

# CSEC Publications 2001–2008

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## Record 1 of 237

**Author(s):** Lundegaard, LF (Lundegaard, L. F.); Gregoryanz, E (Gregoryanz, E.); McMahon, MI (McMahon, M. I.); Guillaume, C (Guillaume, C.); Loa, I (Loa, I.); Nelmes, RJ (Nelmes, R. J.)

**Title:** Single-crystal studies of incommensurate Na to 1.5 Mbar

**Source:** PHYSICAL REVIEW B, 79 (6): Art. No. 064105 FEB 2009

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.79.064105

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## Record 2 of 237

**Author(s):** Yates, KA (Yates, K. A.); Morrison, K (Morrison, K.); Rodgers, JA (Rodgers, J. A.); Penny, GBS (Penny, G. B. S.); Bos, JWG (Bos, J-W G.); Attfield, JP (Attfield, J. P.); Cohen, LF (Cohen, L. F.)

**Title:** Investigation of superconducting gap structure in TbFeAsO<sub>0.9</sub>F<sub>0.1</sub> using point contact Andreev reflection

**Source:** NEW JOURNAL OF PHYSICS, 11: Art. No. 025015 FEB 27 2009

**ISSN:** 1367-2630

**DOI:** 10.1088/1367-2630/11/2/025015

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## Record 3 of 237

**Author(s):** Oka, K (Oka, Kengo); Azuma, M (Azuma, Masaki); Hirai, S (Hirai, Shigeto); Belik, AA (Belik, Alexei A.); Kojitani, H (Kojitani, Hiroshi); Akaogi, M (Akaogi, Masaki); Takano, M (Takano, Mikio); Shimakawa, Y (Shimakawa, Yuich)

**Title:** Pressure-Induced Transformation of 6H Hexagonal to 3C Perovskite Structure in PbMnO<sub>3</sub>

**Source:** INORGANIC CHEMISTRY, 48 (5): 2285-2288 MAR 2 2009

**ISSN:** 0020-1669

**DOI:** 10.1021/ic802081f

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## Record 4 of 237

**Author(s):** Oswald, IDH (Oswald, Iain D. H.); Crichton, WA (Crichton, Wilson A.)

**Title:** Structural similarities of 2-chlorophenol and 2-methylphenol

**Source:** CRYSTENGCOMM, 11 (3): 463-469 2009

**ISSN:** 1466-8033

**DOI:** 10.1039/b813878h

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## Record 5 of 237

**Author(s):** Oswald, IDH (Oswald, Iain D. H.); Hamilton, A (Hamilton, Andrea); Hall, C (Hall, Christopher); Marshall, WG (Marshall, William G.); Prior, TJ (Prior, Timothy J.); Pulham, CR (Pulham, Colin R.)

**Title:** In Situ Characterization of Elusive Salt Hydrates-The Crystal Structures of the Heptahydrate and Octahydrate of Sodium Sulfate

**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 130 (52): 17795-17800 DEC 31 2008

**ISSN:** 0002-7863

**DOI:** 10.1021/ja805429m

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## Record 6 of 237

**Author(s):** Kimber, SAJ (Kimber, Simon A. J.); Rodgers, JA (Rodgers, Jennifer A.); Wu, H (Wu, Hua); Murray, CA (Murray, Claire A.); Argryriou, DN (Argryriou, Dimitri N.); Fitch, AN (Fitch, Andrew N.); Khomskii, DI (Khomskii, Daniel I.); Attfield, JP (Attfield, J. Paul)

**Title:** Metal-Insulator Transition and Orbital Order in PbRuO<sub>3</sub>

**Source:** PHYSICAL REVIEW LETTERS, 102 (4): Art. No. 046409 JAN 30 2009

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.102.046409

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## Record 7 of 237

**Author(s):** Gregoryanz, E (Gregoryanz, E.); Goncharov, AF (Goncharov, Alexander F.)

**Title:** Comment on "High-Pressure Melting Curve of Nitrogen and the Liquid-Liquid Phase Transition"

**Source:** PHYSICAL REVIEW LETTERS, 102 (4): Art. No. 049601 JAN 30 2009

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.102.049601

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## Record 8 of 237

**Author(s):** de Vries, MA (de Vries, M. A.); Johal, TK (Johal, T. K.); Mirone, A (Mirone, A.); Claydon, JS (Claydon, J. S.); Nilsen, GJ (Nilsen, G. J.); Ronnow, HM (Ronnow, H. M.); van der Laan, G (van der Laan, G.); Harrison, A (Harrison, A.)

**Title:** Determination of the single-ion anisotropy energy in a S=5/2 kagome antiferromagnet using x-ray absorption spectroscopy

**Source:** PHYSICAL REVIEW B, 79 (4): Art. No. 045102 JAN 2009

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.79.045102

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## Record 9 of 237

**Author(s):** Fiquet, G (Fiquet, Guillaume); Badro, J (Badro, James); Gregoryanz, E (Gregoryanz, Eugene); Fei, YW (Fei, Yingwei); Ocellii, F (Ocellii, Florent)

**Title:** Sound velocity in iron carbide (Fe<sub>3</sub>C) at high pressure: Implications for the carbon content of the Earth's inner core

**Source:** PHYSICS OF THE EARTH AND PLANETARY INTERIORS, 172 (1-2): 125-129 JAN 2009

**ISSN:** 0031-9201

**DOI:** 10.1016/j.pepi.2008.05.016

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## Record 10 of 237

**Author(s):** Loa, I (Loa, I.); McMahon, MI (McMahon, M. I.); Bosak, A (Bosak, A.)

**Title:** Origin of the Incommensurate Modulation in Te-III and Fermi-Surface Nesting in a Simple Metal

**Source:** PHYSICAL REVIEW LETTERS, 102 (3): Art. No. 035501 JAN 23 2009

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.102.035501

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## Record 11 of 237

**Author(s):** Oswald, IDH (Oswald, Iain D. H.); Chataigner, I (Chataigner, Isabelle); Elphick, S (Elphick, Stephen); Fabbiani, FPA (Fabbiani, Francesca P. A.); Lennie, AR (Lennie, Alistair R.); Maddaluno, J (Maddaluno, Jacques); Marshall, WG (Marshall, William G.); Prior, TJ (Prior, Timothy J.); Pulham, CR (Pulham, Colin R.); Smith, RI (Smith, Ronald I.)

**Title:** Putting pressure on elusive polymorphs and solvates

**Source:** CRYSTENGCOMM, 11 (2): 359-366 2009

**ISSN:** 1466-8033

**DOI:** 10.1039/b814471k

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## Record 12 of 237

**Author(s):** Meller, N (Meller, Nicola); Kyritsis, K (Kyritsis, Konstantinos); Hall, C (Hall, Christopher)

**Title:** The mineralogy of the CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-H<sub>2</sub>O(CASH) hydroceramic system from 200 to 350 degrees C

**Source:** CEMENT AND CONCRETE RESEARCH, 39 (1): 45-53 JAN 2009

**ISSN:** 0008-8846

**DOI:** 10.1016/j.cemconres.2008.10.002

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**Record 13 of 237**

**Author(s):** Makowski, SJ (Makowski, Sophia J.); Rodgers, JA (Rodgers, Jennifer A.); Henry, PF (Henry, Paul F.); Attfield, JP (Attfield, J. Paul); Bos, JWG (Bos, Jan-Willem G.)

**Title:** Coupled Spin Ordering in the Ln(2)LiRuO(6) Double Perovskites

**Source:** CHEMISTRY OF MATERIALS, 21 (2): 264-272 JAN 27 2009

**ISSN:** 0897-4756

**DOI:** 10.1021/cm8020935

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**Record 14 of 237**

**Author(s):** Millar, DIA (Millar, David I. A.); Oswald, IDH (Oswald, Iain D. H.); Francis, DJ (Francis, Duncan J.); Marshall, WG (Marshall, William G.); Pulham, CR (Pulham, Colin R.); Cumming, AS (Cumming, Adam S.)

**Title:** The crystal structure of beta-RDX-an elusive form of an explosive revealed

**Source:** CHEMICAL COMMUNICATIONS, (5): 562-564 2009

**ISSN:** 1359-7345

**DOI:** 10.1039/b817966b

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**Record 15 of 237**

**Author(s):** Stoumpos, CC (Stoumpos, Constantinos C.); Gass, IA (Gass, Ian A.); Milios, CJ (Milios, Constantinos J.); Lalioti, N (Lalioti, Nikolia); Terzis, A (Terzis, Aris); Aromi, G (Aromi, Guillem); Teat, SJ (Teat, Simon J.); Brechin, EK (Brechin, Euan K.); Perlepes, SP (Perlepes, Spyros P.)

**Title:** A Mn-4(II) cubane and a novel (Mn10Mn4III)-Mn-II cluster from the use of di-2-pyridyl ketone in manganese acetate chemistry

**Source:** DALTON TRANSACTIONS, (2): 307-317 2009

**ISSN:** 1477-9226

**DOI:** 10.1039/b810835h

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**Record 16 of 237**

**Author(s):** Johnstone, RDL (Johnstone, Russell D. L.); Francis, D (Francis, Duncan); Lennie, AR (Lennie, Alistair R.); Marshall, WG (Marshall, William G.); Moggach, SA (Moggach, Stephen A.); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Warren, JE (Warren, John E.)

**Title:** High-pressure polymorphism in L-serine monohydrate: identification of driving forces in high pressure phase transitions and possible implications for pressure-induced protein denaturation

**Source:** CRYSTENGCOMM, 10 (12): 1758-1769 2008

**ISSN:** 1466-8033

**DOI:** 10.1039/b810746g

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**Record 17 of 237**

**Author(s):** Hepburn, DJ (Hepburn, Derek J.); Ackland, GJ (Ackland, Graeme J.)

**Title:** Metallic-covalent interatomic potential for carbon in iron

**Source:** PHYSICAL REVIEW B, 78 (16): Art. No. 165115 OCT 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.78.165115

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**Record 18 of 237**

**Author(s):** Ferguson, A (Ferguson, Alan); Lawrence, J (Lawrence, Jon); Parkin, A (Parkin, Andrew); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Brechin, EK (Brechin, Euan K.); Wernsdorfer, W (Wernsdorfer, Wolfgang); Hill, S (Hill, Stephen); Murrie, M (Murrie, Mark)

**Title:** Synthesis and characterisation of a Ni-4 single-molecule magnet with S-4 symmetry

**Source:** DALTON TRANSACTIONS, (45): 6409-6414 2008

**ISSN:** 1477-9226

**DOI:** 10.1039/b807447j

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**Record 19 of 237**

**Author(s):** Greaves, GN (Greaves, G. N.); Catlow, CRA (Catlow, C. R. A.); Derbyshire, GE (Derbyshire, G. E.); McMahon, MI (McMahon, M. I.); Nelmes, RJ (Nelmes, R. J.); van der Laan, G (van der Laan, G.)

**Title:** Two million hours of science

**Source:** NATURE MATERIALS, 7 (11): 827-830 NOV 2008

**ISSN:** 1476-1122

**DOI:** 10.1038/nmat2305

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**Record 20 of 237**

**Author(s):** Sano-Furukawa, A (Sano-Furukawa, Asami); Komatsu, K (Komatsu, Kazuki); Vanpeteghem, CB (Vanpeteghem, Carine B.); Ohtani, E (Ohtani, Eiji)

**Title:** Neutron diffraction study of delta-AiOOD at high pressure and its implication for symmetrization of the hydrogen bond

**Source:** AMERICAN MINERALOGIST, 93 (10): 1558-1567 OCT 2008

**ISSN:** 0003-004X

**DOI:** 10.2138/am.2008.2849

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**Record 21 of 237**

**Author(s):** Ghandour, AJ (Ghandour, Ahmad J.); Dunstan, DJ (Dunstan, David J.); Sapelkin, A (Sapelkin, Andrei); Proctor, JE (Proctor, John E.); Halsall, MP (Halsall, Matthew P.)

**Title:** High-pressure Raman response of single-walled carbon nanotubes: Effect of the excitation laser energy

**Source:** PHYSICAL REVIEW B, 78 (12): Art. No. 125420 SEP 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.78.125420

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**Record 22 of 237**

**Author(s):** Bos, JWG (Bos, Jan-Willem G.); Colin, CV (Colin, Claire V.); Palstra, TTM (Palstra, Thomas T. M.)

**Title:** Magnetoelectric coupling in the cubic ferrimagnet Cu<sub>2</sub>OSeO<sub>3</sub>

**Source:** PHYSICAL REVIEW B, 78 (9): Art. No. 094416 SEP 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.78.094416

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**Record 23 of 237**

**Author(s):** Marques, M (Marques, M.); Ackland, GJ (Ackland, G. J.); Lundegaard, LF (Lundegaard, L. F.); Falconi, S (Falconi, S.); Hejny, C (Hejny, C.); McMahon, MI (McMahon, M. I.); Contreras-Garcia, J (Contreras-Garcia, J.); Hanfland, M (Hanfland, M.)

**Title:** Origin of incommensurate modulations in the high-pressure phosphorus IV phase

**Source:** PHYSICAL REVIEW B, 78 (5): Art. No. 054120 AUG 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.78.054120

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**Record 24 of 237**

**Author(s):** Jorge, AB (Jorge, A. Belen); Oro-Sole, J (Oro-Sole, Judith); Bea, AM (Bea, Ana M.); Mufti, N (Mufti, Nandang); Palstra, TTM (Palstra, Thomas T. M.); Rodgers, JA (Rodgers, Jennifer A.); Attfield, JP (Attfield, J. Paul); Fuertes, A (Fuertes, Amparo)

**Title:** Large coupled magnetoresponses in EuNbO<sub>2</sub>N

**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 130 (38): 12572+ SEP 24 2008

**ISSN:** 0002-7863

**DOI:** 10.1021/ja804139g

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**Record 25 of 237**

**Author(s):** Oswald, IDH (Oswald, Iain D. H.); Pulham, CR (Pulham, Colin R.)

**Title:** Co-crystallisation at high pressure - an additional tool for the preparation and study of co-crystals

**Source:** CRYSTENGCOMM, 10 (9): 1114-1116 2008

**ISSN:** 1466-8033

**DOI:** 10.1039/b805591b

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**Record 26 of 237**

**Author(s):** Wood, PA (Wood, Peter A.); Francis, D (Francis, Duncan); Marshall, WG (Marshall, William G.); Moggach, SA (Moggach, Stephen A.); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Rohl, AL (Rohl, Andrew L.)

