui H, Olier R and Privat M: Critical and wetting transitional adsorption behaviour in a liquid system against vapour and other walls 4939
Husmann A: *see* Jestädt Th 2263
Huth H: *see* Donth E L451
Hutt S, Köstlmeier S and Elsässer C: Density functional study of the $\Sigma 3$ (111) $[\bar{1}\bar{1}0]$ symmetrical tilt grain boundary in SrTiO_3 3949
Hutzler S: *see* Cox S J 4863
Hyvönen J: *see* Alanko T 10777
Iadonisi G, Perroni C A, Cataudella V and De Filippis G: Crossover from large to small bipolarons 1499
Iakubovskii K and Adriaenssens G J: Trapping of vacancies by defects in diamond 6015

- Iatsevitch S and Forstmann F: Structure and surface tension of interfaces between demixing liquids: model calculations using integral equations 4769
- Ibberson R M: *see* Margadonna S L795
- Ibragimov Kh O: *see* Abakarova N S 10947
- Ibragimov Kh O: *see* Kamilov I K 4519
- Idl E: *see* Mudryk Ya 7391
- Ihaddadene M: *see* Koumetz S L483
- Ihm S H: *see* Bahng Jae Ho 777
- Ihn T: *see* Senz V 3831
- Iizuka-Sakano T, Hanamura E and Tanabe Y: Second-harmonic-generation spectra of the hexagonal manganites RMnO_3 3031
- Ikeda M: *see* Miyajima T 7099
- Ikeda S: *see* Mitra S 8455
- Ikeda S: *see* Settai R L627
- Imai T: *see* Yamaga M 753
- Inada Y: *see* Sumiyama A L879
- Indekeu J O: *see* Bonn D 4903
- Ing Liem Suk: *see* Jones G D 2127
- Inglesfield J E: *see* Martin D S L607
- Inokuti M: *see* Smith D Y 3883
- Inoshita T: Nonperturbative terahertz electro-optics of semiconductor quantum wells in strong magnetic fields 10979
- Inoue Akihisa: *see* Li Chunfei L803
- Inoue A: *see* Saida J L73
- Inoue K: *see* Ovchinnikov A S 5221
- Inoue K: *see* Tanaka M 7429
- Inui M: *see* Tamura K R337
- Ioffe L B and Lopatin A V: Replica-symmetry breaking in long-range glass models without quenched disorder L371
- Ioffe L B: *see* Chandra P L697
- Irmer G: *see* Sarua A 6687
- Ishida K: *see* Kitaoka Y L79
- Ishii T, Fujimura K, Ogasawara K, Adachi H and Tanaka I: Theoretical calculation for the multiplet structures of tetrahedrally coordinated Cr^{4+} in silicate crystals 5757
- Ishii Y: *see* Harada D 10825
- Ishikane M: *see* Kondo S 11077
- Ishikawa M, Takeda N, Ahmet P, Karaki Y and Ishimoto H: Ferromagnetic interaction and superconductivity of CeCu_2Si_2 L25
- Ishikawa M: *see* Matsuoka E 11009
- Ishikawa M: *see* Takeda N 5971
- Ishimaru M: Molecular-dynamics study on atomistic structures of amorphous silicon 4181
- Ishimatsu N: *see* Shirovani I 1939
- Ishimoto H: *see* Ishikawa M L25
- Ishizawa N: *see* Yamaga M 10811
- Islam A K M A, Islam F N and Kabir S: *Ab initio* investigation of mechanical behaviour of MgB_2 superconductor under pressure L641
- Islam A K M A: *see* Islam F N 11661
- Islam F N, Islam A K M A and Islam M N: Electronic structure and electric field gradient in MgB_2 under pressure: an *ab initio* study 11661
- Islam F N: *see* Islam A K M A L641
- Islam M N: *see* Islam F N 11661
- Isnard O, Sippel A, Loewenhaupt M and Bewley R: A high energy inelastic neutron scattering investigation of the Gd-Fe exchange coupling in $\text{Gd}_2\text{Fe}_{17}\text{D}_x$ ($x = 0, 3$ and 5) 3533
- Isnard O: *see* Chacon C 5841
- Isobe M: *see* Baumketner A 10279
- Itié J P: *see* Sadoc A 8527
- Ito T: *see* Saito E L267
- Itoh M, Hayakawa K and Oishi S: Optical properties and electronic structures of layered MoO_3 single crystals 6853
- Itoh N and Stoneham A M: Treatment of semiconductor surfaces by laser-induced electronic excitation R489
- Itoh N, Stoneham D and Stoneham A M: The predose effect in thermoluminescent dosimetry 2201
- Ivankiv I M: *see* Radantsev V F 851
- Ivanov S A, Eriksson S, Thomas N W, Tellgren R and Rundlof H: A neutron powder diffraction study of the ferroelectric relaxor $\text{Pb}(\text{Fe}_{1/2}\text{Ta}_{1/2})\text{O}_3$ 25
- Ivanov S N: *see* Charnaya E V 8775
- Iwami M: *see* Kurmaev E Z 3907
- Iwamura H: *see* Tanaka M 7429
- Iwasa N: *see* Mukai T 7089
- Iwasa Y: *see* Saito E L267
- Izumiyama Y, Doi Y, Wakeshima M, Hinatsu Y, Shimojo Y and Morii Y: Magnetic properties of the antiferromagnetic double perovskite $\text{Ba}_2\text{PrRuO}_6$ 1303
- Jacak L: *see* Krasny Yu P 4341
- Jaccard D, Wilhelm H, Jérôme D, Moser J, Carcel C and Fabre J M: From spin-Peierls to superconductivity: $(\text{TMTTF})_2\text{PF}_6$ under high pressure L89
- Jaccard D: *see* Demuer A 9335
- Jaccard D: *see* Wilhelm H L329
- Jäckle J: Space charges in metals during non-stationary heat flow 2789
- Jackson R A, Valerio M E G and de Lima J F: Computer modelling of rare-earth dopants in BaLiF_3 2147
- Jacobs K: *see* Seemann R 4915, 4925
- Jacobson M A: *see* Nelson D 7043
- Jadzyn J and Czechowski G: The shear viscosity minimum of freely flowing nematic liquid crystals L261
- Jagannathan R: *see* Marimuthu K 537

- Jain M: *see* Chelikowsky J R [R817](#)
Jain P C: *see* Sharma M [7249](#)
Jakubas R: *see* Pietraszko A [6471](#)
Jakubas R: *see* Wojtaś M [8831](#)
Jan J C: *see* Asokan K [11087](#)
Jan W and Wu G Y: Electron–phonon scattering rates in impure metals [10925](#)
Jan W: *see* Wu G Y [9739](#)
Jang Kiwan, Kim Ilgon, Seo HyoJin, Park Seongtae, Lee Sungsoo and Baek Woon Sik: Persistent spectral hole burning and optical properties of Sm²⁺ doped into Mg_{0.5}Sr_{0.5}FCl_{0.5}Br_{0.5} mixed crystal [3223](#)
Janghorban K, Kirkaldy J S and Weatherly G C: The Hume-Rothery size rule and double-well microstructures in gold–nickel [8661](#)
Janičkovič D: *see* Miglierini M [10359](#)
Jaque D: *see* Chen Xueyuan [1171](#)
Jastrabik L: *see* Prosandeev S A [9749](#)
Jaworska-Gołąb T: *see* Szytuła A [8007](#)
Jazmati A K: *see* Townsend P D [2211](#)
Jeanvoine Y: *see* Hirschl R [3545](#)
Jefferson J H: *see* Kambili A [L495](#)
Jena P: *see* Reddy B V [8363](#)
Jenkins S and Morrison I: The dependence on structure of the projected vibrational density of states of various phases of ice as calculated by *ab initio* methods [9207](#)
Jeong Dong Young: *see* Lim Ae Ran [2025](#), [3511](#)
Jephcoat A P: *see* McDonald R D [L291](#)
Jepsen O: *see* Gibson B J [3123](#)
Jepsen O: *see* Szotek Z [8625](#)
Jericho M J: *see* Kreuzer H J [10729](#)
Jérôme D: *see* Jaccard D [L89](#)
Jestädt Th, Kurmoo M, Blundell S J, Pratt F L, Kepert C J, Prassides K, Lovett B W, Marshall I M, Husmann A, Chow K H, Valladares R M, Brown C M and Lappas A: Muon-spin-rotation and magnetization study of metal–organic magnets based on the dicyanamide anion [2263](#)
Ji Kai and Zheng H: A unitary transformation approach to the mutual quenching of structural and magnetic ordering in cooperative Jahn–Teller systems [1079](#)
Ji M R: *see* Wu J X [8725](#)
Jian Zi: *see* Wen-Chen Zheng [7459](#)
Jiang Aidong: *see* Chen Xueyuan [1171](#)
Jiang Fu-ru: *see* Peng Yan-ze [4123](#)
Jiang Fuming: *see* Ko Jae-Hyeon [5449](#)
Jiang J Z, Kragh F, Frost D J, Ståhl K and Lindelov H: Hardness and thermal stability of cubic silicon nitride [L515](#)
Jiang Ping: *see* Hu Xinhua [L835](#)
Jiang Q, Liang L H and Li J C: Thermodynamic superheating and relevant interface stability of low-dimensional metallic crystals [565](#)
Jiang Q, Liang L H and Zhao M: Modelling of the melting temperature of nano-ice in MCM-41 pores [L397](#)
Jiang Q, Wen Z and Wang T: Grain size limit of nanocrystalline materials obtained by annealing glasses [5503](#)
Jiang Shen: *see* Nan-xian Chen [2727](#)
Jiang X F, Chen H, Xing D Y and Dong J M: Analytical approach to dimerized and frustrated Heisenberg chains [6519](#)
Jiang Y: *see* Yuan S L [5691](#)
Jianu A: *see* Ponkratz U [549](#)
Jiménez B, Jiménez R, Castro A, Millán P and Pardo L: Dielectric and mechanoelastic relaxations due to point defects in layered bismuth titanate ceramics [7315](#)
Jiménez R: *see* Jiménez B [7315](#)
Jin Min Young and Kim Jong-Jean: Low-frequency dielectric relaxations of a nonchiral liquid crystal, 8CB [4435](#)
Jin S R: *see* Zhang Z D [1921](#)
Jin Y, Li G, Zhang Y, Zhang Y and Zhang L: Photoluminescence of anatase TiO₂ thin films achieved by the addition of ZnFe₂O₄ [L913](#)
Jin Z H: *see* Akhter J I [7969](#)
Jin Z H: *see* Zhong J [11443](#)
Jin Z X: *see* Yang Z Q [8475](#)
Jin Zhun-Zhi: *see* Huang Sheng-You [7343](#)
Jirák Z: *see* Krupička S [6813](#)
Johansson B: *see* Ferreira da Silva A [8891](#)
Johansson B: *see* Persson C [8915](#), [8945](#)
Johansson P: *see* Anisimovas E [3365](#)
Johnson C S: *see* Gerald II R E [8269](#)
Johnson D D: *see* Razee S S A [8153](#)
Joly V L J, Joy P A and Date S K: Comment on ‘La_{0.95}Mg_{0.05}MnO₃: an ideal ferromagnetic system?’ [6433](#)
Jona F and Marcus P M: Structural and elastic properties of β -brass [5507](#)
Jona F: *see* Tian Y [1805](#)
Jones G D, Sung J J Y, Hume T, Ing Liem Suk, Bradley I V and Wells J-P R: Infrared absorption of H⁻ and D⁻ in the alkaline-earth fluorides [2127](#)
Jones G D: *see* Wells J-P R [2137](#)
Jones R A L: *see* Sferrazza M [10269](#)
Jones R: *see* Coomer B J [L1](#)
Jones R: *see* Ewels C P [8965](#)
Jones R: *see* Goss J P [8973](#)
Jones R: *see* Pinho N M C [8951](#)
Joseph Joly V L, Joy P A, Date S K and Gopinath C S: The origin of ferromagnetism in the two different phases of LaMn_{0.5}Co_{0.5}O₃: evidence from x-ray photoelectron spectroscopic studies [649](#)
Joseph Joly V L, Joy P A and Date S K: Magnetic properties of Co-rich compositions ($x > 0.5$) in the LaMn_{1-x}Co_xO₃ series [L841](#)
Joseph Joly V L, Kholam Y B, Joy P A,

- Gopinath C S and Date S K: Unusual charge disproportionation and associated magnetic behaviour in nanocrystalline $\text{LaMn}_{0.5}\text{Co}_{0.5}\text{O}_3$ 11001
- Jouffrey B: *see* Hébert C 3791
- Joy P A: *see* Joseph Joly V L L841, 649, 6433, 11001
- Ju Kaptelov E: *see* Afanasjev V P 8755
- Julian S R: *see* Grosche F M 2845
- Jullien R: *see* Rahmani A 5413
- Jullien R: *see* Rarivomanantsoa M 6707
- Jun Lin: *see* Tanner P A 189
- Jund P: *see* Rahmani A 5413
- Jund P: *see* Rarivomanantsoa M 6707
- Jung C U: *see* Vasquez R P 7977
- Jung Jae-Sun: *see* Kang Jun-Gill 2835
- Jurado J R: *see* Waerenborgh J C 8171
- Jurlewicz A: *see* Bovelli S 373
- Justl A: *see* Pisignano D 4405
- Jusufi A, Dzubiella J, Likos C N, von Ferber C and Löwen H: Effective interactions between star polymers and colloidal particles 6177
- Kabeel M A: Interferometric determination of (skin–core) optical and orientation structural parameters of drawn polypropylene fibres 353
- Kabir S: *see* Islam A K M A L641
- Kaczmarek M M: *see* Lehmann-Szweykowska A 3607
- Kaczmarek S M: *see* Grinberg M 743
- Kaczorowski D: *see* Mudryk Ya 7391
- Kaduwela A: *see* Fadley C S 10517
- Kagan V D: *see* Nelson D 7043
- Kagayama T: *see* Nakashima M L569
- Kahn O: *see* Feyerherm R 2639
- Kaindl G: *see* Weschke E 11133
- Kajihara Y: *see* Hiejima Y 10307
- Kajokas A: *see* Banys J 1773
- Kalachev A A: *see* Maslova N S 3941
- Kaliteevski M A, Brand S, Abram R A, Krauss T F, Millar P and De La Rue R M: Diffraction and transmission of light in low-refractive index Penrose-tiled photonic quasicrystals 10459
- Kalska B, Blomquist P, Häggström L and Wäppling R: Interface roughness/intermixing and magnetic moments in a Fe/Co(001) superlattice 2963
- Kalvius G M: *see* Schenck A 4277
- Kamba S: *see* Buixaderas E 2823
- Kamba S: *see* Ostapchuk T 2677
- Kambe S: *see* Sakai H L785
- Kambili A, Fehrmann H, Lambert C J and Jefferson J H: A Hartree–Fock study of charge redistribution in a two-dimensional mesoscopic structure L495
- Kamenev K V, Asadov S K, Kamenev V I, Maksimov I S and Todris B M: Phase transitions in the Mn–Zn fluorosilicate hexahydrates 3709
- Kamenev V I: *see* Kamenev K V 3709
- Kamien R D and Selinger J V: Order and frustration in chiral liquid crystals R1
- Kamieniarz G: *see* Caramico D’Auria A 2017
- Kamilov I K, Ibragimov Kh O, Aliev K M and Abakarova N S: Nonlinear phenomena and chaos in germanium oscillator 4519
- Kamilov I K: *see* Abakarova N S 10947
- Kamishima K: *see* Yokoyama T 9281
- Kamishima O, Ohta K, Chiba Y and Hattori T: Local structure around Yb in $\text{SrZr}_{1-x}\text{Yb}_x\text{O}_3$ 2455
- Kamitakahara W A: *see* Papanek P 8287
- Kambe K: *see* Onoda M 6675
- Kaneta A: *see* Kawakami Y 6993
- Kang Dong Shik: *see* Lee Sang Chil 9535
- Kang J-H: *see* Driver S M L601
- Kang J-S, Kim Y J, Lee B W, Olson C G and Min B I: The valence state of Ce in electron-doped manganites: $\text{La}_{0.7}\text{Ce}_{0.3}\text{MnO}_3$ 3779
- Kang Jun-Gill, Jung Jae-Sun, Hong Jung-Pyo, Won Seok-Jae, Sohn Youngku and Rhee Choong Kyun: Spectral holes and induced luminescence in KCl co-doped with Eu^{2+} and Eu^{3+} ions 2835
- Kantorovich L N: A simple non-equilibrium theory of non-contact dissipation force microscopy 945
- Kantorovich L: *see* Mo M Y 1439
- Kao C-C: *see* Soininen J A 8039
- Kao Chichang: *see* Mao Ho-kwang 7847
- Kao L Y: *see* Lin J J L119
- Kapphan S E: *see* Prosandeev S A 719
- Kapphan S: *see* Prosandeev S A 9749
- Kaprzyk S: *see* Reniewicz H 11597
- Kaps H, Brando M, Trinkl W, Büttgen N, Loidl A, Scheidt E-W, Klemm M and Horn S: Heavy fermions in LiV_2O_4 : Kondo compensation versus geometric frustration 8497
- Karaki Y: *see* Ishikawa M L25
- Karali T: *see* Townsend P D 2211
- Karetnikova I R: *see* Fraerman A A 683
- Karnaukhov I N and Andrei N: Strongly interacting Luttinger liquid—exact solution of a generalized $t - J$ model in one dimension L891
- Karolik A S: Thermopower and resistivity due to dislocations in monovalent metals 1093
- Karstens W: *see* Smith D Y 3883
- Katayama D: *see* Sumiyama A L879
- Katayama-Yoshida H, Nishimatsu T, Yamamoto T and Orita N: Codoping method

- for the fabrication of low-resistivity wide band-gap semiconductors in p-type GaN, p-type AlN and n-type diamond: prediction versus experiment **8901**
- Kato D: *see* Shirovani I **9393**
- Kato H, Kato M, Yoshimura K and Kosuge K: Structural and magnetic phase transitions of AV_6O_{11} (A = Na, Sr, and Pb) **9311**
- Kato H, Masuzawa A, Noma T, Seol Kwang Soo and Ohki Y: Thermally induced photoluminescence quenching centre in hydrogenated amorphous silicon oxynitride **6541**
- Kato H: *see* Sakai H **L785**
- Kato M: *see* Kato H **9311**
- Katori H A: *see* Binek Ch **L811**
- Katsnelson M I: *see* Kurmaev E Z **3907**
- Kaul A R: *see* Koroleva L I **5901**
- Kaur C and Das S P: Stability of amorphous structures with voids **7259**
- Kaur C: *see* Sharma M **7249**
- Kavokin A: *see* Malpuech G **7075**
- Kawabata T: *see* Tsujii N **3623**
- Kawaguchi Y: *see* Tanibayashi S **L689**
- Kawakami Y, Omae K, Kaneta A, Okamoto K, Narukawa Y, Mukai T and Fujita S: Inhomogeneity and emission characteristics of InGaN **6993**
- Kawamata N: *see* Yamaga M **3461**
- Kawasaki Y: *see* Kitaoka Y **L79**
- Kawazoe Y: *see* Berne C **9433**
- Kawazoe Y: *see* Chui S T **L49**
- Kawazoe Y: *see* Sun Q **1931**
- Kawazoe Y: *see* Taneda A **L305**
- Ke Ning: *see* Zhang Haiyan **2883**
- Keen D A and Hull S: Structural behaviour at the γ - β phase transition of Ag_3SI **L343**
- Keen D A: *see* Hull S **2295, 5597**
- Keen D A: *see* Tucker M G **403**
- Kelemen M T, Brooks M S S and Dormann E: Spin and orbital polarization in layered rare-earth-manganese ternary intermetallic compounds **657**
- Keller B P: *see* Xing H **7139**
- Keller H: *see* Zhao Guo-meng **R569**
- Keller S: *see* Xing H **7139**
- Kelton K F: *see* Sadoc A **8527**
- Kennedy B J, Vogt T, Martin C D, Parise J B and Hriljac J A: Pressure-induced orthorhombic to rhombohedral phase transition in $LaGaO_3$ **L925**
- Kennedy B J: *see* Moussa S M **L203**
- Kent A D, Yu J, Rüdiger U and Parkin S S P: Domain wall resistivity in epitaxial thin film microstructures **R461**
- Keptert C J: *see* Jestädt Th **2263**
- Kernavanois N, Dalmas de Peotier P, Yaouanc A, Sanchez J-P, Honkimaki V, Tschentscher T, McCarthy J and Vogt O: Orbital and spin magnetism in US—comparison with USe and UTe **9677**
- Kerouad M: *see* El Aouad N **797**
- Ketata K: *see* Koumetz S **L483**
- Ketata M: *see* Koumetz S **L483**
- Khalifeh J M: *see* Hamad B A **573**
- Khasabov A G: *see* Turik A V **1323**
- Khazanov E N: *see* Charnaya E V **8775**
- Kheifets A S: *see* Sashin V A **4203**
- Khemakhem H: *see* Feki H **8509**
- Khmelevskiy S, Turek I and Mohn P: Formation of a weak ferromagnetic state in $Y(Co_{1-x}Al_x)_2$ compounds: a coherent potential approximation study **8405**
- Khollam Y B: *see* Joseph Joly V L **11001**
- Khoo K H and Sy H K: Mean-field renormalization group study of the long-range Ising model **101**
- Khovailo V V, Takagi T, Bozhko A D, Matsumoto M, Tani J and Shavrov V G: Premartensitic transition in $Ni_{2+x}Mn_{1-x}Ga$ Heusler alloys **9655**
- Khrantsov V A: *see* Baranov P G **2651**
- Khrstov M: *see* Ruck K **1571**
- Kiat J M: *see* Rabiller P **1653**
- Kida N: *see* Matsubara I **5645**
- Kido G: *see* Tsujii N **3623**
- Kido Y: *see* Okazawa T **9835**
- Kiejna A: *see* Wachowicz E **10767**
- Kijima S: *see* Miyajima T **7099**
- Kikegawa T: *see* Shirovani I **1939**
- Kilcoyne S H, Manuel P and Ritter C: Synthesis and characterization of a novel Y-Fe phase via kinetic neutron diffraction **5241**
- Kim Chul Koo: *see* Kim Mun Dae **3271**
- Kim Doo Chul: *see* Lee Sang Chil **9535**
- Kim Gil-Ho: *see* Tkachenko O A **9515**
- Kim H C: *see* Park J-G **1063**
- Kim Heon-Jung: *see* Vasquez R P **7977**
- Kim Ilgon: *see* Jang Kiwan **3223**
- Kim J Y: *see* Bahng Jae Ho **777**
- Kim J Y: *see* Sadoc A **8527**
- Kim J Y: *see* Vasquez R P **7977**
- Kim Jin Ho: *see* Lim Ae Ran **2025**
- Kim Jong-Jean: *see* Jin Min Young **4435**
- Kim K J: *see* Bahng Jae Ho **777**
- Kim K W: *see* Komirenko S M **6233**
- Kim K W: *see* Lee Y P **9673**
- Kim Kwang S: *see* Zhao Hua **579**
- Kim Mun Dae, Kim Chul Koo, Nahm Kyun and Ryu Chang-Mo: Ferromagnetic fixed point of the Kondo model in a Luttinger liquid **3271**
- Kim Suck Whan: *see* Lee Sang Chil **9535**
- Kim W S: *see* Dho Joonghoe **3655**
- Kim Y J: *see* Kang J-S **3779**
- Kim Y S: *see* Lee Y J **8135**
- Kim Yong-Hoon: *see* Lee In-Ho **1987**

- Kimball M O: *see* Gasparini F M 4871
King P J C: *see* Cox S F J 9001
Kini A M: *see* Singleton J L899
Kioussis N: *see* Kocharian A N 6759
Kirakosian A: *see* Himpfel F J 11097
Kirkaldy J S: *see* Janghorban K 8661
Kirm M: *see* Lushchik Ch 6133
Kirschner I and Mészáros Cs: Symmetry analysis of static soliton structures and elementary excitations in incommensurately modulated crystals 5399
Kisi E H: *see* Forrester J S L825
Kitagawa J: *see* Matsuoka E 11009
Kitaoka Y, Ishida K, Kawasaki Y, Trovarelli O, Geibel C and Steglich F: Coexistence of superconductivity and antiferromagnetism in the heavy-fermion superconductor $\text{CeCu}_2(\text{Si}_{1-x}\text{Ge}_x)_2$ probed by means of Cu nuclear quadrupole resonance—a test case for the SO(5) theory L79
Kittel M: *see* Driver S M L601
Kittel M: *see* Woodruff D P 10625
Klauss H H: *see* Maksimov I 5487
Kleemann W: *see* Binek Ch L811
Kleemann W: *see* Prosandeev S A 5957
Klehe A-K: *see* McDonald R D L291
Kleinert P and Bryksin V V: Theory of Zener-photon resonances in the transport of two-band semiconductor superlattices 3157
Kleinschroth I: *see* Zhang Junxian 10487
Klemm M: *see* Kaps H 8497
Klemradt U: *see* Plech A 5563
Klesse R: *see* Debray P 3389
Klimm C: *see* Banys J 1773
Klimovskaya A I, Prokopenko I V and Ostrovskii I P: Wire-like submicron crystal as a natural heterostructure 5923
Klingler R J: *see* Gerald II R E 8269
Kloc Ch: *see* Schön J H L163
Klokishner S, Linares J and Varret F: Nonradiative relaxation in spin-crossover molecules: consideration of the frequency effect 595
Knebel G, Braithwaite D, Lapertot G, Canfield P C and Flouquet J: Magnetically ordered Kondo lattice in YbNi_2Ge_2 at high pressure 10935
Knight K S: *see* Adroja D T 459
Ko Jae-Hyeon, Jiang Fuming, Kojima Seiji, Shaplygina T A and Lushnikov S G: Linear and nonlinear dielectric susceptibilities of disordered lead scandium tantalate 5449
Kobayashi T C: *see* Tateiwa N L17, *corrigendum* 6443
Kobayashi T: *see* Hashimoto H L529
Kobayashi T: *see* Miyajima T 7099
Kobayashi Y, Muta K and Asai K: The Hall effect and thermoelectric power correlated with the giant magnetoresistance in modified FeRh compounds 3335
Köbler U and Fischer K: The impact of fourth-order exchange interactions on the critical temperatures of $\text{Eu}_x\text{Sr}_{1-x}\text{S}$ and $\text{Eu}_x\text{Sr}_{1-x}\text{Te}$ 123
Köbler U, Mueller R M, Brown P J, Arons R R and Fischer K: Experimental identification of fourth-order exchange interactions in magnets with pure spin moments 6835
Kocharian A N, Kioussis N and Park S H: Magnetic crossover in the one-dimensional Hubbard model in the presence of a magnetic field 6759
Kodama N: *see* Yamaga M 753, 10811
Koepeke Cz, Wisniewski K, Grinberg M, Majchrowski A and Han T P J: Excited state absorption in chromium doped $\text{Li}_2\text{B}_4\text{O}_7$ glass 2701
Koh Tong San, Feng Yuan Ping, Xu Xin and Spector H N: Excitons in semiconductor quantum discs 1485
Köhler U: *see* As D J 8923
Kohno H and Yao M: Slow-structural relaxation in the metal–nonmetal transition range of liquid mercury: I. Experimental evidence 10293
Kohno H: *see* Hiejima Y 10307
Kojima Seiji: *see* Ko Jae-Hyeon 5449
Kolliakos S: *see* Zhang X B 7053
Komirenko S M, Kim K W, Strosio M A and Dutta M: Applicability of the Fermi golden rule and the possibility of low-field runaway transport in nitrides 6233
Komiya S: *see* Tanibayashi S L689
Kondo S, Amaya K, Higuchi S, Saito T, Asada H and Ishikane M: *In situ* optical absorption and reflection spectroscopy of doping CsCl crystal with Pb^{2+} ions 11077
Kong X J: *see* Wang L X 8765
Koningsberger D C: *see* van Bokhoven J A 10247, 10383
Konsin P and Sorkin B: The influence of ferroelectric polarization on the superconductivity in ultrathin high- T_c films 10031
Kopcewicz M and Dunlop A: Magnetic texture in amorphous $\text{Fe}_{40}\text{Ni}_{35}\text{Si}_{10}\text{B}_{15}$ alloy irradiated with swift heavy ions 6067
Koperdraad R T, Otadoy R E S, Blaauboer M and Lodder A: Multiple-scattering theory for clean superconducting layered structures 8707
Koroleva L I, Abramovich A I, Michurin A V, Gorbenko O Yu, Graboy I E, Kaul A R, Szymczak R, Dyeyev S and Zandbergen H W: Colossal magnetoresistance of $\text{La}_{0.35}\text{Nd}_{0.35}\text{Sr}_{0.3}\text{MnO}_3$

