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- Baudelet F, Pascarelli S, Mathon O, Itié J P, Polian A, d’Astuto M and Chervin J C: X-ray absorption spectroscopy and x-ray magnetic circular dichroism simultaneous measurements under high pressure: the iron bcc–hcp transition case [S957](#)
- Baudelet F: *see* Itié J P [S883](#)
- Bauer E, Hilscher G, Michor H, Paul Ch, Aoki Y, Sato H, Adroja D T, Park J-G, Bonville P, Godart C, Sereni J, Giovannini M and Saccone A: The magnetic instability of  $\text{Yb}_2\text{Pd}_2(\text{In},\text{Sn})$  in a non-Fermi liquid environment [S999](#)
- Bauer E, Lackner R, Hilscher G, Michor H, Sieberer M, Eichler A, Gribov A, Seropegin Y and Rogl P:  $\text{REPt}_3\text{Si}$  (RE = La, Pr, Nd, Sm and Gd): isotopes of the heavy fermion superconductor  $\text{CePt}_3\text{Si}$  [1877](#)
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- Bi C Z, Ma J Y, Zhao B R, Tang Z, Yin D, Li C Z, Yao D Z, Shi J and Qiu X G: Far infrared optical properties of the pyrochlore spin ice compound  $Dy_2Ti_2O_7$  5225
- Bi W, Delannay R, Richard P, Taberlet N and Valance A: Two- and three-dimensional confined granular chute flows: experimental and numerical results S2457
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- Bindu R, Pandey S K, Kumar A, Khalid S and Pimpale A V: Local distortion of MnO<sub>6</sub> octahedron in La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3+δ</sub> ( $x = 0.1-0.9$ ): an EXAFS study 6393
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- Bing Y-H, Bokov A A, Ye Z-G, Noheda B and Shirane G: Structural phase transition and dielectric relaxation in Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub> single crystals 2493
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- Björström C M, Aj Bernasik, Rysz J, Budkowski A, Nilsson S, Svensson M, Andersson M R, Magnusson K O and Moons E: Multilayer formation in spin-coated thin films of low-bandgap polyfluorene:PCBM blends L529
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- Bobrikov I A: *see* Babushkina N A 1975
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- Bobylev S V, Ovid'ko I A, Romanov A E and Sheinerman A G: Nanoscale defect structures at crystal–glass interfaces 619
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- and Abicht H-P: Incorporation of chromium into hexagonal barium titanate: an electron paramagnetic resonance study 2763
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- Boudart B, Guhel Y, Pesant J C, Dhamelincourt P and Poisson M A: Resonant Raman scattering study of Ar<sup>+</sup> ion-implanted AlGaN 1995
- Bouffard M: *see* Jouart J P 5137
- Bouguerra A, Khène S, de Brion S, Chouteau G and Fillion G: High field magnetic transitions in the mixed holmium–yttrium iron garnet Ho<sub>0.43</sub>Y<sub>2.57</sub>Fe<sub>5</sub>O<sub>12</sub> 241
- Bouizem Y, Belfedal A, Sib J D, Kebab A and Chahed L: Optoelectronic properties of hydrogenated amorphous germanium deposited by rf-PECVD as a function of applied rf-power 5149
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- Boyarchenkov A S, Ovchinnikov A S, Bostrem I G, Baranov N V, Hosokoshi Y and Inoue K: Real-space renormalization group study of the anisotropic antiferromagnetic Heisenberg model of spin  $S = 1$  on a honeycomb lattice 1769
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- Bremers H, Hupe O, Hofmeister C E, Michele O and Hesse J: The huge influence of nanograins on the magnetic properties of iron-based Fe–Cu–Nb–B nanocrystalline alloys 3197
- Bremond N, Arora M, Ohl C-D and Lohse D: Cavitation on surfaces S3603
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- Brown P J, Ishida K, Kainuma R, Kanomata T, Neumann K-U, Oikawa K, Ouladdiaf B and Ziebeck K R A: Crystal structures and phase transitions in ferromagnetic shape memory alloys based on Co–Ni–Al and Co–Ni–a 1301
- Brown P J, Neumann K-U, Simon A, Ueno F and Ziebeck K R A: Magnetization distribution in CoS<sub>2</sub>: is it a half metallic ferromagnet? 1583
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- Brown T, Li W, Kunkel H P, Zhou X Z, Williams G, Mukovskii Y and Arsenov A: Anomalous temperature dependence of the spontaneous magnetization of single-crystal La<sub>0.73</sub>Ba<sub>0.27</sub>MnO<sub>3</sub> 5997
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- Budhani R C, Pant P, Rakshit R K, Senapati K, Mandal S, Pandey N K and Kumar J: Magnetotransport in epitaxial films of the degenerate semiconductor  $\text{Zn}_{1-x}\text{Co}_x\text{O}$  75
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- Caizer C: The effect of the external magnetic field on the thermal relaxation of magnetization in systems of aligned nanoparticles 2019
- Caldiño U, Hernández-Pozos J L, Flores C, Speghini A and Bettinelli M: Photoluminescence of  $\text{Ce}^{3+}$  and  $\text{Mn}^{2+}$  in zinc metaphosphate glasses 7297
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- Campoy Quiles M: *see* Sims M 6307
- Canepa F, Napoletano M, Masini R, Lefèvre C and Venturini G: A magnetization study of  $\text{ErMn}_6\text{Sn}_{6-x}\text{Ga}_x$  single crystals ( $0.11 \leq x \leq 1.20$ ) 1961
- Canepa F, Napoletano M, Palenzona A, Moze O and Kockelmann W: Ferromagnetic and incommensurate antiferromagnetic order in a multi-sublattice itinerant magnet:  $\text{Y}_3\text{Co}_8\text{Sn}_4$  373
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- Capon F, Ruello P, Bardeau J-F, Simon P, Laffez P, Dkhil B, Reversat L, Galicka K and Ratuszna A: Metal-insulator transition in thin films of  $\text{R}_x\text{R}'_{1-x}\text{NiO}_3$  compounds: DC electrical conductivity and IR spectroscopy measurements 1137

- Cappellini G, Weissker H-Ch, De Salvador D, Furthmüller J, Bechstedt F, Satta G, Casula F and Colombo L: Classical versus *ab initio* structural relaxation: electronic excitations and optical properties of Ge nanocrystals embedded in an SiC matrix 643
- Caragiù M and Finberg S: Alkali metal adsorption on graphite: a review R995
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- Varga T, Wilkinson A P, Lind C, Bassett W A and Zha C-S: High pressure synchrotron x-ray powder diffraction study of  $\text{Sc}_2\text{Mo}_3\text{O}_{12}$  and  $\text{Al}_2\text{W}_3\text{O}_{12}$  [4271](#)
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- Walz F, Brabers V A M, Brabers J H V J and Kronmüller H: Timescale settling and nature of electron transport in magnetite – General considerations in view of new magnetic after-effect results on dilutely Ti<sup>4+</sup>-doped Fe<sub>3</sub>O<sub>4</sub> [6763](#)
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- Yaicle C, Raveau B, Maignan A, Hardy V, Martin C and Hervieu M: Influence of Ba substitution upon ferromagnetism in charge ordered  $\text{Nd}_{1-x}\text{Ca}_x\text{MnO}_3$ : singular behaviour of  $x = 0.43$  [1019](#)
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