**Title:** A study of the high-pressure polymorphs of L-serine using ab initio structures and PIXEL calculations

**Source:** CRYSTENGCOMM, 10 (9): 1154-1166 2008

**ISSN:** 1466-8033

**DOI:** 10.1039/b801571f

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**Record 27 of 237**

**Author(s):** Galloway, KW (Galloway, Kyle W.); Whyte, AM (Whyte, Alexander M.); Wernsdorfer, W (Wernsdorfer, Wolfgang); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Parkin, A (Parkin, Andrew); Peacock, RD (Peacock, Robert D.); Murrie, M (Murrie, Mark)

**Title:** Cobalt(II) citrate cubane single-molecule magnet

**Source:** INORGANIC CHEMISTRY, 47 (16): 7438-7442 AUG 18 2008

**ISSN:** 0020-1669

**DOI:** 10.1021/ic80896k

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**Record 28 of 237**

**Author(s):** Cox, S (Cox, S.); Loudon, JC (Loudon, J. C.); Williams, AJ (Williams, A. J.); Attfield, JP (Attfield, J. P.); Singleton, J (Singleton, J.); Midgley, PA (Midgley, P. A.); Mathur, ND (Mathur, N. D.)

**Title:** Very weak electron-phonon coupling and strong strain coupling in manganites

**Source:** PHYSICAL REVIEW B, 78 (3): Art. No. 035129 JUL 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.78.035129

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**Record 29 of 237**

**Author(s):** Rodgers, JA (Rodgers, J. A.); Williams, AJ (Williams, A. J.); Martinez-Lope, AJ (Martinez-Lope, A. J.); Alonso, JA (Alonso, J. A.); Attfield, JP (Attfield, J. P.)

**Title:** Magnetic order from cation disorder in SrCrRu<sub>1-x</sub>O<sub>3</sub> perovskite oxides

**Source:** CHEMISTRY OF MATERIALS, 20 (15): 4797-4799 AUG 12 2008

**ISSN:** 0897-4756

**DOI:** 10.1021/cm801263c

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**Record 30 of 237**

**Author(s):** Hill, AH (Hill, A. H.); Jiao, F (Jiao, F.); Bruce, PG (Bruce, P. G.); Harrison, A (Harrison, A.); Kockelmann, W (Kockelmann, W.); Ritter, C (Ritter, C.)

**Title:** Neutron diffraction study of mesoporous and bulk hematite, alpha-Fe<sub>2</sub>O<sub>3</sub>

**Source:** CHEMISTRY OF MATERIALS, 20 (15): 4891-4899 AUG 12 2008

**ISSN:** 0897-4756

**DOI:** 10.1021/cm00009s

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**Record 31 of 237**

**Author(s):** Bos, JWG (Bos, Jan-Willem G.); Penny, GBS (Penny, George B. S.); Rodgers, JA (Rodgers, Jennifer A.); Sokolov, DA (Sokolov, Dmitry A.); Huxley, AD (Huxley, Andrew D.); Attfield, JP (Attfield, J. Paul)

**Title:** High pressure synthesis of late rare earth RFeAs(O,F) superconductors; R = Tb and Dy

**Source:** CHEMICAL COMMUNICATIONS, (31): 3634-3635 2008

**ISSN:** 1359-7345

**DOI:** 10.1039/b808474b

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**Record 32 of 237**

**Author(s):** Wood, PA (Wood, Peter A.); McKinnon, JJ (McKinnon, Joshua J.); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Spackman, MA (Spackman, Mark A.)

**Title:** Analysis of the compression of molecular crystal structures using Hirshfeld surfaces

**Source:** CRYSTENGCOMM, 10 (4): 368-376 2008

**ISSN:** 1466-8033

**DOI:** 10.1039/b715494a

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**Record 33 of 237**

**Author(s):** Lozano-Casal, P (Lozano-Casal, P.); Allan, DR (Allan, D. R.); Parsons, S (Parsons, S.)

**Title:** High-pressure structural study of L-alpha-glutamine and the use of Hirshfeld surfaces and graph-set notation to investigate the hydrogen bonding present in the structure up to 4.9 GPa

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 64: 466-475 Part 4 AUG 2008

**ISSN:** 0108-7681

**DOI:** 10.1107/S010876810801793X

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**Record 34 of 237**

**Author(s):** Tamai, A (Tamai, A.); Allan, MP (Allan, M. P.); Mercure, JF (Mercure, J. F.); Meevasana, W (Meevasana, W.); Dunkel, R (Dunkel, R.); Lu, DH (Lu, D. H.); Perry, RS (Perry, R. S.); Mackenzie, AP (Mackenzie, A. P.); Singh, DJ (Singh, D. J.); Shen, ZX (Shen, Z. -X.); Baumberger, F (Baumberger, F.)

**Title:** Fermi surface and van hove singularities in the itinerant metamagnet Sr<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>

**Source:** PHYSICAL REVIEW LETTERS, 101 (2): Art. No. 026407 JUL 11 2008

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.101.026407

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**Record 35 of 237**

**Author(s):** Ortega-San-Martin, L (Ortega-San-Martin, Luis); Rodgers, JA (Rodgers, Jennifer A.); Attfield, JP (Attfield, J. Paul)

**Title:** Synthesis, structure and properties of the (Bi<sub>0.5</sub>Sr<sub>0.5</sub>)(Co<sub>0.5</sub>Ru<sub>0.5</sub>)O-3 perovskite

**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, 63 (6): 641-646 JUN 2008

**ISSN:** 0932-0776

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**Record 36 of 237**

**Author(s):** Sanchez-Benitez, J (Sanchez-Benitez, Javier); Martinez-Lope, MJ (Martinez-Lope, Maria J.); Alonso, JA (Alonso, Jose A.)

**Title:** Magnetism, magnetotransport and magnetic structure of ThCu<sub>3</sub>Mn<sub>4</sub>O<sub>12</sub>, prepared at moderate pressures

**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, 63 (6): 655-660 JUN 2008

**ISSN:** 0932-0776

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**Record 37 of 237**

**Author(s):** Wilding, M (Wilding, Martin); Guthrie, M (Guthrie, Malcolm); Bull, CL (Bull, Craig L.); Tucker, MG (Tucker, Matt G.); McMillan, PF (McMillan, Paul F.)

**Title:** Feasibility of in situ neutron diffraction studies of non-crystalline silicates up to pressures of 25 GPa

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 20 (24): Art. No. 244122 JUN 18 2008

**Conference Title:** European-Science-Foundation Exploratory Workshop on Glassy Liquids Under Pressure

**Conference Date:** OCT 10-12, 2007

**Conference Location:** Ustron, POLAND

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/20/24/244122

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**Record 38 of 237**

**Author(s):** Gregoryanz, E (Gregoryanz, Eugene); Lundegaard, LF (Lundegaard, Lars F.); McMahon, MI (McMahon, Malcolm I.); Guillaume, C (Guillaume, Christophe); Nelmes, RJ (Nelmes, Richard J.); Mezouar, M (Mezouar, Mohamed)

**Title:** Structural diversity of sodium

**Source:** SCIENCE, 320 (5879): 1054-1057 MAY 23 2008

**ISSN:** 0036-8075

**DOI:** 10.1126/science.1155715

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**Record 39 of 237**

**Author(s):** Beck, S (Beck, Sebastian); Marlow, VL (Marlow, Victoria L.); Woodall, K (Woodall, Katy); Doerrler, WT (Doerrler, William T.); James, EK (James, Euan K.); Ferguson, GP (Ferguson, Gail P.)

**Title:** The Sinorhizobium meliloti MsbA2 protein is essential for the legume symbiosis

**Source:** MICROBIOLOGY-SGM, 154: 1258-1270 Part 4 APR 2008

**ISSN:** 1350-0872

**DOI:** 10.1099/mic.0.2007/014894-0

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**Record 40 of 237**

**Author(s):** de Vries, MA (de Vries, M. A.); Kamenev, KV (Kamenev, K. V.); Kockelmann, WA (Kockelmann, W. A.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Harrison, A (Harrison, A.)

**Title:** Magnetic ground state of an experimental S=1/2 kagome antiferromagnet

**Source:** PHYSICAL REVIEW LETTERS, 100 (15): Art. No. 157205 APR 18 2008

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.100.157205

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**Record 41 of 237**

**Author(s):** Prasankumar, RP (Prasankumar, R. P.); Lee, HJ (Lee, H. J.); Okamura, H (Okamura, H.); Imai, H (Imai, H.); Shimakawa, Y (Shimakawa, Y.); Kubo, Y (Kubo, Y.); Zvyagin, S (Zvyagin, S.); Kamenev, K (Kamenev, K.); Balakrishnan, G (Balakrishnan, G.); Paulf, DM (Paulf, D. Mck.); Trugman, SA (Trugman, S. A.); Taylor, AJ (Taylor, A. J.); Averitt, RD (Averitt, R. D.)

**Title:** Probing nanoscale inhomogeneities in transition metal oxides with ultrafast mid-infrared spectroscopy

**Source:** PHYSICA B-CONDENSED MATTER, 403 (5-9): 1401-1403 APR 1 2008

**Conference Title:** International Conference on Strongly Correlated Electron Systems (SCES 2007)

**Conference Date:** MAY 13-18, 2007

**Conference Location:** Houston, TX

**ISSN:** 0921-4526

**DOI:** 10.1016/j.physb.2007.10.186

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**Record 42 of 237**

**Author(s):** Prescimone, A (Prescimone, Alessandro); Milios, CJ (Milios, Constantinos J.); Moggach, S (Moggach, Stephen); Warren, JE (Warren, John E.); Lennie, AR (Lennie, Alistair R.); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, K (Kamenev, Konstantin); Bircher, R (Bircher, Roland); Murrie, M (Murrie, Mark); Parsons, S (Parsons, Simon); Brechin, EK (Brechin, Euan K.)

**Title:** [Mn-6] under pressure: A combined crystallographic and magnetic study

**Source:** ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, 47 (15): 2828-2831 2008

**ISSN:** 1433-7851

**DOI:** 10.1002/anie.200705819

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**Record 43 of 237**

**Author(s):** Sanchez, D (Sanchez, D.); Calderon, MJ (Calderon, M. J.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Williams, AJ (Williams, A. J.); Attfield, JP (Attfield, J. P.); Midgley, PA (Midgley, P. A.); Mathur, ND (Mathur, N. D.)

**Title:** Limited local electron-lattice coupling in manganites: An electron diffraction study

**Source:** PHYSICAL REVIEW B, 77 (9): Art. No. 092411 MAR 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.77.092411

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**Record 44 of 237**

**Author(s):** Milios, CJ (Milios, Constantinos J.); Piligkos, S (Piligkos, Stergios); Brechin, EK (Brechin, Euan K.)

**Title:** Ground state spin-switching via targeted structural distortion: twisted single-molecule magnets from derivatised salicylaldoximes

**Source:** DALTON TRANSACTIONS, (14): 1809-1817 2008

**ISSN:** 1477-9226

**DOI:** 10.1039/b716355j

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**Record 45 of 237**

**Author(s):** Ortega-San-Martin, L (Ortega-San-Martin, L.); Williams, AJ (Williams, A. J.); Gordon, CD (Gordon, C. D.); Klemme, S (Klemme, S.); Attfield, JP (Attfield, J. P.)

**Title:** Low temperature neutron diffraction study of MgCr<sub>2</sub>O<sub>4</sub> spinel

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 20 (10): Art. No. 104238 MAR 12 2008

**Conference Title:** 4th European Conference on Neutron Scattering

**Conference Date:** JUN, 2007

**Conference Location:** Lund, SWEDEN

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/20/10/104238

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**Record 46 of 237**

**Author(s):** Olariu, A (Olariu, A.); Mendels, P (Mendels, P.); Bert, F (Bert, F.); Duc, F (Duc, F.); Trombe, JC (Trombe, J. C.); de Vries, MA (de Vries, M. A.); Harrison, A (Harrison, A.)

**Title:** O-17 NMR study of the intrinsic magnetic susceptibility and spin dynamics of the quantum kagome

antiferromagnet ZnCu<sub>3</sub>(OH)<sub>6</sub>Cl<sub>2</sub>

**Source:** PHYSICAL REVIEW LETTERS, 100 (8): Art. No. 087202 FEB 29 2008

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.100.087202

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**Author(s):** Hertz, JT (Hertz, J. T.); Huang, Q (Huang, Q.); McQueen, T (McQueen, T.); Klimczuk, T (Klimczuk, T.); Bos, JWG (Bos, J. W. G.); Viciu, L (Viciu, L.); Cava, RJ (Cava, R. J.)

**Title:** Magnetism and structure of Li<sub>x</sub>CoO<sub>2</sub> and comparison to Na<sub>x</sub>CoO<sub>2</sub>

**Source:** PHYSICAL REVIEW B, 77 (7): Art. No. 075119 FEB 2008

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.77.075119

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**Author(s):** Carlsson, SJE (Carlsson, Sandra J. E.); Azuma, M (Azuma, Masaki); Shimakawa, Y (Shimakawa, Yulchi); Takano, M (Takano, Miklo); Hewat, A (Hewat, Alan); Attfield, JP (Attfield, J. Paul)

**Title:** Neutron powder diffraction study of the crystal and magnetic structures of BiNiO<sub>3</sub> at low temperature

**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 181 (3): 611-615 MAR 2008

**ISSN:** 0022-4596

**DOI:** 10.1016/j.jssc.2007.12.037

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**Author(s):** Moggach, SA (Moggach, Stephen A.); Allan, DR (Allan, David R.); Parsons, S (Parsons, Simon); Warren, JE (Warren, John E.)