- epitaxial thin film on (001)ZrO₂(Y₂O₃) substrate over a wide temperature range 5901
- Kosach A V: *see* Aminov L K 6247
- Kostanyan R B: *see* Aghamalyan N R 6585
- Köstlmeier S: *see* Hutt S 3949
- Kosuge K: *see* Kato H 9311
- Kosuge K: *see* Tsujii N 3623
- Kou S P, Liang J Q and Pu F C: Effective Landau theory for crossover from thermal hopping to quantum tunnelling 2627
- Koukitu A and Kumagai Y: Thermodynamic analysis of group III nitrides grown by metal–organic vapour-phase epitaxy (MOVPE), hydride (or halide) vapour-phase epitaxy (HVPE) and molecular beam epitaxy (MBE) 6907
- Koumetz S, Ketata K, Ihaddadene M, Martin P, Ketata M and Dubois C: Comparative models for diffusion of Be in InGaAs/InP heterostructures L483
- Kovac J: *see* Zhang Z D 1921
- Kovács L: *see* Watterich A 1595
- Koval'chuk A V: Relaxation processes and charge transport across liquid crystal–electrode interface 10333
- Kovalenko N P: *see* Krasny Yu P 4341
- Kovalev A S: *see* Gerasimchuk I V L885
- Kowalczyk A, Baszyński J, Szajek A, Ślebarski A and Toliński T: Electronic structure of doped LaMnO₃ perovskite studied by x-ray photoemission spectroscopy 5519
- Krabbes G: *see* Ruck K 1571
- Kragh F: *see* Jiang J Z L515
- Krajčí M and Hafner J: Fermi surfaces and electronic transport properties of quasicrystalline approximants 3817
- Krämer T: *see* Müller S 9897
- Krasavin S E and Osipov V A: The effect of long-range strain fields on transport properties of disclinated materials 1023
- Krasny Yu P, Kovalenko N P, Krey U and Jacak L: Paramagnetic–diamagnetic interplay in quantum dots for non-zero temperatures 4341
- Kratzer A: *see* Schenck A 4277
- Krauss T F: *see* Kaliteevski M A 10459
- Kravchenko A: *see* Vinoslavskii M 11623
- Kremer R K: *see* Gibson B J 2593, 3123
- Kremer R K: *see* Kunc K 9945
- Kremer R K: *see* Schnelle W 6387
- Kreuzer H J, Jericho M J, Meinertzhagen I A and Xu Wenbo: Digital in-line holography with photons and electrons 10729
- Kreuzer M: *see* Marrucci L 10371
- Krey U: *see* Krasny Yu P 4341
- Krim J: *see* Coffey T 4991
- Krivoruchko V: *see* Dyakonov V 4049
- Krištiak J: *see* Bartoš J 11473
- Królas K: *see* Hodges J A 9301
- Kronmüller H: *see* Zhang Junxian 10487
- Krüger J K: *see* Hotz R 7953
- Krukowski S, Bockowski M, Lucznik B, Grzegory I, Porowski S, Suski T and Romanowski Z: High-nitrogen-pressure growth of GaN single crystals: doping and physical properties 8881
- Krupa J-C: *see* Chen Houtong 1151
- Krupička S, Jiráček Z, Hejtmánek J, Maryško M, Novák P, Savosta M M and Sonntag R: Phase separation in structural and magnetic transitions in Pr_{0.5}Ca_{0.5-x}Sr_xMnO₃ ($x = 0.15$ and 0.3) 6813
- Kubalski G P, Napiórkowski M and Rejmer K: The influence of substrate corrugation on wetting temperature 4727
- Kudrnovský J, Drchal V, Turek I, Bruno P and Weinberger P: *Ab initio* theory of the interlayer exchange coupling in random metallic systems 8539
- Kudryavtseva I: *see* Lushchik Ch 6133
- Kumagai Y: *see* Koukitu A 6907
- Kumar A: *see* Ray S 607
- Kumar J: *see* Sharma M 7249
- Kumar Singh A and Pandey D: Structure and the location of the morphotropic phase boundary region in (1 - x)- x PbTiO₃ L931
- Kunc K, Loa I, Syassen K, Kremer R K and Ahn K: MgB₂ under pressure: phonon calculations, Raman spectroscopy, and optical reflectance 9945
- Kunii S: *see* Granovsky S A 6307
- Kunkel H P: *see* Zhao J H 5785, 6439, 9349
- Kunz C: Synchrotron radiation: third generation sources 7499
- Kurbjuhn T: *see* Prange W 4957
- Kurmaev E Z, Katsnelson M I, Moewes A, Magnuson M, Guo J-H, Butorin S M, Nordgren J, Ederer D L and Iwami M: Spectroscopic observation of polaron-lattice band structure in the conducting polymer polyaniline 3907
- Kurmoo M: *see* Jestädt Th 2263
- Kurmoo M: *see* Schrama J M 2235
- Kurobori T: *see* Radzhabov E 1159
- Kuroyanagi K: *see* Hashimoto H L529
- Kusawake T, Takahashi Y, Yong Wey M and Ohshima K: X-ray structure analysis and electron density distributions of the layered compounds Cu_xTiS₂ 9913
- Kushwaha M S and Vasilopoulos P: Current instability in field-effect transistors: influence of magnetic field and collisions 10105
- Kusov A A: Adiabatic eigenstates of an electron in a deformable anharmonic continuum 5115
- Kusz J: *see* Kwapuliński J 1461
- Kuzel P, Dugautier C and Moch P: Comparative

- study of hypersonic propagation in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals and thin films 167
- Kuzel P: *see* Ostapchuk T 2677
- Kuznetsova E M: *see* Reznitchenko L A 3875
- Kwang-Hua Chu W: Stability of incompressible helium II: a two-fluid system [corrigendum](#) 8537
- Kwapuliński J, Kusz J, Böhm H and Dec J: Thermal vibrations in PbZrO_3 single crystals 1461
- Kyllönen V: *see* Alanko T 10777
- Laaboudi B: *see* El Aouad N 797
- Lacerda-Arôso M T, Ribeiro J L, Chaves M R, Almeida B G and Almeida A: Ergodicity breaking in strontium calcium titanate 2615
- Lacroix C: *see* Ryzhanova N 4001
- Lahmar A, Bardon J P and Hmina N: Mechanical and thermal properties of $\text{Cu}/\text{Al}_2\text{O}_3$ systems; effects of substrate surface ion bombardment etching 3931
- Lai M Y: *see* Wang Y L R589
- Lai Wuyan: *see* Xu Ming 2891
- Laiho R, Lisunov K G, Lähderanta E, Stamo V N and Zakhvalinskii V S: Variable-range hopping conductivity in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ 1233
- Laitinen P: *see* Alanko T 10777
- Lam E J: *see* van Smaalen S 9923
- Lambert C J: *see* Dolby P L147
- Lambert C J: *see* Kambili A L495
- Lancefield D and Eshghi H: Temperature-dependent hole transport in GaN 8939
- Landinez Tellez D A, Albino Aguiar J and Calero J M: Evidence for two-dimensional superconducting fluctuations in $\text{CaLaBaCu}_3\text{O}_{7-\delta}$ 335
- Langridge S: *see* Case G S 9699
- Lapertot G: *see* Knebel G 10935
- Lappas A: *see* Jestädt Th 2263
- Larica C: *see* Nascimento V P 665
- Laroche M, Girard S, Margerie J, Moncorgé R, Bettinelli M and Cavalli E: Experimental and theoretical investigation of the $4f^{\text{Pr}} \leftrightarrow 4f^{\text{Pr}-1}5d$ transitions in $\text{YPO}_4:\text{Pr}^{3+}$ and $\text{YPO}_4:\text{Pr}^{3+}, \text{Ce}^{3+}$ 765
- Larrea A: *see* Blasco J L729
- Larrea J, Sánchez D R, Litterst F J and Baggio-Saitovitch E M: Charge delocalization in the ludwigite $\text{Fe}_3\text{O}_2\text{BO}_3$ L949
- Laundy D: *see* Collins S P 1891
- Launois P: *see* Rabiller P 1653
- Lazar G: Influence of the substrate-electrode applied bias voltage on the properties of sputtered a-C:H thin films 3011
- Le Layre G and Oughaddou H: Structure, electronics and dynamics of clean and metal adsorbed semiconductor surfaces: recent results and perspectives 11195
- Leciejewicz J: *see* Szytuła A 8007
- Lecoeur Ph: *see* Prellier W R915
- Lee B W: *see* Kang J-S 3779
- Lee C H, Matsuhata H, Yamamoto A, Ohta T, Takazawa H, Ueno C, Sekine K, Shirotani I and Hirayama T: Structural phase transition accompanied by metal-insulator transition in $\text{PrRu}_4\text{P}_{12}$ L45
- Lee In-Ho, Kim Yong-Hoon and Ahn Kang-Hun: Electronic structure of ellipsoidally deformed quantum dots 1987
- Lee K J: *see* Harris J J L175
- Lee Kwang-Sei: *see* Park Jong-Ho 9411
- Lee M H: *see* Huang Jung Y 10417
- Lee Sang Chil, Ryu Jai Yon, Kim Doo Chul, Kang Dong Shik and Kim Suck Whan: The hysteretic voltage gap for a single-electron dual-junction-array trap with stray capacitances 9535
- Lee Seongsu: *see* Park J-G 1063
- Lee Sung-Ik: *see* Vasquez R P 7977
- Lee Sungsoo: *see* Jang Kiwan 3223
- Lee W W: *see* Ding S-J 6595
- Lee Y J, Kim Y S, Bang E N, Lim H and Shin H K: Magnetoresistance of amorphous indium oxide films on the insulating side near the superconductor-insulator transition 8135
- Lee Y P, Prokhorov V G, Kim K W and Rhee J Y: Response to Comment on 'The controlled charge ordering and evidence of the metallic state in $\text{Pr}_{0.65}\text{Ca}_{0.35}\text{MnO}_3$ films' 9673
- Lefebvre P: *see* Taliercio T 7027
- Lefebvre P: *see* Zhang X B 7053
- Léger J M: *see* Haines J 2447
- Legodi M J: *see* Auret F D 8989
- Legrand P and Perrot F: Virial theorem and pressure calculations in the GGA 287
- Lehmann-Szweykowska A, Lulek T and Kaczmarek M M: A space-symmetry approach to the p-d hybridization and direct p-p hopping in yttrium-iron garnets 3607
- Lei H: Melting of free copper clusters 3023
- Lei Jun, Wan J T K, Yu K W and Sun Hong: Dielectric behaviour of non-spherical cell suspensions 3583
- Lei X L: *see* Dong Bing 9245
- Lei X L: *see* Yan F Q 6625
- Leisure R G: *see* Foster K 7327
- Leitch A W R: *see* Samiji M E 9011
- Leite J R: *see* Pusep Yu A 10165
- Leite J R: *see* Rodrigues S C P 3381
- Leitus G: *see* Sharoni A L503
- Lejay P: *see* Amara M 929

- Lejay P: *see* Boucherle J-X 10901
Lejay P: *see* Raymond S 8303
Lelièvre-Berna E: *see* Boucherle J-X 10901
Lemoine P: *see* Papakonstantinou P 2971
Lengyel E: *see* Nicklas M L905
Lettieri S: *see* Bernini U 1141
Levelut A: *see* Doussineau P 8799
Lewicki S: *see* Małuszzyńska H 11053
Ley L: *see* Ristein J 8979
Leyer S, Fischer G, Dormann E, Budziak A and Figiel H: Magnetic ordering of TbMn₂D₂—a nuclear magnetic resonance analysis 6115
Li A: *see* Ying X N 9813
Li B B: *see* dos Santos A O 10497
Li B Q: *see* Ying X N 9813
Li B-x: *see* Cao P-l 5065
Li Bao-xing and Cao Pei-lin: Distorted cage structures of Si_n (*n* = 20, 24, 26, 28, 30, 32) clusters 10865
Li Bao-xing and Cao Pei-Lin: Water adsorption on Si₈₋₁₀ clusters: a full-potential linear-muffin-tin-orbital molecular-dynamics study 1
Li Bo-Zang: *see* Hu Zhan-Ning L215
Li C L, Chen Z H, Zhou Y L and Cui D F: Effect of oxygen content on the dielectric and ferroelectric properties of laser-deposited BaTiO₃ thin films 5261
Li Chunfei, Wang Limin and Inoue Akihisa: Initial crystallization processes of Zr–Cu–Rh metallic glasses L803
Li C: *see* Shi L 5195
Li F Q: *see* Wu J X 8725
Li Fuli: *see* Qi Zeming 11503
Li G H: *see* Li Y 2691
Li Guo-Hua: *see* Li Jingbo 2033
Li G: *see* Jin Y L913
Li G: *see* Wang L M 5743
Li G: *see* Zhou H-D 6195
Li Hui: *see* Li Jianye L937
Li H: *see* Wu Z 5269
Li J C: *see* Jiang Q 565
Li J, Huang Q, Li Z W, You L P, Xu S Y and Ong C K: Microstructure modification and magnetoresistance enhancement by Ag doping in La_{2/3}Sr_{1/3}MnO₃ thin films prepared by dual-beam pulsed laser ablation 3419
Li Jianfu: *see* Brenier A 4097
Li Jianye, Chen Xiaolong, Qiao Zhiyu, He Meng and Li Hui: Large-scale synthesis of single-crystalline β-Ga₂O₃ nanoribbons, nanosheets and nanowires L937
Li Jianye, Qiao Zhiyu, Chen Xiaolong, Cao Yongge and He Meng: Gallium nitride nano-ribbon rings L285
Li Jingbo, Li Guo-Hua, Xia Jian-Bai, Zhang Jing-bo, Lin Yuan and Xiao Xu-rui: Optical spectra of CdSe nanocrystals under hydrostatic pressure 2033
Li J: *see* Huang Q 4033
Li J: *see* Liu J-M 11
Li M: The interatomic interaction and the phonon dispersion relations of magnesium 1907
Li Q C: *see* Liu J-M L153
Li Qing-An: *see* Li Run-Wei 141
Li Qing-An: *see* Li Run-Wei 1973
Li Q: *see* Liu Bo 3923
Li Q: *see* Wu Z 5269
Li R K: *see* Lin Z S R369
Li Run-Wei, Han Xiong, Sun Ji-Rong, Li Qing-An, Wang Zhi-Hong, Zhang Jian and Shen Bao-Gen: Superparamagnetism and transport properties of ultrafine La_{2/3}Ca_{1/3}MnO₃ powders 141
Li Run-Wei, Sun Ji-Rong, Li Qing-An, Cheng Zhao-Hua, Wang Zhi-Hong, Zhang Shao-Ying and Shen Bao-Gen: Low-temperature magnetization step and its training effects in phase-separated La_{0.5}Ca_{0.5}MnO₃ 1973
Li Shiyang: *see* Tian Mingliang 311
Li Sun: *see* Zhi-yi He 3665
Li W-H: *see* Lue C S 1585
Li Wei-Fei and Xiong Shi-Jie: Statistical properties of conductance through a quantum dot in the Coulomb blockade regime 5833
Li W: *see* Wang L 9857
Li X-G: *see* Zhou H-D 6195
Li Xiang, Wang H, Wang W N, Tang Y J, Zhao H W, Zhan W S and Hou J G: Study of the conductance and structure characteristics of C₆₀/Sb bilayers 3987
Li Xiao-Guang: *see* Zhao Xia 4303
Li Y X: *see* Wang L X 8765
Li Y, Li G H, Meng G W, Zhang L D and Phillipp F: Photoluminescence and optical absorption caused by the F⁺ centres in anodic alumina membranes 2691
Li Z C, Li Z F and Liu B X: A dodecagonal phase formed in an immiscible Co–Ag system by ion mixing of multilayers L367
Li Z F and Liu B X: Formation of a dodecagonal phase in an equilibrium immiscible Co–Cu system induced by ion irradiation and associated evolution L583
Li Z F: *see* Li Z C L367
Li Z J: *see* Zhang Z D 1921
Li Z W: *see* Huang Q 4033
Li Z W: *see* Li J 3419
Li Z Y: *see* Gao L 7271
Li Z Y: *see* Yuan S L L509
Li Zhijian, Liang J-Q and Pu F-C: The Aharonov–Casher phase and persistent current in a polyacetylene ring 617
Li Z: *see* Bang H 10837
Li Z: *see* Wang L 9857

- Lian Rui: *see* Chen Houtong 1151
- Liang C-T: *see* Tkachenko O A 9515
- Liang J K: *see* Chu W G L441
- Liang J K: *see* Liu Q L 6529
- Liang J Q: *see* Kou S P 2627
- Liang J Q: *see* Yan W 5103
- Liang J-Q: *see* Li Zhijian 617
- Liang L H: *see* Jiang Q L397, 565
- Liang Lizheng: *see* Zhang Haiyan 2883
- Lichti R L: *see* Cox S F J 9001
- Liermann H P: *see* Wang Zhongwu 8317
- Likos C N: *see* Jusufi A 6177
- Lilly A C: *see* Reddy B V 8363
- Lim Ae Ran, Jeong Dong Young, Kim Jin Ho and Hahn Jong Hoon: ^7Li and ^{87}Rb nuclear magnetic resonance in a LiRbSO_4 single crystal with the growth twin domain 2025
- Lim Ae Ran, Jeong Dong Young and Park Hyun-Min: ^{39}K nuclear magnetic resonance in a KHSO_4 single crystal 3511
- Lim H: *see* Lee Y J 8135
- Lin Chenlu: *see* Song Zhitang 155
- Lin F Y: *see* Ding S Y 6509
- Lin Hai-Qing: *see* An Jin 115
- Lin Hong-Ji: *see* Singhal R K 6865
- Lin I N: *see* Asokan K 11087
- Lin J J and Kao L Y: Saturation of electron dephasing in three-dimensional polycrystalline disordered metals L119
- Lin J-J: *see* Rosenbaum R 10041
- Lin J-L: *see* Himpel F J 11097
- Lin J: *see* Lin Z S R369
- Lin L B: *see* Xu W 10889
- Lin Tsung-han: *see* Zhu Yu 8783
- Lin Y-H: *see* Rosenbaum R 10041
- Lin Yuan: *see* Li Jingbo 2033
- Lin Z S, Lin J, Wang Z Z, Wu Y C, Ye N, Chen C T and Li R K: Theoretical calculations and predictions of the nonlinear optical coefficients of borate crystals R369
- Linares J: *see* Klokishner S 595
- Linares J: *see* Enachescu C 2481
- Lindelov H: *see* Jiang J Z L515
- Lindemann S: *see* Senz V 3831
- Lindner R, Reichling M, Williams R T and Matthias E: Femtosecond laser pulse excitation of electrons and excitons in CaF_2 and SrF_2 2339
- Lindsay R and Thornton G: Probing well-characterized metal oxide surfaces with synchrotron radiation 11207
- Link S, Dürr H A and Eberhardt W: Femtosecond spectroscopy 7873
- Lipperheide R, Weis T and Wille U: Generalized Drude model: unification of ballistic and diffusive electron transport 3347
- Lipson S G: Periodic banding in crystallization from rotating supersaturated solutions 5001
- Lira C A, Caldiño G U, Ramírez M O, Sanz-García J A and Bausá L E: Site-selective spectroscopy of Er^{3+} ions in the $\text{Bi}_{12}\text{SiO}_{20}$ piezoelectric crystal 11067
- Lisfi A and Lodder J C: The effects of ZnO underlayer on microstructural and magnetic properties of $\text{BaFe}_{12}\text{O}_{19}$ thin films 5917
- Lisunov K G: *see* Laiho R 1233
- Litterst F J: *see* Larrea J L949
- Litterst F J: *see* Maksimov I 5487
- Litvin D B: *see* Fousek J L33
- Liu B X: *see* Li Z C L367, L583
- Liu Baoli, Xu Zhongying, Wang Bingshen, Deng Yuanming, Yang Fuhua and Ge W K: Experimental investigation of photoluminescence dynamics of cavity polaritons under nonresonant excitation 8467
- Liu Bo, Li Q, Xu Zhongying and Ge W K: Detection of efficient carrier capture in ultrathin InAs/GaAs layers using a degenerate pump-probe technique 3923
- Liu C S, Zhu Z G, Xia Junchao and Sun D Y: Cooling rate dependence of structural properties of aluminium during rapid solidification 1873
- Liu Cuixiu: *see* Xu Ming 2891
- Liu Fu-sui, Chen Wan-fang and Peng Kuangding: A possible second-order phase transition at the temperature at which a gap opens in superconductors 2817
- Liu G Y: *see* Chu W G L441
- Liu J: *see* Wang L M 5743
- Liu J: *see* Yuan S L L509, 5691
- Liu J-M, Li Q C, Wang W M, Chen X Y, Cao G H, Liu X H and Liu Z G: Scaling of dynamic hysteresis in ferroelectric spin systems L153
- Liu J-M, Yuan G L, Huang Q, Li J, Ong C K, Liu Z G and Du Y W: The effect of the deposition temperature on the low-field magnetoresistance of polycrystalline $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ thin films produced by pulsed laser deposition 11
- Liu Jianjun: *see* Duan Chun-gang 8189
- Liu Q L, Zhou X C, Liang J K, Han C Q and Rao G H: The structure and magnetic properties of the ternary intermetallic compounds $\text{La}_2\text{Co}_{17-x}\text{Ta}_x$ 6529
- Liu Tao: *see* Qi Zeming 11503
- Liu W: *see* Zhang Z D 1921
- Liu X H: *see* Liu J-M L153
- Liu Yihua, Wang Chengjian, Zhang Ruzhen, Yue Longqiang, Luan Kaizheng and Mei Liangmo: Substituting effects of Sm in polycrystalline $\text{La}-\text{Ca}-\text{Mn}-\text{O}$ 2009
- Liu Yu-Long: *see* Tanner P A 189
- Liu Y: *see* Ding S Y 6509
- Liu Z G: *see* Liu J-M 11

- Liu Z G: *see* Liu J-M [L153](#)
- Liu Zhi-Rong, Zhang Yong, Gu Bing-Lin and Zhang Xiao-Wen: The proportion of frozen local polarization in relaxor ferroelectrics [1133](#)
- Liubich V: *see* Dorfman S [6719](#)
- Livage J, Coradin T and Roux C: Encapsulation of biomolecules in silica gels [R673](#)
- Llobet A: *see* Frontera C [1071](#)
- Lo C K, Wan J T K and Yu K W: Effects of geometric anisotropy on local field distribution: Ewald–Kornfeld formulation [1315](#)
- Loa I: *see* Kunc K [9945](#)
- Lodder A: *see* Koperdraad R T [8707](#)
- Lodder J C: *see* Lisfi A [5917](#)
- Loewenhaupt M: *see* Isnard O [3533](#)
- Logan D E and Dickens N L: Field-dependent dynamics of the Anderson impurity model [9713](#)
- Logan D E: *see* Dickens N L [4505](#)
- Löhneysen H v: *see* Wilhelm H [L329](#)
- Loidl A: *see* Kaps H [8497](#)
- Loidl A: *see* Ohl M [10221](#)
- Long G J: *see* Vandormael D [1759](#)
- Lonzarich G G: *see* Grosche F M [2845](#)
- Look D C: *see* Auret F D [8989](#)
- Lopatin A V: *see* Ioffe L B [L371](#)
- López J M: *see* González L E [7801](#)
- López de la Torre M A: *see* Ellerby M [4221](#)
- López García A: *see* Macchi C [5717](#)
- Lorenz R: *see* Hafner R [L239](#)
- Lou Liren: *see* Chen Houtong [1151](#)
- Louis A A and Roth R: Generalized depletion potentials [L777](#)
- Louis E and Vergés J A: Medium/high-field magnetoconductance in chaotic quantum dots [2935](#)
- Lovett B W: *see* Jestädt Th [2263](#)
- Löwen H: Colloidal soft matter under external control [R415](#)
- Löwen H: *see* Allahyarov E [L277](#)
- Löwen H: *see* Heni M [4675](#)
- Löwen H: *see* Hoffmann G P [9197](#)
- Löwen H: *see* Jusufi A [6177](#)
- Lowther J E: *see* Gali A [11607](#)
- Lowther J E: *see* Haines J [2447](#)
- Lozovski V Z: *see* Goncharenko A V [8217](#)
- Lu J J: *see* Charnaya E V [8775](#)
- Lu Kun-Quan: *see* Wang Qiang [8445](#)
- Lu K: *see* Akhter J I [7969](#)
- Lu K: *see* Zhong J [11443](#)
- Lu Zhengqi: *see* Xu Ming [2891](#)
- Luan Kaizheng: *see* Liu Yihua [2009](#)
- Luca S E: *see* Amara M [9621](#)
- Lucas C A: *see* Case G S [9699](#)
- Lucchesi M: *see* Pisignano D [4405](#)
- Luczniak B: *see* Krukowski S [8881](#)
- Lüdecke J: *see* van Smaalen S [9923](#)
- Lüders M, Ernst A, Temmerman W M, Szotek Z and Durham P J: *Ab initio* angle-resolved photoemission in multiple-scattering formulation [8587](#)
- Lue C S, Ross Jr J H, Rathnayaka K D D, Naugle D G, Wu S Y and Li W-H: Superparamagnetism and magnetic defects in Fe₂VAl and Fe₂VGa [1585](#)
- Lulek T: *see* Lehmann-Szweykowska A [3607](#)
- Lundin W V: *see* Ataev B M [L211](#)
- Luo Guangming: *see* Xu Ming [2891](#)
- Luo H M: *see* Zhang Y H [2583](#)
- Luo H: *see* Zhang Y H [2583](#)
- Luo W G: *see* Tian H Y [4065](#)
- Luo Z D: *see* Cascales C [8071](#)
- Luo Zundu: *see* Chen Xueyuan [1171](#)
- Lurio L B: *see* Hayes T M [425](#)
- Lushchik A: *see* Lushchik Ch [6133](#)
- Lushchik Ch, Demidenko V, Kirm M, Kudryavtseva I, Lushchik A, Martinson I, Nagirnyi V and Vasil'chenko E: Creation of F centres and multiplication of electronic excitations in Na [6133](#)
- Lushnikov S G: *see* Gvasaliya S N [3677](#)
- Lushnikov S G: *see* Ko Jae-Hyeon [5449](#)
- Lyklema J: Surface conduction [5027](#)
- Lyo S K: Real-space and energy representations for the interface-roughness scattering in quantum-well structures [1259](#)
- Ma M S: *see* Wu J X [8725](#)
- Ma Z C: *see* Qin G G [11751](#)
- Ma Z: *see* Wang L [9857](#)
- Macchi C, Somoza A, Dupasquier A, López García A and Castro M: Positron trapping in BaTiO₃ perovskite [5717](#)
- Macdonald E D: *see* Parry A O [383](#)
- Maćzka M: *see* Hermanowicz K [5807](#)
- MacFarlane D R, Meakin P, Amini N and Forsyth M: Structural studies of ambient temperature plastic crystal ion conductors [8257](#)
- Madariaga G: *see* Mulla-Osman S [1119](#)
- Maddalena P: *see* Bernini U [1141](#)
- Madden P A: *see* Castiglione M J [51](#), [9963](#)
- Maghrabi M, Townsend P D and Vazquez G: Low temperature luminescence from the near surface region of Nd:YAG [2497](#)
- Maghrabi M and Townsend P D: Thermoluminescence spectra of rare earth doped Ca, Sr and Ba fluorides [5817](#)
- Maghrabi M: *see* Townsend P D [2211](#)
- Magkoev T T and Vladimirov G G: Aluminium oxide ultrathin-film growth on the Mo(110) surface: a work-function study [L655](#)
- Magnuson M: *see* Kurmaev E Z [3907](#)