**Title:** Incorporation of a new design of backing seat and anvil in a Merrill-Bassett diamond anvil cell

**Source:** JOURNAL OF APPLIED CRYSTALLOGRAPHY, 41: 249-251 Part 2 APR 2008

**ISSN:** 0021-8898

**DOI:** 10.1107/S0021889808000514

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**Author(s):** Klemme, S (Klemme, Stephan); Prowatke, S (Prowatke, Stefan); Munker, C (Muenker, Carsten); Magee, CW (Magee, Charles W.); Lahaye, Y (Lahaye, Yann); Zack, T (Zack, Thomas); Kasemann, SA (Kasemann, Simone A.); Cabato, EJA (Cabato, E. Joan A.); Kaeser, B (Kaeser, Benjamin)

**Title:** Synthesis and preliminary characterisation of new silicate, phosphate and titanite reference glasses

**Source:** GEOSTANDARDS AND GEOANALYTICAL RESEARCH, 32 (1): 39-54 MAR 2008

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**Author(s):** Jorge, AB (Jorge, A. Belen); Fraxedas, J (Fraxedas, Jordi); Cantarero, A (Cantarero, Andres); Williams, AJ (Williams, Anthony J.); Rodgers, J (Rodgers, Jennifer); Attfield, JP (Attfield, J. Paul); Fuertes, A (Fuertes, Amparo)

**Title:** Nitrogen doping of ceria

**Source:** CHEMISTRY OF MATERIALS, 20 (5): 1682-1684 MAR 11 2008

**ISSN:** 0897-4756

**DOI:** 10.1021/cm7028678

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**Author(s):** Sanloup, C (Sanloup, Chrysteile); Gregoryanz, E (Gregoryanz, Eugene); Degtyareva, O (Degtyareva, Olga); Hanfland, M (Hanfland, Michael)

**Title:** Structural transition in compressed amorphous sulfur

**Source:** PHYSICAL REVIEW LETTERS, 100 (7): Art. No. 075701 FEB 22 2008

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.100.075701

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**Author(s):** Cascales, C (Cascales, Concepcion); de Andres, A (de Andres, Alicia); Sanchez-Benitez, J (Sanchez-Benitez, Javier)

**Title:** Effects of high pressure on the luminescence spectra of Eu(SO<sub>4</sub>)<sub>2</sub>·center dot NH<sub>4</sub> microcrystals: Anisotropically induced structural distortions

**Source:** JOURNAL OF PHYSICAL CHEMISTRY A, 112 (7): 1464-1472 FEB 21 2008

**ISSN:** 1089-5639

**DOI:** 10.1021/jp710044p

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**Author(s):** Fabbiani, FPA (Fabbiani, Francesca P. A.); Allan, DR (Allan, David R.); Dawson, A (Dawson, Alice); Francis, DJ (Francis, Duncan J.); Marshall, WG (Marshall, William G.); Pullham, CR (Pullham, Colin R.)

**Title:** A high-pressure form of sulfuric acid monohydrate as determined by X-ray and neutron diffraction

**Source:** INORGANICA CHIMICA ACTA, 361 (2): 487-494 JAN 15 2008

**ISSN:** 0020-1693

**DOI:** 10.1016/j.ica.2007.05.006

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**Author(s):** Kimber, SAJ (Kimber, Simon A. J.); de Vries, MA (de Vries, Mark A.); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Attfield, JP (Attfield, J. Paul)

**Title:** Triplet dimerization crossover driven by magnetic frustration in In<sub>2</sub>VO<sub>5</sub>

**Source:** PHYSICAL REVIEW B, 77 (1): Art. No. 014428 JAN 2008

**ISSN:** 1098-0121

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**Author(s):** Loveday, JS (Loveday, J. S.); Nelmes, RJ (Nelmes, R. J.)

**Title:** High-pressure gas hydrates

**Source:** PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 10 (7): 937-950 2008

**ISSN:** 1463-9076

**DOI:** 10.1039/b704740a

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**Author(s):** Wood, PA (Wood, Peter A.); Haynes, DA (Haynes, Delia A.); Lennie, AR (Lennie, Alistair R.); Motherwell, WDS (Motherwell, W. D. Samuel); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Warrens, JE (Warrens, John E.)

**Title:** The anisotropic compression of the crystal structure of 3-aza-bicyclo(3.3.1)nonane-2,4-dione to 7.1 GPa

**Source:** CRYSTAL GROWTH & DESIGN, 8 (2): 549-558 FEB 2008

**ISSN:** 1528-7483

**DOI:** 10.1021/cg0705815

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**Author(s):** Davidson, AJ (Davidson, Alistair J.); Oswald, IDH (Oswald, Iain D. H.); Francis, DJ (Francis, Duncan J.); Lennie, AR (Lennie, Alistair R.); Marshall, WG (Marshall, William G.); Millar, DIA (Millar, David I. A.); Pulham, CR (Pulham, Colin R.); Warren, JE (Warren, John E.); Cumming, AS (Cumming, Adam S.)

**Title:** Explosives under pressure - the crystal structure of gamma-RDX as determined by high-pressure X-ray and neutron diffraction

**Source:** CRYSTENGCOMM, 10 (2): 162-165 2008

**ISSN:** 1466-8033

**DOI:** 10.1039/b715677b

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**Author(s):** Wood, PA (Wood, Peter A.); Forgan, RS (Forgan, Ross S.); Lennie, AR (Lennie, Alistair R.); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Tasker, PA (Tasker, Peter A.); Warren, JE (Warren, John E.)

**Title:** The effect of pressure and substituents on the size of pseudo-macrocyclic cavities in salicylaldehyde ligands

**Source:** CRYSTENGCOMM, 10 (2): 239-251 2008

**ISSN:** 1466-8033

**DOI:** 10.1039/b712397c

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**Author(s):** de Andres, A (de Andres, A.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Cascales, C (Cascales, C.); Snejko, N (Snejko, N.); Gutierrez-Puebla, E (Gutierrez-Puebla, E.); Monge, A (Monge, A.)

**Title:** Pressure induced structural transformations in catalytically active NH<sub>4</sub>[Eu(SO<sub>4</sub>)<sub>2</sub>] studied by light scattering

**Source:** CHEMICAL PHYSICS LETTERS, 451 (1-3): 106-110 JAN 14 2008

**ISSN:** 0009-2614

**DOI:** 10.1016/j.cplett.2007.11.078

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**Author(s):** Komatsu, K (Komatsu, K.); Kagi, H (Kagi, H.); Marshall, WG (Marshall, W. G.); Kuribayashi, T (Kuribayashi, T.); Parise, JB (Parise, J. B.); Kudoh, Y (Kudoh, Y.)

**Title:** Pressure dependence of the hydrogen-bond geometry in topaz-OD from neutron powder diffraction

**Source:** AMERICAN MINERALOGIST, 93 (1): 217-227 JAN 2008

**ISSN:** 0003-004X

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**Author(s):** Ortega-San-Martin, L (Ortega-San-Martin, Luis); Williams, AJ (Williams, Anthony J.); Rodgers, J (Rodgers, Jennifer); Attfield, JP (Attfield, J. Paul); Heymann, G (Heymann, Gunter); Huppertz, H (Huppertz, Hubert)

**Title:** Microstrain sensitivity of orbital and electronic phase separation in SrCrO<sub>3</sub>

**Source:** PHYSICAL REVIEW LETTERS, 99 (25): Art. No. 255701 DEC 21 2007

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.99.255701

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**Author(s):** Volmer, M (Volmer, M.); Sternemann, C (Sternemann, C.); Tse, JS (Tse, J. S.); Buslaps, T (Buslaps, T.); Hiraoka, N (Hiraoka, N.); Bull, CL (Bull, C. L.); Gryko, J (Gryko, J.); McMillan, PF (McMillan, P. F.); Paulus, M (Paulus, M.); Tolan, M (Tolan, M.)

**Title:** Charge transfer in silicon clathrates studied by Compton scattering

**Source:** PHYSICAL REVIEW B, 76 (23): Art. No. 233104 DEC 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.76.233104

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**Record 64 of 237**

**Author(s):** Nilsen, GJ (Nilsen, G. J.); Ronnow, HM (Ronnow, H. M.); Lauchli, AM (Lauechli, A. M.); Fabbiani, FPA

(Fabbiani, F. P. A.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Kamenev, KV (Kamenev, K. V.); Harrison, A (Harrison, A.)

**Title:** A new realisation of the S=1/2 frustrated chain antiferromagnet

**Source:** CHEMISTRY OF MATERIALS, 20 (1): 8-10 JAN 8 2008

**ISSN:** 0897-4756

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**Author(s):** Monthoux, P (Monthoux, P.); Pines, D (Pines, D.); Lonzarich, GG (Lonzarich, G. G.)

**Title:** Superconductivity without phonons

**Source:** NATURE, 450 (7173): 1177-1183 DEC 20 2007

**ISSN:** 0028-0836

**DOI:** 10.1038/nature06480

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**Title:** Pressure-induced intermetallic valence transition in BiNiO<sub>3</sub>

**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 129 (46): 14433-14436 NOV 21 2007

**ISSN:** 0002-7863

**DOI:** 10.1021/ja074880u

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**Author(s):** Maniatakou, A (Maniatakou, Adamantia); Parsons, S (Parsons, Simon); Karaliota, A (Karaliota, Alexandra)

**Title:** Photosensitized oxidation of bromide to bromine catalyzed by niobium pentachloride in methanol solution - Formation and crystal structure of the tetraphenylphosphonium tribromide

**Source:** JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, 192 (1): 29-35 NOV 15 2007

**ISSN:** 1010-6030

**DOI:** 10.1016/j.jphotochem.2007.02.032

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**Author(s):** Kimber, SAJ (Kimber, Simon A. J.); Attfield, JP (Attfield, J. Paul)

**Title:** Magnetic order in acentric Pb<sub>2</sub>MnO<sub>4</sub>

**Source:** JOURNAL OF MATERIALS CHEMISTRY, 17 (46): 4885-4888 2007

**ISSN:** 0959-9428

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**Author(s):** Santoro, M (Santoro, Mario); Gregoryanz, E (Gregoryanz, Eugene); Mao, HK (Mao, Ho-Kwang); Hemley, RJ (Hemley, Russell J.)

**Title:** Anomalous optical emission in hot dense oxygen

**Source:** SOLID STATE COMMUNICATIONS, 144 (5-6): 225-229 NOV 2007

**ISSN:** 0038-1098

**DOI:** 10.1016/j.ssc.2007.08.032

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**Author(s):** McMahon, MI (McMahon, M. I.); Gregoryanz, E (Gregoryanz, E.); Lundegaard, LF (Lundegaard, L. F.); Loa, I (Loa, I.); Guillaume, C (Guillaume, C.); Nelmes, RJ (Nelmes, R. J.); Kleppe, AK (Kleppe, A. K.); Amboage, M

(Amboage, M.); Wilhelm, H (Wilhelm, H.); Jephcoat, AP (Jephcoat, A. P.)

**Title:** Structure of sodium above 100 GPa by single-crystal x-ray diffraction

**Source:** PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 104 (44): 17297-17299 OCT 30 2007

**ISSN:** 0027-8424

**DOI:** 10.1073/pnas.0709309104

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**Author(s):** Vanpeteghem, CB (Vanpeteghem, C. B.); Sano, A (Sano, A.); Komatsu, K (Komatsu, K.); Ohtani, E (Ohtani, E.); Suzuki, A (Suzuki, A.)

**Title:** Neutron diffraction study of aluminous hydroxide delta-AlOOD

**Source:** PHYSICS AND CHEMISTRY OF MINERALS, 34 (9): 657-661 NOV 2007

**ISSN:** 0342-1791

**DOI:** 10.1007/s00269-007-0180-8

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**Author(s):** Loa, I (Loa, I.); Wang, X (Wang, X.); Syassen, K (Syassen, K.); Roth, H (Roth, H.); Lorenz, T (Lorenz, T.); Hanfland, M (Hanfland, M.); Mathis, YL (Mathis, Y-L)

**Title:** Crystal structure and the Mott-Hubbard gap in YTiO<sub>3</sub> at high pressure

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 19 (40): Art. No. 406223 OCT 10 2007

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/19/40/406223

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**Author(s):** Vidal, K (Vidal, Kannele); Rodriguez-Martinez, LM (Rodriguez-Martinez, Lide M.); Ortega-San-Martin, L (Ortega-San-Martin, Luis); Diez-Linaza, E (Diez-Linaza, Estibaliz); No, ML (Luisa No, Maria); Rojo, T (Rojo, Teofilo); Laresgoiti, A (Laresgoiti, Ander); Arriortua, MI (Isabel Arriortua, Maria)

**Title:** Isolating the effect of doping in the structure and conductivity of (Ln(1-x),M-x)FeO<sub>3</sub>-delta perovskites

**Source:** SOLID STATE IONICS, 178 (21-22): 1310-1316 JUL 31 2007

**ISSN:** 0167-2738

**DOI:** 10.1016/j.ssi.2007.06.015

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**Author(s):** Degtyareva, O (Degtyareva, O.); Magnitskaya, MV (Magnitskaya, M. V.); Kohanoff, J (Kohanoff, J.); Profeta, G (Profeta, G.); Scandolo, S (Scandolo, S.); Hanfland, M (Hanfland, M.); McMahon, MI (McMahon, M. I.); Gregoryanz, E (Gregoryanz, E.)

**Title:** Competition of charge-density waves and superconductivity in sulfur

**Source:** PHYSICAL REVIEW LETTERS, 99 (15): Art. No. 155505 OCT 12 2007

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.99.155505

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**Author(s):** McLaughlin, AC (McLaughlin, A. C.); Sher, F (Sher, F.); Kimber, SAJ (Kimber, S. A. J.); Attfield, JP (Attfield, J. P.)

**Title:** Induced antiferromagnetism and large magnetoresistance in RuSr<sub>2</sub>(Nd,Y,Ce)<sub>2</sub>Cu<sub>2</sub>O<sub>10</sub>-delta ruthenocuprates

**Source:** PHYSICAL REVIEW B, 76 (9): Art. No. 094514 SEP 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.76.094514

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**Author(s):** Sanloup, C (Sanloup, C.); Schmidt, B (Schmidt, B.); Dewaele, A (Dewaele, A.); Gudfinnsson, G (Gudfinnsson, G.); Mezouar, M (Mezouar, M.)

**Title:** Reactivity of heavy rare gases with silicates at deep Earth conditions

**Source:** GEOCHIMICA ET COSMOCHIMICA ACTA, 71 (15): A875-A875 Suppl. S AUG 2007

**Conference Title:** 17th Annual V M Goldschmidt Conference

**Conference Date:** AUG, 2007

**Conference Location:** Cologne, GERMANY

**ISSN:** 0016-7037

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**Author(s):** Sano, Y (Sano, Y.); Nakajima, J (Nakajima, J.)

**Title:** Geographical distribution of helium isotope ratios and seismic tomography in Japan

**Source:** GEOCHIMICA ET COSMOCHIMICA ACTA, 71 (15): A875-A875 Suppl. S AUG 2007

**Conference Title:** 17th Annual V M Goldschmidt Conference

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**Author(s):** Loa, I (Loa, I.); Lundegaard, LF (Lundegaard, L. F.); McMahon, MI (McMahon, M. I.); Evans, SR (Evans, S. R.); Bossak, A (Bossak, A.); Krisch, M (Krisch, M.)

**Title:** Lattice dynamics of incommensurate composite Rb-IV and a realization of the monatomic linear chain model

**Source:** PHYSICAL REVIEW LETTERS, 99 (3): Art. No. 035501 JUL 20 2007

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.99.035501

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**Author(s):** Degtyareva, O (Degtyareva, Olga); Canales, MM (Martinez Canales, Miguel); Bergara, A (Bergara, Aitor); Chen, XJ (Chen, Xiao-Jia); Song, Y (Song, Yang); Struzhkin, VV (Struzhkin, Viktor V.); Mao, HK (Mao, Ho-kwang); Hemley, RJ (Hemley, Russell J.)

**Title:** Crystal structure of SiH<sub>4</sub> at high pressure

**Source:** PHYSICAL REVIEW B, 76 (6): Art. No. 064123 AUG 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.76.064123

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**Author(s):** Ferguson, A (Ferguson, Alan); Parkin, A (Parkin, Andrew); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, K (Kamenev, Konstantin); Wernsdorfer, W (Wernsdorfer, Wolfgang); Murrie, M (Murrie, Mark)

**Title:** A mixed-valence Co-7 single-molecule magnet with C-3 symmetry

**Source:** CHEMICAL COMMUNICATIONS, (33): 3473-3475 2007

**ISSN:** 1359-7345

**DOI:** 10.1039/b706238a

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**Author(s):** Prasankumar, RP (Prasankumar, R. P.); Zvyagin, S (Zvyagin, S.); Kamenev, KV (Kamenev, K. V.); Balakrishnan, G (Balakrishnan, G.); Paul, DM (Paul, D. Mck.); Taylor, PAJ (Taylor, Paul A. J.); Averitt, RD (Averitt, R. D.)

**Title:** Phase inhomogeneities in the charge-orbital-ordered manganite Nd<sub>0.5</sub>Sr<sub>0.5</sub>MnO<sub>3</sub> revealed through polaron

dynamics

**Source:** PHYSICAL REVIEW B, 76 (2): Art. No. 020402 JUL 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.76.020402

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**Author(s):** Falcon, H (Falcon, H.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Martinez-Lope, MJ (Martinez-Lope, M. J.); Alonso, JA (Alonso, J. A.); Krezhov, K (Krezhov, K.); Spirov, I (Spirov, I.); Ruskov, T (Ruskov, T.)

**Title:** Neutron diffraction, Mossbauer and magnetotransport study of Fe-substituted derivatives of CaCu<sub>3</sub>Mn<sub>4</sub>O<sub>12</sub> perovskite with colossal magnetoresistance

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 19 (35): Art. No. 356209 SEP 5 2007

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/19/35/356209

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**Author(s):** Retuerto, M (Retuerto, M.); Garcia-Hernandez, M (Garcia-Hernandez, M.); Martinez-Lopez, MJ (Martinez-Lopez, M. J.); Fernandez-Diaz, MT (Fernandez-Diaz, M. T.); Attfield, JP (Attfield, J. P.); Alonso, JA (Alonso, J. A.)

**Title:** Switching from ferro- to antiferromagnetism in A(2)CrSbO(6) (A = Ca, Sr) double perovskites: a neutron diffraction study

**Source:** JOURNAL OF MATERIALS CHEMISTRY, 17 (33): 3555-3561 2007

**ISSN:** 0959-9428

**DOI:** 10.1039/b705797k

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**Author(s):** McLaughlin, AC (McLaughlin, A. C.); Attfield, JP (Attfield, J. P.)

**Title:** A variable field neutron study of the negative magnetoresistive ruthenocuprate RuSr<sub>2</sub>Nd<sub>0.9</sub>Y<sub>0.2</sub>Ce<sub>0.9</sub>Cu<sub>2</sub>O<sub>10-δ</sub>

**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 310 (2): 1961-1962 Part 3 MAR 2007

**ISSN:** 0304-8853

**DOI:** 10.1016/j.jmmm.2006.10.875

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**Author(s):** Komatsu, K (Komatsu, K.); Kagi, H (Kagi, H.); Nagai, T (Nagai, T.); Kuribayashi, T (Kuribayashi, T.); Parise, JB (Parise, J. B.); Kudoh, Y (Kudoh, Y.)

**Title:** Single-crystal X-ray diffraction study of high-pressure phases of KHCO<sub>3</sub>

**Source:** AMERICAN MINERALOGIST, 92 (8-9): 1270-1275 AUG-SEP 2007

**ISSN:** 0003-004X

**DOI:** 10.2138/am.2007.2392

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**Author(s):** Allan, DR (Allan, D. R.); Marshall, WG (Marshall, W. G.); Pulham, CR (Pulham, C. R.)

**Title:** The high-pressure crystal structure of potassium hydrogen carbonate (KHCO<sub>3</sub>)

**Source:** AMERICAN MINERALOGIST, 92 (7): 1018-1025 JUL 2007

**ISSN:** 0003-004X

**DOI:** 10.2138/am.2007.2336

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**Author(s):** Benna, P (Benna, P.); Nestola, F (Nestola, Fabrizio); Ballaran, TB (Ballaran, Tiziana Boffa); Balic-Zunic, T (Balic-Zunic, Tonci); Lundegaard, LF (Lundegaard, Lars Fahl); Bruno, E (Bruno, Emiliano)

**Title:** High-pressure structural configurations of Ca<sub>0.2</sub>Sr<sub>0.8</sub>Al<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>, feldspar: The I(1)over-bar-I2/c and I2/c-P2(1)/c phase transitions

**Source:** AMERICAN MINERALOGIST, 92 (7): 1190-1199 JUL 2007

**ISSN:** 0003-004X

**DOI:** 10.2138/am.2007.2402

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**Author(s):** Goncharov, AF (Goncharov, Alexander F.); Crowhurst, JC (Crowhurst, Jonathan C.); Dewhurst, JK (Dewhurst, John K.); Sharma, S (Sharma, Sangeeta); Sanloup, C (Sanloup, Chrystelee); Gregoryanz, E (Gregoryanz, Eugene); Guignot, N (Guignot, Nicolas); Mezouar, M (Mezouar, Mohamed)

**Title:** Thermal equation of state of cubic boron nitride: Implications for a high-temperature pressure scale

**Source:** PHYSICAL REVIEW B, 75 (22): Art. No. 224114 JUN 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.75.224114

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**Author(s):** Meller, N (Meller, Nicola); Hall, C (Hall, Christopher); Kyritsis, K (Kyritsis, Konstantinos); Giriat, G (Giriat, Gaetan)

**Title:** Synthesis of cement based CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-H<sub>2</sub>O(CASH) hydroceramics at 200 and 250 degrees C: Ex-situ and in-situ diffraction

**Source:** CEMENT AND CONCRETE RESEARCH, 37 (6): 823-833 JUN 2007

**ISSN:** 0008-8846

**DOI:** 10.1016/j.cemconres.2007.03.006

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**Author(s):** McMahon, MI (McMahon, M. I.); Degtyareva, O (Degtyareva, O.); Nelmes, RJ (Nelmes, R. J.)

**Title:** Incommensurate modulations of Bi-III and Sb-II

**Source:** PHYSICAL REVIEW B, 75 (18): Art. No. 184114 MAY 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.75.184114

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**Author(s):** McLaughlin, AC (McLaughlin, A. C.); Begg, L (Begg, L.); McCue, AJ (McCue, A. J.); Attfield, JP (Attfield, J. P.)

**Title:** Enhancement of large magnetoresistances in ruthenocuprates by Ta substitution

**Source:** CHEMICAL COMMUNICATIONS, (22): 2273-2274 JUN 14 2007

**ISSN:** 1359-7345

**DOI:** 10.1039/b617872c

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**Author(s):** Cox, S (Cox, S.); Lashley, JC (Lashley, J. C.); Rosten, E (Rosten, E.); Singleton, J (Singleton, J.); Williams, AJ (Williams, A. J.); Littlewood, PB (Littlewood, P. B.)

**Title:** Evidence for the charge-density-wave nature of the stripe phase in manganites

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 19 (19): Art. No. 192201 MAY 16 2007

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/19/192201

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**Author(s):** Eeckhout, SG (Eeckhout, Sigrid Griet); Bolfan-Casanova, N (Bolfan-Casanova, Nathalie); McCammon, C



(McCammon, Catherine); Klemme, S (Klemme, Stephan); Amiguet, E (Amiguet, Elodie)  
**Title:** XANES study of the oxidation state of Cr in lower mantle phases: Periclase and magnesium silicate perovskite  
**Source:** AMERICAN MINERALOGIST, 92 (5-6): 966-972 MAY-JUN 2007  
**ISSN:** 0003-004X  
**DOI:** 10.2138/am.2007.2318

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**Author(s):** Gregoryanz, E (Gregoryanz, Eugene); Goncharov, AF (Goncharov, Alexander F.); Sanloup, C (Sanloup, Chrystele); Somayazulu, M (Somayazulu, Maddury); Mao, HK (Mao, Ho-kwang); Hemley, RJ (Hemley, Russell J.)  
**Title:** High P-T transformations of nitrogen to 170 GPa  
**Source:** JOURNAL OF CHEMICAL PHYSICS, 126 (18): Art. No. 184505 MAY 14 2007  
**ISSN:** 0021-9606  
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**Author(s):** Fabbiani, FPA (Fabbiani, Francesca P. A.); Allan, DR (Allan, David R.); David, WIF (David, William I. F.); Davidson, AJ (Davidson, Alistair J.); Lennie, AR (Lennie, Alistair R.); Parsons, S (Parsons, Simon); Pulham, CR (Pulham, Colin R.); Warren, JE (Warren, John E.)  
**Title:** High-pressure studies of pharmaceuticals: An exploration of the behavior of piracetam  
**Source:** CRYSTAL GROWTH & DESIGN, 7 (6): 1115-1124 JUN 2007  
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**DOI:** 10.1021/cg0607710

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**Title:** Synthesis of two dicopper(II) complexes of L-carnitine: The first structural determination of a metal complex containing L-carnitine  
**Source:** POLYHEDRON, 26 (7): 1397-1403 MAY 1 2007  
**ISSN:** 0277-5387  
**DOI:** 10.1016/j.poly.2006.11.010

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**Author(s):** Morgan, BJ (Morgan, Benjamin J.); Madden, PA (Madden, Paul A.)  
**Title:** A molecular dynamics study of structural relaxation in tetrahedrally coordinated nanocrystals  
**Source:** PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 9 (19): 2355-2361 2007  
**ISSN:** 1463-9076  
**DOI:** 10.1039/b701267e

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**Author(s):** Eerenstein, W (Eerenstein, W.); Morrison, FD (Morrison, F. D.); Sher, F (Sher, F.); Prieto, JL (Prieto, J. L.); Attfield, JP (Attfield, J. P.); Scott, JF (Scott, J. F.); Mathur, ND (Mathur, N. D.)  
**Title:** Experimental difficulties and artefacts in multiferroic and magnetoelectric thin films of BiFeO<sub>3</sub>, Bi<sub>0.6</sub>Tb<sub>0.3</sub>La<sub>0.1</sub>FeO<sub>3</sub> and BiMnO<sub>3</sub>  
**Source:** PHILOSOPHICAL MAGAZINE LETTERS, 87 (3-4): 249-257 2007  
**ISSN:** 0950-0839  
**DOI:** 10.1080/09500830601173053

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**Author(s):** Mendelev, MI (Mendelev, M. I.); Ackland, GJ (Ackland, G. J.)

**Title:** Development of an interatomic potential for the simulation of phase transformations in zirconium  
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**ISSN:** 0950-0839  
**DOI:** 10.1080/09500830701191393

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**Author(s):** Margadonna, S (Margadonna, Serena); Karotsis, G (Karotsis, Georgios)  
**Title:** High temperature orbital order melting in KCrF<sub>3</sub> perovskite  
**Source:** JOURNAL OF MATERIALS CHEMISTRY, 17 (19): 2013-2020 2007  
**ISSN:** 0959-9428  
**DOI:** 10.1039/b700487g

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**Author(s):** Kamenev, KV (Kamenev, K. V.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Tancharakorn, S (Tancharakorn, S.)

**Title:** Miniature diamond anvil cell for He-3 insert into quantum design physical property measurement system

**Source:** HIGH PRESSURE RESEARCH, 27 (1): 189-192 MAR 2007

**Conference Title:** 44th Annual Meeting of the European-High-Pressure-Research-Group Meeting (EHPRG 44)

**Conference Date:** SEP 04-08, 2006

**Conference Location:** Prague, CZECH REPUBLIC

**ISSN:** 0895-7959

**DOI:** 10.1080/08957950601000054

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**Author(s):** Morgan, BJ (Morgan, Benjamin J.); Madden, PA (Madden, Paul A.)

**Title:** Pressure-driven phase transitions in crystalline nanoparticles: Surface effects on hysteresis

**Source:** JOURNAL OF PHYSICAL CHEMISTRY C, 111 (18): 6724-6731 MAY 10 2007

**ISSN:** 1932-7447

**DOI:** 10.1021/jp0714670

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**Author(s):** Komatsu, K (Komatsu, Kazuki); Kuribayashi, T (Kuribayashi, Takahiro); Kudoh, Y (Kudoh, Yasuhiro); Kagi, H (Kagi, Hiroyuki)

**Title:** Crystal structures of high-pressure phases in the alumina-water system: I. Single crystal X-ray diffraction and molecular dynamics simulation of eta-Al(OH)(3)

**Source:** ZEITSCHRIFT FUR KRISTALLOGRAPHIE, 222 (1): 1-12 2007

**ISSN:** 0044-2968

**DOI:** 10.1524/akri.2007.222.1.1

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**Author(s):** Komatsu, K (Komatsu, Kazuki); Sano, A (Sano, Asami); Momma, K (Momma, Koichi); Ohtani, E (Ohtani, Eiji); Kudoh, Y (Kudoh, Yasuhiro)

**Title:** Crystal structures of high-pressure phases in the alumina-water system: II. Powder X-ray diffraction study of a new dense aluminum deuterioxide, delta-Al(OD)(3)

**Source:** ZEITSCHRIFT FUR KRISTALLOGRAPHIE, 222 (1): 13-22 2007

**ISSN:** 0044-2968

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**Author(s):** Kimber, SAJ (Kimber, Simon A. J.); Attfield, JP (Attfield, J. Paul)

**Title:** Disrupted antiferromagnetism in the brannerite MnV2O6

**Source:** PHYSICAL REVIEW B, 75 (6): Art. No. 064406 FEB 2007

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.75.064406

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**Author(s):** Degtyareva, O (Degtyareva, Olga); Hernandez, ER (Hernandez, Eduardo R.); Serrano, J (Serrano, Jorge);

Somayazulu, M (Somayazulu, Maddury); Mao, HK (Mao, Ho-Kwang); Gregoryanz, E (Gregoryanz, Eugene); Hemley, RJ (Hemley, Russell J.)