- Mahanti S D: *see* Bhattacharya A L861, 1413
- Mai Zhenhong: *see* Xu Ming 2891
- Maier F: *see* Ristein J 8979
- Maignan A: *see* Belova L M 1103
- Maignan A: *see* Ganguly R 10911
- Main C: *see* Merazga A 10969
- Majchrowski A: *see* Koepke Cz 2701
- Maji S: *see* Singh A 177
- Majumdar S: *see* Bauer E L487
- Majumdar S: *see* Ray S 607
- Mak C S K: *see* Tanner P A 189
- Mäki-Jaskari M: Simulations of strain relief at the crack tip in silicon 1429
- Maksimov I S: *see* Kamenev K V 3709
- Maksimov I, Baabe D, Klauss H H, Litterst F J, Feyerherm R, Töbrens D M, Matsushita A and Süllow S: Structure and magnetic order in $\text{Fe}_{2+x}\text{V}_{1-x}\text{Al}$ 5487
- Malherbe J G: *see* Amokrane S 7199
- Malpuech G and Kavokin A: Ultrafast optical processes in nitrides 7075
- Maluszyńska H, Czarnecki P, Lewicki S, Wąsicki J and Gdaniec M: Structure and dynamics of ferroelectric pyridinium periodate 11053
- Mamedov V V: *see* Ataev B M L211
- Mancini G: *see* Rybicki J 9781
- Manfrinetti P: *see* Singh S 3753
- Mani A: *see* Marimuthu K 537
- Mankefors S and Nilsson P O: Revised charge redistribution on semiconductor III–V (110) surfaces 823
- Manninen S: *see* Hämäläinen K 7539
- Mannix D: *see* Case G S 9699
- Manolopoulos M: *see* Grammatikakis J 5251
- Mantel B F: *see* Ristein J 8979
- Manuel P: *see* Kilcoyne S H 5241
- Mao Ho-kwang, Kao Chichang and Hemley R J: Inelastic x-ray scattering at ultrahigh pressures 7847
- Maple M B: *see* Bauer E D L759, 4495, 5183, 5675
- Marchesini S: *see* Fadley C S 10517
- Marchetti S, Martinelli M and Simili R: The InSb Auger recombination coefficient derived from the IR–FIR dynamical plasma reflectivity 7363
- Marcinek M: *see* Chung S H 11763
- Marcon R: *see* dos Santos A O 10497
- Marcus P M, Qian Xianghong and Hübner W: Properties of the surface region of a metal crystal 3977
- Marcus P M: *see* Jona F 5507
- Marêché J F: *see* Celzard A 4387
- Margadonna S, Muranaka T, Prassides K, Maurin I, Brigatti K, Ibberson R M, Arai M, Takata M and Akimitsu J: Phase inhomogeneities and lattice expansion near T_c in the Mg^{11}B_2 superconductor L795
- Margerie J: *see* Laroche M 765
- Marimuthu K, Nehru L C, Mani A, Ramesh R, Muralidharan G and Jagannathan R: Apatites and britholites, are they akin—as probed by Eu^{3+} luminescence? 537
- Maritato L: *see* Attanasio C 3215
- Markosyan A S: *see* Gratz E R385
- Markosyan A S: *see* Tanaka M 7429
- Marks L D, Erdman N and Subramanian A: Crystallographic direct methods for surfaces 10677
- Marlo M: *see* Torpo L 6203
- Marrucci L, Paparo D and Kreuzer M: Fluctuating-friction molecular motors 10371
- Marshall I M: *see* Jestädt Th 2263
- Marshall W G: *see* Angel R J 5353
- Marsillac S: *see* El Maliki H 1839
- Marsman M: *see* Andriessen J 5611, 10507
- Marston J B: *see* Chung C H 5159
- Martin C D: *see* Kennedy B J L925
- Martin C: *see* Belova L M 1103
- Martin C: *see* Ganguly R 10911
- Martin D S, Barrett S D and Weightman P: Reflection anisotropy spectroscopy of clean and adsorbate-covered Ni(110) surfaces 9847
- Martin D S, Zeybek O, Sheridan B, Barrett S D, Weightman P, Inglesfield J E and Crampin S: Reflection anisotropy and surface electronic structure of W(110) L607
- Martin P: *see* Koumetz S L483
- Martin R W: *see* O'Donnell K P 6977
- Martinelli M: *see* Marchetti S 7363
- Martinez Matos O: *see* Torchia G A 6577
- Martinson I: *see* Lushchik Ch 6133
- Martínez B: *see* Navarro J 8481
- Martínez J L: *see* Velasco P 10991
- Martínez-Lope M J: *see* Velasco P 10991
- Mary T A: *see* Ravindran T R 11573
- Maryško M: *see* Krupička S 6813
- Maslov S: *see* Zheludev A R525
- Maslova N S, Oreshkin A I, Oreshkin S I, Panov V I, Savinov S V and Kalachev A A: The influence of Coulomb interaction of localized charges on low-temperature scanning tunnelling spectra of surface nanodefects 3941
- Massies J: *see* Grandjean N 6945
- Massies J: *see* Nelson D 7043
- Masuzawa A: *see* Kato H 6541
- Mathet V: *see* Pavlov V V 9867
- Mathonière C: *see* Feyerherm R 2639
- Mathur N D: *see* Grosche F M 2845
- Matilainen A: *see* Alanko T 10777
- Matsubara I, Kida N and Funahashi R: Magnetic and magneto-transport properties of $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ 5645
- Matsuda T D: *see* Sakai H L785

- Matsufuji A: *see* Furuya K 3519
Matsuhata H: *see* Lee C H L45
Matsuhira K, Hinatsu Y and Sakakibara T: Novel dynamical magnetic properties in the spin ice compound Dy₂Ti₂O₇ L737
Matsumoto M: *see* Khovailo V V 9655
Matsuo R J: *see* Abe H 3257
Matsuoka E, Kitagawa J, Ohoyama K, Yoshizawa H and Ishikawa M: Evidence of the quadrupolar ordering in DyPd₃S₄ 11009
Matsushita A: *see* Maksimov I 5487
Matthias E: *see* Lindner R 2339
Matysiak R: *see* Caramico D' Auria A 2017
Maude D K: *see* Harris J J L175
Maurin I: *see* Margadonna S L795
Mayers J: *see* Nemirovsky D 5053
Mayr F: *see* Ohl M 10221
Mazo L A: *see* Fraerman A A 683
Mazumder S, Sen D, Roy S K, Hainbuchner M, Baron M and Rauch H: Manifestation of the statistical nature of a medium in multiple small-angle scattering 5089
Mbamala E C: *see* von Grünberg H H 4801
McCann E and Fal'ko V I: Parametric correlations of local density-of-states fluctuations in disordered pillars, wires and films 6633
McCarthy L: *see* Xing H 7139
McChesney J L: *see* Himpel F J 11097
McComb D W: *see* Vlachos D 10799
McCombe B D: *see* Bruno-Alfonso A 9761
McDonald R D, Klehe A-K, Jephcoat A P, Olijnyk H, Sasaki T, Hayes W and Singleton J: A Raman study of the organic superconductor κ -(BEDT-TTF)₂Cu(SCN)₂ at high pressure L291
McDowell A F, Adolphi N L and Sholl C A: Site and barrier energy distributions that govern the rate of hydrogen motion in quasicrystalline Ti₄₅Zr₃₈Ni₁₇H_x 9799
McEwen K A: *see* Ellerby M 4221
McEwen K A: *see* Park J-G 1063
McGreevy R L: Reverse Monte Carlo modelling R877
McGreevy R L: *see* Pusztai L 7213
McGregor K W: *see* O'Sullivan R A R195
McIntyre G J: *see* Forrester J S L825
McKenzie R H: *see* Chung C H 5159
McLeish T C B: *see* Whiting C J 1381
McMillan P F: *see* Soignard E 557
McMorrow D F: *see* Clegg P S 10175, 10191
Meakin P: *see* MacFarlane D R 8257
Méar A M: *see* Huruguen J P 4939
Meaudre M and Meaudre R: Determination of the capture cross sections of electrons in undoped hydrogenated amorphous silicon from the photoconductivity of and space-charge relaxation in n⁺-i-n⁺ structures; the role of light exposure and annealing 5663
Meaudre R: *see* Meaudre M 5663
Mecke K R: Thermal fluctuations of thin liquid films 4615
Medina A N, Bento A C, Baesso M L, Gandra F G, Catunda T and Cassanho A: Temperature dependence of the Cr³⁺ site axial distortion in LiSrAlF₆ and LiSrGaF₆ single crystals 8435
Meftah A F: *see* Merazga A 10969
Meftah A M: *see* Merazga A 10969
Mehta V and Gourier D: Ytterbium-ion pairs in Yb:CsCdBr₃; ion-ion interaction and the electronic ground state investigated by electron paramagnetic resonance spectroscopy 4567
Mei Liangmo: *see* Liu Yihua 2009
Mei W N: *see* Duan Chun-gang 8189
Meier W, Blum V, Hammer L and Heinz K: Equilibration of stoichiometrically distorted Fe_{1-x}Al_x(100) surfaces 1781
Meinertzhagen I A: *see* Kreuzer H J 10729
Meißner M: *see* Stüßer N 2753
Mélin R: Superconducting cross-correlations in ferromagnets: implications for thermodynamics and quantum transport 6445
Mel'nikov A S: *see* Bystrov A S 6005
Mello F E A: *see* dos Santos A O 10497
Melo F E A: *see* Souza Filho A G 7305
Mendes P J, Ferreira L P, Gil J M and Ayres de Campos N: Muon diffusion in intermetallic compounds of the MoSi₂-type structure 5285
Mendes Filho J: *see* Souza Filho A G 7305
Mendioroz A: *see* Fernández J 10347
Meng G W: *see* Li Y 2691
Menguy N: *see* Perrin C 10231
Menon L: *see* du Plessis P de V 8375
Mensah N G: *see* Mensah S Y 5653
Mensah S Y, Allotey F K A, Mensah N G and Nkrumah G: Differential thermopower of a CNT chiral carbon nanotube 5653
Menzel D and Feulner P: Selective bond breaking in adsorbates by core excitations 11249
Merazga A, Meftah A F, Meftah A M, Main C and Reynolds S: Defect pool model based transient photoconductivity and the conduction band tail profile in a-Si:H 10969
Mercader R C: *see* Stewart S J 1743
Mercey B: *see* Prellier W R915
Mercey B: *see* Singhal R K 6865
Mészáros Cs: *see* Kirschner I 5399
Metoki N: *see* Nakamura H 475
Metzner W: *see* Pruschke Th 9455
Meunier J: *see* Bonn D 4903
Meyer D, Santos C and Nolting W: Quantum effects in the quasiparticle structure of the ferromagnetic Kondo lattice model 2531

- Meyer E: *see* Gnecco E [R619](#)
Meyer P: *see* Pavlov V V [9867](#)
Michalopoulou A, Syskakis E and Papastaikoudis C: Low-temperature transport properties of non-stoichiometric $\text{La}_{0.95-x}\text{Sr}_x\text{MnO}_3$ manganites [11615](#)
Michel D: *see* Mulla-Osman S [1119](#)
Michor H: *see* Bauer E [L487](#)
Michor H: *see* Mudryk Ya [7391](#)
Michor H: *see* Ya Kotur B [9421](#)
Michurin A V: *see* Koroleva L I [5901](#)
Micnas R: *see* Bussmann-Holder A [L169](#)
Mielke C H: *see* Harrison N [L389](#)
Mielke C H: *see* Singleton J [L899](#)
Mielke C, Singleton J, Nam Moon-Sun, Harrison N, Agosta C C, Fravel B and Montgomery L K: Superconducting properties and Fermi-surface topology of the quasi-two-dimensional organic superconductor λ -(BETS) $_2$ GaCl $_4$ (BETS \equiv bis(ethylene-dithio)tetraselenafulvalene) [8325](#)
Miglierini M, Schaaf P, Škorvánek I, Janičkovič D, Carpene E and Wagner S: Laser-induced structural modifications of FeMoCuB metallic glasses before and after transformation into a nanocrystalline state [10359](#)
Migoni R: *see* Bussmann-Holder A [L231](#)
Mihailov V: *see* Dyakonov V [4049](#)
Mihailova B, Bismayer U, Engelhardt A and Güttler B: Wall-related Raman scattering in ferroelastic lead phosphate $\text{Pb}_3(\text{PO}_4)_2$ [9383](#)
Mikhailov F A, Başaran E and Şentürk E: Improper and proper ferroelectric phase transitions in TlInS $_2$ layered crystal with incommensurate structure [727](#)
Mikami M: *see* Farajian A A [8049](#)
Millan Malo B, Pizio O, Patrykiewicz A and Sokolowski S: Adsorption and phase transitions in a two-site associating Lennard-Jones fluid confined to energetically heterogeneous slit-like pores; application of the density functional method [1361](#)
Millar P: *see* Kaliteevski M A [10459](#)
Miller P and Freericks J K: Microscopic self-consistent theory of Josephson junctions including dynamical electron correlations [3187](#)
Miller T and Chiang T-C: Lineshape effects in photoemission from the valence states of metals [11115](#)
Millo O: *see* Sharoni A [L503](#)
Millán P: *see* Jiménez B [7315](#)
Milman V and Warren M C: Elastic properties of TiB $_2$ and MgB $_2$ [5585](#)
Milman V and Warren M C: Elasticity of hexagonal BeO [241](#)
Milner A: *see* Rosenbaum R [3169](#)
Min B I: *see* Kang J-S [3779](#)
Mineo Y: *see* Furuya K [3519](#)
Ming Naiben: *see* Fang Anan [8489](#)
Mingaleev S F: *see* Christiansen P L [1181](#)
Minh-Tien Tran: *see* Thanh-Hai Dang [5625](#)
Minicucci M: *see* Rybicki J [9781](#)
Minitas A, Bručas R and Hjörvarsson B: A magnetoresistive self-assembled network of Gd $_3$ Co:H nanowires [L855](#)
Miotello A: *see* Checchetto R [811](#), [5853](#)
Miranda E: *see* Silva-Valencia J [L619](#)
Miranda R: *see* Müller S [1793](#), [9897](#)
Mishra U K: *see* Xing H [7139](#)
Mitra C: *see* Singh S [3753](#)
Mitra S, Mukhopadhyay R, Tsukushi I and Ikeda S: Dynamics of water in confined space (porous alumina): QENS study [8455](#)
Miyairi H: *see* Yamaga M [753](#)
Miyajima T, Tojyo T, Asano T, Yanashima K, Kijima S, Hino T, Takeya M, Uchida S, Tomiya S, Funato K, Asatsuma T, Kobayashi T and Ikeda M: GaN-based blue laser diodes [7099](#)
Miyakawa M, Umetsu R Y and Fukamichi K: Specific heat and thermal expansion characteristics related to spin fluctuations in antiferromagnetic β -MnOs alloys [3809](#)
Miyashita A: *see* Sugiharto [2875](#)
Mizouchi H: *see* Nasu K [R693](#)
Mo D: *see* Tian H Y [4065](#)
Mo M Y and Kantorovich L: Application of the non-equilibrium statistical operator method (NESOM) to dissipation atomic force microscopy [1439](#)
Moch P: *see* Kuzel P [167](#)
Moewes A: *see* Kurmaev E Z [3907](#)
Moghadam N Y, Stocks G M, Zhang X-G, Nicholson D M C, Shelton W A, Wang Yang and Faulkner J S: Angular momentum convergence of Korringa-Kohn-Rostoker Green's function methods [3073](#)
Moghadam N: *see* Faulkner J S [8573](#)
Mohn P: *see* Khmelevskiy S [8405](#)
Mohr C, Dubiel M and Hofmeister H: Formation of silver particles and periodic precipitate layers in silicate glass induced by thermally assisted hydrogen permeation [525](#)
Molak A: Flattening of the electric permittivity curve $\epsilon(T)$ of NaNbO $_3$:yMn single crystals caused by stress application [9561](#)
Monceau P: *see* Escudero R [6285](#)
Monceau P: *see* Nad F [L717](#)
Moncorgé R: *see* Laroche M [765](#)
Monecke J: *see* Sarua A [6687](#)
Monemar B: Bound excitons in GaN [7011](#)
Monkman A P: *see* Tzamalís G [6297](#)
Monozon B S and Schmelcher P: Charged donor

- in a narrow quantum well in the presence of in-plane crossed magnetic and electric fields 3727
- Monroy E: *see* Muñoz E 7115
- Montgomery L K: *see* Mielke C 8325
- Monthoux P: *see* Petrovic C L337
- Mookerjee A: *see* Chakrabarti A 10149
- Mooney K P: *see* Gasparini F M 4871
- Moreau M: *see* Bénichou O 4835
- Moreh R: *see* Finkelstein Y 2473
- Moreh R: *see* Nemirovsky D 5053
- Morel A: *see* Taliercio T 7027
- Morhain C: *see* Urbaszek B 2317
- Mori H: *see* Wang N L 5463
- Môri N: *see* Nakashima M L569
- Mori T, Zhang Fuxiang and Tanaka T: Synthesis and magnetic properties of binary boride REB₂₅ compounds L423
- Morii Y: *see* Izumiyama Y 1303
- Morin P: *see* Amara M 929
- Morishima S: *see* Bang H 10837
- Moritz W: *see* Saldin D K 10689
- Moroni S: *see* Ciftja O 1041
- Morrison I: *see* Jenkins S 9207
- Mortensen J J and Parrinello M: Localized non-orthogonal orbitals in silicon 5731
- Morton-Blake D A: *see* O'Dwyer S 2395
- Mørup S: *see* Helgason Ö 10785
- Moser J: *see* Jaccard D L89
- Mosqueira J: *see* Carballeira C 9271
- Mosselmans F: *see* Helgason Ö 10785
- Mosselmans J F W: *see* O'Donnell K P 6977
- Mountjoy G: *see* Cole J M 4105, 6659
- Moussa S M, Kennedy B J, Hunter B A, Howard C J and Vogt T: Low temperature structural studies on PrAlO₃ L203
- Movshovich R: *see* Petrovic C L337
- Moysés Araújo C: *see* Ferreira da Silva A 8891
- Mryglod I: *see* Bryk T 1343
- Mu R: *see* Ueda A 5535
- Mudryk Ya, Grytsiv A, Rogl P, Dusek C, Galatanu A, Idl E, Michor H, Bauer E, Godart C, Kaczorowski D, Romaka L and Bodak O: Physical properties and superconductivity of skutterudite-related Yb₃Co_{4.3}Sn_{12.7} and Yb₃Co₄Ge₁₃ 7391
- Mueller R M: *see* Köbler U 6835
- Mugeński E: *see* Hermanowicz K 5807
- Mujica A, Radescu S, Muñoz A and Needs R J: High-pressure phases of germanium 35
- Mukai T, Nagahama S, Iwasa N, Senoh M and Yamada T: Nitride light-emitting diodes 7089
- Mukai T: *see* Kawakami Y 6993
- Mukhomorov V K: Ground state of an optical bipolaron with an intermediate strength of coupling 3633
- Mukhopadhyay R: *see* Mitra S 8455
- Mukhopadhyay S: *see* Rao Ch Sambasiva L919
- Mulla-Osman S, Michel D, Völkel G, Peral I and Madariaga G: ³⁵Cl NMR studies of the domain structure of tetramethylammonium cadmium chloride (TMCC) at lower temperatures 1119
- Muller Ch: *see* Bedoya C 6453
- Müller K A: *see* Bussmann-Holder A L169
- Müller K-H: *see* Ruck K 1571
- Müller S, Prieto J E, Krämer T, Rath C, Hammer L, Miranda R and Heinz K: Surfactant-induced structures in the heteroepitaxial growth of Co on Cu(111) 9897
- Müller S, Prieto J E, Rath C, Hammer L, Miranda R and Heinz K: Surfactant-induced surface restructuring: (4 × 4)-Pb/Cu(111) 1793
- Mundim K C: *see* Dorfman S 6719
- Muniz R B: *see* Costa Jr A T 1827
- Muñoz A: *see* Mujica A 35
- Muñoz Santiuste J E: *see* Santana R C 8853
- Muñoz E, Monroy E, Pau J L, Calle F, Omnès F and Gibart P: III nitrides and UV detection 7115
- Murakawa Y: *see* Settai R L627
- Murali Krishna P: *see* Rao Ch Sambasiva L919
- Muralidharan G: *see* Marimuthu K 537
- Muranaka T: *see* Margadonna S L795
- Muravlev Yu B: *see* Tarasov V P 11041
- Murphy T: *see* Rosenbaum R 3169
- Muta K: *see* Kobayashi Y 3335
- Myagkota S: *see* Voloshinovskii A 8207
- Mydosh J A: *see* Tomuta D G 4543
- Naber L: *see* Ellerby M 4221
- Nabi T: *see* van Bokhoven J A 10247
- Nad F, Monceau P, Carcel C and Fabre J M: Charge and anion ordering phase transitions in (TMTTF)₂X salt conductors L717
- Nagahama S: *see* Mukai T 7089
- Nagirnyi V: *see* Lushchik Ch 6133
- Nagler S E: *see* Zheludev A R525
- Nahm Kyun: *see* Kim Mun Dae 3271
- Nakamura H, Metoki N, Suzuki S, Takayanagi F and Shiga M: Helimagnetic structure of YMn₂ observed by means of nuclear magnetic resonance and neutron diffraction 475
- Nakanishi T: *see* Nakashima M L569
- Nakashima M, Haga Y, Honda F, Eto T, Oomi G, Kagayama T, Takeshita N, Nakanishi T, Môri N, Aoki D, Settai R and Ônuki Y: Non-Fermi-liquid behaviour around the magnetic quantum critical point in UGa₃ L569
- Nakashima M: *see* Settai R L627

- Nakasu A, Totsuka K, Hasegawa Y, Okamoto K and Sakai T: The field-induced gap due to four-spin exchange in a spin ladder 7421
- Nalbach P, Terzidis O, Topp K A and Würger A: Elastic response of [111]-tunnelling impurities 1467
- Nam M S, Blundell S J, Ardavan A, Symington J A and Singleton J: Fermi surface shape and angle-dependent magnetoresistance oscillations 2271
- Nam Moon-Sun: *see* Mielke C 8325
- Nambissan P M G: *see* Singh A 177
- Nampoori V P N: *see* George N A 365
- Nan-xian Chen, Jiang Shen and Xuping Su: Theoretical study on the phase stability, site preference, and lattice parameters for Gd(Fe, T)₁₂ 2727
- Nanda K K, Behera S N and Sahu S N: The lattice contraction of nanometre-sized Sn and Bi particles produced by an electrohydrodynamic technique 2861
- Napiórkowski M: *see* Kubalski G P 4727
- Naramoto H: *see* Zhang Z J L475
- Narayanasamy A: *see* Chinnasamy C N corrigendum 1179
- Narukawa Y: *see* Kawakami Y 6993
- Narumi K: *see* Zhang Z J L475
- Nascimento V P, Passamani E C, Takeuchi A Y, Larica C and Nunes E: Single magnetic domain precipitates of Fe/Co and Fe and Co in Cu matrix produced from (Fe–Co)/Cu metastable alloys 665
- Nasredinov F S: *see* Seregin N P 149
- Nasredinov F S: *see* Seregin N P 2671
- Nasu K, Ping Huai and Mizouchi H: Photoinduced structural phase transitions and their dynamics R693
- Naugle D G: *see* Lue C S 1585
- Navarro J, Balcells LI, Sandiumenge F, Bibes M, Roig A, Martínez B and Fontcuberta J: Antisite defects and magnetoresistance in Sr₂FeMoO₆ double perovskite 8481
- Needs R J: *see* Mujica A 35
- Nefedov I M: *see* Fraerman A A 683
- Nehru L C: *see* Marimuthu K 537
- Nelson D, Gil B, Jacobson M A, Kagan V D, Grandjean N, Beaumont B, Massies J and Gibart P: Impact ionization of excitons in an electric field in GaN 7043
- Nemirovsky D, Moreh R, Finkelstein Y and Mayers J: Study of the anisotropy in the atomic momentum distributions in a Kapton film 5053
- Nenkov K: *see* Ruck K 1571
- Netzer F P: *see* Surnev S 11305
- Neuefeind J: *see* Tomberli B 11405, 11421
- Neumann K-U: *see* Brown P J 1111, 1563
- Neumann M: *see* Szade J 2717
- Neumann M: *see* Ślebarski A 5515
- Neves A J: *see* Pereira R N 8957
- Newman R C: *see* Grosche E G 2117
- Newport R J: *see* Cole J M 4105
- Newport R J: *see* Cole J M 6659
- Newrock R S: *see* Debray P 3389
- Newton M E: *see* Twitchen D J 2045
- Nguyen N: *see* Ganguly R 10911
- Ni Gang: *see* Zhu Hao 1727
- Ni G: *see* Xu Q Y 1851, 5047
- Niazi A and Rastogi A K: Low-temperature resistance minimum in non-superconducting 3R-Nb_{1+x}S₂ and 3R-Ga_xNbS₂ 6787
- Nicastro M, Galamic-Mulamerovic S and Patterson C H: Multipolar contributions to electron self-energies: extreme tight binding model 1215
- Nicholas R J: *see* Urbaszek B 2317
- Nicholson D M C: *see* Moghadam N Y 3073
- Nicklas M, Borth R, Lengyel E, Pagliuso P G, Sarrao J L, Sidorov V A, Sparr G, Steglich F and Thompson J D: Response of the heavy-fermion superconductor CeCoIn₅ to pressure: roles of dimensionality and proximity to a quantum-critical point L905
- Nicula R: *see* Ponkratz U 549
- Nieminen R M: *see* Torpo L 6203
- Nieuwenhuys G J: *see* Tomuta D G 4543
- Nikirska D D: *see* Vengrenovich R D 2947
- Nikitin S A: *see* Tereshina I S 8161
- Nikitin S I: *see* Aminov L K 6247
- Nilsson P O: *see* Mankefors S 823
- Nishi M: *see* Fujita K 6411
- Nishimatsu T: *see* Katayama-Yoshida H 8901
- Nishimoto A: *see* Shirotani I 9393
- Nishimura T: *see* Okazawa T 9835
- Niu Yuan, Wang Shan-Ying, Zhao Dong-Liang and Wang Chong-Yu: The electronic effect in the (100) edge dislocation core system with a carbon atom in α -iron: a first-principles study 4267
- Nkrumah G: *see* Mensah S Y 5653
- Nolting W: *see* Gelfert A R505
- Nolting W: *see* Meyer D 2531
- Noma T: *see* Kato H 6541
- Nomura M: *see* Bang H 10837
- Nonomura M and Ohta T: Kinetics of morphological transitions between mesophases 9089
- Nordgren J: *see* Kurmaev E Z 3907
- North B: *see* Darnton N 4891
- Novikov D L: *see* Peltzer y Blancá E L 9463
- Novák P: *see* Krupička S 6813
- Nozdrin Yu N: *see* Fraerman A A 683
- Nunes E: *see* Nascimento V P 665
- Nunes L A O: *see* Santana R C 8853
- Öberg S: *see* Coomer B J L1