**Title:** Vibrational dynamics and stability of the high-pressure chain and ring phases in S and Se

**Source:** JOURNAL OF CHEMICAL PHYSICS, 126 (8): Art. No. 084503 FEB 28 2007

**ISSN:** 0021-9606

**DOI:** 10.1063/1.2433944

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**Record 107 of 237**

**Author(s):** Klemme, S (Klemme, Stephan); Ahrens, M (Ahrens, Martin)

**Title:** Low-temperature heat capacities of MgAl2O4 and spinels of the MgCr2O4-MgAl2O4 solid solution

**Source:** PHYSICS AND CHEMISTRY OF MINERALS, 34 (2): 59-72 MAR 2007

**ISSN:** 0342-1791

**DOI:** 10.1007/s00269-006-0128-4

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**Record 108 of 237**

**Author(s):** Mendels, P (Mendels, P.); Bert, F (Bert, F.); de Vries, MA (de Vries, M. A.); Olariu, A (Olariu, A.);

Harrison, A (Harrison, A.); Duc, F (Duc, F.); Trombe, JC (Trombe, J. C.); Lord, JS (Lord, J. S.); Amato, A (Amato, A.); Baines, C (Baines, C.)

**Title:** Quantum magnetism in the paratacamite family: Towards an ideal kagome lattice

**Source:** PHYSICAL REVIEW LETTERS, 98 (7): Art. No. 077204 FEB 16 2007

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.98.077204

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**Author(s):** Aldous, DW (Aldous, David W.); Goff, RJ (Goff, Richard J.); Attfield, JP (Attfield, J. Paul); Lightfoot, P (Lightfoot, Philip)

**Title:** Novel vanadium(IV) oxyfluorides with 'spin-ladder'-like structures, and their relationship to (VO)(2)P2O7

**Source:** INORGANIC CHEMISTRY, 46 (4): 1277-1282 FEB 19 2007

**ISSN:** 0020-1669

**DOI:** 10.1021/ic0617386

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**Author(s):** Taylor, A (Taylor, Andrew); Dunne, M (Dunne, Mike); Bennington, S (Bennington, Steve); Ansell, S (Ansell, Stuart); Gardner, I (Gardner, Ian); Norreys, P (Norreys, Peter); Broome, T (Broome, Tim); Findlay, D (Findlay, David); Nelmes, R (Nelmes, Richard)

**Title:** A route to the brightest possible neutron source?

**Source:** SCIENCE, 315 (5815): 1092-1095 FEB 23 2007

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**DOI:** 10.1126/science.1127185

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**Author(s):** Demazeau, G (Demazeau, Gerard); Huppertz, H (Huppertz, Hubert); Alonso, JA (Alonso, Jose A.); Pottgen, R (Poettgen, Rainer); Moran, E (Moran, Emilio); Attfield, JP (Attfield, J. Paul)

**Title:** Materials chemistry under high pressures - Some recent aspects

**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, 61 (12): 1457-1470 DEC 2006

**ISSN:** 0932-0776

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**Record 112 of 237**

**Author(s):** Alonso, JA (Alonso, Jose Antonio); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Falcon, H (Falcon, Horacio); Martinez-Lope, MJ (Martinez-Lope, Maria Jesus); Munoz, A (Munoz, Angel)  
**Title:** Moderate-pressure synthesis and neutron diffraction study of new metastable oxides  
**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, 61 (12): 1507-1514 DEC 2006  
**ISSN:** 0932-0776

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**Record 113 of 237**

**Author(s):** Rodgers, JA (Rodgers, Jennifer A.); Williams, AJ (Williams, Anthony J.); Attfield, JP (Attfield, J. Paul)  
**Title:** High-pressure/high-temperature synthesis of transition metal oxide perovskites  
**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, 61 (12): 1515-1526 DEC 2006  
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**Author(s):** Degtyareva, O (Degtyareva, Olga); Struzhkin, VV (Struzhkin, Viktor V.); Hemley, RJ (Hemley, Russell J.)  
**Title:** High-pressure Raman spectroscopy of antimony: As-type, incommensurate host-guest, and bcc phases  
**Source:** SOLID STATE COMMUNICATIONS, 141 (3): 164-167 JAN 2007  
**ISSN:** 0038-1098  
**DOI:** 10.1016/j.ssc.2006.10.009

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**Author(s):** Margadonna, S (Margadonna, Serena); Karotsis, G (Karotsis, Georgios)  
**Title:** Cooperative Jahn-Teller distortion, phase transitions, and weak ferromagnetism in the KCrF3 perovskite  
**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 128 (51): 16436-16437 DEC 27 2006  
**ISSN:** 0002-7863  
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**Author(s):** Hejny, C (Hejny, C.); Falconi, S (Falconi, S.); Lundegaard, LF (Lundegaard, L. F.); McMahon, MI (McMahon, M. L.)  
**Title:** Phase transitions in tellurium at high pressure and temperature  
**Source:** PHYSICAL REVIEW B, 74 (17): Art. No. 174119 NOV 2006  
**ISSN:** 1098-0121  
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**Author(s):** Leonov, I (Leonov, I.); Yaresko, AN (Yaresko, A. N.); Antonov, VN (Antonov, V. N.); Attfield, JP (Attfield, J. P.); Anisimov, VI (Anisimov, V. I.)  
**Title:** Reply to "Comment on 'Charge order in Fe2OBO3: An LSDA+U study'"  
**Source:** PHYSICAL REVIEW B, 74 (17): Art. No. 176402 NOV 2006  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.74.176402

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**Author(s):** Osterwalder, J (Osterwalder, Juerg); Tamai, A (Tamai, Anna); Auwarter, W (Auwarter, Willi); Allan, MP (Allan, Milan P.); Greber, T (Greber, Thomas)  
**Title:** Photoelectron diffraction for a look inside nanostructures  
**Source:** CHIMIA, 60 (11): A795-A799 2006

**ISSN:** 0009-4293  
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**Author(s):** McMahon, MI (McMahon, M. L.); Nelmes, RJ (Nelmes, R. J.); Schwarz, U (Schwarz, U.); Syassen, K (Syassen, K.)  
**Title:** Composite incommensurate K-III and a commensurate form: Study of a high-pressure phase of potassium  
**Source:** PHYSICAL REVIEW B, 74 (14): Art. No. 140102 OCT 2006  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.74.140102

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**Author(s):** Klemme, S (Klemme, Stephan); Gunther, D (Guenther, Detlef); Hametner, K (Hametner, Kathrin); Prowatke, S (Prowatke, Stefan); Zack, T (Zack, Thomas)  
**Title:** The partitioning of trace elements between ilmenite, ulvospinel, annalcolite and silicate melts with implications for the early differentiation of the moon  
**Source:** CHEMICAL GEOLOGY, 234 (3-4): 251-263 NOV 15 2006  
**ISSN:** 0009-2541  
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**Author(s):** Komatsu, K (Komatsu, Kazuki); Kuribayashi, T (Kuribayashi, Takahiro); Sano, A (Sano, Asami); Ohtani, E (Ohtani, Eiji); Kudoh, Y (Kudoh, Yasuhiro)  
**Title:** Redetermination of the high-pressure modification of AlOOH from single-crystal synchrotron data  
**Source:** ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, 62: I216-I218 Part 11 NOV 2006  
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**DOI:** 10.1107/S160053680603916X

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**Author(s):** Coomer, FC (Coomer, F. C.); Harrison, A (Harrison, A.); Oakley, GS (Oakley, G. S.); Kulda, J (Kulda, J.); Stewart, JR (Stewart, J. R.); Stride, JA (Stride, J. A.); Fak, B (Fak, B.); Taylor, JW (Taylor, J. W.); Visser, D (Visser, D.)  
**Title:** Inelastic neutron scattering study of magnetic excitations in the kagome antiferromagnet potassium jarosite  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 18 (39): 8847-8858 OCT 4 2006  
**ISSN:** 0953-8984  
**DOI:** 10.1088/0953-8984/18/39/015

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**Author(s):** Prowatke, S (Prowatke, Stefan); Klemme, S (Klemme, Stephan)  
**Title:** Rare earth element partitioning between titanite and silicate melts: Henry's law revisited  
**Source:** GEOCHIMICA ET COSMOCHIMICA ACTA, 70 (19): 4997-5012 OCT 1 2006  
**ISSN:** 0016-7037  
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**Author(s):** Castillo-Martinez, E (Castillo-Martinez, Elizabeth); Williams, AJ (Williams, Anthony J.); Attfield, JP (Attfield, J. Paul)  
**Title:** High-temperature neutron diffraction study of the cation ordered perovskites TbBaMn2O5+x and TbBaMn2O5.

(5-y)

**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 179 (11): 3505-3510 NOV 2006

**ISSN:** 0022-4596

**DOI:** 10.1016/j.jssc.2006.07.019

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**Author(s):** McLaughlin, AC (McLaughlin, Abbie C.); Begg, L (Begg, Laura); Harrow, C (Harrow, Catriona); Kimber, SAJ (Kimber, Simon A. J.); Sher, F (Sher, Falak); Attfield, JP (Attfield, J. Paul)

**Title:** Chemical tuning of positive and negative magnetoresistances, and superconductivity in 1222-type ruthenocuprates

**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 128 (38): 12364-12365 SEP 27 2006

**ISSN:** 0002-7863

**DOI:** 10.1021/ja064778h

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**Author(s):** Fabbiani, FPA (Fabbiani, Francesca P. A.); Pulham, CR (Pulham, Colin R.)

**Title:** High-pressure studies of pharmaceutical compounds and energetic materials

**Source:** CHEMICAL SOCIETY REVIEWS, 35 (10): 932-942 2006

**ISSN:** 0306-0012

**DOI:** 10.1039/b517780b

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**Author(s):** McMahon, MI (McMahon, Malcolm I.); Nelmes, RJ (Nelmes, Richard J.)

**Title:** High-pressure structures and phase transformations in elemental metals

**Source:** CHEMICAL SOCIETY REVIEWS, 35 (10): 943-963 2006

**ISSN:** 0306-0012

**DOI:** 10.1039/b517777b

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**Record 128 of 237**

**Author(s):** Prowatke, S (Prowatke, Stefan); Klemme, S (Klemme, Stephan)

**Title:** Trace element partitioning between apatite and silicate melts

**Source:** GEOCHIMICA ET COSMOCHIMICA ACTA, 70 (17): 4513-4527 SEP 1 2006

**ISSN:** 0016-7037

**DOI:** 10.1016/j.gca.2006.06.162

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**Record 129 of 237**

**Author(s):** Moggach, SA (Moggach, Stephen A.); Marshall, WG (Marshall, William G.); Parsons, S (Parsons, Simon)

**Title:** High-pressure neutron diffraction study of L-serine-I and L-serine-II, and the structure of L-serine-III at 8.1 GPa

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 62: 815-825 Part 5 OCT 2006

**ISSN:** 0108-7681

**DOI:** 10.1107/S010876810601799X

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**Author(s):** Fabbiani, FPA (Fabbiani, Francesca P. A.); Allan, DR (Allan, David R.); Parsons, S (Parsons, Simon); Pulham, CR (Pulham, Colin R.)

**Title:** Exploration of the high-pressure behaviour of polycyclic aromatic hydrocarbons: naphthalene, phenanthrene and pyrene

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 62: 826-842 Part 5 OCT 2006

**ISSN:** 0108-7681

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**DOI:** 10.1107/S0108768106026814

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**Author(s):** Lundegaard, LF (Lundegaard, Lars F.); Weck, G (Weck, Gunnar); McMahon, MI (McMahon, Malcolm I.); Desgreniers, S (Desgreniers, Serge); Loubeyre, P (Loubeyre, Paul)

**Title:** Observation of an O-8 molecular lattice in the epsilon phase of solid oxygen

**Source:** NATURE, 443 (7108): 201-204 SEP 14 2006

**ISSN:** 0028-0836

**DOI:** 10.1038/nature05174

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**Author(s):** Milios, CJ (Milios, Constantinos J.); Prescimone, A (Prescimone, Alessandro); Sanchez-Benitez, J (Sanchez-Benitez, J.); Parsons, S (Parsons, Simon); Murrie, M (Murrie, Mark); Brechin, EK (Brechin, Euan K.)

**Title:** High-spin M2+ carboxylate triangles from the microwave

**Source:** INORGANIC CHEMISTRY, 45 (18): 7053-7055 SEP 4 2006

**ISSN:** 0020-1669

**DOI:** 10.1021/ic061035o

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**Author(s):** Attfield, JP (Attfield, J. Paul)

**Title:** Charge ordering in transition metal oxides

**Source:** SOLID STATE SCIENCES, 8 (8): 861-867 AUG 2006

**ISSN:** 1293-2558

**DOI:** 10.1016/j.solidstatesciences.2005.02.011

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**Author(s):** Sebastian, CP (Sebastian, C. Peter); Eckert, H (Eckert, Hellmut); Fehse, C (Fehse, Constanze); Wright, JP (Wright, Jon P.); Attfield, JP (Attfield, J. Paul); Johrendt, D (Johrendt, Dirk); Rayaprol, S (Rayaprol, Sudhindra); Hoffmann, RD (Hoffmann, Rolf-Dieter); Pottgen, R (Poettgen, Rainer)

**Title:** Structural, magnetic, and spectroscopic studies of YAgSn, TmAgSn, and LuAgSn

**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 179 (8): 2376-2385 AUG 2006

**ISSN:** 0022-4596

**DOI:** 10.1016/j.jssc.2006.04.038

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**Author(s):** Kamenev, KV (Kamenev, K. V.); Tancharakorn, S (Tancharakorn, S.); Robertson, N (Robertson, N.); Harrison, A (Harrison, A.)

**Title:** Long symmetric high-pressure cell for magnetic measurements in superconducting quantum interference device magnetometer

**Source:** REVIEW OF SCIENTIFIC INSTRUMENTS, 77 (7): Art. No. 073905 JUL 2006

**ISSN:** 0034-6748

**DOI:** 10.1063/1.2221537

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**Author(s):** Klotz, S (Klotz, S.); Rouse, G (Rouse, G.); Strassle, T (Straessle, Th.); Bull, CL (Bull, C. L.); Guthrie, M (Guthrie, M.)

**Title:** Nuclear and magnetic structure of magnetite under pressure to 5.3 GPa and at low temperatures to 130 K by neutron scattering

**Source:** PHYSICAL REVIEW B, 74 (1): Art. No. 012410 JUL 2006

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ISSN: 1098-0121  
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**Author(s):** Tancharakorn, S (Tancharakorn, Somchai); Fabbiani, FPA (Fabbiani, Francesca P. A.); Allan, DR (Allan, David R.); Kamenev, KV (Kamenev, Konstantin V.); Robertson, N (Robertson, Neil)  
**Title:** Combined magnetic and single-crystal X-ray structural study of the linear chain antiferromagnet [(CH<sub>3</sub>)<sub>4</sub>N][MnCl<sub>3</sub>] under varying pressure  
**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 128 (28): 9205-9210 JUL 19 2006  
**ISSN:** 0002-7863  
**DOI:** 10.1021/ja061923i

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**Author(s):** Falcon, H (Falcon, H.); Alonso, JA (Alonso, J. A.); Sanchez-Benitez, J (Sanchez-Benitez, J.); Martinez-Lope, MJ (Martinez-Lope, M. J.)  
**Title:** Crystal structure, magnetic and electrical properties of CaCu<sub>3</sub>Mn<sub>4-x</sub>Ti<sub>x</sub>O<sub>12</sub> (0.3 ≤ x ≤ 3.0) perovskites  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 18 (29): 6841-6852 JUL 26 2006  
**ISSN:** 0953-8984  
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**Author(s):** Staniland, SS (Staniland, Sarah S.); Harrison, A (Harrison, Andrew); Robertson, N (Robertson, Neil); Kamenev, KV (Kamenev, Konstantin V.); Parsons, S (Parsons, Simon)  
**Title:** Structural and magnetic properties of [BDTA]<sub>2</sub>[MCl<sub>4</sub>] [M = Cu (1), Co (2), and Mn (3)], revealing an S=1/2 square-lattice antiferromagnet with weak magnetic exchange  
**Source:** INORGANIC CHEMISTRY, 45 (15): 5767-5773 JUL 24 2006  
**ISSN:** 0020-1669  
**DOI:** 10.1021/ic052024i

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**Author(s):** Falconi, S (Falconi, S.); McMahan, MI (McMahon, M. I.); Lundegaard, LF (Lundegaard, L. F.); Hejny, C (Hejny, C.); Nelmes, RJ (Nelmes, R. J.); Hanfland, M (Hanfland, M.)  
**Title:** X-ray diffraction study of diffuse scattering in incommensurate rubidium-IV  
**Source:** PHYSICAL REVIEW B, 73 (21): Art. No. 214102 JUN 2006  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.73.214102

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**Record 141 of 237**

**Author(s):** Lebedev, OI; Van Tendeloo, G; Attfield, JP; McLaughlin, AC  
**Title:** Defect structure of ferromagnetic superconducting RuSr<sub>2</sub>GdCu<sub>2</sub>O<sub>8</sub>  
**Source:** PHYSICAL REVIEW B, 73 (22): Art. No. 224524 JUN 2006  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.73.224524

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**Record 142 of 237**

**Author(s):** Nelmes, RJ; Loveday, JS; Strassle, T; Bull, CL; Guthrie, M; Hamel, G; Klotz, S  
**Title:** Annealed high-density amorphous ice under pressure  
**Source:** NATURE PHYSICS, 2 (6): 414-418 JUN 2006  
**ISSN:** 1745-2473

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DOI: 10.1038/nphys313

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**Record 143 of 237**

**Author(s):** Ackland, GJ  
**Title:** Two-band second moment model for transition metals and alloys  
**Source:** JOURNAL OF NUCLEAR MATERIALS, 351 (1-3): 20-27 JUN 1 2006  
**Conference Title:** Symposium on Microstructural Processes in Irradiated Materials held at the Annual Meeting of the Minerals-Metals-and-Materials-Society  
**Conference Date:** FEB 14-17, 2005  
**Conference Location:** San Francisco, CA  
**ISSN:** 0022-3115  
**DOI:** 10.1016/j.jnucmat.2006.02.024

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**Record 144 of 237**

**Author(s):** Bull, CL (Bull, Craig L.); Kawashima, T (Kawashima, Tetsuya); McMillan, PF (McMillan, Paul F.); Machon, D (Machon, Denis); Shebanova, O (Shebanova, Olga); Dalsenberger, D (Dalsenberger, Dominik); Soignard, E (Soignard, Emmanuel); Takayama-Muromachi, E (Takayama-Muromachi, E.); Chapon, LC (Chapon, Laurent C.)  
**Title:** Crystal structure and high-pressure properties of gamma-Mo<sub>2</sub>N determined by neutron powder diffraction and X-ray diffraction  
**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 179 (6): 1762-1767 JUN 2006  
**ISSN:** 0022-4596  
**DOI:** 10.1016/j.jssc.2006.03.011

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**Record 145 of 237**

**Author(s):** Kimber, SAJ; McLaughlin, AC; Attfield, JP  
**Title:** High pressure neutron diffraction study of the magnetoresistive 1222-type ruthenocuprate, RuSr<sub>2</sub>Nd<sub>0.9</sub>Y<sub>0.2</sub>Ce<sub>0.9</sub>Cu<sub>2</sub>O<sub>10</sub>  
**Source:** MATERIALS RESEARCH BULLETIN, 41 (5): 1001-1007 MAY 25 2006  
**ISSN:** 0025-5408  
**DOI:** 10.1016/j.materresbull.2006.01.009

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**Record 146 of 237**

**Author(s):** Falconi, S; Ackland, GJ  
**Title:** Ab initio simulations in liquid caesium at high pressure and temperature  
**Source:** PHYSICAL REVIEW B, 73 (18): Art. No. 184204 MAY 2006  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.73.184204

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**Record 147 of 237**

**Author(s):** Venimadhav, A (Venimadhav, A.); Sher, F (Sher, Falak); Attfield, JP (Attfield, J. P.); Blamaire, MG (Blamaire, M. G.)  
**Title:** High Curie temperature in B-site ordered Sr<sub>2</sub>CrWO<sub>6</sub> epitaxial thin films  
**Source:** SOLID STATE COMMUNICATIONS, 138 (6): 314-317 2006  
**ISSN:** 0038-1098  
**DOI:** 10.1016/j.ssc.2006.01.042

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**Record 148 of 237**

**Author(s):** Egan, L; Kamenev, K; Papanikolaou, D; Takabayashi, Y; Margadonna, S  
**Title:** Pressure-induced sequential magnetic pole inversion and antiferromagnetic-ferromagnetic crossover in a

trimetallic Prussian blue analogue

**Source:** JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 128 (18): 6034-6035 MAY 10 2006

**ISSN:** 0002-7863

**DOI:** 10.1021/ja061514m

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**Record 149 of 237**

**Author(s):** Goff, RJ; Attfield, JP

**Title:** Combined powder neutron and X-ray diffraction study of charge and orbital order in Bi<sub>0.75</sub>Sr<sub>0.25</sub>MnO<sub>3</sub>

**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 179 (5): 1369-1374 MAY 2006

**ISSN:** 0022-4596

**DOI:** 10.1016/j.jssc.2006.01.050

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**Record 150 of 237**

**Author(s):** McMahan, MI; Lundegaard, LF; Hejny, C; Falconi, S; Nelmes, RJ

**Title:** Different incommensurate composite crystal structure for Sc-II

**Source:** PHYSICAL REVIEW B, 73 (13): Art. No. 134102 APR 2006

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.73.134102

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**Record 151 of 237**

**Author(s):** Williams, AJ; Attfield, JP; Foo, ML; Viciu, L; Cava, RJ

**Title:** High-resolution neutron diffraction study of possible charge ordering in Na<sub>0.5</sub>CoO<sub>2</sub>

**Source:** PHYSICAL REVIEW B, 73 (13): Art. No. 134401 APR 2006

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.73.134401

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**Record 152 of 237**

**Author(s):** Bovornratanaraks, T; Allan, DR; Belmonte, SA; McMahon, MI; Nelmes, RJ

**Title:** Complex monoclinic superstructure in Sr-IV

**Source:** PHYSICAL REVIEW B, 73 (14): Art. No. 144112 APR 2006

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.73.144112

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**Record 153 of 237**

**Author(s):** Young, AF; Montoya, JA; Sanloup, C; Lazzeri, M; Gregoryanz, E; Scandolo, S

**Title:** Interstitial dinitrogen makes PtN<sub>2</sub> an insulating hard solid

**Source:** PHYSICAL REVIEW B, 73 (15): Art. No. 153102 APR 2006

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.73.153102

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**Record 154 of 237**

**Author(s):** Young, AF; Sanloup, C; Gregoryanz, E; Scandolo, S; Hemley, RJ; Mao, HK

**Title:** Synthesis of novel transition metal nitrides IrN<sub>2</sub> and OsN<sub>2</sub>

**Source:** PHYSICAL REVIEW LETTERS, 96 (15): Art. No. 155501 APR 21 2006

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.96.155501

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**Record 155 of 237**

**Author(s):** Ferguson, GP; Jansen, A; Marlow, VL; Walker, GC

**Title:** BacA-mediated bleomycin sensitivity in *Sinorhizobium meliloti* is independent of the unusual lipid A modification

**Source:** JOURNAL OF BACTERIOLOGY, 188 (8): 3143-3148 APR 2006

**ISSN:** 0021-9193

**DOI:** 10.1128/JB.188.8.3143-3148.2006

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**Record 156 of 237**

**Author(s):** Sher, F; Attfield, JP

**Title:** Synthesis, structure and magnetic properties of Ba<sub>2</sub>CrMoO<sub>6</sub>

**Source:** SOLID STATE SCIENCES, 8 (3-4): 277-279 MAR-APR 2006

**ISSN:** 1293-2558

**DOI:** 10.1016/j.solidstatesciences.2006.02.013

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**Record 157 of 237**

**Author(s):** Williams, AJ; Gillies, A; Attfield, JP; Heymann, G; Huppertz, H; Martinez-Lope, MJ; Alonso, JA

**Title:** Charge transfer and antiferromagnetic insulator phase in SrRu<sub>1-x</sub>Cr<sub>x</sub>O<sub>3</sub> perovskites: Solid solutions between two itinerant electron oxides

**Source:** PHYSICAL REVIEW B, 73 (10): Art. No. 104409 MAR 2006

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.73.104409

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**Record 158 of 237**

**Author(s):** Gregoryanz, E; Sanloup, C; Bini, R; Kreutz, J; Jodl, HJ; Somayazulu, M; Mao, H; Hemley, RJ

**Title:** On the epsilon-zeta transition of nitrogen

**Source:** JOURNAL OF CHEMICAL PHYSICS, 124 (11): Art. No. 116102 MAR 21 2006

**ISSN:** 0021-9606

**DOI:** 10.1063/1.2177247

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**Record 159 of 237**

**Author(s):** Moggach, SA; Allan, DR; Clark, SJ; Gutmann, MJ; Parsons, S; Pulham, CR; Sawyer, L

**Title:** High-pressure polymorphism in L-cysteine: the crystal structures of L-cysteine-III and L-cysteine-IV

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 62: 296-309 Part 2 APR 2006

**ISSN:** 0108-7681

**DOI:** 10.1107/S0108768105038802

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**Record 160 of 237**

**Author(s):** Moggach, SA; Allan, DR; Parsons, S; Sawyer, L

**Title:** Effect of pressure on the crystal structure of alpha-glycylglycine to 4.7 GPa; application of Hirshfeld surfaces to analyse contacts on increasing pressure

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 62: 310-320 Part 2 APR 2006

**ISSN:** 0108-7681

**DOI:** 10.1107/S0108768105042072

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**Record 161 of 237**

**Author(s):** Ackland, GJ; Guerin, JA

**Title:** Structure of an amphiphilic lattice gas, and its relationship to microclustering of methanol in water

**Source:** PHYSICAL REVIEW E, 73 (2): Art. No. 021504 Part 1 FEB 2006  
**ISSN:** 1539-3755  
**DOI:** 10.1103/PhysRevE.73.021504

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**Record 162 of 237**

**Author(s):** Strassle, T; Saitta, AM; Le Godec, Y; Hamel, G; Klotz, S; Loveday, JS; Nelmes, RJ  
**Title:** Structure of dense liquid water by neutron scattering to 6.5 GPa and 670 K  
**Source:** PHYSICAL REVIEW LETTERS, 96 (6): Art. No. 067801 FEB 17 2006  
**ISSN:** 0031-9007  
**DOI:** 10.1103/PhysRevLett.96.067801

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**Record 163 of 237**

**Author(s):** Bull, CL; Guthrie, M; Klotz, S; Philippe, J; Strassle, T; Nelmes, RJ; Loveday, JS; Hamel, G  
**Title:** Toroidal anvils for single-crystal neutron studies  
**Source:** HIGH PRESSURE RESEARCH, 25 (4): 229-233 DEC 2005  
**ISSN:** 0895-7959  
**DOI:** 10.1080/08957950500452893

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**Record 164 of 237**

**Author(s):** Goff, RJ; Wright, JP; Attfield, JP; Radaelli, PG  
**Title:** Resonant x-ray diffraction study of the charge ordering in magnetite  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 17 (48): 7633-7642 DEC 7 2005  
**ISSN:** 0953-8984  
**DOI:** 10.1088/0953-8984/17/48/015

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**Record 165 of 237**

**Author(s):** Williams, AJ; Attfield, JP; Redfern, SAT  
**Title:** High-temperature orbital, charge, and structural phase transitions in the cation-ordered manganites TbBaMn2O6 and YBaMn2O6  
**Source:** PHYSICAL REVIEW B, 72 (18): Art. No. 184426 NOV 2005  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.72.184426

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**Record 166 of 237**

**Author(s):** McMahon, MI; Nelmes, RJ  
**Title:** Observation of a wurtzite form of gallium arsenide  
**Source:** PHYSICAL REVIEW LETTERS, 95 (21): Art. No. 215505 NOV 18 2005  
**ISSN:** 0031-9007  
**DOI:** 10.1103/PhysRevLett.95.215505