- Öberg S: *see* Pinho N M C 8951
- Oda M, Shen M Y, Saito M and Goto T:
Quantum-size confinement of excitons in
CuBr nanocrystals embedded in a
polymer 11465
- Oda T: *see* Geshi M 9401
- Oda Y: *see* Sumiyama A L879
- O'Donnell C B: *see* Urbaszek B 2317
- O'Donnell K P, Mosselmann J F W, Martin R W,
Pereira S and White M E: Structural analysis
of InGaN epilayers 6977
- O'Dwyer S, Xie Hongwei, Corish J and
Morton-Blake D A: An atomistic simulation
of the effect of pressure on conductive
polymers 2395
- Ogasawara K: *see* Ishii T 5757
- Ogawa K: *see* Furuya K 3519
- Oguro I: *see* Hossain Z 4535
- Oh I-K and Singh J: Acoustic phonon generation
from quasi-2D hole gas in quantum
wells 10851
- Ohki Y: *see* Kato H 6541
- Ohl M, Mayr F, Reehuis M, Schmidt W and
Loidl A: Lattice vibrations in the mixed
crystals $(\text{NH}_4\text{I})_{0.3}(\text{KI})_{0.7}$, $(\text{ND}_4\text{I})_{0.3}(\text{KI})_{0.7}$ and
 $(\text{NH}_4\text{Br})_{0.3}(\text{KBr})_{0.7}$ 10221
- Ohmasa Y: *see* Yao M R297
- Ohno H: *see* Sakai H L785
- Ohno K: *see* Sun Q 1931
- Ohoyama K: *see* Matsuoka E 11009
- Ohshima K: *see* Abe H 3257
- Ohshima K: *see* Kusawake T 9913
- Ohta K: *see* Kamishima O 2455
- Ohta T: *see* Lee C H L45
- Ohta T: *see* Nonomura M 9089
- Oishi S: *see* Itoh M 6853
- Oitmaa J: *see* Weihong Zheng 433
- Ojha V N: *see* Bhattacharya D L431
- Okamoto K: *see* Kawakami Y 6993
- Okamoto K: *see* Nakasu A 7421
- Okazawa T, Hoshino Y, Nishimura T and Kido Y:
Surface structure and dipole moments of
RbI(001) determined by high-resolution
medium-energy ion scattering 9835
- Okuda J: *see* Furuya K 3519
- Olier R: *see* Huruguen J P 4939
- Olijnyk H: *see* McDonald R D L291
- Oliveira L E: *see* de Dios-Leyva M 9471
- Oliver A: *see* Cheang-Wong J C 10207
- Olivi-Tran N, Batrouni G and Hansen A: Crack
formation in two-dimensional annular
networks L135
- Olmsted P D: *see* Whiting C J 1381
- Olson C G: *see* Kang J-S 3779
- Olson D L: *see* Dooley D E 8677
- Olsson S, Blomquist P and Hjörvarsson B: Phase
transitions of hydrogen in
quasi-two-dimensional vanadium
lattices 1685
- Omae K: *see* Kawakami Y 6993
- Omnès F: *see* Muñoz E 7115
- Omori S: *see* Fadley C S 10517
- Ong C K: *see* Han K-H 8745
- Ong C K: *see* Huang Q 4033
- Ong C K: *see* Li J 3419
- Ong C K: *see* Liu J-M 11
- Ong P C: *see* Han K-H 8745
- Ong P P: *see* Zhu Y L189, 787, 4075
- Onoda M and Arai R: The spin-gap state and the
linear-chain state in δ -phase $\text{Ag}_x\text{V}_2\text{O}_5$ with a
double-layered structure 10399
- Onoda M and Kanbe K: Crystal structure and
electronic properties of the $\text{Ag}_2\text{V}_4\text{O}_{11}$
insertion electrode 6675
- Ōnuki 2001 Y: *see* Tateiwa N *corrigendum* 6443
- Ōnuki Y: *see* Nakashima M L569
- Ōnuki Y: *see* Sakai H L785
- Ōnuki Y: *see* Settai R L627
- Ōnuki Y: *see* Sumiyama A L879
- Ōnuki Y: *see* Tateiwa N L17
- Oomi G: *see* Nakashima M L569
- Oppeneer P M: *see* Galanakis I 4553
- Ordejón P: *see* Estreicher S K 6271
- Oreshkin A I: *see* Maslova N S 3941
- Oreshkin S I: *see* Maslova N S 3941
- Orita N: *see* Katayama-Yoshida H 8901
- Ormeno R J: *see* Hein M A L65
- Ortega J: *see* Charrier A L521
- Oshenin G: *see* Bénichou O 4835
- Osipov V A: *see* Krasavin S E 1023
- Ostanin S, Popescu V and Ebert H: Magnetic
circular x-ray dichroism of the 4d elements in
disordered $\text{Co}_x\text{Rh}_{1-x}$ and $\text{Fe}_x\text{Pd}_{1-x}$
alloys 3895
- Ostapchuk T, Petzelt J, Zelezny V, Kamba S,
Bovtun V, Porokhonskyy V, Pashkin A,
Kuzel P, Glinchuk M D, Bykov I P,
Gorshunov B and Dressel M: Polar phonons
and central mode in antiferroelectric PbZrO_3
ceramics 2677
- Ostrovskii I P: *see* Klimovskaya A I 5923
- O'Sullivan R A, McGregor K W and Scott J F:
Thermal focusing and optical bistability in
ferroelectrics R195
- Otadoy R E S: *see* Koperdraad R T 8707
- Oughaddou H: *see* Le Layre G 11195
- Ouladdiaf B: *see* Budziak A L871
- Ouladdiaf B: *see* Gibson B J 2593
- Ouladdiaf B: *see* Stüßer N 2753
- Ovchinnikov A S, Bostrem I G, Sinitsyn V E,
Baranov N V and Inoue K: The ground-state
properties of the one-dimensional heterospin
chain (5/2, 1/2, 1/2) with alternating
exchange 5221
- Ovid'ko I A and Sheinerman A G: Misfit
dislocations in multilayered films on

- disclinated substrates 7937
- Ovid'ko I A and Sheinerman A G: Nano-wires associated with compositional inhomogeneities in multilayered films 9645
- Ovid'ko I A: Effects of misfit stresses on high- T_C superconductivity in thin-film cuprates L97
- Özen G and DiBartolo B: The microscopic interaction parameter for Tm-to-Ho resonant energy transfer in LiYF_4 195
- Özkan I: *see* Cheranovskii V O 4525
- Pagliuso P G: *see* Nicklas M L905
- Pagliuso P G: *see* Petrovic C L337
- Pakula T: *see* Vlassopoulos D R855
- Pal A K: *see* Datta S 5699
- Pal S: *see* Banerjee A 9489
- Palasyuk A M: *see* Ya Kotur B 9421
- Palenzona A: *see* Singh S 3753
- Palewski T: *see* Tereshina I S 8161
- Palkar V R: *see* Bannerjee R 501
- Palm E: *see* Rosenbaum R 3169
- Palmer R E: *see* Grimaud C-M 1869
- Pan M H: *see* Xu Q Y 1851
- Pan M X, Wang J G, Yao Y S, Zhao D Q and Wang W H: Pressure dependence of crystallization in $\text{Zr}_{41}\text{Ti}_{14}\text{Cu}_{12.5}\text{Ni}_{10}\text{Be}_{22.5}$ bulk metallic glass L589
- Pandey A: *see* Bhattacharya D L431
- Pandey D: *see* Kumar Singh A L931
- Pandey D: *see* Ranjan R 4239, 4251
- Pandey R: *see* Rérat M 343
- Panich A M, Zemnukhova L A and Davidovich R L: Nuclear quadrupole resonance study of phase transitions and incommensurability in K_2SbF_5 1609
- Pankratov I R and Vaks V G: Kinetics of L1_0 -type and L1_2 -type orderings in alloys at early stages of phase transformations 6031
- Panov V I: *see* Maslova N S 3941
- Pantoja A E, Trodahl H J, Buckley R G, Tomioka Y and Tokura Y: Raman spectroscopy of orthorhombic $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$, $x = 0.1-0.3$ 3741
- Paolucci G: Photoelectron spectroscopy for the study of reactions on surfaces 11293
- Papakonstantinou P and Lemoine P: Influence of nitrogen on the structure and nanomechanical properties of pulsed laser deposited tetrahedral amorphous carbon 2971
- Papanek P, Kamitakahara W A, Zhou P and Fischer J E: Neutron scattering studies of disordered carbon anode materials 8287
- Paparo D: *see* Marrucci L 10371
- Papastaikoudis C: *see* Michalopoulou A 11615
- Papathanassiou A N: On the polarization mechanisms related to the liquid–solid interaction in porous media containing humidity L791
- Papathanassiou A N: *see* Grammatikakis J 5251
- Pape M: *see* Reyher H J 3767
- Pardo L: *see* Jiménez B 7315
- Parise J B: *see* Kennedy B J L925
- Parish G: *see* Xing H 7139
- Park H L: *see* Bahng Jae Ho 777
- Park Hyun-Min: *see* Lim Ae Ran 3511
- Park J-G, Kim H C, Lee Seongsu and McEwen K A: Pressure-dependent resistivity studies and the origin of non-Fermi-liquid behaviour in $\text{U}_x\text{Y}_{1-x}\text{Pd}_3$ 1063
- Park Jong-Ho, Lee Kwang-Sei and Choi Byung-Chun: High-temperature transformation in KH_2PO_4 and RbH_2PO_4 crystals 9411
- Park Key Taek: Electronic structure calculations for layered LaSrMnO_4 and Ca_2RuO_4 9231
- Park Min-Seok: *see* Vasquez R P 7977
- Park S H: *see* Kocharian A N 6759
- Park Seongtae: *see* Jang Kiwan 3223
- Parkin S S P: *see* Kent A D R461
- Parrinello M: *see* Mortensen J J 5731
- Parry A O, Macdonald E D and Rascón C: Droplet shapes on structured substrates and conformal invariance 383
- Parry A O, Wood A J and Rascón C: Wedge filling, cone filling and the strong-fluctuation regime 4591
- Pascarelli S: *see* Staub U 11511
- Pashchenko V: *see* Dyakonov V 4049
- Pashkin A: *see* Ostapchuk T 2677
- Passamani E C: *see* Nascimento V P 665
- Pasturel A: *see* Berne C 9433
- Pati Swapan K: *see* Avinash V 11697
- Patrykiewicz A, Sokołowski S, Sokołowska Z and Pizio O: A simple model of adsorption by swelling porous materials: application of a density functional approach 6151
- Patrykiewicz A: *see* Millan Malo B 1361
- Patterson C H: *see* Nicastrò M 1215
- Pau J L: *see* Muñoz E 7115
- Paul Ch: *see* Bauer E L487
- Paulose P: *see* Singh S 3753
- Pavlenko N I and Stasyuk I: The superionic phase transition in hydrogen-bonded systems of the $\text{M}_3\text{H}(\text{XO}_4)_2$ class: the effect of nearest-O(2) distortions on the proton dynamics 4081
- Pavlov V V, Ferré J, Meyer P, Tessier G, Georges P, Brun A, Beauvillain P and Mathet V: Linear and non-linear magneto-optical studies of Pt/Co/Pt thin films 9867
- Pavone P: Old and new aspects in lattice-dynamical theory 7593
- Paxson C: *see* Sage J T 7707
- Payami M: Volume change of bulk simple metals and simple metal clusters due to spin polarization 4129

- Pearce J V, Azuah R T, Fåk B, Sakhel A R, Glyde H R and Stirling W G: High-resolution measurements of excitations in superfluid ^4He beyond the roton [4421](#)
- Peeters F M: *see* Bruno-Alfonso A [9761](#)
- Peeters F M: *see* Freire J A K [3283](#)
- Pei Zhi-Wu: *see* Tanner P A [189](#)
- Peisl J: *see* Plech A [5563](#)
- Peltzer y Blanca E L, Rodríguez C O, Shitu J and Novikov D L: Degree of localization of the exchange–correlation hole and its influence on the ground-state (structural and magnetic) properties of d metals [9463](#)
- Peña A, Gutiérrez J, Rodríguez-Martínez L M, Barandiarán J M, Hernández T and Rojo T: Structure and magnetism in $\text{Sr}_2(\text{Fe}_{1-x}\text{Al}_x)\text{MoO}_6$ ($0 \leq x \leq 0.3$) double perovskite compounds [6535](#)
- Penc B, Hofmann M, Szytuła A and Zygmunt A: Magnetic structure and magnetic phase transitions in TbPtGe_2 [4471](#)
- Penc B: *see* Szytuła A [8007](#)
- Peng G: *see* Yuan S L [L509](#), [5691](#)
- Peng Kuangding: *see* Liu Fu-sui [2817](#)
- Peng Shaoqi: *see* Zhang Haiyan [2883](#)
- Peng Yan-ze, Fan Tian-you, Jiang Fu-ru, Zhang Wei-guo and Sun Ying-fei: Perturbative method for solving elastic problems of one-dimensional hexagonal quasicrystals [4123](#)
- Pépin C: *see* Coleman P [R723](#)
- Pepper M: *see* Tkachenko O A [9515](#)
- Peral I: *see* Mulla-Osman S [1119](#)
- Pereira R N, Gehlhoff W, Sobolev N A, Neves A J and Bimberg D: Determination of the W8 and AB5 defect levels in the diamond gap [8957](#)
- Pereira S: *see* O'Donnell K P [6977](#)
- Peres N M R, Sacramento P D and Carmelo J M P: Charge and spin transport in the one-dimensional Hubbard model [5135](#)
- Pérez R: *see* Charrier A [L521](#)
- Pérez R and Gonzalez A: Internal transitions in the confined biexciton [L539](#)
- Pérez-Álvarez R, García-Moliner F and Velasco V R: Some elementary questions in the theory of quasiperiodic heterostructures [3689](#)
- Perrin C, Menguy N, Bidault O, Zahra C Y, Zahra A-M, Caranoni C, Hilczler B and Stepanov A: Influence of B-site chemical ordering on the dielectric response of the $\text{Tb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3$ relaxor [10231](#)
- Perroni C A: *see* Iadonisi G [1499](#)
- Perrot F: *see* Legrand P [287](#)
- Persans P D: *see* Hayes T M [425](#)
- Persi L: *see* Chung S H [11763](#)
- Persson B N J: *see* Volokitin A I [859](#)
- Persson C, Ahuja R, Ferreira da Silva, A and Johansson B: First-principle calculations of the dielectric function of zinc-blende and wurtzite InN [8945](#)
- Persson C, Sernelius Bo E, Ferreira da Silva A, Ahuja R and Johansson B: Effective electron and hole masses in intrinsic and heavily n-type doped GaN and AlN [8915](#)
- Persson C: *see* Ferreira da Silva A [8891](#)
- Petit L, Svane A, Szotek Z, Strange P, Winter H and Temmerman W M: Simple rules for determining valencies of f-electron systems [8697](#)
- Petri I: *see* Wasse J C [6165](#)
- Petricec V: *see* Rabiller P [1653](#)
- Petrov A A: *see* Afanasjev V P [8755](#)
- Petrovic C, Pagliuso P G, Hundley M F, Movshovich R, Sarrao J L, Thompson J D, Fisk Z and Monthoux P: Heavy-fermion superconductivity in CeCoIn_5 at 2.3 K [L337](#)
- Pettifer R F: *see* Cole J M [6659](#)
- Petzelt J: *see* Buixaderas E [2823](#)
- Petzelt J: *see* Ostapchuk T [2677](#)
- Phillipp F: *see* Li Y [2691](#)
- Pidgeon C R: *see* Wells J-P R [2137](#)
- Piechota S: *see* Dyakonov V [4049](#)
- Pietraszko A, Bednarska-Bolek B, Jakubas R and Zieliński P: Phase transitions in the ferroelastic $[\text{C}_5\text{H}_{10}\text{NH}_2]\text{SbCl}_6$ [6471](#)
- Piltz R O: *see* Forrester J S [L825](#)
- Ping Huai: *see* Nasu K [R693](#)
- Ping Lou: The effect of spin fluctuations on the *c*-axis thermoelectric power in underdoped cuprate [1995](#)
- Pinho N M C, Torres V J B, Jones R, Briddon P R and Öberg S: Mg–H and Be–H complexes in cubic boron nitride [8951](#)
- Pino Ramiro and Villalba Víctor M: Calculation of the energy spectrum of a two-electron spherical quantum dot [11651](#)
- Pinski F J: *see* Razee S S A [8565](#)
- Pinski F J: *see* Sanati M [5387](#)
- Pinto R: *see* Bannerjee R [501](#)
- Piroto Duarte J: *see* Gil J M [L613](#)
- Piroto Duarte J and Ayres de Campos N: *see* Cox S F J [9001](#)
- Pischedda V: *see* Wang Zhongwu [8317](#)
- Pisignano D, Capaccioli S, Casalini R, Lucchesi M, Rolla P A, Justl A and Rössler E: Study of the relaxation behaviour of a tri-epoxy compound in the supercooled and glassy state by broadband dielectric spectroscopy [4405](#)
- Pizio O: *see* Millan Malo B [1361](#)
- Pizio O: *see* Patrykiewicz A [6151](#)
- Plachkova S K: *see* Avramova I A [43](#)
- Plech A, Klemradt U and Peisl J: Wetting transition and pretransitional thin films in

- binary liquids:
 alcohol/perfluoromethylcyclohexane mixtures
 studied by x-ray reflectivity [5563](#)
- Poelman D: *see* Versluys J [5709](#)
- Polcik M: *see* Driver S M [L601](#)
- Polcik M: *see* Woodruff D P [10625](#)
- Polian A: *see* Sadoc A [8527](#)
- Polini M, Sica G, Davoudi B and Tosi M P:
 Short-range correlations in a two-dimensional
 electron gas [3591](#)
- Pollard R J: *see* Atkinson R [691](#)
- Pong W F: *see* Asokan K [11087](#)
- Ponkratzen U, Nicula R, Jianu A and Burkel E: *In
 situ* high-pressure x-ray diffraction study of
 icosahedral Al–Cu–TM (TM = V, Cr, Mn)
 alloys [549](#)
- Ponnambalam V: *see* Xia Y [77](#)
- Ponpandian N: *see* Chinrasamy C
 N [corrigendum 1179](#)
- Poon S J: *see* Xia Y [77](#)
- Poon W C K: *see* Elliot M S [L553](#)
- Pope A L: *see* Xia Y [77](#)
- Popescu V: *see* Ostanin S [3895](#)
- Porokhonsky V: *see* Ostapchuk T [2677](#)
- Porowski S: *see* Krukowski S [8881](#)
- Porrás-Montenegro N: *see* Villamil P [4143](#)
- Porsch F: *see* Degtyareva O [7295](#)
- Portal J-C: *see* Harris J J [L175](#)
- Posazhennikova A I: *see* Bonn D [4903](#)
- Possart W: *see* Hotz R [7953](#)
- Pöttgen R: *see* Gibson B J [2593](#), [3123](#)
- Prange W, Kurbjuhn T, Tolan M and Press W:
 The structure of hexane/perfluorohexane thin
 liquid films [4957](#)
- Prassides K: *see* Jestädt Th [2263](#)
- Prassides K: *see* Margadonna S [L795](#)
- Prassides K: *see* Saito E [L267](#)
- Pratt F L: *see* Jestädt Th [2263](#)
- Prellier W, Lecoœur Ph and Mercey B:
 Colossal-magnetoresistive manganite thin
 films [R915](#)
- Prellier W and Raveau B: Comment on ‘The
 controlled charge ordering and evidence of
 the metallic state in $\text{Pr}_{0.65}\text{Ca}_{0.35}\text{MnO}_3$
 films’ [2749](#)
- Press W: *see* Prange W [4957](#)
- Prieto J E: *see* Müller S [1793](#), [9897](#)
- Prijamboedi B and Uwe Hiromoto:
 Superconductivity and normal-state magnetic
 properties of Pr-doped $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$ single
 crystals [1551](#)
- Primatarowa M T: *see* Stoychev K T [L183](#)
- Principi G: *see* Checchetto R [811](#)
- Prior K A: *see* Urbaszek B [2317](#)
- Prischepa S L: *see* Attanasio C [3215](#)
- Privat M: *see* Huruguen J P [4939](#)
- Proetto C R: *see* Bolcatto P G [319](#)
- Prohorov A: *see* Dyakonov V [4049](#)
- Prokhorov V G: *see* Lee Y P [9673](#)
- Prokopenko I V: *see* Klimovskaya A I [5923](#)
- Pronin I P: *see* Afanasjev V P [8755](#)
- Prosandeev S A, Kleemann W and Dec J: Low
 temperature behaviour of quantum
 paraelectric SrTiO_3 weakly doped with Ca^{2+}
 impurities [5957](#)
- Prosandeev S A, Trepakov V A, Savinov M E,
 Jastrabik L and Kapphan S: Characteristics
 and the nature of the low frequency dielectric
 response in moderately concentrated
 $\text{KTaO}_3:\text{Li}$ [9749](#)
- Prosandeev S A, Trepakov V A, Savinov M E and
 Kapphan S E: Coupling of Li^+ relaxators to
 the soft mode in $\text{KTaO}_3:\text{Li}$ [719](#)
- Prosandeev S A: *see* Raevski I P [L299](#)
- Pruschke Th, Metzner W and Vollhardt D: On the
 analyticity of solutions in the dynamical
 mean-field theory [9455](#)
- Pu F C: *see* Kou S P [2627](#)
- Pu F-C: *see* Li Zhijian [617](#)
- Pu X H: *see* Tian H Y [4065](#)
- Puchin V E, Puchina A V, Huisinga M and
 Reichling M: Theoretical modelling of steps
 on the $\text{CaF}_2(111)$ surface [2081](#)
- Puchina A V: *see* Puchin V E [2081](#)
- Pun E Y B: *see* Ruan W Y [1329](#)
- Punte G: *see* Stewart S J [1743](#)
- Purandare S C: *see* Bannerjee R [501](#)
- Pusep Yu A, Sokolov S S, Fortunato W,
 Galzerani J C and Leite J R: Raman probing
 of spatial extents of collective excitations in
 AlGaAs alloys [10165](#)
- Pusztai L and McGreevy R L: The structure of
 molten ZnCl_2 and MgCl_2 [7213](#)
- Putero-Vuaroqueaux M and Vidal B:
 Extreme-ultraviolet multilayer mirrors
 deposited using radio-frequency-magnetron
 sputtering: the influence of self-bias voltage
 on reflectivity and roughness [3969](#)
- Pyckhout-Hintzen W: *see* Caspary D [11521](#)
- Qi Zeming, Shi Chaoshu, Wei Yaguang,
 Wang Zheng, Liu Tao, Hu Tiandou,
 Zhao Zongyan and Li Fuli: An EXAFS study
 of the nanocrystalline transformation of
 $\text{ZrO}_2:\text{Y}_2\text{O}_3(5\%)$ [11503](#)
- Qian Xianghong: *see* Marcus P M [3977](#)
- Qian Y T: *see* Chen Q [5377](#)
- Qiao Zhiyu: *see* Li Jianye [L285](#)
- Qiao Zhiyu: *see* Li Jianye [L937](#)
- Qin G: *see* Qin G G [11751](#)
- Qin G G, Chen Y, Ran G Z, Zhang B R,
 Wang S H, Qin G, Ma Z C, Zong W H and
 Ren S F: Electroluminescence from $\text{Au}/(\text{SiO}_2/\text{Si}/\text{SiO}_2)$
 nanometer double barrier/p-Si
 structures and its mechanism [11751](#)

- Qin G G: *see* Sun W H 5931
Qiu L: *see* Ding S Y 6509
Qiu P S: *see* Tian H Y 4065
Qiu Rong-ke and Zhang Zhi-dong:
Magnetization, internal energy and specific heat in a three-sublattice ferrimagnet or ferromagnet with $|J_{ab}| = |J_{bc}| \neq J_{ca}$ 4165
Qteish A: *see* Al-Sharif A I 2807
Queiroz Pellegrino G: Persistent current and Drude weight in one-dimensional rings with substitution potentials 8121
- Rabiller P, Etrillard J, Toupet L, Kiat J M, Launois P, Petricek V and Brezowski T: Disorder versus structure analysis in intergrowth urea inclusion compounds 1653
Radantsev V F, Yafyasov A M, Bogevolnov V B and Ivankiv I M: Spin-orbit splitting in the HgTe surface quantum well 851
Radescu S: *see* Mujica A 35
Radhakrishnan P: *see* George N A 365
Radzhabov E and Kurobori T: Photoionization processes in barium fluorohalide crystals doped with Eu^{2+} 1159
Radzhabov E: Creation of trapped electrons and holes in alkaline-earth fluoride crystals doped by rare-earth ions 10955
Raevski I P and Prosandeev S A: Verification of the Thomas theoretical framework for A-substituted $\text{PbB}_n\text{Nb}_m\text{O}_3$ relaxor ferroelectrics L299
Ragil K: *see* Bonn D 4903
Rahmani A, Jund P, Benoit C and Jullien R: Numerical study of the dynamic properties of silica aerogels 5413
Raichev O: *see* Debray P 3389
Rainford B D: *see* Adroja D T 459
Räisänen J: *see* Alanko T 10777
Rama Rao K V S: *see* Sivakumar R 4155
Ramaker D E: *see* van Bokhoven J A 10247, 10383
Ramakrishnan S: *see* Tomuta D G 4543
Ramallo M V: *see* Carballeira C 2573, 9271
Ramaprabhu S: *see* Anuradha S 11589
Ramaprabhu S: *see* Sivakumar R 4155
Ramasesha S: *see* Rudra Indranil 11717
Ramazashvili R: *see* Coleman P R723
Ramesh R: *see* Marimuthu K 537
Ramos M M D: *see* Stoneham A M 2411
Rams M: *see* Hodges J A 9301
Ramsey M G: *see* Surnev S 11305
Ramírez M O: *see* Lira C A 11067
Ran G Z: *see* Qin G G 11751
Ranganathan R: *see* Banerjee G N 9481
Ranjan R and Pandey D: Antiferroelectric phase transition in $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$ ($0.12 < x \leq 0.40$): I. Dielectric studies 4239
Ranjan R and Pandey D: Antiferroelectric phase transition in $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$: II. X-ray diffraction studies 4251
Ranjan V and Singh V A: Shallow impurities and δ -doping in quantum dot-quantum well systems 8105
Rao C N R: *see* Vanitha P V 11707
Rao Ch Sambasiva, Murali Krishna P, Mukhopadhyay S and Chatterjee A: A fully interacting many-electron-phonon system in one dimension: an exactly soluble model L919
Rao G H: *see* Chu W G L441
Rao G H: *see* Liu Q L 6529
Rarivomanantsoa M, Jund P and Jullien R: Classical molecular dynamics simulations of amorphous silica surfaces 6707
Rascón C: *see* Parry A O 383, 4591
Rastogi A K: *see* Niazi A 6787
Rath C: *see* Müller S 1793, 9897
Rathke J W: *see* Gerald II R E 8269
Rathnayaka K D D: *see* Lue C S 1585
Raty J Y: *see* Chelikowsky J R R817
Rauch H: *see* Mazumder S 5089
Raveau B: *see* Belova L M 1103
Raveau B: *see* Ganguly R 10911
Raveau B: *see* Prellier W 2749
Raven M S: *see* Gueffaf A 875
Ravindran T R, Arora Akhilesh K and Mary T A: High-pressure Raman spectroscopic study of zirconium tungstate 11573
Rawat R and Das I: Magnetocaloric and magnetoresistance studies of GdPd_2Si L57
Rawat R and Das I: The similar dependence of the magnetocaloric effect and magnetoresistance in TmCu and TmAg compounds and its implications L379
Ray S, Kumar A, Majumdar S, Sampathkumaran E V and Sarma D D: Transport and magnetic properties of $\text{Sr}_2\text{FeMo}_x\text{W}_{1-x}\text{O}_6$ 607
Raychaudhuri A K: *see* Bhattacharya D L431
Raymond S G: *see* Townsend P D 2211
Raymond S, Regnault L P, Floquet J, Wildes A and Lejay P: Pressure dependence of the spin dynamics around a quantum critical point: an inelastic neutron scattering study of $\text{Ce}_{0.87}\text{La}_{0.13}\text{Ru}_2\text{Si}_2$ 8303
Raymond S: *see* Boucherle J-X 10901
Raymond S: *see* Demuer A 9335
Raymond S: *see* Wilhelm H L329
Raymond S: *see* Zheludev A R525
Razee S S A, Staunton J B, Ginatempo B, Bruno E and Pinski F J: The effects of magnetic annealing of transition metal alloys deduced from *ab initio* electronic structure calculations 8565
Razee S S A, Staunton J B, Johnson D D,