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**Record 167 of 237**

**Author(s):** Sanloup, C; Schmidt, BC; Perez, EMC; Jambon, A; Gregoryanz, E; Mezouar, M  
**Title:** Retention of xenon in quartz and Earth's missing xenon  
**Source:** SCIENCE, 310 (5751): 1174-1177 NOV 18 2005  
**ISSN:** 0036-8075  
**DOI:** 10.1126/science.1119070

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**Record 168 of 237**

**Author(s):** McIntyre, GJ; Melesi, L; Guthrie, M; Tulk, CA; Xu, J; Parise, JB  
**Title:** One picture says it all - high-pressure cells for neutron Laue diffraction on VIVALDI  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 17 (40): S3017-S3024 Sp. Iss. SI OCT 12 2005  
**Conference Title:** International Workshop on Medium Pressure Advances for Neutron Scattering  
**Conference Date:** OCT 20-23, 2004  
**Conference Location:** Grenoble, FRANCE  
**Conference Host:** Inst Laue Langevine  
**ISSN:** 0953-8984  
**DOI:** 10.1088/0953-8984/17/40/004

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**Record 169 of 237**

**Author(s):** Strassle, T; Klotz, S; Loveday, JS; Braden, M  
**Title:** Equation of state of ordinary ice Ih at 145 K under true hydrostatic pressure up to 5 kbar  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 17 (40): S3029-S3033 Sp. Iss. SI OCT 12 2005  
**Conference Title:** International Workshop on Medium Pressure Advances for Neutron Scattering  
**Conference Date:** OCT 20-23, 2004  
**Conference Location:** Grenoble, FRANCE  
**Conference Host:** Inst Laue Langevine  
**ISSN:** 0953-8984  
**DOI:** 10.1088/0953-8984/17/40/006

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**Record 170 of 237**

**Author(s):** McMahon, MI  
**Title:** Structures from powders and poor-quality single crystals at high pressure  
**Source:** JOURNAL OF SYNCHROTRON RADIATION, 12: 549-553 Part 5 SEP 2005  
**Conference Title:** International Workshop on Structure Determination by Single-Crystal X-ray Diffraction (SXD) at Megabar Pressures  
**Conference Date:** NOV 13-14, 2004  
**Conference Location:** Chicago, IL  
**Conference Host:** Argonne Natl Lab  
**ISSN:** 0909-0495  
**DOI:** 10.1107/S0909049505022788

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**Record 171 of 237**

**Author(s):** Moggach, SA; Allan, DR; Lozano-Casal, P; Parsons, S  
**Title:** High-pressure polymorphism of cyclopentanol (C5H10O): the structure of cyclopentanol phase-V at 1.5 GPa  
**Source:** JOURNAL OF SYNCHROTRON RADIATION, 12: 590-597 Part 5 SEP 2005  
**Conference Title:** International Workshop on Structure Determination by Single-Crystal X-ray Diffraction (SXD) at Megabar Pressures  
**Conference Date:** NOV 13-14, 2004  
**Conference Location:** Chicago, IL  
**Conference Host:** Argonne Natl Lab  
**ISSN:** 0909-0495  
**DOI:** 10.1107/S0909049505021461

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**Record 172 of 237**

**Author(s):** Moggach, SA; Allan, DR; Parsons, S; Sawyer, L; Warren, JE  
**Title:** The effect of pressure on the crystal structure of hexagonal L-cystine

**Source:** JOURNAL OF SYNCHROTRON RADIATION, 12: 598-607 Part 5 SEP 2005  
**Conference Title:** International Workshop on Structure Determination by Single-Crystal X-ray Diffraction (SXD) at Megabar Pressures  
**Conference Date:** NOV 13-14, 2004  
**Conference Location:** Chicago, IL  
**Conference Host:** Argonne Natl Lab  
**ISSN:** 0909-0495  
**DOI:** 10.1107/S0909049505019850

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**Record 173 of 237**

**Author(s):** Sher, F; Venimadhav, A; Blamire, MG; Dabrowski, B; Kolesnik, S; Attfield, JP  
**Title:** Structural, magnetic and transport properties of Sr<sub>2</sub>Fe<sub>1-x</sub>Mg<sub>x</sub>MoO<sub>6</sub> (0 ≤ x ≤ 1) double perovskites  
**Source:** SOLID STATE SCIENCES, 7 (8): 912-919 AUG 2005  
**ISSN:** 1293-2558  
**DOI:** 10.1016/j.solidstatesciences.2005.03.002

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**Record 174 of 237**

**Author(s):** Bos, JWG; Attfield, JP; Chan, TS; Liu, RS; Jang, LY  
**Title:** Orbital ordering and valence states in (La<sub>1-x</sub>Ca<sub>1-x</sub>)CoRuO<sub>6</sub> double perovskites  
**Source:** PHYSICAL REVIEW B, 72 (1): Art. No. 014101 JUL 2005  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.72.014101

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**Record 175 of 237**

**Author(s):** Leonov, I; Yaresko, AN; Antonov, VN; Attfield, JP; Anisimov, VI  
**Title:** Charge order in Fe<sub>2</sub>OBO<sub>3</sub>: An LSDA+U study  
**Source:** PHYSICAL REVIEW B, 72 (1): Art. No. 014407 JUL 2005  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.72.014407

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**Record 176 of 237**

**Author(s):** Williams, AJ; Attfield, JP  
**Title:** Ferro-orbital order in the charge- and cation-ordered manganite YBaMn<sub>2</sub>O<sub>6</sub>  
**Source:** PHYSICAL REVIEW B, 72 (2): Art. No. 024436 JUL 2005  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.72.024436

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**Record 177 of 237**

**Author(s):** McLaughlin, AC; Sher, F; Attfield, JP  
**Title:** Negative lattice expansion from the superconductivity-antiferromagnetism crossover in ruthenium copper oxides  
**Source:** NATURE, 436 (7052): 829-832 AUG 11 2005  
**ISSN:** 0028-0836  
**DOI:** 10.1038/nature03828

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**Record 178 of 237**

**Author(s):** McLaughlin, AC; Morrice, D; Sher, F  
**Title:** Doping studies of the magnetic cobaltocuprate CoSr<sub>2</sub>Y<sub>2-x</sub>Ce<sub>x</sub>Cu<sub>2</sub>O<sub>9</sub> +/-delta  
**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 178 (7): 2274-2281 JUL 2005

**ISSN:** 0022-4596  
**DOI:** 10.1016/j.jssc.2005.05.002

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**Record 179 of 237**

**Author(s):** McGregor, PA; Allan, DR; Parsons, S; Pulham, CR  
**Title:** The low-temperature and high-pressure crystal structures of cyclobutanol (C<sub>4</sub>H<sub>7</sub>OH)  
**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 61: 449-454 Part 4 AUG 2005  
**ISSN:** 0108-7681  
**DOI:** 10.1107/S0108768105019191

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**Record 180 of 237**

**Author(s):** Mountstevens, EH; Redfern, SAT; Attfield, JP  
**Title:** Order-disorder octahedral tilting transitions in SrSnO<sub>3</sub> perovskite  
**Source:** PHYSICAL REVIEW B, 71 (22): Art. No. 220102 JUN 2005  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.71.220102

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**Record 181 of 237**

**Author(s):** Rousse, G; Klotz, S; Saitta, AM; Rodriguez-Carvajal, J; McMahon, MI; Couzinet, B; Mezouar, M  
**Title:** Structure of the intermediate phase of PbTe at high pressure  
**Source:** PHYSICAL REVIEW B, 71 (22): Art. No. 224116 JUN 2005  
**ISSN:** 1098-0121  
**DOI:** 10.1103/PhysRevB.71.224116

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**Record 182 of 237**

**Author(s):** Dawson, A; Allan, DR; Belmonte, SA; Clark, SJ; David, WIF; McGregor, PA; Parsons, S; Pulham, CR; Sawyer, L  
**Title:** Effect of high pressure on the crystal structures of polymorphs of glycine  
**Source:** CRYSTAL GROWTH & DESIGN, 5 (4): 1415-1427 JUL-AUG 2005  
**ISSN:** 1528-7483  
**DOI:** 10.1021/cg049716m

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**Record 183 of 237**

**Author(s):** Lohmann, S; Andrews, SP; Burke, BJ; Smith, MD; Attfield, JP; Tanaka, H; Kaneko, K; Ley, SV  
**Title:** Copper- and palladium-containing perovskites: Catalysts for the Ullmann and Sonogashira reactions  
**Source:** SYNLETT, (8): 1291-1295 MAY 17 2005  
**ISSN:** 0936-5214  
**DOI:** 10.1055/s-2005-865233

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**Record 184 of 237**

**Author(s):** Meller, N; Hall, C; Phipps, JS  
**Title:** A new phase diagram for the CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-H<sub>2</sub>O hydroceramic system at 200 degrees C  
**Source:** MATERIALS RESEARCH BULLETIN, 40 (5): 715-723 MAY 18 2005  
**ISSN:** 0025-5408  
**DOI:** 10.1016/j.materresbull.2005.03.001

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**Record 185 of 237**

**Author(s):** Oswald, IDH; Allan, DR; Day, GM; Motherwell, WDS; Parsons, S



**Title:** Realizing predicted crystal structures at extreme conditions: The low-temperature and high-pressure crystal structures of 2-chlorophenol and 4-fluorophenol

**Source:** CRYSTAL GROWTH & DESIGN, 5 (3): 1055-1071 MAY-JUN 2005

**ISSN:** 1528-7483

**DOI:** 10.1021/cg049647b

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**Record 186 of 237**

**Author(s):** Ackland, GJ; Fox, H

**Title:** Total energy calculation for high pressure selenium: the origin of incommensurate modulations in SeIV and the instability of proposed SeII

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 17 (12): 1851-1859 MAR 30 2005

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/17/12/009

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**Record 187 of 237**

**Author(s):** Falconi, S; Lundegaard, LF; Hejny, C; McMahon, MI

**Title:** X-ray diffraction study of liquid Cs up to 9.8 GPa

**Source:** PHYSICAL REVIEW LETTERS, 94 (12): Art. No. 125507 APR 1 2005

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.94.125507

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**Record 188 of 237**

**Author(s):** Klotz, S; Strassle, T; Saitta, AM; Rouse, G; Hamel, G; Nelmes, RJ; Loveday, JS; Guthrie, M

**Title:** In situ neutron diffraction studies of high density amorphous ice under pressure

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 17 (11): S967-S974 Sp. Iss. SI MAR 23 2005

**Conference Title:** 2nd International Symposium on Physics of Solids Under High Pressure Using Nuclear Probes

**Conference Date:** JUL 20-24, 2004

**Conference Location:** Cologne, GERMANY

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/17/11/029

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**Record 189 of 237**

**Author(s):** Sher, F; Williams, AJ; Venimadhev, A; Blamire, MG; Attfield, JP

**Title:** Synthesis, structure, and properties of two new Ruddlesden-Popper phase analogues of SFMO (Sr<sub>2</sub>FeMoO<sub>6</sub>)

**Source:** CHEMISTRY OF MATERIALS, 17 (7): 1792-1796 APR 5 2005

**ISSN:** 0897-4756

**DOI:** 10.1021/cm0479178

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**Record 190 of 237**

**Author(s):** Monthoux, P; Lonzarich, GG

**Title:** Magnetic interactions in a single-band model for the cuprates and ruthenates

**Source:** PHYSICAL REVIEW B, 71 (5): Art. No. 054504 FEB 2005

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.71.054504

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**Record 191 of 237**

**Author(s):** McMillan, PF; Gryko, J; Bull, C; Arledge, R; Kenyon, AJ; Cressey, BA

**Title:** Amorphous and nanocrystalline luminescent Si and Ge obtained via a solid-state chemical metathesis synthesis

route

**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 178 (3): 937-949 MAR 2005

**ISSN:** 0022-4596

**DOI:** 10.1016/j.jssc.2004.12.040

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**Record 192 of 237**

**Author(s):** Loudon, JC; Cox, S; Williams, AJ; Attfield, JP; Littlewood, PB; Midgley, PA; Mathur, ND

**Title:** Weak charge-lattice coupling requires reinterpretation of stripes of charge order in La<sub>1-x</sub>CaxMnO<sub>3</sub>

**Source:** PHYSICAL REVIEW LETTERS, 94 (9): Art. No. 097202 MAR 11 2005

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.94.097202

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**Record 193 of 237**

**Author(s):** Ackland, GJ

**Title:** Stability of CrSi<sub>2</sub> grown from the melt

**Source:** PHYSICAL REVIEW B, 71 (1): Art. No. 012106 JAN 2005

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.71.012106

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**Record 194 of 237**

**Author(s):** Hejny, C; Lundegaard, LF; Falconi, S; McMahon, MI; Hanfland, M

**Title:** Incommensurate sulfur above 100 GPa

**Source:** PHYSICAL REVIEW B, 71 (2): Art. No. 020101 JAN 2005

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.71.020101

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**Record 195 of 237**

**Author(s):** Bos, JW; Attfield, JP

**Title:** Crystal and magnetic structures of the double perovskite La<sub>2</sub>CoRuO<sub>6</sub>

**Source:** JOURNAL OF MATERIALS CHEMISTRY, 15 (6): 715-720 2005

**ISSN:** 0959-9428

**DOI:** 10.1039/b412918k

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**Record 196 of 237**

**Author(s):** Klotz, S; Strassle, T; Nelmes, RJ; Loveday, JS; Hamel, G; Rouse, G; Canny, B; Chervin, JC; Saitta, AM

**Title:** Nature of the polyamorphic transition in ice under pressure

**Source:** PHYSICAL REVIEW LETTERS, 94 (2): Art. No. 025506 JAN 21 2005

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.94.025506

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**Record 197 of 237**

**Author(s):** Moggach, SA; Allan, DR; Morrison, CA; Parsons, S; Sawyer, L

**Title:** Effect of pressure on the crystal structure of L-serine-I and the crystal structure of L-serine-II at 5.4 GPa

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 61: 58-68 Part 1 FEB 2005

**ISSN:** 0108-7681

**DOI:** 10.1107/S0108768104031787

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**Record 198 of 237**

**Author(s):** Oswald, IDH; Allan, DR; Motherwell, WDS; Parsons, S

**Title:** Structures of the monofluoro- and monochlorophenols at low temperature and high pressure

**Source:** ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE, 61: 69-79 Part 1 FEB 2005

**ISSN:** 0108-7681

**DOI:** 10.1107/S0108768104030617

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**Record 199 of 237**

**Author(s):** Degtyareva, O; McMahon, MI; Nelmes, RJ

**Title:** High-pressure structural studies of group-15 elements

**Source:** HIGH PRESSURE RESEARCH, 24 (3): 319-356 SEP 2004

**ISSN:** 0895-7959

**DOI:** 10.1080/08957950412331281057

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**Record 200 of 237**

**Author(s):** Sher, F; Venimadhav, A; Blamire, MG; Kamenev, K; Attfield, JP

**Title:** Cation size variance effects in magnetoresistive Sr<sub>2</sub>FeMoO<sub>6</sub> double perovskites

**Source:** CHEMISTRY OF MATERIALS, 17 (1): 176-180 JAN 11 2005

**ISSN:** 0897-4756

**DOI:** 10.1021/cm048711

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**Record 201 of 237**

**Author(s):** McMahon, M; Nelmes, R

**Title:** Incommensurate crystal structures in the elements at high pressure

**Source:** ZEITSCHRIFT FUR KRISTALLOGRAPHIE, 219 (11): 742-748 2004

**ISSN:** 0044-2968

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**Record 202 of 237**

**Author(s):** Bos, JWG; Attfield, JP

**Title:** Structural and magnetic properties of the double perovskite LaCaMnNbO<sub>6</sub>

**Source:** ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, 630 (13-14): 2248-2252 2004

**ISSN:** 0044-2313

**DOI:** 10.1002/zaac.200400159

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**Record 203 of 237**

**Author(s):** Bos, JWG; Attfield, JP

**Title:** Magnetic frustration in (LaA)CoNbO<sub>6</sub> (A = Ca, Sr, and Ba) double perovskites

**Source:** PHYSICAL REVIEW B, 70 (17): Art. No. 174434 NOV 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.70.174434