- Ginatempo B and Bruno E: Correlation of magnetocrystalline anisotropy of $\text{Fe}_{0.5}\text{Pd}_{0.5}$ alloy with chemical order [8153](#)
- Rechenberg H R: *see* Coaquira J A H [8415](#)
- Reddy B V, Deevi S C, Lilly A C and Jena P: Electronic structure of sub-stoichiometric iron aluminide clusters [8363](#)
- Reehuis M: *see* Ohl M [10221](#)
- Reehuis M: *see* Stüßer N [2753](#)
- Reggiani L: *see* Starikov E [7159](#)
- Regnault L P: *see* Raymond S [8303](#)
- Reich S: *see* Sharoni A [L503](#)
- Reichling M: *see* Barth C [2061](#)
- Reichling M: *see* Lindner R [2339](#)
- Reichling M: *see* Puchin V E [2081](#)
- Rejmer K: *see* Kubalski G P [4727](#)
- Ren S F: *see* Qin G G [11751](#)
- Ren Wei: *see* Song Zhitang [155](#)
- Reniewicz H, Andrejczuk A, Dobrzyński L, Żukowski E and Kaprzyk S: Electron momentum density of hexagonal zinc studied by Compton scattering [11597](#)
- Rérat M, Cheng Wen-Dan and Pandey R: First-principles calculations of nonlinear optical susceptibility of inorganic materials [343](#)
- Respaud M: *see* Frontera C [1071](#)
- Reuther H, Behr G and Teresiak A: Determination of the hyperfine parameters of $\alpha\text{-FeSi}_2$ by angle dependent Mössbauer spectroscopy on single crystals [L225](#)
- Reversat L: *see* Abdelmoula N [449](#)
- Reyher H J, Pape M and Hausfeld N: Photoactive Pb^{3+} host lattice ions in photorefractive $\text{Pb}_5\text{Ge}_3\text{O}_{11}$ investigated by magnetic resonance techniques [3767](#)
- Reynolds S: *see* Merazga A [10969](#)
- Reznitchenko L A, Turik A V, Kuznetsova E M and Sakhnenko V P: Piezoelectricity in NaNbO_3 ceramics [3875](#)
- Rhee Choong Kyun: *see* Kang Jun-Gill [2835](#)
- Rhee J Y: *see* Lee Y P [9673](#)
- Ribeiro J L: *see* Lacerda-Arôso M T [2615](#)
- Ricard D: *see* Aarstrand V [735](#)
- Ricci P C: *see* Ursaki V V [4579](#)
- Richter D: *see* Gompper G [9055](#)
- Richter J: *see* Tomczak P [3851](#)
- Ricolleau C: *see* Vasilevskiy M I [3491](#)
- Ridley B K: Energy exchange in 2D electron-electron collisions with dynamic screening [2799](#)
- Ridley B K: *see* Anderson D R [5999](#)
- Riedel M: *see* Ristein J [8979](#)
- Riedi P C: *see* Adroja D T [459](#)
- Rinzler A G: *see* Wein G R [2363](#)
- Ristein J, Riedel M, Maier F, Mantel B F, Stammler M and Ley L: Surface doping: a special feature of diamond [8979](#)
- Ritchie D A: *see* Crook R [L249](#)
- Ritchie D A: *see* Tkachenko O A [9515](#)
- Ritter C: *see* Frontera C [1071](#)
- Ritter C: *see* Kilcoyne S H [5241](#)
- Robbie D A: *see* Grosche E G [2117](#)
- Robinson I K: *see* Vartanyants I A [10593](#)
- Robledo A: *see* Varea C [9075](#)
- Rodrigues S C P, Sipahi G M, Solfaro L M R and Leite J R: Exchange-correlation effects on the hole miniband structure and confinement potential in zinc-blende $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ superlattices [3381](#)
- Rodríguez C O: *see* Peltzer y Blancá E L [9463](#)
- Rodríguez-Coppola H and García-Moliner F: Exchange effects in multisubband plasmons in a quantum well [3139](#)
- Rodríguez-Fernández L: *see* Cheang-Wong J C [10207](#)
- Rodríguez-Martínez L M: *see* Peña A [6535](#)
- Rogl P: *see* Mudryk Ya [7391](#)
- Röhlsberger R: Vibrational spectroscopy of thin films and nanostructures by inelastic nuclear resonant scattering [7659](#)
- Roig A: *see* Navarro J [8481](#)
- Roiz J: *see* Cheang-Wong J C [10207](#)
- Rojo A G: *see* Baker J [5313](#)
- Rojo T: *see* Peña A [6535](#)
- Rolla P A: *see* Pisignano D [4405](#)
- Rolo A G: *see* Vasilevskiy M I [3491](#)
- Romaka L: *see* Mudryk Ya [7391](#)
- Romanov N G: *see* Baranov P G [2651](#)
- Romanowski Z: *see* Krukowski S [8881](#)
- Romero J J: *see* Chen Xueyuan [1171](#)
- Roovers J: *see* Vlassopoulos D [R855](#)
- Rosch A: *see* Wilhelm H [L329](#)
- Rose G and Smirnov A Yu: Effects of nuclear spins on the coherent evolution of a phase qubit [11027](#)
- Rosenbaum R, Hsu S-Y, Chen J-Y, Lin Y-H and Lin J-J: Superconducting fluctuation magnetoconductance in a tungsten carbide film [10041](#)
- Rosenbaum R, Milner A, Haberkern R, Häussler P, Palm E, Murphy T, Hannahs S and Brandt B: Magnetoresistance of an insulating quasicrystalline AlPdRe film in large magnetic fields [3169](#)
- Rosenfeld Y: Quasi-universal melting-temperature scaling of transport coefficients in Yukawa systems [L39](#)
- Roshko R M: *see* Song T [3443](#)
- Roshko R M: *see* Zhao J H [6439](#)
- Ross Jr J H: *see* Lue C S [1585](#)
- Rössler E: *see* Bartoš J [11473](#)
- Rössler E: *see* Pisignano D [4405](#)
- Roth R: *see* Louis A A [L777](#)
- Roubin M: *see* Bedoya C [6453](#)
- Roux C: *see* Livage J [R673](#)

- Roy S K: *see* Mazumder S 5089
- Roy S, Guo Y Q, Venkatesh S and Ali N:
Interplay of structure and transport properties
of sodium-doped lanthanum manganite 9547
- Rozenberg E: *see* Banerjee A 9489
- Ruan W Y, Chan K S and Pun E Y B: Solution of
the Schrödinger equation for two-dimensional
D⁻ centres with correlation functions 1329
- Ruan W Y: *see* Chan K S 5799
- Ruck K, Dörr K, Nenkov K, Müller K-H,
Krabbes G, Schüpp B and Khristov M:
Magnetic and transport properties of
Nd_{0.2}La_{1.8-2x}Sr_{1+2x}Mn₂O₇ ($x = 0.5, 0.4, 0.3$)
and La_{1.5}Sr_{1.5}Mn₂O₇ 1571
- Ruden P P: *see* Farahmand M 10477
- Rüdiger U: *see* Kent A D R461
- Rudra Indranil, Ramasesha S and Sen Diptiman:
An alternate model for magnetization plateaus
in the molecular magnet V₁₅ 11717
- Ruggiero S T and Ekkens T B: Single-electron
tunnelling in few-atom systems: size of single
atoms and geometry of few-atom
clusters 1819
- Rundlof H: *see* Ivanov S A 25
- Ruocco G and Sette F: High-frequency
vibrational dynamics in glasses 9141
- Ruppin R: Surface polaritons of a left-handed
material slab 1811
- Rusakov V S: *see* Tereshina I S 8161
- Rusponi S: *see* Costantini G 5875
- Russo R: *see* Attanasio C 3215
- Ryan D H, Saleema N M, Gagnon R and
van Lierop J: ¹⁷⁰Yb Mössbauer study of the
YbCd_{5.7} binary quasi-crystal and related
phases 10159
- Rybicki A: *see* Rybicki J 9781
- Rybicki J, Rybicki A, Witkowska A,
Bergmański G, Di Cicco A, Minicucci M and
Mancini G: The structure of lead silicate
glasses: molecular dynamics and EXAFS
studies 9781
- Ryu Chang-Mo: *see* Kim Mun Dae 3271
- Ryu Jai Yon: *see* Lee Sang Chil 9535
- Ryu S R: *see* Bruno-Alfonso A 9761
- Ryzhanova N, Dieny B, Lacroix C, Strelkov N,
Bagrets D and Vedyayev A: Giant
magnetoresistance in hybrid
superconductor/ferromagnetic sandwich
heterostructures 4001
- Ryzhov D A: *see* Bystrov A S 6005
- Rzepniewski E: *see* Schrama J M 2235
- Saber M: *see* El Aouad N 797
- Saccone A: *see* Agrestini S 11689
- Saccone A: *see* Bauer E L487
- Saccone A: *see* Bianconi A 7383
- Sacramento P D: *see* Peres N M R 5135
- Sadoc A, Itié J P, Polian A, Kim J Y and
Kelton K F: High-pressure synchrotron
radiation diffraction studies of icosahedral
Ti–Zr–Ni and hydrogenated Ti–Zr–Ni
quasicrystals 8527
- Safarov V I: *see* Shlimak I 6059
- Safta N: Atomic origin of the surface components
in the high-resolution Si 2p core level
spectrum of Si (110) ‘8 × 2’ 6609
- Sage J T, Paxson C, Wyllie G R A, Sturhahn W,
Durbin S M, Champion P M, Alp E E and
Scheidt W R: Nuclear resonance vibrational
spectroscopy of a protein active-site
mimic 7707
- Sahu S N: *see* Nanda K K 2861
- Saida J and Inoue A: Icosahedral quasicrystalline
phase formation in Zr–Al–Ni–Cu glassy alloys
by addition of Nb, Ta and V elements L73
- Saini N L: *see* Agrestini S 11689
- Saini N L: *see* Bianconi A 7383
- Saini N L: *see* Singhal R K 6865
- Saito E, Taknenobu T, Ito T, Iwasa Y, Prassides K
and Arima T: Pressure dependence of T_c in
the MgB₂ super-conductor as probed by
resistivity measurements L267
- Saito H: *see* Yokoyama T 9281
- Saito M: *see* Oda M 11465
- Saito T: *see* Kondo S 11077
- Sakai H, Yoshimura K, Ohno H, Kato H,
Kambe S, Walstedt R E, Matsuda T D,
Haga Y and Ōnuki Y: Superconductivity in a
pyrochlore oxide, Cd₂Re₂O₇ L785
- Sakai S: *see* Harris J J L175
- Sakai T: *see* Nakasu A 7421
- Sakakibara T: *see* Matsuhira K L737
- Sakaue K: *see* Yoneda Y 9575
- Sakhel A R: *see* Pearce J V 4421
- Sakhnenko V P: *see* Reznitchenko L A 3875
- Salce B: *see* Demuer A 9335
- Saldin D K, Harder R J, Shneerson V L and
Moritz W: Phase retrieval methods for
surface x-ray diffraction 10689
- Saldin D K: *see* Heinz K 10647
- Saleema N M: *see* Ryan D H 10159
- Salim M: *see* Gueffaf A 875
- Salje E K H: *see* Calleja M 9445
- Salje E K H: *see* Conti S L847
- Salje E K H: *see* Trachenko K O 1947
- Salje E K H: *see* Zhang Ming 3057
- Salje E K H: *see* Zhigadlo N D 6551
- Salmon P S: *see* Wasse J C 6165
- Salomaa M M: *see* Virtanen S M M L819
- Salter I W: *see* Atkinson R 691
- Salvato M: *see* Attanasio C 3215
- Sambandamurthy G: *see* Das Gupta K 889
- Sambataro M: *see* Catara F L705
- Sambe H: *see* van Bokhoven J A 10247
- Samiji M E, Venter A, Wagener M C and

- Leitch A W R: Hydrogen passivation and reactivation of the Al-acceptors in p-type 6H-SiC [9011](#)
- Sampathkumaran E V: *see* Ray S [607](#)
- Sanamyan T V: *see* Aghamalyan N R [6585](#)
- Sanati M, Albers R C and Pinski F J: ω -phase formation in NiAl and Ni₂Al alloys [5387](#)
- Sánchez D R: *see* Larrea J [L949](#)
- Sánchez F H: *see* Desimoni J [2737](#)
- Sanchez J: *see* Gerald II R E [8269](#)
- Sanchez J-P: *see* Kernavanois N [9677](#)
- Sánchez M C: *see* Blasco J [L729](#)
- Sandiumenge F: *see* Navarro J [8481](#)
- Sang H: *see* Xu Q Y [1851](#), [5047](#)
- Sangster M J L: *see* Grosche E G [2117](#)
- Sankey O F: *see* Fuentes-Cabrera M [1669](#)
- Sankey O F: *see* Soignard E [557](#)
- Sankey Otto F: *see* Demkov A A [10433](#)
- Sansone M: *see* Agrestini S [11689](#)
- Santana R C, Muñoz Santiuste J E, Nunes L A O, Basso H C and Terrile M C: Site selective spectroscopy and crystal field analysis of Er³⁺ in Ca₃Ga₂Ge₃O₁₂ garnet [8853](#)
- Santos C: *see* Meyer D [2531](#)
- Santos I A and Eiras J A: Phenomenological description of the diffuse phase transition in ferroelectrics [11733](#)
- Sanyuan Zhu: *see* Yuzhi Li [6019](#)
- Sanz-García J A: *see* Lira C A [11067](#)
- Sapozhnikov M V: *see* Fraerman A A [683](#)
- Sarma D D: *see* Ray S [607](#)
- Sarrao J L: *see* Nicklas M [L905](#)
- Sarrao J L: *see* Petrovic C [L337](#)
- Sarua A, Monecke J, Irmer G, Tiginyanu I M, Gärtner G and Hartnagel H L: Fröhlich modes in porous III–V semiconductors [6687](#)
- Sasaki J M: *see* Souza Filho A G [7305](#)
- Sasaki T: *see* McDonald R D [L291](#)
- Sasaki J M and Miranda M A R: *see* dos Santos A O [10497](#)
- Sashin V A, Bolorizadeh M A, Kheifets A S and Ford M J: Conduction band electronic structure of metallic beryllium [4203](#)
- Saso T: Iterative perturbation theory for strongly correlated electron systems with orbital degeneracy [L141](#)
- Sato Taku J, Guo Junqing and Tsai An Pang: Magnetic properties of the icosahedral Cd–Mg–rare-earth quasicrystals [L105](#)
- Saunders G A: *see* Cole J M [4105](#), [6659](#)
- Šauša O: *see* Bartoš J [11473](#)
- Savinov M E: *see* Prosandeev S A [719](#), [9749](#)
- Savinov S V: *see* Maslova N S [3941](#)
- Savosta M M: *see* Krupička S [6813](#)
- Sawicki M: *see* Clegg P S [10191](#)
- Saxena S K: *see* Wang Zhongwu [8317](#)
- Şentürk E: *see* Mikailov F A [727](#)
- Schaaf P: *see* Migliorini M [10359](#)
- Scharmman A: *see* Watterich A [1595](#)
- Schattschneider P: *see* Hébert C [3791](#)
- Scheidt E-W: *see* Kaps H [8497](#)
- Scheidt W R: *see* Sage J T [7707](#)
- Schenck A, Andreica D, Gygax F N, Umeo K, Takabatake T, Schreier E, Kratzer A and Kalvius G M: Muon-spin-rotation study of Ce₇Ni₃: muon-related and intrinsic properties of the paramagnetic phase [4277](#)
- Schenck A: *see* Cox S F J [2155](#)
- Scherf U: *see* Schroeder R [L313](#)
- Schilling O F and Ghivelder L: Magnetic impurities in HfNb₂O₅ [11017](#)
- Schlenker C: *see* Beille J [1517](#)
- Schlueter J A: *see* Singleton J [L899](#)
- Schlueter J: *see* Schrama J M [2235](#)
- Schmelcher P: *see* Monozon B S [3727](#)
- Schmeltzer D: Electromagnetic properties of the ‘d’-wave superconductors [1699](#)
- Schmid F, Stadler C and Düchs D: Computer simulations of self-assembled monolayers [8653](#)
- Schmid F: *see* Düchs D [4853](#)
- Schmidt V H: *see* Gvasaliya S N [3677](#)
- Schmidt W: *see* Ohl M [10221](#)
- Schneider B: *see* Ślebarski A [5515](#)
- Schneider J R: *see* Bell F [7905](#)
- Schneider S: Bulk metallic glasses [7723](#)
- Schnelle W and Gmelin E: Heat capacity of germanium crystals with various isotopic composition [6087](#)
- Schnelle W and Kremer R K: Thermodynamic properties and magnetism of Ce₃Cu₃Sb₄ [6387](#)
- Schnelle W: *see* Gibson B J [2593](#)
- Schoen M: *see* Bock H [4697](#)
- Schön F: *see* Watterich A [1595](#)
- Schön J H, Kloc Ch and Batlogg B: Excitation gaps in the fractional quantum Hall effect in tetracene [L163](#)
- Schrama J M, Singleton J, Edwards R S, Ardavan A, Rzepniewski E, Harris R, Goy P, Gross M, Schlueter J, Kurmoo M and Day P: Millimetre-wave measurements of the bulk magnetoconductivity of anisotropic metals: application to the organic superconductors κ -(BEDT-TTF)₂Cu(NCS)₂ and β'' -(BEDT-TTF)₂SF₃CH₂CF₂SO₃ (BEDT-TTF \equiv bis(ethylene-dithio)tetrathiafulvalene) [2235](#)
- Schreier E: *see* Schenck A [4277](#)
- Schreiner W H: *see* Abbate M [5723](#)
- Schroeder R, Ullrich B, Graupner W and Scherf U: Excitation density and photoluminescence studies of polyfluorene excited by two-photon absorption [L313](#)
- Schulenburg J: *see* Tomczak P [3851](#)
- Schülke W: Electronic excitations investigated by inelastic x-ray scattering spectroscopy [7557](#)

- Schultz L: *see* Wimbush S C [L355](#)
Schulze-Briese C: *see* Staub U [11511](#)
Schüpp B: *see* Ruck K [1571](#)
Schut H: *see* Chechenin N G [5937](#)
Schweizer J: *see* Boucherle J-X [10901](#)
Schweizer S, Corradi G, Edgar A and Spaeth J-M:
EPR of Eu^{2+} in BaBr_2 crystals and
fluorobromozirconate glass ceramics [2331](#)
Schweizer and S: *see* Edgar A [6259](#)
Sciortino F and Tartaglia P: Aging in simple
liquids: a numerical study [9127](#)
Sciortino F: *see* Dawson K A [9113](#)
Scolfaro L M R: *see* Rodrigues S C P [3381](#)
Scott J F: *see* O'Sullivan R A [R195](#)
Scrosati B: *see* Chung S H [11763](#)
Secu M: *see* Edgar A [6259](#)
Sedky A: Structural and normal state properties
of the $\text{PrBa}_{2-x}\text{La}_x\text{Cu}_3\text{O}_{7-\delta}$ compound with
($0.00 \leq x \leq 1.00$) [4447](#)
Seemann R, Herminghaus S and Jacobs K:
Gaining control of pattern formation of
dewetting liquid films [4925](#)
Seemann R, Jacobs K and Blossey R: Polystyrene
nanodroplets [4915](#)
Sekhar B R: *see* Singhal R K [6865](#)
Sekine K: *see* Lee C H [L45](#)
Sekkal W and Zaoui A: Molecular dynamics
simulation of superhard phases in RuO_2 [3699](#)
Selinger J V: *see* Kamien R D [R1](#)
Sellmyer D J, Zheng M and Skomski R:
Magnetism of Fe, Co and Ni nanowires in
self-assembled arrays [R433](#)
Sen Diptiman: *see* Rudra Indranil [11717](#)
Sen D: *see* Mazumder S [5089](#)
Sen S and Ghosh A: Ac conductivity of strontium
vanadate semiconducting glasses [1979](#)
Senoh M: *see* Mukai T [7089](#)
Senz V, Heinzl T, Ihn T, Lindemann S, Held R,
Ensslin K, Wegscheider W and Bichler M:
Analysis of the temperature-dependent
quantum point contact conductance in relation
to the metal-insulator transition in two
dimensions [3831](#)
Seo HyoJin: *see* Jang Kiwan [3223](#)
Seol Kwang Soo: *see* Kato H [6541](#)
Seregin N P, Nasredinof F S, Bondarevskii S I,
Ermolaev A V and Seregin P P: The charge
state of copper impurity atoms in AgCl
annealed in vacuum or chlorine [2671](#)
Seregin N P, Nasredinof F S and Seregin P P:
Experimental observation of Cooper pairs in
 $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ by means of the ^{67}Zn
Mössbauer probe [149](#)
Seregin P P: *see* Seregin N P [149](#)
Seregin P P: *see* Seregin N P [2671](#)
Sernelius Bo E: *see* Ferreira da Silva A [8891](#)
Sernelius Bo E: *see* Persson C [8915](#)
Settai R, Shishido H, Ikeda S, Murakawa Y,
Nakashima M, Aoki D, Haga Y, Harima H
and Ōnuki Y: Quasi-two-dimensional Fermi
surfaces and the de Haas-van Alphen
oscillation in both the normal and
superconducting mixed states of
 CeCoIn_5 [L627](#)
Settai R: *see* Nakashima M [L569](#)
Settai R: *see* Tateiwa N [L17](#), [corrigendum 6443](#)
Sette F: *see* Ruocco G [9141](#)
Seubert A: *see* Heinz K [10647](#)
Seviour R: *see* Dolby P [L147](#)
Sferrazza M, Xiao C, Bucknall D G and
Jones R A L: Interface width of
low-molecular-weight immiscible
polymers [10269](#)
Sh Machavariani V: Universality in effective
conductivity of regular 2D and 3D
composites [6797](#)
Shahidzadeh N: *see* Bonn D [4903](#)
Shang Jia-Xiang and Wang Chong-Yu: Electronic
effects of alloying elements Nb and V on
body-centred-cubic Fe grain boundary
cohesion [9635](#)
Shannon N: Kondo atoms, double exchange
molecules, and a novel large S expansion for
the ordered Kondo lattice [6371](#)
Shannon N: *see* Haslinger R [10089](#)
Shao Manjun: *see* Xiao Jingzhong [11567](#)
Shao-Yi Wu: *see* Wen-Chen Zheng [7459](#)
Shaplygina T A: *see* Ko Jae-Hyeon [5449](#)
Shapovalov V: *see* Dyakonov V [4049](#)
Sharma M, Kaur C, Kumar J,
Chandramani Singh K and Jain P C: Phase
transformations in some homologues of
4-n-alkyl-4'-cyanobiphenyls investigated by
positron annihilation spectroscopy [7249](#)
Sharoni A, Millo O, Leitus G and Reich S:
Spatial variations of the superconductor gap
structure in MgB_2/Al composite [L503](#)
Shavrov V G: *see* Khovailo V V [9655](#)
Sheikin I: *see* Demuer A [9335](#)
Sheinerman A G: *see* Ovid'ko I A [7937](#), [9645](#)
Shelton W A: *see* Moghadam N Y [3073](#)
Shen Bao-Gen: *see* Li Run-Wei [141](#), [1973](#)
Shen Bao-gen: *see* Sun Zhi-gang [2001](#)
Shen Bao-Gen: *see* Zhang Wen-Yong [3859](#)
Shen H M: *see* Ying X N [9813](#)
Shen L: *see* Xing H [7139](#)
Shen M Y: *see* Oda M [11465](#)
Shen Y P: *see* Wang J L [1733](#)
Sheng Weidong: Properties of magnetotransport
in three-dimensional quantum-dot
structures [1247](#)
Sheng Zheng-Mao and Chen Xing-Wei: Tunnel
current on a quantum wedge [L349](#)
Sherchenkov A A: *see* Budaguan B G [6615](#)
Shereshevsky I A: *see* Fraerman A A [683](#)
Sheridan B: *see* Martin D S [L607](#)

- Shi B R: *see* Chen F 5893
- Shi Chaoshu: *see* Qi Zeming 11503
- Shi Jing: *see* Tian Mingliang 311
- Shi J: *see* Wang L 9857
- Shi L, Li C, Dong Q and Zhang Y:
Charge-transfer induced by Pb-doping and annealing in Bi-2212 phase superconductor 5195
- Shi Yuanchang: *see* Zhang Chuanjiang L647
- Shiga M and Yamamoto M: Magnetism and phase stability of fcc Fe–Co alloys precipitated in a Cu matrix 6359
- Shiga M: *see* Nakamura H 475
- Shih H L: *see* Asokan K 11087
- Shiktorov P: *see* Starikov E 7159
- Shimamura K: *see* Yamaga M 3461, 10811
- Shimizu H: *see* Baumketner A 10279
- Shimizu T: *see* Taneda A L305
- Shimojo Y: *see* Izumiyama Y 1303
- Shimomura O: *see* Shirotani I 1939
- Shin H K: *see* Lee Y J 8135
- Shirley E L: *see* Soininen J A 8039
- Shirotani I, Kato D, Nishimoto A and Yagi T:
Superconductivity and crystal structure of $ZrRu_{1-x}Rh_xP$ alloys prepared at high pressure 9393
- Shirotani I, Yamanashi K, Hayashi J, Tanaka Y, Ishimatsu N, Shimomura O and Kikegawa T:
Phase transitions of LnAs (Ln = Pr, Nd, Sm, Gd, Dy and Ho) with NaCl-type structure at high pressures 1939
- Shirotani I: *see* Lee C H L45
- Shishido H: *see* Settai R L627
- Shitu J: *see* Peltzer y Blancá E L 9463
- Shlimak I, Safarov V I and Vagner I D:
Isotopically engineered silicon/silicon–germanium nanostructures as basic elements for a nuclear spin quantum computer 6059
- Shluger A L: *see* Barth C 2061
- Shneerson V L: *see* Saldin D K 10689
- Sholl C A: Spectral density functions for quadrupolar nuclear spin relaxation due to translational diffusion 11727
- Sholl C A: *see* McDowell A F 9799
- Shui J P: *see* Zu F Q 11435
- Shundyak K and van Roij R: Isotropic–nematic interfaces of hard-rod fluids 4789
- Shuvalov L A: *see* Gvasaliya S N 3677
- Si Qimiao: *see* Coleman P R723
- Sica G: *see* Polini M 3591
- Sidorov V A: *see* Nicklas M L905
- Sievers A J: *see* FitzGerald S A , 2177
- Sigrist Manfred: *see* Honerkamp Carsten 11669
- Sigrist M: *see* Yamashita Y L961
- Sikka S K: *see* Vijayakumar V 1961
- Silkin N I: *see* Aminov L K 6247
- Silva-Valencia J, Miranda E and dos Santos Raimundo R: Luttinger liquid superlattices L619
- Simili R: *see* Marchetti S 7363
- Simmons M Y: *see* Crook R L249
- Simmons M Y: *see* Tkachenko O A 9515
- Simon A: *see* Bussmann-Holder A L169
- Šimøunek A: *see* Šipr O 8519
- Simula T P: *see* Virtanen S M M L819
- Singh A, Maji S and Nambissan P M G:
Helium–dislocation interaction in aluminium 177
- Singh J: *see* Oh I-K 10851
- Singh S, Dhar S K, Mitra C, Paulose P, Manfrinetti P and Palenzona A: The nature of magnetism in CeScSi and CeScGe 3753
- Singh V A: *see* Ranjan V 8105
- Singhal R K, Dalela S, Chaturvedi D, Dalela B, Saini N L, Sekhar B R, Garg K B, Beaumont V, Mercey B, Chen C T, Lin Hong-Ji and Huo T Y: An electronic structure study of *c*-axis oriented NdBCO (123) thin films using polarized soft x-ray absorption spectroscopy on Cu L₃ and O K edges 6865
- Singleton J, Harrison N, Mielke C H, Schlueter J A and Kini A M: A statistical model for the intrinsically broad superconducting-to-normal transition in quasi-two-dimensional crystalline organic metals L899
- Singleton J: *see* Harrison N L389, L463
- Singleton J: *see* McDonald R D L291
- Singleton J: *see* Mielke C 8325
- Singleton J: *see* Nam M S 2271
- Singleton J: *see* Schrama J M 2235
- Sinha S K: Theory of inelastic x-ray scattering from condensed matter 7511
- Sinha T P: Vibronic coupling effect on Fe²⁺ Mössbauer quadrupole splitting in CsCoCl₃ 7465
- Sinitsyn V E: *see* Ovchinnikov A S 5221
- Sinn H: Spectroscopy with meV energy resolution 7525
- Sipahi G M: *see* Rodrigues S C P 3381
- Sippel A: *see* Isnard O 3533
- Šipr O and Šimøunek A: Interpretation of polarized Cu K x-ray absorption near-edge-structure spectra of CuO 8519
- Šipr O: Site dependence of the local density of unoccupied states—an aid for understanding trends in x-ray absorption fine structure 4291
- Sirvent C: *see* Bauer E D 4495, 5183, 5675
- Sivakumar R, Ramaprabhu S and Rama Rao K V S: Electrical resistivity studies on Zr_xTb_{1-x}Fe₃ (*x* = 0.2, 0.3) hydrides 4155
- Sivakumar R: *see* Anuradha S 11589
- Silvski R: *see* Sellmyer D J R433

- Skorek G, Deniszczyk J, Szade J and Tyszka B:
Electronic structure and magnetism of
ferromagnetic GdTiSi and GdTiGe 6397
- Skorvanek I: *see* Miglierini M 10359
- Skorvanek I: *see* Zhang Z D 1921
- Skripov A V: *see* Foster K 7327
- Slanič Z, Belanger D P and Fernandez-Baca J A:
Scaling properties of the critical behaviour of
the dilute antiferromagnet
 $\text{Fe}_{0.93}\text{Zn}_{0.07}\text{F}_2$ 1711
- Ślebarski A, Neumann M and Schneider B:
Magnetic splitting in x-ray photoelectron
spectroscopy Cr L spectra of Fe_2CrAl ,
 Co_2CrAl and Cu_2CrAl 5515
- Ślebarski A: *see* Bauer E D 4495, 5183
- Ślebarski A: *see* Kowalczyk A 5519
- Slifkin L: Dynamics of self-trapped hole
processes in AgCl 2347
- Sliwczuk U: *see* Wein G R 2363
- Sluiter M: *see* Berne C 9433
- Smirnov A Yu: *see* Rose G 11027
- Smith C G: *see* Crook R L249
- Smith C G: *see* Tkachenko O A 9515
- Smith D Y, Inokuti M and Karstens W: A
generalized Cauchy dispersion formula and
the refractivity of elemental
semiconductors 3883
- Smith F A: *see* Tucker C E 1857
- Smorchkova I P: *see* Xing H 7139
- Sobolev N A: *see* Pereira R N 8957
- Sohn Youngku: *see* Kang Jun-Gill 2835
- Soignard E, Somayazulu M, Dong Jianjun,
Sankey O F and McMillan P F: High
pressure–high temperature synthesis and
elasticity of the cubic nitride spinel
 $\gamma\text{-Si}_3\text{N}_4$ 557
- Soininen J A, Hämäläinen K, Caliebe W A,
Kao C-C and Shirley E L: Core-hole–electron
interaction in x-ray Raman scattering 8039
- Sokolnicki J: *see* Hermanowicz K 5807
- Sokolov S S: *see* Pusep Yu A 10165
- Sokolska I: *see* Hermanowicz K 5807
- Sokołowska Z: *see* Patrykiewicz A 6151
- Sokołowski S: *see* Millan Malo B 1361
- Sokołowski S: *see* Patrykiewicz A 6151
- Soman S S: *see* Das Gupta K 889
- Somayazulu M: *see* Soignard E 557
- Somoza A: *see* Macchi C 5717
- Song B: *see* Cao P-l 5065
- Song K S and Fu Chun-Rong: Relaxation of
excitons in ionic halides: a molecular
dynamics study 2355
- Song T, Roshko R M and Dan Dahlberg E:
Modelling the irreversible response of
magnetically ordered materials: a
Preisach-based approach 3443
- Song T: *see* Zhao J H 6439
- Song Zhitang, Ren Wei, Fu Xiaorong,
Zhu Xiaongrong, Lin Chenlu and Yao Xi:
Influence of Pb excess on the properties of
lead lanthanum titanate ferroelectric thin films
on Pt and LaNiO_3 electrodes 155
- Sonntag R: *see* Krupička S 6813
- Sorkin B: *see* Konsin P 10031
- Soubeyroux J-L: *see* Bedoya C 6453
- Souidi A: *see* Hou M 5365
- Souza Filho A G, Faria J L B, Freire P T C,
Ayala A P, Sasaki J M, Melo F E A,
Mendes Filho J, Araújo E B and Eiras J A:
Pressure-induced phase transitions in Zr-rich
 $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ ceramics 7305
- Spaeth J-M: *see* Edgar A 6259
- Spaeth J-M: *see* Schweizer S 2331
- Sparn G: *see* Nicklas M L905
- Spector H N: *see* Koh Tong San 1485
- Spence J C H: *see* Weierstall U 10665
- Spišák D: *see* Hafner R L239
- Squires M P: *see* Tucker M G 403
- Srinithirawong C and Gehring G A: Tunnelling
from Fe_3O_4 7987
- Staab T E M: *see* Torpo L 6203
- Stahl K: *see* Jiang J Z L515
- Stadler C: *see* Schmid F 8653
- Stammler M: *see* Ristein J 8979
- Stamov V N: *see* Laiho R 1233
- Stankiewicz J, Bartolomé J and Hiroswawa S:
Magnetotransport through the
spin-reorientation transition in $\text{Tm}_2\text{Fe}_{14}\text{B}$ 303
- Starikov E, Shiktorov P, Gružinskis V,
Reggiani L, Varani L, Vaissière J C and
Zhao Jian H: Monte Carlo simulation of
terahertz generation in nitrides 7159
- Starnberg H I: *see* Brauer H E 9879
- Stasyuk I: *see* Pavlenko N I 4081
- Staub U, Schulze-Briese C, Alekseev P A,
Hanfland M, Pascarelli S, Honkimäki V and
Chistyakov Oleg D: Simultaneous
determination of the electronic and chemical
structures in $\text{CeNi}_x\text{Cu}_{5-x}$ at high
pressures 11511
- Staun Olsen J: *see* Waškowska A 2549
- Staunton J B: *see* Razee S S A 8153, 8565
- Stavrou V N, Babiker M and Bennett C R:
Influences of asymmetric quantum wells on
electron–phonon interactions 6489
- Steenstrup S: *see* Waškowska A 2549
- Stefanakis N: Charge current in
ferromagnet–triplet–superconductor
junctions 3643
- Stefanakis N: Tunnelling spectra for
 $(d_{x^2-y^2} + is)$ -wave superconductors versus
tunnelling spectra for $(d_{x^2-y^2} + id_{xy})$ -wave
superconductors 1265
- Stefanucci G: *see* Cini M 1279
- Steglich F: *see* Hossain Z 4535
- Steglich F: *see* Kitaoka Y L79

- Steglich F: *see* Nicklas M [L905](#)
- Steiner M J: *see* Grosche F M [2845](#)
- Steiner M: *see* Stüßer N [2753](#)
- Steinrück H-P: *see* Zharnikov M [10533](#)
- Stepanov A: *see* Perrin C [10231](#)
- Stesmans A and Afanas'ev V V: Electron spin resonance observation of Si dangling-bond-type defects at the interface of (100) Si with ultrathin layers of SiO_x, Al₂O₃ and ZrO₂ [L673](#)
- Stewart S J, Borzi R A, Punte G, Mercader R C and Garcia F: Microstructural and magnetic characterization of nanostructured α -Fe₂O₃ and CuO mixtures obtained by ball milling [1743](#)
- Stirling W G: *see* Pearce J V [4421](#)
- Stockert O: *see* Wilhelm H [L329](#)
- Stocks G M: *see* Faulkner J S [8573](#)
- Stocks G M: *see* Moghadam N Y [3073](#)
- Stoddart P R: *see* Zhang X [2281](#)
- Stojkovic B P: *see* Teber S [4015](#)
- Stoneham A M and Ramos M M D: Mesoscopic modelling of conducting and semiconducting polymers [2411](#)
- Stoneham A M: *see* Itoh N [2201](#), [R489](#)
- Stoneham D: *see* Itoh N [2201](#)
- Stoychev K T and Primatarowa M T: Dispersion effects in exciton-polariton solitons [L183](#)
- Strange P: *see* Petit L [8697](#)
- Strange P: *see* Woods M [8607](#)
- Strässle T, Altorfer F and Furrer A: Crystal-field interactions in the pseudo-ternary compound ErAl_xGa_{2-x} studied by inelastic neutron scattering [6773](#)
- Strelkov N: *see* Ryzhanova N [4001](#)
- Strey R: *see* Gommer G [9055](#)
- Strocov V N: *see* Brauer H E [9879](#)
- Stroscio M A: *see* Komirenko S M [6233](#)
- Strydom A M: *see* du Plessis P de V [8375](#)
- Studer A J: *see* Hofmann M [9773](#)
- Stunault A: *see* Collins S P [1891](#)
- Sturhahn W: *see* Alp E E [7645](#)
- Sturhahn W: *see* Sage J T [7707](#)
- Sturm J: *see* Darnton N [4891](#)
- Stüßer N, Ding Y, Hofmann M, Reehuis M, Ouladdiaf B, Ehlers G, Günther D, Meißner M and Steiner M: Evidence for interpenetrating magnetic structures across an IC-C phase transition in Mn_{0.88}Fe_{0.12}WO₄ [2753](#)
- Subramanian A: *see* Marks L D [10677](#)
- Subías G: *see* Blasco J [L729](#)
- Subías G: *see* García J [3229](#), [3243](#)
- Sufen Zhao, Hanmin Jin, Xuefeng Wang and Yu Yan: Demagnetization curves at different temperatures for single-phase nanocrystalline Nd-Fe-B magnets studied micromagnetically [3865](#)
- Sugakov V I and Vertsimakha G V: Magnetic field dependence of the exciton bandwidth in diluted magnetic semiconductors with quantum wells [5635](#)
- Sugiharto, Yamamoto S, Sumita T and Miyashita A: Preparation of TiO₂-anatase film on Si(001) substrate with TiN and SrTiO₃ as buffer layers [2875](#)
- Suhodoev L V: *see* Fraerman A A [683](#)
- Süllow S: *see* Maksimov I [5487](#)
- Sumita T: *see* Sugiharto [2875](#)
- Sumiyama A, Katayama D, Oda Y, Inada Y, Aoki D, Tokiwa Y, Haga Y and Ōnuki Y: Observation of the Josephson effect in the heavy-fermion superconductor CeIrIn₅ above T_c [L879](#)
- Sun D Y: *see* Liu C S [1873](#)
- Sun Guoya, Zheng Zhiming, Xing D Y, Dong Jinming and Wang Z D: Injection of spin-polarized carriers in ferromagnet/superconductor tunnel junctions [627](#)
- Sun Hong: *see* Lei Jun [3583](#)
- Sun Ji-Rong: *see* Li Run-Wei [141](#), [1973](#)
- Sun L L: *see* Wang L M [5743](#)
- Sun Q, Wang Q, Yu J Z, Ohno K and Kawazoe Y: First-principles studies on pure and doped C₃₂ clusters [1931](#)
- Sun Qing-feng: *see* Zhu Yu [8783](#)
- Sun W H, Zhang J C, Dai L, Chen K M and Qin G G: Gamma-ray irradiation effects on Fourier transform infrared grazing incidence reflection-absorption spectra of GaN films [5931](#)
- Sun Xiao-Guang, Xu Wu, Zhang Sheng-Shui and Angell C A: Polyanionic electrolytes with high alkali ion conductivity [8235](#)
- Sun Xuefeng: *see* Zhao Xia [4303](#)
- Sun Ying-fei: *see* Peng Yan-ze [4123](#)
- Sun Zhi-gang, Zhang Shao-ying, Zhang Hong-wei and Shen Bao-gen: Influence of Mn substitution on the structure and magnetic properties of Sm₂Co₁₇ compounds [2001](#)
- Sun Z: *see* Zhou Y [10001](#)
- Sung J J Y: *see* Jones G D [2127](#)
- Surnev S, Ramsey M G and Netzer F P: Synchrotron radiation applied to the study of heterogeneous model catalyst surfaces [11305](#)
- Suski T: *see* Krukowski S [8881](#)
- Suski W: *see* Tereshina I S [8161](#)
- Suzuki S: *see* Nakamura H [475](#)
- Svane A: *see* Petit L [8697](#)
- Svidzinsky A A: *see* Fetter A L [R135](#)
- Sy H K: *see* Khoo K H [101](#)
- Syassen K: *see* Kunc K [9945](#)
- Symington J A: *see* Nam M S [2271](#)
- Syrbu N N: *see* Ursaki V V [4579](#)

- Syskakis E: *see* Michalopoulou A 11615
- Szade J and Neumann M: Exchange splitting of photoemission lines in GdF_3 and metallic Gd compounds 2717
- Szade J: *see* Skorek G 6397
- Szajek A: Electronic structure of superconducting non-oxide perovskite MgCNi_3 L595
- Szajek A: *see* Kowalczyk A 5519
- Szczygielska A, Burian A and Dore J C: Paracrystalline structure of activated carbons 5545
- Szotek Z, Gyorffy B L, Temmerman W M, Andersen O K and Jepsen O: Quasiparticles in d-wave superconductors within density functional theory 8625
- Szotek Z: *see* Lüders M 8587
- Szotek Z: *see* Petit L 8697
- Szunyogh L: *see* Vernes A 1529
- Szupryczynski P: *see* Wojtowicz A J 9599
- Szymczak H: *see* Dyakonov V 4049
- Szymczak R: *see* Koroleva L I 5901
- Szytuła A, Jaworska-Golab T, Baran S, Penc B, Leciejewicz J, Hofmann M and Zygmunt A: Magnetic structure of HoPd_2Si_2 redefined on the basis of new neutron diffraction data 8007
- Szytuła A: *see* Penc B 4471
- Tadmor R: The London–van der Waals interaction energy between objects of various geometries L195
- Tadros-Morgane R: *see* Hotz R 7953
- Taibi M: *see* Ben Ali A 9663
- Taira N, Wakeshima M and Hinatsu Y: Magnetic properties of iridium pyrochlores $\text{R}_2\text{Ir}_2\text{O}_7$ (R = Y, Sm, Eu and Lu) 5527
- Takabatake T: *see* Hossain Z 4535
- Takabatake T: *see* Schenck A 4277
- Takagi T: *see* Khovailo V V 9655
- Takahashi H: *see* Hashimoto H L529
- Takahashi M: Coherent potential approach to exchange-induced band splitting in diluted magnetic semiconductors under a saturating magnetic field 3433
- Takahashi Y: Quantum spin fluctuation theory of the magnetic equation of state of weak itinerant-electron ferromagnets 6323
- Takahashi Y: *see* Kusawake T 9913
- Takata M: *see* Margadonna S L795
- Takayanagi F: *see* Nakamura H 475
- Takazawa H: *see* Lee C H L45
- Takeda N and Ishikawa M: The effect of La substitution and magnetic field on non-Fermi-liquid behaviour in $\text{CeRu}_4\text{Sb}_{12}$ 5971
- Takeda N: *see* Ishikawa M L25
- Takele S and Hearne G R: Magnetic-electronic properties of FeS and Fe_7S_8 studied by ^{57}Fe Mössbauer and electrical measurements at high pressure and variable temperatures 10077
- Takeshita N: *see* Nakashima M L569
- Takeuchi A Y: *see* Nascimento V P 665
- Takeya M: *see* Miyajima T 7099
- Taknenobu T: *see* Saito E L267
- Taldenkov A N: *see* Belova L M 1103
- Taliercio T, Lefebvre P, Gallart M and Morel A: Optical properties of group-III nitride quantum wells and quantum boxes 7027
- Taliercio T: *see* Zhang X B 7053
- Talik E: *see* Waśkowska A 2549
- Tamura K and Inui M: Structural changes and the metal–non-metal transition in supercritical fluids R337
- Tanabe Y: *see* Iizuka-Sakano T 3031
- Tanaka H: Interplay between wetting and phase separation in binary fluid mixtures: roles of hydrodynamics 4637
- Tanaka I: *see* Ishii T 5757
- Tanaka K: *see* Fujita K 6411
- Tanaka M, Hosokoshi Y, Markosyan A S, Iwamura H and Inoue K: Magnetic properties of layered complexes $[\text{M}(\text{hfac})_2]_3(\text{R})_2$, M = Mn(II) and Cu(II), with trisnitroxide radicals having various metal–radical exchange interactions 7429
- Tanaka S: *see* Wang N L 5463
- Tanaka T: *see* Mori T L423
- Tanaka Y: *see* Shirotani I 1939
- Taneda A, Shimizu T and Kawazoe Y: Stable disordered structures of vanadium clusters L305
- Tang C Q: *see* Xia Z C 4359
- Tang C Q: *see* Yuan S L L509, 5691
- Tang J-C: *see* Cao S 5865
- Tang L-C: *see* Huang Jung Y 10417
- Tang N: *see* Wang J L 1617, 1733
- Tang Shaolong: *see* Zhu Hao 1727
- Tang X: *see* Urbaszek B 2317
- Tang Y J: *see* Li Xiang 3987
- Tani J: *see* Khovailo V V 9655
- Tanibayashi S, Komiyama S and Kawaguchi Y: Absence of activation-type conductivity in narrow quantum Hall bars L689
- Tanner P A, Mak C S K, Pei Zhi-Wu, Liu Yu-Long and Jun Lin: Luminescence of the uranyl-ion-doped elpasolite lattice 189
- Tao R: Super-strong magnetorheological fluids R979
- Tarakanov E A: *see* Afanasjev V P 8755
- Tarassenko S A: *see* Averkiev N S 2517
- Tarasov V P, Muravlev Yu B and Guerman K E: Knight shift, spin–lattice relaxation and electric field gradient in technetium metal 11041
- Tartaglia P: *see* Dawson K A 9113

- Tartaglia P: *see* Sciortino F 9127
- Tateiwa N, Kobayashi T C, Hanazono K, Amaya K, Haga Y, Settai R and Ōnuki 2001 Y: Pressure-induced superconductivity in a ferromagnet UGe₂ [corrigendum 6443](#)
- Tateiwa N, Kobayashi T C, Hanazono K, Amaya K, Haga Y, Settai R and Ōnuki Y: Pressure-induced superconductivity in a ferromagnet UGe₂ [L17](#)
- Tavares M R S and Hai Guo-Qiang: Inelastic light scattering spectra due to coupled plasmon modes in parallel quantum wires [6421](#)
- te Velthuis S G E, Felcher G P, Blomquist P and Wäppling R: Neutron spin rotation in magnetic mirror [5577](#)
- Teber S, Stojkovic B P, Brazovskii S A and Bishop A R: Statistics of charged solitons and formation of stripes [4015](#)
- Tegenfeldt E C/Cox J O: *see* Darnton N [4891](#)
- Tegze M and Faigel G: X-ray holography: theory and experiment [10613](#)
- Teixeira P I C: *see* Chrzanowska A [4715](#)
- Telfer S A: *see* Urbaszek B [2317](#)
- Tellgren R: *see* Ivanov S A [25](#)
- Temmerman W M: *see* Lüders M [8587](#)
- Temmerman W M: *see* Petit L [8697](#)
- Temmerman W M: *see* Szotek Z [8625](#)
- Temmerman W M: *see* Woods M [8607](#)
- Terakura C: *see* Tsujii N [3623](#)
- Terashima T: *see* Tsujii N [3623](#)
- Terauchi H: *see* Yoneda Y [9575](#)
- Terborg R: *see* Driver S M [L601](#)
- Terentjev E M: *see* Hotta A [11453](#)
- Tereshina I S, Gaczyński P, Rusakov V S, Drulis H, Nikitin S A, Suski W, Tristan N V and Palewski T: Magnetic anisotropy and Mössbauer effect studies of YFe₁₁Ti and YFe₁₁ [8161](#)
- Teresiak A: *see* Reuther H [L225](#)
- Terrile M C: *see* Santana R C [8853](#)
- Terzidis O: *see* Nalbach P [1467](#)
- Terzieff P and Tsuchiya Y: Magnetic susceptibility of liquid Ag–Ge, Ag–Sn and Ag–Pb [3573](#)
- Tessier G: *see* Pavlov V V [9867](#)
- Thanh-Hai Dang and Minh-Tien Tran: Correlated hopping in the Falicov–Kimball model: a dynamical mean-field study [5625](#)
- Themlin J-M: *see* Charrier A [L521](#)
- Thibaudau F: *see* Charrier A [L521](#)
- Thomas M F: *see* Case G S [9699](#)
- Thomas N W: *see* Ivanov S A [25](#)
- Thomasson J: *see* Demuer A [9335](#)
- Thompson J D: *see* Nicklas M [L905](#)
- Thompson J D: *see* Petrovic C [L337](#)
- Thorne J R G, Zeng Qinghua and Denning R G: Evidence for a spin-correlated crystal field—two-photon spectroscopy of thulium III in the elpasolite Cs₂NaYCl₆:Tm [7403](#)
- Thornton G: *see* Lindsay R [11207](#)
- Tian H Y, Luo W G, Pu X H, He X Y, Qiu P S, Ding A L, Yang S H and Mo D: Determination of the optical properties of sol–gel-derived Ba_xSr_{1-x}TiO₃ thin film by spectroscopic ellipsometry [4065](#)
- Tian Mingliang, Yue Song, Shi Jing, Li Shiyan and Zhang Yuheng: Magnetotransport and the Shubnikov–de Haas effect in quasi-two-dimensional purple bronze TiMo₆O₁₇ [311](#)
- Tian Y and Jona F: Nanoscale films of δ-Mn on W{001} [1805](#)
- Tien C: *see* Charnaya E V [8775](#)
- Tiginyanu I M: *see* Sarua A [6687](#)
- Tiginyanu I M: *see* Ursaki V V [4579](#)
- Timoshevskii A N, Timoshevskii V A and Yanchitsky B Z: The influence of carbon and nitrogen on the electronic structure and hyperfine interactions in face-centred-cubic iron-based alloys [1051](#)
- Timoshevskii V A: *see* Timoshevskii A N [1051](#)
- Tiong K K: *see* Ho C H [8145](#)
- Tirino L: *see* Farahmand M [10477](#)
- Tixier S: *see* Case G S [9699](#)
- Tkachenko O A, Tkachenko V A, Baksheyev D G, Liang C-T, Simmons M Y, Smith C G, Ritchie D A, Kim Gil-Ho and Pepper M: Coulomb charging effects in an open quantum dot device [9515](#)
- Tkachenko V A: *see* Tkachenko O A [9515](#)
- Többens D M: *see* Maksimov I [5487](#)
- Tocho J O: *see* Torchia G A [6577](#)
- Todorov T N: Time-dependent tight binding [10125](#)
- Todris B M: *see* Kamenev K V [3709](#)
- Toellner T S: *see* Alp E E [7645](#)
- Tojyo T: *see* Miyajima T [7099](#)
- Tokiwa Y: *see* Sumiyama A [L879](#)
- Tokumoto M: *see* Harrison N [L389](#)
- Tokura Y: *see* Pantoja A E [3741](#)
- Tolan M: *see* Prange W [4957](#)
- Toliński T: *see* Kowalczyk A [5519](#)
- Tomberli B, Egelstaff P A, Benmore C J and Neufeind J: Isotopic effects in the structure of liquid methanol: II. Experimental data in Fourier space [11421](#)
- Tomberli B, Egelstaff P A, Benmore C J and Neufeind J: Isotopic quantum effects in the structure of liquid methanol: I. Experiments with high-energy photon diffraction [11405](#)
- Tomczak P, Schulenburg J, Richter J and Ferchmin A R: The ground state of the spin- $\frac{1}{2}$ Heisenberg antiferromagnet on an Archimedean 4–6–12 lattice [3851](#)
- Tomioka Y: *see* Pantoja A E [3741](#)

- Tomiya S: *see* Miyajima T 7099
- Tomuta D G, Ramakrishnan S, Nieuwenhuys G J and Mydosh J A: The magnetic susceptibility, specific heat and dielectric constant of hexagonal YMnO_3 , LuMnO_3 and ScMnO_3 4543
- Toomes R L: *see* Driver S M L601
- Topolov V Yu and Turik A V: A new monoclinic phase and features of stress relief in $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ solid solutions L771
- Topp K A: *see* Nalbach P 1467
- Torchia G A, Martinez Matos O, Vaveliuk P and Tocho J O: Electron–lattice coupling in congruent Co-doped $\text{LiNbO}_3:\text{Cr}^{3+}:\text{ZnO}$ crystal 6577
- Torpo L, Marlo M, Staab T E M and Nieminen R M: Comprehensive *ab initio* study of properties of monovacancies and antisites in 4H-SiC 6203
- Torres V J B: *see* Pinho N M C 8951
- Tosello C: *see* Checchetto R 811
- Tosi M P: *see* Polini M 3591
- Totsuji H: *see* Chihara J 7183
- Totsuka K: *see* Nakasu A 7421
- Toupet L: *see* Rabiller P 1653
- Townsend P D, Jazmati A K, Karali T, Maghrabi M, Raymond S G and Yang B: Rare-earth-size effects on thermoluminescence and second-harmonic generation 2211
- Townsend P D: *see* Maghrabi M 2497, 5817
- Townsley C M: *see* Urbaszek B 2317
- Toyooka S: *see* Yoshida S 6741
- Trachenko K O, Dove M T and Salje E K H: Atomistic modelling of radiation damage in zircon 1947
- Trassoudaine A: *see* Cadoret R 6893
- Trepakov V A: *see* Prosandeev S A 719
- Trepakov V A: *see* Prosandeev S A 9749
- Trinh Nguyen Manh: *see* Van Lien Nguyen 2563
- Trinkl W: *see* Kaps H 8497
- Trinkler L and Berzina B: Radiation induced recombination processes in AlN ceramics 8931
- Tristan N V: *see* Tereshina I S 8161
- Tritt T M: *see* Xia Y 77
- Trodahl H J: *see* Pantoja A E 3741
- Trovarelli O: *see* Kitaoka Y L79
- Troć R: *see* du Plessis P de V 8375
- Tsai An Pang: *see* Sato Taku J L105
- Tsai M-H: *see* Asokan K 11087
- Tschentscher T and McCarthy J: *see* Kernavainis N 9677
- Tsironis G P: *see* Voulgarakis N K 9821
- Tsuboi Taiju: *see* Grinberg M 743
- Tsuboi T: *see* Di Paolo R E 7999
- Tsuchiya Y: *see* Terzieff P 3573
- Tsujii N, Terashima T, Terakura C, Kido G, Kawabata T, Yoshimura K and Kosuge K: Low-temperature resistivity of $\text{YbCu}_{5-x}\text{Au}_x$ under magnetic fields 3623
- Tsukushi I: *see* Mitra S 8455
- Tu C W: III–N–V low-bandgap nitrides and their device applications 7169
- Tu Chaoyang: *see* Brenier A 4097
- Tu Chaoyang: *see* Chen Xueyuan 1171
- Tu F: *see* Yuan S L L509, 5691
- Tu Q Y: *see* Chen X L L723
- Tucker C E, Smith F A and Coleman P G: Organo-metallic interfaces studied by positron annihilation spectroscopy 1857
- Tucker M G, Squires M P, Dove M T and Keen D A: Dynamic structural disorder in cristobalite: neutron total scattering measurement and reverse Monte Carlo modelling 403
- Tung Y-S: *see* Ueda A 5535
- Turek I: *see* Khmelevskiy S 8405
- Turek I: *see* Kudrnovský J 8539
- Turik A V and Khasabov A G: Relaxation kinetics in virtual ferroelectrics: (K, Li)TaO₃ crystals 1323
- Turik A V: *see* Reznitchenko L A 3875
- Turik A V: *see* Topolov V Yu L771
- Turkin A A, Dubinko V I, Vainshtein D I and den Hartog H W: Kinetics of back reaction between radiolytic products initiated by radiation-induced voids in NaCl 203
- Tuthill G F: *see* Gvasaliya S N 3677
- Twitchen D J, Newton M E, Baker J M, Anthony T R and Banholzer W F: An annealing study of the R1 EPR centre (the nearest-neighbour di-(100)-split self-interstitial) in diamond 2045
- Tyszka B: *see* Skorek G 6397
- Tzamalīs G, Zaidi N A, Homes C C and Monkman A P: Infrared optical properties of polyaniline doped with 2-acrylamido-2-methyl-1-propanesulfonic acid (AMPSA) 6297
- Uchida S: *see* Miyajima T 7099
- Ueda A, Mu R, Tung Y-S, Wu M H, Zavalin A, Wang P W and Henderson D O: Optically measured diffusion constants of oxygen vacancies in MgO 5535
- Ueda K: *see* Yamashita Y L961
- Ueno C: *see* Lee C H L45
- Uhrberg R I G: High-resolution core-level spectroscopy of $\text{Si}(100)c(4 \times 2)$ and some metal-induced $\text{Si}(111)\sqrt{3} \times \sqrt{3}$ surfaces 11181
- Ujfalussy B: *see* Faulkner J S 8573
- Ullrich B: *see* Schroeder R L313
- Umeo K: *see* Schenck A 4277

- Umetsu R Y: *see* Miyakawa M 3809
 Ummat P K: *see* Barati M 2955
 Urbaszek B, Morhain C, Bradford C, O'Donnell C B, Telfer S A, Tang X, Balocchi A, Prior K A, Cavenett B C, Townsley C M and Nicholas R J: Excitons with large binding energies in MgS/ZnSe/MgS and ZnMgS/ZnS/ZnMgS quantum wells 2317
 Ursaki V V, Tiginyanu I M, Ricci P C, Anedda A, Foca E V and Syrbu N N: Temperature dependence of Raman scattering in porous gallium phosphide 4579
 Uwe Hiromoto: *see* Prijamboedi B 1551
 Uwe H: *see* Abe H 3257
- Vagner I D: *see* Shlimak I 6059
 Vainas B: *see* Almond D P L361
 Vainshtein D I: *see* Turkin A A 203
 Vaissière J C: *see* Starikov E 7159
 Vaks V G: *see* Pankratov I R 6031
 Valbusa U: *see* Costantini G 5875
 Valerio M E G: *see* Jackson R A 2147
 Vallabhan C P G: *see* George N A 365
 Valladares R M: *see* Jestädt Th 2263
 Vamvakopoulos E and Evangelakis G A: Dynamical behaviour and size dependence of 2D copper islands on the Cu(111) surface: a molecular dynamics study 10757
 van Bokhoven J A, Koningsberger D C and Ramaker D E: The interaction of aromatic molecules with the acid site in zeolite H-Beta as observed through a newly discovered Fano resonance at the Al K edge 10383
 van Bokhoven J A, Nabi T, Sambe H, Ramaker D E and Koningsberger D C: Interpretation of the Al K- and L_{II/III}-edges of aluminium oxides: differences between tetrahedral and octahedral Al explained by different local symmetries 10247
 van der Kolk E, Dorenbos P and van Eijk C W E: Vacuum ultraviolet excitation of ¹S₀ and ³P₀ emission of Pr³⁺ in Sr_{0.7}La_{0.3}Al_{11.7}Mg_{0.3}O₁₉ and SrB₄O₇ 5471
 van der Laan G: Determination of the element-specific magnetic anisotropy in thin films and surfaces 11149
 van Eck E R H: *see* Cole J M 4105
 van Eijk C W E: *see* Andriessen J 5611, 10507
 van Eijk C W E: *see* van der Kolk E 5471
 Van Hove M A: *see* Fadley C S 10517
 van Laarhoven H A: *see* Auret F D 8989
 Van Lien Nguyen and Trinh Nguyen Manh: Electric field effects on the binding energy of hydrogen impurities in quantum dots with parabolic confinements 2563
 van Lierop J: *see* Ryan D H 10159
- Van Meirhaeghe R L: *see* Versluys J 5709
 van Roij R: *see* Shundyak K 4789
 van Smaalen S, Lam E J and Lüdecke J: Structure of charge-density wave in (TaSe₄)₂I 9923
 van Veen A: *see* Chechenin N G 5937
 Vanacken J: *see* Frontera C 1071
 Vandormael D, Grandjean F, Hautot D and Long G J: Mössbauer spectral evidence for rhombohedral symmetry in R₃Fe₅O₁₂ garnets with R = Y, Eu and Dy 1759
 Vanitha P V and Rao C N R: An investigation of the re-entrant ferromagnetic transition in rare earth manganates in the regime of competing charge-ordering and ferromagnetic interactions 11707
 Varani L: *see* Starikov E 7159
 Varea C and Robledo A: Theory of interfacial bending constants 9075
 Varret F: *see* Enachescu C 2481
 Varret F: *see* Klokishner S 595
 Vartanyants I A and Robinson I K: Partial coherence ts on the imaging of small crystals using x-ray diffraction 10593
 Vasco E, Zaldo C and Vázquez L: Growth evolution of ZnO films deposited by pulsed laser ablation L663
 Vasil'chenko E: *see* Lushchik Ch 6133
 Vasilevskiy M I, Rolo A G, Gomes M J M, Vikhrova O V and Ricolleau C: Impact of disorder on optical phonons confined in CdS nano-crystallites embedded in a SiO₂ matrix 3491
 Vasilopoulos P: *see* Debray P 3389
 Vasilopoulos P: *see* Kushwaha M S 10105
 Vasilopoulos P: *see* Zhang Zhongxi 1539
 Vasko F T, Hernández-Cabrera A and Aceituno P: Quantum beats induced by an ultra-short excitation in a two-miniband superlattice 7283
 Vasquez R P, Jung C U, Kim J Y, Park Min-Seok, Kim Heon-Jung and Lee Sung-Ik: X-ray photoemission study of the infinite-layer cuprate superconductor Sr_{0.9}La_{0.1}CuO₂ 7977
 Vaveliuk P: *see* Torchia G A 6577
 Vazquez G: *see* Maghrabi M 2497
 Vázquez L: *see* Vasco E L663
 Vedyayev A: *see* Ryzhanova N 4001
 Veira J A: *see* Carballeira C 9271
 Velasco P, Alonso J A, Martínez-Lope M J, Casais M T, Martínez J L and Fernández-Díaz M T: Synthesis and properties of Tl₂Mn_{2-x}Ti_xO₇ pyrochlores with colossal magnetoresistance 10991
 Velasco V R: *see* Pérez-Álvarez R 3689
 Venger E F: *see* Goncharenko A V 8217
 Vengrenovich R D, Gudyma Yu V and Nikirsa D D: Kinetics of the photoinduced phase transition at the surface of a

- semiconductor with renormalized bandgap 2947
- Venkatesh S: *see* Roy S 9547
- Venter A: *see* Samiji M E 9011
- Vergés J A: *see* Louis E 2935
- Verkerk P: Dynamics in liquids 7775
- Vernes A, Szunyogh L and Weinberger P: A numerically improved computational scheme for the optical conductivity tensor in layered systems 1529
- Versluys J, Poelman D, Wauters D and Van Meirhaeghe R L: Photoluminescent and structural properties of CaS:Pb electron beam deposited thin films 5709
- Vertsimakha G V: *see* Sugakov V I 5635
- Viana B: *see* Ben Ali A 9663
- Viana B: *see* Haumesser P-H 5427
- Vidal B: *see* Putero-Vuaroqueaux M 3969
- Vidal F: *see* Carballeira C 2573, 9271
- Vijayakumar V, Garg A B, Godwal B K and Sikka S K: Pressure induced phase transitions and equation of state of adamantane 1961
- Vikhnin V S: *see* Baranov P G 2651
- Vikhrova O V: *see* Vasilevskiy M I 3491
- Vilchik H and Berkovits R: Plastic flow of persistent currents in strongly interacting systems: manifestations of the few-channel characteristics 6499
- Villalba Víctor M: *see* Pino Ramiro 11651
- Villamil P, Beltrán C and Porras-Montenegro N: Magnetoexciton binding energies in a quantum wire 4143
- Vilão R C: *see* Cox S F J 9001
- Vilão R C: *see* Gil J M L613
- Vinoslavskii M, Kravchenko A and Annin V: High-field autotolitons in photogenerated electron-hole plasma in p-Si 11623
- Virtanen A: *see* Alanko T 10777
- Virtanen S M M, Simula T P and Salomaa M M: Comparison of mean-field theories for vortices in trapped Bose-Einstein condensates L819
- Visser D: *see* Watts I D 2225
- Vitiello R: *see* Bernini U 1141
- Vivien D: *see* Haumesser P-H 5427
- Vlachos D, Craven A J and McComb D W: The influence of dopant concentration on the oxygen K-edge ELNES and XANES in yttria-stabilized zirconia 10799
- Vladimirov G G: *see* Magkoev T T L655
- Vlassopoulos D, Fytas G, Pakula T and Roovers J: Multiarm star polymers dynamics R855
- Vogl G and Hartmann M: Diffusion studies with synchrotron radiation 7763
- Vogt H: Soft-mode splitting in the low-temperature phase of $K_{1-x}Li_xTaO_3$: a comparative Raman and hyper-Raman study 4313
- Vogt O: *see* Kernavanois N 9677
- Vogt T: *see* Kennedy B J L925
- Vogt T: *see* Moussa S M L203
- Voice A M: *see* Whiting C J 1381
- Voitländer J: *see* Deng M 8551
- Völkel G: *see* Banys J 1773
- Völkel G: *see* Mulla-Osman S 1119
- Vollhardt D: *see* Pruschke Th 9455
- Volokitin A I and Persson B N J: The frictional drag force between quantum wells mediated by a fluctuating electromagnetic field 859
- Voloshinovskii A, Myagkota S, Gloskovskii A and Gaba V: Spectral luminescence parameters of CsPbCl₃ nanocrystals dispersed in perovskite-like matrix 8207
- von Ferber C: *see* Jusufi A 6177
- von Grünberg H H and Mbamala E C: Charged colloids near interfaces 4801
- Voulgarakis N K, Henning D, Gabriel H and Tsironis G P: Polaronic electron transfer in β -sheet protein models 9821
- Wachowicz E and Kiejna A: Bulk and surface properties of hexagonal-close-packed Be and Mg 10767
- Waerenborgh J C, Figueiredo F M, Frade J R, Colomer M T and Jurado J R: Fe⁴⁺ content and ordering of anion vacancies in partially reduced AFe_xTi_{1-x}O_{3-y} (A = Ca, Sr; $x \leq 0.6$) perovskites. An ⁵⁷Fe Mössbauer spectroscopy study 8171
- Wagener M C: *see* Samiji M E 9011
- Wagner M: *see* Herfort U 3297
- Wagner S: *see* Miglierini M 10359
- Wakai H: The phase separation due to A-site-cation size mismatch in La_{0.5}Ca_{0.5-x}Ba_xMnO₃ 1627
- Wakeshima M: *see* Izumiyama Y 1303
- Wakeshima M: *see* Taira N 5527
- Walker I R: *see* Grosche F M 2845
- Wallace D C: *see* Chisolm E D R739
- Walstedt R E: *see* Sakai H L785
- Wan J T K: *see* Lei Jun 3583
- Wan J T K: *see* Lo C K 1315
- Wang Baolin, Yin Shuangye, Wang Guanghou and Zhao Jijun: Structures and electronic properties of ultrathin titanium nanowires L403
- Wang Bingshen: *see* Liu Baoli 8467
- Wang C Y: *see* Yang R 4485
- Wang Chengjian: *see* Liu Yihua 2009
- Wang Chong-Yu: *see* Niu Yuan 4267
- Wang Chong-Yu: *see* Shang Jia-Xiang 9635
- Wang D L: *see* Cao J X L271
- Wang F W: *see* Zhang X X L747
- Wang F W: *see* Zhang Z D 1921
- Wang Fangwei: *see* Zhang Jun 917

- Wang Guanghou: *see* Wang Baolin L403
Wang Guanghou: *see* Wang Jinlan L753
Wang Guanghui and Guo Kangxian: Excitonic effects on the third-harmonic generation in parabolic quantum dots 8197
Wang Guozhong: *see* Hu Xinhua L835
Wang H Y: *see* He Y J 2467
Wang H-Q: *see* Zheng J-C 5295
Wang H: *see* Li Xiang 3987
Wang H: *see* Zhu Y 787
Wang J G: *see* Pan M X L589
Wang J L, Shen Y P, Yang C P, Tang N, Fuquan B, Yang D, Wu G H and Yang F M: Spin reorientation and magnetohistory of DyFe_{12-x}Nb_x compounds 1733
Wang J L, Tang N, Fuquan B, Wang W H, Wang W Q, Wu G H and Yang F M: A study of the magnetocrystalline anisotropy of RFe_{11-x}Co_xTi compounds with R = Y and Er 1617
Wang J P: *see* Zhang L H 2989
Wang J-T: *see* Ding S-J 6595
Wang Jian-Tao: *see* Chui S T L49
Wang Jinlan, Wang Guanghou and Zhao Jijun: Density functional study of beryllium clusters, with gradient correction L753
Wang Jun-Zhong: *see* Hu Zhan-Ning L215
Wang Jun: *see* Xu Ming 2891
Wang K M: *see* Chen F 5893
Wang K X and Ye Z: Collective behaviour in electrical dipolar systems 8031
Wang L M, Zhan Z J, Liu J, Sun L L, Li G and Wang W K: Compression behaviour of Pd₃₉Ni₁₀Cu₃₀P₂₁ bulk metallic glass up to 23.5 GPa 5743
Wang L X, Kong X J, Li Y X and Xie S J: The effect of magnetic field on the ground and excited states of the two-dimensional D⁻ centre 8765
Wang L, Wang X, Huang X, Li Z, Ma Z, Zhang L, Bao Y, Shi J, Li W, Huang X, Xu J and Chen K: Interface confinement and local structure in nc-Si/a-SiN_x multilayers (nc ≡ nanocrystalline, a ≡ amorphous) 9857
Wang Lei: *see* Zhao Xia 4303
Wang Limin: *see* Li Chunfei L803
Wang L: *see* Cao S 5865
Wang N L, Mori H, Tanaka S, Dong J and Clayman B P: Far-infrared study of the insulator–metal transition in θ -(BEDT-TTF)₂RbZn(SCN)₄ (BEDT-TTF ≡ bis(ethylene-dithio)tetrathiafulvalene) 5463
Wang P W: *see* Ueda A 5535
Wang Qi-ming: *see* Yu Rong L559
Wang Qiang, Chen Xiu-Mei and Lu Kun-Quan: Concentration and temperature dependence of the electrical resistivity of liquid gallium–antimony alloys 8445
Wang Q: *see* Sun Q 1931
Wang S H: *see* Qin G G 11751
Wang S Q: *see* Zhao S J 8061
Wang Shan-Ying: *see* Niu Yuan 4267
Wang T: *see* Harris J J L175
Wang T: *see* Jiang Q 5503
Wang W H, Chen J L, Gao S X, Wu G H, Wang Z, Zheng Y F, Zhao L C and Zhan W S: Effect of low dc magnetic field on the premartensitic phase transition temperature of ferromagnetic Ni₂MnGa single crystals 2607
Wang W H: *see* Pan M X L589
Wang W H: *see* Wang J L 1617
Wang W K: *see* Wang L M 5743
Wang W M: *see* Liu J-M L153
Wang W N: *see* Li Xiang 3987
Wang W Q: *see* Wang J L 1617
Wang X M: *see* Di Paolo R E 7999
Wang X P and Fang Q F: Low-frequency internal friction study of oxide-ion conductor La₂Mo₂O₉ 1641
Wang X: *see* Wang L 9857
Wang X: *see* Zhou Y 10001
Wang Y L and Lai M Y: Formation of surface magic clusters: a pathway to monodispersed nanostructures on surfaces R589
Wang Y M: *see* Yang R 4485
Wang Y N: *see* Ying X N 9813
Wang Yang: *see* Faulkner J S 8573
Wang Yang: *see* Moghadam N Y 3073
Wang Y: *see* Chung S H 11763
Wang Z D: *see* Sun Guoya 627
Wang Z H, Aruna S A, Yang T, Ding S Y, Cao X W and Fang J: Role of nanometer PrBCO layers in (YBa₂Cu₃O<sub>7- δ)₂₄/(PrBa₂Cu₃O<sub>7- δ)₂ multilayer film 6649
Wang Z H: *see* Ding S Y 6509
Wang Z H: *see* Zhang Y H 2583
Wang Z M: *see* Wu J X 8725
Wang Z Z: *see* Lin Z S R369
Wang Zheng: *see* Qi Zeming 11503
Wang Zhenlin: *see* Fang Anan 8489
Wang Zhi-Hong: *see* Li Run-Wei 141
Wang Zhi-Hong: *see* Li Run-Wei 1973
Wang Zhongwu, Saxena S K, Pischedda V, Liermann H P and Zha C S: X-ray diffraction study on pressure-induced phase transformations in nanocrystalline anatase/rutile (TiO₂) 8317
Wang Z: *see* Wang W H 2607
Wäppling R: *see* Kalska B 2963
Wäppling R: *see* te Velthuis S G E 5577
Ward R C C: *see* Clegg P S 10175, 10191
Warren M C: *see* Milman V 241, 5585
Wasicki J: *see* Ecolivet C 6563</sub></sub>

- Wąsicki J: *see* Małuszyńska H 11053
- Waškowska A, Gerward L, Staun Olsen J, Steenstrup S and Talik E: CuMn₂O₄: properties and the high-pressure induced Jahn–Teller phase transition 2549
- Wasse J C, Petri I and Salmon P S: Structure of glassy AsTe: the effect of adding a small quantity of Cu or Ag 6165
- Watmough M: *see* Ellerby M 4221
- Watterich A, Kovács L, Würz R, Schön F, Hofstaetter A and Scharmann A: Electron spin-resonance (ESR) and electron–nuclear double-resonance (ENDOR) study of the self-trapped hole in ZnWO₄ single crystals 1595
- Watts I D, Carling S G, Day P and Visser D: Muon spin relaxation studies of magnetic ordering in the molecular-based ferrimagnets PPh₄Mn^{II}Fe^{III}(C₂O₄)₃ and (n-C₄H₉)₄NFe^{II}Fe^{III}(C₂O₄)₃ 2225
- Wauters D: *see* Versluys J 5709
- Weaire D: *see* Cox S J 4863
- Weatherly G C: *see* Janghorban K 8661
- Weber M: *see* Farahmand M 10477
- Wee A T S: *see* Zheng J-C 5295
- Wegscheider W: *see* Senz V 3831
- Wei Aixiang: *see* Zhang Haiyan 2883
- Wei C M: *see* Chang C M L321, 10709
- Wei Yaguang: *see* Qi Zeming 11503
- Weidinger A: *see* Gil J M L613
- Weierstall U, Hembree G G and Spence J C H: New approaches to the imaging of surface potentials 10665
- Weightman P: *see* Martin D S L607, 9847
- Weihong Zheng, Oitmaa J, Hamer C J and Hubbard R J: Numerical studies of the two-leg Hubbard ladder 433
- Wein G R, Hamilton D S, Sliwczuk U, Rinzler A G and Bartram R H: Two-photon excitation spectroscopy of Cr³⁺:K₂NaScF₆ elpasolite: I. Experimental aspects 2363
- Wein G R: *see* Bartram R H 2377
- Weinberger P: *see* Kudrnovský J 8539
- Weinberger P: *see* Vernes A 1529
- Weis T: *see* Lipperheide R 3347
- Wells J-P R, Bradley I V, Jones G D and Pidgeon C R: Population dynamics of H⁻ local modes in CaF₂:Lu³⁺ crystals studied using a free-electron laser 2137
- Wells J-P R: *see* Jones G D 2127
- Wells K: *see* Estreicher S K 6271
- Wells M R: *see* Clegg P S 10175, 10191
- Wen G H: *see* Zhang X X L747
- Wen G H: *see* Zhang Z D 1921
- Wen Z: *see* Jiang Q 5503
- Wen-Chen Zheng, Shao-Yi Wu and Jian Zi: Theoretical studies of the *g*-shift for Cr⁴⁺ ions in GaN crystal from crystal-field and charge-transfer mechanisms 7459
- Wermuth M and Güdel H U: Luminescence spectroscopy and NIR to VIS upconversion of Cs₂GeF₆: 2% Re⁴⁺ 9583
- Wery J: *see* El Maliki H 1839
- Weschke E and Kaindl G: Magnetic exchange splitting in lanthanide metals 11133
- White M E: *see* O'Donnell K P 6977
- Whiting C J, Voice A M, Olmsted P D and McLeish T C B: Shear modulus of polyelectrolyte gels under electric field 1381
- Wieczorek W: *see* Chung S H 11763
- Wildes A: *see* Raymond S 8303
- Wildner M: *see* Andrut M 7353
- Wilhelm H, Raymond S, Jaccard D, Stockert O, Löhneysen H v and Rosch A: Pressure-induced residual resistivity anomaly in CeCu₅Au L329
- Wilhelm H: *see* Jaccard D L89
- Wilkinson M: A new quantum model for Ohmic dissipation 8087
- Wilkinson M: Absorption of energy at a metallic surface due to a normal electric field 2901
- Willander M: *see* Averkiev N S 2517
- Wille U: *see* Lipperheide R 3347
- Williams G P: IR investigations of surfaces and adsorbates 11367
- Williams G V M: *see* Edgar A 6259
- Williams G: *see* Zhao J H 5785, 6439, 9349
- Williams R T: *see* Lindner R 2339
- Wilson J A: Developments in the negative-*U* modelling of the cuprate HTSC systems R945
- Wilson M: *see* Castiglione M J 51
- Wilson N T: *see* Ewels C P 8965
- Wimbush S C, Häse K, Schultz L and Holzappel B: Epitaxial *a*-axis and *c*-axis oriented growth of YNi₂B₂C thin films L355
- Winkelmann J: The liquid–vapour interface of pure fluids and mixtures: application of computer simulation and density functional theory 4739
- Winter H: *see* Petit L 8697
- Wisniewski D: *see* Wojtowicz A J 9599
- Wisniewski K: *see* Koepke Cz 2701
- Witkowska A: *see* Rybicki J 9781
- Wojtaś M, Bator G, Jakubas R and Zaleski J: Crystal structure and dielectric properties of the [(CH₃)₂NH₂]₃Sb_{2(1-x)}Bi_{2x}Cl₉ (DMACAB) mixed crystals 8831
- Wojtowicz A J, Szupryczynski P, Wisniewski D, Glodo J and Drozdowski W: Electron traps and scintillation mechanism in LuAlO₃:Ce 9599
- Wolska A, Bacewicz R, Filipowicz J and Attenkofer K: X-ray absorption near-edge structure of selenium in the Cu–In–Se system 4457
- Won Seok-Jae: *see* Kang Jun-Gill 2835

- Wong S P: *see* Zhang Haiyan 2883
- Wood A J: *see* Parry A O 4591
- Woodruff D P, Baumgärtel P, Hoelt J T, Kittel M and Polcik M: Direct methods in photoelectron diffraction; experiences and lessons learnt based on the use of the projection method 10625
- Woodruff D P: *see* Driver S M L601
- Woods M, Ernstad A, Strange P and Temmerman W M: *Ab initio* relativistic spin-polarized theory of angle-resolved photoemission 8607
- Wu Baichang: *see* Brenier A 4097
- Wu Chunyan: *see* Zhang Haiyan 2883
- Wu G H: *see* Wang J L 1617, 1733
- Wu G H: *see* Wang W H 2607
- Wu G Y and Jan W: Theoretical study of magnetoresistance for granular metals in the hopping regime 9739
- Wu G Y: *see* Jan W 10925
- Wu J X, Li F Q, Zhu J S, Wang Z M, Ji M R and Ma M S: The annealing behaviour of a Cs₂O/GaAs(110) surface studied by electron spectroscopy 8725
- Wu L: *see* Chen X L L723
- Wu M H: *see* Ueda A 5535
- Wu R R: *see* Charnaya E V 8775
- Wu S Y: *see* Lue C S 1585
- Wu Si: *see* Zhang Chuanjiang L647
- Wu Weimin: *see* Hu Xinhua L835
- Wu Wenbin: *see* Zhao Xia 4303
- Wu X F: *see* Ding S Y 6509
- Wu X F: *see* Zhang Y H 2583
- Wu Y C: *see* Lin Z S R369
- Wu Y-F: *see* Xing H 7139
- Wu Youshi: *see* Zhang Chuanjiang L647
- Wu Youshi: *see* Zhang Lin 5947
- Wu Z, Benfield R E, Guo L, Li H, Yang Q, Grandjean D, Li Q and Zhu H: Cerium oxide nanoparticles coated by surfactant sodium bis(2-ethylhexyl) sulphosuccinate (AOT): local atomic structures and x-ray absorption spectroscopic studies 5269
- Wu Zhonghua: *see* Xu Ming 2891
- Würger A: *see* Nalbach P 1467
- Würz R: *see* Watterich A 1595
- Wyllie G R A: *see* Sage J T 7707
- Xia Jian-Bai: *see* Li Jingbo 2033
- Xia Junchao: *see* Liu C S 1873
- Xia Shangda: *see* Chen Houtong 1151
- Xia Y, Ponnambalam V, Bhattacharya S, Pope A L, Poon S J and Tritt T M: Electrical transport properties of TiCoSb half-Heusler phases that exhibit high resistivity 77
- Xia Z C, Tang C Q and Zhou D X: Near-Debye relaxation processes in La_{1-x}Sr_xMnO₃ 4359
- Xiao C: *see* Sferrazza M 10269
- Xiao Jingzhong, Shao Manjun, Hang Yin and Yin Shaotang: Observation of three-dimensional domain configurations in 0.92Pb(Zn_{1/3}Nb_{2/3})O₃-0.08PbTiO₃ crystal by environmental scanning electron microscopy 11567
- Xiao Mufei and Bozhevolnyi S I: Resonant field enhancement by a finite-size periodic array of surface scatterers 3001
- Xiao Xu-rui: *see* Li Jingbo 2033
- Xie Hongwei: *see* O'Dwyer S 2395
- Xie S J: *see* Wang L X 8765
- Xie W H and Xue D S: A first-principles study of MgB₂: the effect of pressure and substitution 11679
- Xie Wenfang: Binding energy of biexcitons in quantum dots 3149
- Xing D Y: *see* Dong Z C 3839
- Xing D Y: *see* Jiang X F 6519
- Xing D Y: *see* Sun Guoya 627
- Xing H, Keller S, Wu Y-F, McCarthy L, Smorchkova I P, Buttari D, Coffie R, Green D S, Parish G, Heikman S, Shen L, Zhang N, Xu J J, Keller B P, DenBaars S P and Mishra U K: Gallium nitride based transistors 7139
- Xiong C S: *see* Yuan S L L509
- Xiong S-J and Yao Y-D: Structure and dependence of tunnel magnetoresistance in junctions with three ferromagnetic layers 9691
- Xiong Shi-Jie and Yao Yeong-Der: Andreev reflection and Kondo effect in tunnelling through a superconducting grain 7371
- Xiong Shi-Jie: *see* Li Wei-Fei 5833
- Xiong W H: *see* Yuan S L L509
- Xu H Q and Gu Ben-Yuan: Phase property of the transmission through a quantum dot 3599
- Xu H Q and Gu Ben-Yuan: Symmetry and spectral statistics of the magnetic band structure of a one-dimensional surface superlattice 9505
- Xu J B: *see* Zhang Haiyan 2883
- Xu J J: *see* Xing H 7139
- Xu J: *see* Wang L 9857
- Xu Ming, Yang Tao, Luo Guangming, Lu Zhengqi, Liu Cuixiu, Yang Ning, Mai Zhenhong, Lai Wuyan, Wu Zhonghua and Wang Jun: Study of Ni₈₀Fe₂₀/Fe₅₀Mn₅₀ superlattice microstructures by transmission electron microscopy and x-ray diffraction 2891
- Xu Q Y, Ni G, Pan M H, Sang H and Du Y W: The Hall effect of Co_{0.35}Fe_{0.65}-Al₂O₃ nanogranular films 1851
- Xu Q Y, Ni G, Sang H and Du Y W: The exchange coupling of a NiO/FeNi bilayer

- with interdiffused interface 5047
- Xu S Y: *see* Li J 3419
- Xu W and Lin L B: The magneto-optical Franz–Keldysh effect of a two-dimensional electron gas in high magnetic fields and intense terahertz laser fields in Faraday geometry 10889
- Xu Wenbo: *see* Kreuzer H J 10729
- Xu Wu: *see* Sun Xiao-Guang 8235
- Xu W: Nonlinear transport and optical properties of terahertz-driven two-dimensional electron gases 3717
- Xu Xin: *see* Koh Tong San 1485
- Xu Zhongying: *see* Liu Baoli 8467
- Xu Zhongying: *see* Liu Bo 3923
- Xu Z: *see* Zhang Y H 2583
- Xu-rong Xu: *see* Zhi-yi He 3665
- Xue D S: *see* Xie W H 11679
- Xuefeng Wang: *see* Sufen Zhao 3865
- Xueyuan Chen: *see* Zundu Luo L447
- Xuping Su: *see* Nan-xian Chen 2727
- Ya Kotur B, Palasyuk A M, Bauer E, Michor H and Hilscher G: Uncommon conductivity of R–Mn–Al (R = Gd, Tb) ternary compounds 9421
- Yacoby Y: *see* Girshberg Y 8817
- Yaegashi W H: *see* dos Santos A O 10497
- Yafyasov A M: *see* Radantsev V F 851
- Yagi E: *see* Bang H 10837
- Yagi T: *see* Shirotnani I 9393
- Yakhmi J V: *see* Ganguly R 3805
- Yamada H: *see* Yokoyama T 9281
- Yamada T: *see* Hashimoto H L529
- Yamada T: *see* Mukai T 7089
- Yamaga M, Hattori K, Kodama N, Ishizawa N, Honda M, Shimamura K and Fukuda T: Superlattice structure of Ce³⁺-doped BaMgF₄ fluoride crystals—x-ray diffraction, electron spin-resonance, and optical investigations 10811
- Yamaga M, Honda M, Kawamata N, Fujita T, Shimamura K and Fukuda T: Site symmetry and crystal field of Ce³⁺ luminescent centres in KMgF₃ 3461
- Yamaga M, Imai T, Miyairi H and Kodama N: Substitutional disorder and optical spectroscopy of Ce³⁺-doped CaNaYF₆ crystals 753
- Yamagiwa M: *see* Chihara J 7183
- Yamaguchi Y and Hashizume H: X-ray scattering study of interface structures in Si–Si_{1-x}Ge_x superlattices grown on vicinal Si(111) substrates 8733
- Yamamoto A: *see* Lee C H L45
- Yamamoto M: *see* Shiga M 6359
- Yamamoto S: *see* Sugiharto 2875
- Yamamoto T: *see* Katayama-Yoshida H 8901
- Yamanashi K: *see* Shirotnani I 1939
- Yamashita Y, Ueda K and Sigrist M: Parity-broken ground state for the spin-pyrochlore antiferromagnet L961
- Yan F Q and Lei X L: The effect of an intense terahertz irradiation on magneto-miniband transport in semiconductor superlattices 6625
- Yan Qiwei: *see* Zhang Jun 917
- Yan W, Claro F, Zeng Z Y and Liang J Q: Absorption and wave packets in optically excited semiconductor superlattices driven by direct-current–alternating-current (dc–ac) fields 5103
- Yan X H: *see* Cao J X L271
- Yanashima K: *see* Miyajima T 7099
- Yanchitsky B Z: *see* Timoshevskii A N 1051
- Yang B: *see* Townsend P D 2211
- Yang C P: *see* Wang J L 1733
- Yang D: *see* Wang J L 1733
- Yang F M: *see* Wang J L 1617, 1733
- Yang Fuhua: *see* Liu Baoli 8467
- Yang H F: *see* Chu W G L441
- Yang Hua: *see* Zhang Chuanjiang L647
- Yang Kun: *see* Agterberg D F 9259
- Yang Ning: *see* Xu Ming 2891
- Yang Q: *see* Wu Z 5269
- Yang R, Wang Y M, Ye H Q and Wang C Y: First-principles study of the segregation effects on the cohesion of F.C.C. grain boundary 4485
- Yang S H: *see* Tian H Y 4065
- Yang Shaoguang: *see* Zhu Hao 1727
- Yang Shihe: *see* Zhang X X 3913
- Yang Tao: *see* Xu Ming 2891
- Yang T: *see* Wang Z H 6649
- Yang Y H: Spin–orbit scattering effects on magnetoresistance in a quasi-two-dimensional disordered electron system 3327
- Yang Y P: *see* Yuan S L L509, 5691
- Yang Z Q, He L L, Jin Z X and Ye H Q: Effect of electron beam irradiation on the interphase boundary between crystalline Al and amorphous Al₂O₃ 8475
- Yang Z Q: *see* Zhao S J 8061
- Yao M and Ohmasa Y: Wetting phenomena for mercury on sapphire R297
- Yao M: *see* Hiejima Y 10307
- Yao M: *see* Kohno H 10293
- Yao Xi: *see* Song Zhitang 155
- Yao Y S: *see* Pan M X L589
- Yao Y-D: *see* Xiong S-J 9691
- Yao Yeong-Der: *see* Xiong Shi-Jie 7371
- Yaouanc A: *see* Kernavanois N 9677
- Yasutomi M: Analytical solution of the Ornstein–Zernike equation for a multicomponent fluid with a screened Coulomb plus power series interaction L255

- Ye H Q: *see* Yang R 4485
 Ye H Q: *see* Yang Z Q 8475
 Ye H Q: *see* Zhao S J 8061
 Ye N: *see* Lin Z S R369
 Ye Z: *see* Wang K X 8031
 Yen P C: *see* Ho C H 8145
 Yeo T: *see* Bruno-Alfonso A 9761
 Yeom T H: Superposition model calculation of zero-field splitting of Fe^{3+} in LiTaO_3 crystal 10471
 Yidong Huang: *see* Zundu Luo L447
 Yin Min: *see* Chen Houtong 1151
 Yin Shaotang: *see* Xiao Jingzhong 11567
 Yin Shuangye: *see* Wang Baolin L403
 Ying X N, Li A, Huang Y N, Li B Q, Shen H M and Wang Y N: The effect of strain on the low-temperature internal friction of $\text{Y}(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Cu}_3\text{O}_{7-\delta}$ 9813
 Yokoo T: *see* Zheludev A R525
 Yokoyama T, Saito H, Fukamichi K, Kamishima K, Goto T and Yamada H: Itinerant-electron metamagnetism and magneto-volume effects in $\text{Lu}(\text{Co}_{1-x}\text{Al}_x)_2$ Laves phase compounds 9281
 Yoneda Y, Sakaue K and Terauchi H: Phase transition of BaTiO_3 thin films 9575
 Yong Wey M: *see* Kusawake T 9913
 Yong-sheng Wang: *see* Zhi-yi He 3665
 Yoshida S and Toyooka S: Field theoretical interpretation on dynamics of plastic deformation—Portevin—Le Chatelier effect and propagation of shear band 6741
 Yoshimura K: *see* Kato H 9311
 Yoshimura K: *see* Sakai H L785
 Yoshimura K: *see* Tsujii N 3623
 Yoshizawa H: *see* Matsuoka E 11009
 You L P: *see* Li J 3419
 Yu J: *see* Kent A D R461
 Yu J L: *see* Zhang Z D 1921
 Yu J Z: *see* Sun Q 1931
 Yu K W: *see* Gao L 7271
 Yu K W: *see* Lei Jun 3583
 Yu K W: *see* Lo C K 1315
 Yu Rong, Zhu Bang-fen and Wang Qi-ming: In-plane optical anisotropy in asymmetric $\text{Si}_{1-x}\text{Ge}_x/\text{Si}/\text{Si}_{1-y}\text{Ge}_y$ superlattices L559
 Yu Yan: *see* Sufen Zhao 3865
 Yuan G L: *see* Liu J-M 11
 Yuan Peng: *see* Zhang Jun 917
 Yuan S L, Li Z Y, Peng G, Yang Y P, Tu F, Zhang G Q, Liu J, Zeng X Y, Xiong C S, Xiong W H and Tang C Q: Monte Carlo simulation of colossal magnetoresistance in doped manganese perovskites L509
 Yuan S L, Zhang G Q, Peng G, Tu F, Zeng X Y, Liu J, Yang Y P, Jiang Y and Tang C Q: Electrical transport and low-field magnetoresistance in the series of mixed polycrystals $(1 - m)\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3 + m\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ 5691
 Yue Longqiang: *see* Liu Yihua 2009
 Yue Song: *see* Tian Mingliang 311
 Yusupov R V: *see* Aminov L K 6247
 Yuzhi Li, Chenhui Zhu, Sanyuan Zhu and Guien Zhou: Mössbauer study of products of low energy milled $\text{Fe}_{30}\text{Si}_{70}$ 6019
 Zabel H: Phonons in layered compounds 7679
 Zaccarelli E: *see* Dawson K A 9113
 Zahra A-M: *see* Perrin C 10231
 Zahra C Y: *see* Perrin C 10231
 Zaidi N A: *see* Tzamalís G 6297
 Zakhleniuk N A: *see* Anderson D R 5999
 Zakhvalinskii V S: *see* Laiho R 1233
 Zaldo C: *see* Cascales C 8071
 Zaldo C: *see* Vasco E L663
 Zaleski J: *see* Wojtaś M 8831
 Zandbergen H W: *see* Koroleva L I 5901
 Zaoui A and El Haj Hassan F: Full potential linearized augmented plane wave calculations of structural and electronic properties of BN, BP, BAs and BSb 253
 Zaoui A: *see* Sekkal W 3699
 Zapf V S: *see* Bauer E D 5183, L759
 Zavalin A: *see* Ueda A 5535
 Zavarin E E: *see* Ataev B M L211
 Zelezny V: *see* Ostapchuk T 2677
 Zemnukhova L A: *see* Panich A M 1609
 Zeng Qinghua: *see* Thorne J R G 7403
 Zeng X Y: *see* Yuan S L L509, 5691
 Zeng Z Y: *see* Yan W 5103
 Zeybek O: *see* Martin D S L607
 Zha C S: *see* Wang Zhongwu 8317
 Zhan W S: *see* Li Xiang 3987
 Zhan W S: *see* Wang W H 2607
 Zhan Z J: *see* Wang L M 5743
 Zhang B: *see* Zu F Q 11435
 Zhang Bangwei: *see* Hu Wangyu 1193
 Zhang B R: *see* Qin G G 11751
 Zhang Chuanjiang, Wu Youshi, Cai Xueling, Zhou Guorong, Shi Yuanchang, Yang Hua and Wu Si: Precipitation of an icosahedral phase in amorphous $\text{Al}_{90}\text{Fe}_5\text{Ce}_5$ alloy L647
 Zhang D W: *see* Ding S-J 6595
 Zhang Fuxiang: *see* Mori T L423
 Zhang G Q: *see* Yuan S L L509, 5691
 Zhang H Y: *see* He Y J 2467
 Zhang Haiyan, Wu Chunyan, Liang Lizheng, Chen Yiming, He Yanyang, Zhu Yanjuan, Ke Ning, Xu J B, Wong S P, Wei Aixiang and Peng Shaoqi: Structural, morphological and optical properties of C_{60} cluster thin films produced by thermal evaporation under argon gas 2883
 Zhang Hong-wei: *see* Sun Zhi-gang 2001

- Zhang J C: *see* Sun W H 5931
- Zhang Jiang: *see* Zhang Wen-Yong 3859
- Zhang Jian: *see* Li Run-Wei 141
- Zhang Jing-bo: *see* Li Jingbo 2033
- Zhang Jun, Yan Qiwei, Wang Fangwei, Yuan Peng and Zhang Panlin: Field-induced transition in the layered manganite $\text{LaEu}_{0.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ 917
- Zhang Junxian, Kleinschroth I, Goll D, Cuevas F and Kronmüller H: The coercivity of the melt-spun Sm–Fe–Ga–C permanent magnets and the effect of additives (Nb, Cu and Zr) 10487
- Zhang Lin, Chen Kunji, Huang Xinfan, Wu Youshi and Bian Xiufand: The influence of compound-forming tendency on Al-based-glass formability 5947
- Zhang L: *see* Jin Y L913
- Zhang L: *see* Wang L 9857
- Zhang L D: *see* Li Y 2691
- Zhang L H, Wang J P and Gong H: Laser and thermal induced micro-structural changes and decomposition of hydrogenated carbon films 2989
- Zhang M: *see* Zhigadlo N D 6551
- Zhang Ming and Salje E K H: Infrared spectroscopic analysis of zircon: Radiation damage and the metamict state 3057
- Zhang N: *see* Xing H 7139
- Zhang Panlin: *see* Zhang Jun 917
- Zhang Ping and Zhao Xian-Geng: Localization and entanglement of two interacting electrons in a double quantum dot 8389
- Zhang Q-Q: *see* Ding S-J 6595
- Zhang Ruzhen: *see* Liu Yihua 2009
- Zhang Shao-Ying: *see* Li Run-Wei 1973
- Zhang Shao-ying: *see* Sun Zhi-gang 2001
- Zhang Shao-Ying: *see* Zhang Wen-Yong 3859
- Zhang Sheng-Shui: *see* Sun Xiao-Guang 8235
- Zhang Wei-guo: *see* Peng Yan-ze 4123
- Zhang Weiping: *see* Chen Houtong 1151
- Zhang Weiyi: *see* Fang Anan 8489
- Zhang Wen-Yong, Zhang Jiang, Cheng Zhao-Hua, Zhang Shao-Ying and Shen Bao-Gen: Microstructure refinement and improvements of magnetic properties of $\text{Pr}_2(\text{Fe, Co})_{14}\text{B}/\alpha\text{-(Fe, Co)}$ nanocomposites by additional Ga 3859
- Zhang X, Stoddart P R, Comins J D and Every A G: High-temperature elastic properties of a nickel-based superalloy studied by surface Brillouin scattering 2281
- Zhang X B, Taliercio T, Kolliakos S and Lefebvre P: Influence of electron–phonon interaction on the optical properties of III nitride semiconductors 7053
- Zhang X-G: *see* Moghadam N Y 3073
- Zhang X X, Gu Gang, Huang Houjin, Yang Shihe and Du Yuwei: Self-assembled $\text{Co}_3(\text{BO}_3)_2$ /surfactant nanostructured multilayers 3913
- Zhang X X, Wang F W and Wen G H: Magnetic entropy change in RCoAl (R = Gd, Tb, Dy, and Ho) compounds: candidate materials for providing magnetic refrigeration in the temperature range 10 K to 100 K L747
- Zhang X X: *see* Zhang Z D 1921
- Zhang Xiao-Wen: *see* Liu Zhi-Rong 1133
- Zhang Yong: *see* Liu Zhi-Rong 1133
- Zhang Yuheng: *see* Tian Mingliang 311
- Zhang Y: *see* Chen Q 5377
- Zhang Y: *see* Jin Y L913
- Zhang Y: *see* Shi L 5195
- Zhang Y H, Wang Z H, Luo H, Wu X F, Luo H M, Xu Z and Ding S Y: Study of the relationship between the V – I curve and the flux dynamics in superconductors 2583
- Zhang Z D, Zheng J G, Skorvanek I, Wen G H, Kovac J, Wang F W, Yu J L, Li Z J, Dong X L, Jin S R, Liu W and Zhang X X: Shell/core structure and magnetic properties of carbon-coated Fe–Co(C) nanocapsules 1921
- Zhang Z J, Narumi K and Naramoto H: Structural change of a hydrogenated carbon film upon heating L475
- Zhang Zhi and Chen Li-rong: The two-dimensional monatomic Leonard-Jones system: triple point and critical point 6075
- Zhang Zhi-dong: *see* Qiu Rong-ke 4165
- Zhang Zhongxi and Vasilopoulos P: Coulomb correlations in quantum wires in strong magnetic fields and their contribution to the Fermi-edge group velocity 1539
- Zhao D Q: *see* Pan M X L589
- Zhao Dong-Liang: *see* Niu Yuan 4267
- Zhao Guo-meng, Keller H and Conder K: Unconventional isotope effects in the high-temperature cuprate superconductors R569
- Zhao H W: *see* Li Xiang 3987
- Zhao Hua and Kim Kwang S: Model calculation of the band energy gap for poly(*p*-phenylenevinylene) 579
- Zhao J H, Kunkel H P, Zhou X Z and Williams G: Evidence for non-adiabatic, small-polaron-mediated transport both above and below the ferromagnetic ordering temperature in O-depleted $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_{3-\delta}$ 5785
- Zhao J H, Kunkel H P, Zhou X Z and Williams G: Magnetic and transport properties, and the phase diagram of hole-doped $\text{La}_{1-x}\text{Mg}_x\text{MnO}_3$ ($x = 0.4$) 9349
- Zhao J H, Song T, Kunkel H P, Zhou X Z, Roshko R M and Williams G: Reply to

- Comment on 'La_{0.95}Mg_{0.05}MnO₃: an ideal ferromagnetic system?' 6439
- Zhao Jian H: *see* Starikov E 7159
- Zhao Jijun: *see* Wang Baolin L403
- Zhao Jijun: *see* Wang Jinlan L753
- Zhao L C: *see* Wang W H 2607
- Zhao L: *see* Fadley C S 10517
- Zhao M: *see* Jiang Q L397
- Zhao S J, Wang S Q, Yang Z Q and Ye H Q:
Coalescence of three silver nanoclusters: a molecular dynamics study 8061
- Zhao W: *see* Cao P-I 5065
- Zhao Xia, Sun Xuefeng, Wang Lei, Wu Wenbin and Li Xiao-Guang: Thermopower of Bi₂Sr₂Ca_{1-x}R_xCu₂O_y (R = Gd, Pr) single crystals 4303
- Zhao Xian-Geng: *see* Zhang Ping 8389
- Zhao Zongyan: *see* Qi Zeming 11503
- Zharnikov M and Grunze M: Spectroscopic characterization of thiol-derived self-assembling monolayers 11333
- Zharnikov M and Steinrück H-P: Holography with photoelectrons: a direct approach 10533
- Zheludev A, Maslov S, Yokoo T, Raymond S, Nagler S E and Akimitsu J: Quantum and classical dynamics in mixed-spin one-dimensional antiferromagnets R525
- Zheng H: *see* Ji Kai 1079
- Zheng J G: *see* Zhang Z D 1921
- Zheng J-C, Wang H-Q, Huan C H A and Wee A T S: The structural and electronic properties of (AlN)_x(C₂)_{1-x} and (AlN)_x(BN)_{1-x} alloys 5295
- Zheng L Q and Fang Q F: Internal friction study of phase transformation in self-doping La_{0.8}MnO₃ bulk materials 3411
- Zheng M: *see* Sellmyer D J R433
- Zheng R-K: *see* Zhou H-D 6195
- Zheng Y F: *see* Wang W H 2607
- Zheng Zhiming: *see* Sun Guoya 627
- Zhi-yi He, Yong-sheng Wang, Li Sun and Xu-rong Xu: Optical absorption studies on the trapping states of CaS:Eu,Sm 3665
- Zhigadlo N D, Zhang M and Salje E K H: An infrared spectroscopic study of Li₂B₄O₇ 6551
- Zhong J, Jin Z H and Lu K: Melting, superheating and freezing behaviour of indium interpreted using a nucleation-and-growth model 11443
- Zhong-can Ou-Yang: *see* Zhou Xin L635
- Zhou D X: *see* Xia Z C 4359
- Zhou Guorong: *see* Zhang Chuanjiang L647
- Zhou H-D, Li G, Chen H, Zheng R-K, Fan X-J and Li X-G: The Jahn-Teller effect and electron-phonon interaction in La_{0.25}Ca_{0.75}Mn_{1-x}Cr_xO₃ 6195
- Zhou Lei: *see* Chui S T L49
- Zhou P: *see* Papanek P 8287
- Zhou X C: *see* Liu Q L 6529
- Zhou X Z: *see* Zhao J H 5785, 6439, 9349
- Zhou X-y: *see* Cao P-I 5065
- Zhou Xin, Chen Hu and Zhong-can Ou-Yang:
Can electric field induced energy gaps in metallic carbon nanotubes? L635
- Zhou Y L: *see* Li C L 5261
- Zhou Y, Sun Z, Wang X and Chen S: *Ab initio* geometry optimization and ground state properties of layered ternary carbides Ti₃MC₂ (M = Al, Si and Ge) 10001
- Zhu Bang-fen: *see* Yu Rong L559
- Zhu Hao, Yang Shaoguang, Ni Gang, Tang Shaolong and Du Youwei: Fabrication and magnetic properties of Fe₁₄Ni₈₆ alloy nanowire array 1727
- Zhu H: *see* Wu Z 5269
- Zhu J S: *see* Wu J X 8725
- Zhu P: *see* Cao S 5865
- Zhu Xiaongrong: *see* Song Zhitang 155
- Zhu Y and Ong P P: Preparation and photoluminescence of thin films of Ge nanoparticles embedded in Al₂O₃ matrices 4075
- Zhu Y and Ong P P: The effect of atmospheric annealing on the photoluminescence of sandwich-structured thin films of silicon nanoparticles embedded in Al₂O₃ matrices L189
- Zhu Y, Wang H and Ong P P: Composite zinc/silicon nanocrystalline thin film: preparation, structures and the effect of oxidation on their photoluminescence 787
- Zhu Yanjuan: *see* Zhang Haiyan 2883
- Zhu Yu, Sun Qing-feng and Lin Tsung-han: Andreev bound states and the π -junction transition in a superconductor/quantum-dot/superconductor system 8783
- Zhu Z G: *see* Liu C S 1873
- Zhu Z G: *see* Zu F Q 11435
- Zhu Zhaojie: *see* Brenier A 4097
- Zi Jian: *see* Hu Xinhua L835
- Ziebeck K R A: *see* Brown P J 1111, 1563, 10261
- Zieliński P: *see* Pietraszko A 6471
- Ziese M: Critical scaling and percolation in manganite films 2919
- Zimbovskaya N A and Gumbs G: The effect of a magnetic field on the acoustoelectric current in a narrow channel L409
- Zoli M: Non-metallic transport in molecular solids versus dimensionality 2437
- Zoli M: Polaron self-trapping in a honeycomb net 10845
- Zong W H: *see* Qin G G 11751
- Zou Xian-Wu: *see* Huang Sheng-You 7343
- Zu F Q, Zhu Z G, Zhang B, Feng Y and Shui J P: Post-melting anomaly of Pb-Bi alloys observed by internal friction technique 11435
- Zubov E: *see* Dyakonov V 4049

- Żukowski E: *see* Reniewicz H [11597](#)
Żukowski J: *see* Budziak A [L871](#)
Zundu Luo, Yidong Huang and Xueyuan Chen:
The effect of mass difference between host
ions on the thermal shift and broadening of
the spectral lines of the active ions in
crystals [L447](#)
- Zverev V: *see* Debray P [3389](#)
Zweck J: *see* Brunner W [2865](#)
Zwick A: *see* Chehaidar A [10743](#)
Zygmunt A: *see* Penc B [4471](#)
Zygmunt A: *see* Szytuła A [8007](#)