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**Record 204 of 237**

**Author(s):** Hejny, C; McMahon, MI

**Title:** Complex crystal structures of Te-II and Se-III at high pressure

**Source:** PHYSICAL REVIEW B, 70 (18): Art. No. 184109 NOV 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.70.184109

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**Record 205 of 237**

**Author(s):** Degtyareva, O; McMahon, MI; Nelmes, RJ

**Title:** Pressure-induced incommensurate-to-incommensurate phase transition in antimony

**Source:** PHYSICAL REVIEW B, 70 (18): Art. No. 184119 NOV 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.70.184119

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**Record 206 of 237**

**Author(s):** McMahon, MI

**Editor(s):** Katrusiak, A; McMillan, P

**Title:** High pressure diffraction from good powders, poor powders and poor single crystals

**Source:** HIGH-PRESSURE CRYSTALLOGRAPHY, 140: 1-20 2004

**Book series title:** NATO SCIENCE SERIES, SERIES II: MATHEMATICS, PHYSICS AND CHEMISTRY

**Conference Title:** NATO Advanced Research Workshop on High-Pressure Crystallography

**Conference Date:** JUN 04-15, 2003

**Conference Location:** Erice, ITALY

**ISBN:** 1-4020-1953-X

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**Record 207 of 237**

**Author(s):** Degtyareva, O; McMahon, MI; Allan, DR; Nelmes, RJ

**Title:** Structural complexity in gallium under high pressure: Relation to alkali elements

**Source:** PHYSICAL REVIEW LETTERS, 93 (20): Art. No. 205502 NOV 12 2004

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.93.205502

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**Record 208 of 237**

**Author(s):** Goff, RJ; Attfield, JP

**Title:** Charge ordering in half-doped manganites

**Source:** PHYSICAL REVIEW B, 70 (14): Art. No. 140404 OCT 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.70.140404

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**Record 209 of 237**

**Author(s):** Chapman, JP; Attfield, JP; Rodriguez-Martinez, LM; Lezama, L; Rojo, T

**Title:** Phase separation in manganites induced by orbital-ordering strains

**Source:** DALTON TRANSACTIONS, (19): 3026-3031 2004

**ISSN:** 1477-9226

**DOI:** 10.1039/b401238k

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**Record 210 of 237**

**Author(s):** Ackland, GJ; Macleod, IR

**Title:** Origin of the complex crystal structures of elements at intermediate pressure

**Source:** NEW JOURNAL OF PHYSICS, 6: Art. No. 138 OCT 25 2004

**ISSN:** 1367-2630

**DOI:** 10.1088/1367-2630/6/1/138

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**Record 211 of 237**

**Author(s):** Saitta, AM; Strassle, T; Rousse, G; Hamel, G; Klotz, S; Nelmes, RJ; Loveday, JS

**Title:** High density amorphous ices: Disordered water towards close packing

**Source:** JOURNAL OF CHEMICAL PHYSICS, 121 (17): 8430-8434 NOV 1 2004

**ISSN:** 0021-9606

**DOI:** 10.1063/1.1804493

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**Record 212 of 237**

**Author(s):** Guthrie, M; Tulk, CA; Benmore, CJ; Xu, J; Yarger, JL; Klug, DD; Tse, JS; Mao, HK; Hemley, RJ

**Title:** Formation and structure of a dense octahedral glass

**Source:** PHYSICAL REVIEW LETTERS, 93 (11): Art. No. 115502 SEP 10 2004

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.93.115502

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**Record 213 of 237**

**Author(s):** McMahon, MI; Hejny, C; Loveday, JS; Lundegaard, LF; Hanfland, M

**Title:** Confirmation of the incommensurate nature of Se-IV at pressures below 70 GPa

**Source:** PHYSICAL REVIEW B, 70 (5): Art. No. 054101 AUG 2004

**ISSN:** 1098-0121

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DOI: 10.1103/PhysRevB.70.054101

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**Record 214 of 237**

**Author(s):** Harrison, A

**Title:** First catch your hare\*: the design and synthesis of frustrated magnets

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 16 (11): S553-S572 Sp. Iss. SI MAR 24 2004

**Conference Title:** Highly Frustrated Magnetism 2003 Conference

**Conference Date:** AUG 26-30, 2003

**Conference Location:** Grenoble, FRANCE

**Conference Host:** Inst Laue Langevin

**ISSN:** 0953-8984

**DOI:** 10.1088/0953-8984/16/11/001

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**Record 215 of 237**

**Author(s):** McMahon, MI; Nelmes, RJ

**Title:** Chain "melting" in the composite Rb-IV structure

**Source:** PHYSICAL REVIEW LETTERS, 93 (5): Art. No. 055501 JUL 30 2004

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.93.055501

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**Record 216 of 237**

**Author(s):** Goff, RJ; Williams, AJ; Attfield, JP

**Title:** Spin, charge, and orbital order in Mn<sub>2</sub>OBO<sub>3</sub>

**Source:** PHYSICAL REVIEW B, 70 (1): Art. No. 014426 JUL 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.70.014426

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**Record 217 of 237**

**Author(s):** Dawson, A; Allan, DR; Parsons, S; Ruf, M

**Title:** Use of a CCD diffractometer in crystal structure determinations at high pressure

**Source:** JOURNAL OF APPLIED CRYSTALLOGRAPHY, 37: 410-416 Part 3 JUN 2004

**ISSN:** 0021-8898

**DOI:** 10.1107/S0021889804007149

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**Record 218 of 237**

**Author(s):** Bos, JWG; Attfield, JP

**Title:** Structural, magnetic, and transport properties of (La<sub>1-x</sub>Sr<sub>1-x</sub>)CoRuO<sub>6</sub> double perovskites

**Source:** CHEMISTRY OF MATERIALS, 16 (9): 1822-1827 MAY 4 2004

**ISSN:** 0897-4756

**DOI:** 10.1021/cm0497733

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**Record 219 of 237**

**Author(s):** Haussermann, U; Degtyareva, O; Mikhaylushkin, AS; Soderberg, K; Simak, SI; McMahon, MI; Nelmes, RJ; Norrestam, R

**Title:** Bi<sub>1-x</sub>Sb<sub>x</sub> under high pressure: Effect of alloying on the incommensurate Bi-III type composite structure

**Source:** PHYSICAL REVIEW B, 69 (13): Art. No. 134203 APR 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.69.134203

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**Record 220 of 237**

**Author(s):** Loveday, JS; Nelmes, RJ

**Title:** The ammonia hydrates-model mixed-hydrogen-bonded systems

**Source:** HIGH PRESSURE RESEARCH, 24 (1): 45-55 MAR 2004

**Conference Title:** Meeting on Matter Under Extreme Conditions

**Conference Date:** MAY 16, 2003

**Conference Location:** Paris, FRANCE

**ISSN:** 0895-7959

**DOI:** 10.1080/08957950410001661990

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**Record 221 of 237**

**Author(s):** Le Godec, Y; Strassle, T; Hamel, G; Nelmes, RJ; Loveday, JS; Marshall, WG; Klotz, S

**Title:** Techniques for structural studies of liquids and amorphous materials by neutron diffraction at high pressures and temperatures

**Source:** HIGH PRESSURE RESEARCH, 24 (1): 205-217 MAR 2004

**Conference Title:** Meeting on Matter Under Extreme Conditions

**Conference Date:** MAY 16, 2003

**Conference Location:** Paris, FRANCE

**ISSN:** 0895-7959

**DOI:** 10.1080/08957950410001661972

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**Record 222 of 237**

**Author(s):** Watanuki, R; Suzuki, K; van Duijn, J; Attfield, JP

**Title:** Magnetic properties of DyB<sub>2</sub>C, HoB<sub>2</sub>C, and ErB<sub>2</sub>C

**Source:** PHYSICAL REVIEW B, 69 (6): Art. No. 064433 FEB 2004

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.69.064433

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**Record 223 of 237**

**Author(s):** Saxena, SS; Monthoux, P

**Title:** Superconductivity - Symmetry not required

**Source:** NATURE, 427 (6977): 799-799 FEB 26 2004

**ISSN:** 0028-0836

**DOI:** 10.1038/427799a

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**Record 224 of 237**

**Author(s):** Soignard, E; McMillan, PF; Hejny, C; Leinenweber, K

**Title:** Pressure-induced transformations in alpha- and beta-Ge<sub>3</sub>N<sub>4</sub>: in situ studies by synchrotron X-ray diffraction

**Source:** JOURNAL OF SOLID STATE CHEMISTRY, 177 (1): 299-311 JAN 2004

**ISSN:** 0022-4596

**DOI:** 10.1016/j.jssc.2003.08.021

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**Record 225 of 237**

**Author(s):** Hejny, C; McMahon, MI

**Title:** Large structural modulations in incommensurate Te-III and Se-IV

**Source:** PHYSICAL REVIEW LETTERS, 91 (21): Art. No. 215502 NOV 21 2003

**ISSN:** 0031-9007

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DOI: 10.1103/PhysRevLett.91.215502

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**Record 226 of 237**

**Author(s):** McMahon, MI; Degtyareva, O; Hejny, C; Nelmes, RJ

**Title:** New results on old problems: The use of single-crystals in high-pressure structural studies

**Source:** HIGH PRESSURE RESEARCH, 23 (3): 289-299 SEP 2003

**Conference Title:** 40th Meeting of the European-High-Pressure-Research-Group (EHPRG)

**Conference Date:** SEP 04-07, 2002

**Conference Location:** EDINBURGH, SCOTLAND

**Conference Host:** UNIV EDINBURGH

**ISSN:** 0895-7959

**DOI:** 10.1080/0895795032000102504

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**Record 227 of 237**

**Author(s):** Loveday, JS; Nelmes, RJ

**Title:** High-pressure neutron diffraction and models of Titan

**Source:** HIGH PRESSURE RESEARCH, 23 (1-2): 41-47 MAR-JUN 2003

**Conference Title:** 40th Meeting of the European-High-Pressure-Research-Group (EHPRG)

**Conference Date:** SEP 04-07, 2002

**Conference Location:** EDINBURGH, SCOTLAND

**Conference Host:** UNIV EDINBURGH

**ISSN:** 0895-7959

**DOI:** 10.1080/0895795031000109698

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**Record 228 of 237**

**Author(s):** Sokolov, DA; Kamenev, KV; Ishizuka, M

**Title:** Pressure-induced magnetic long-range order in Pr<sub>1.4</sub>Sr<sub>1.6</sub>Mn<sub>2</sub>O<sub>7</sub> layered manganite (antiferromagnetism in Pr<sub>1.4</sub>Sr<sub>1.6</sub>Mn<sub>2</sub>O<sub>7</sub>)

**Source:** HIGH PRESSURE RESEARCH, 23 (1-2): 191-194 MAR-JUN 2003

**Conference Title:** 40th Meeting of the European-High-Pressure-Research-Group (EHPRG)

**Conference Date:** SEP 04-07, 2002

**Conference Location:** EDINBURGH, SCOTLAND

**Conference Host:** UNIV EDINBURGH

**ISSN:** 0895-7959

**DOI:** 10.1080/0895795031000114395

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**Record 229 of 237**

**Author(s):** Degtyareva, VF; Degtyareva, O; Allan, DR

**Title:** Ordered Si-VI-type crystal structure in BiSn alloy under high pressure

**Source:** PHYSICAL REVIEW B, 67 (21): Art. No. 212105 JUN 1 2003

**ISSN:** 1098-0121

**DOI:** 10.1103/PhysRevB.67.212105

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**Record 230 of 237**

**Author(s):** Loveday, JS; Nelmes, RJ; Klug, DD; Tse, JS; Desgreniers, S

**Title:** Structural systematics in the clathrate hydrates under pressure

**Source:** CANADIAN JOURNAL OF PHYSICS, 81 (1-2): 539-544 JAN-FEB 2003

**ISSN:** 0008-4204

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DOI: 10.1139/P03-040

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**Record 231 of 237**

**Author(s):** Klotz, S; Hamel, G; Loveday, JS; Nelmes, RJ; Guthrie, M; Soper, AK

**Title:** Structure of high-density amorphous ice under pressure

**Source:** PHYSICAL REVIEW LETTERS, 89 (28): Art. No. 285502 DEC 31 2002

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.89.285502

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**Record 232 of 237**

**Author(s):** Ackland, GJ

**Title:** Calculation of free energies from ab initio calculation

**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 14 (11): 2975-3000 MAR 25 2002

**ISSN:** 0953-8984

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**Record 233 of 237**

**Author(s):** Nelmes, RJ; McMahon, MI; Loveday, JS; Rekhii, S

**Title:** Structure of Rb-III: Novel modulated stacking structures in alkali metals

**Source:** PHYSICAL REVIEW LETTERS, 88 (15): Art. No. 155503 APR 15 2002

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.88.155503

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**Record 234 of 237**

**Author(s):** Loveday, JS; Nelmes, RJ; Guthrie, M

**Title:** High-pressure transitions in methane hydrate

**Source:** CHEMICAL PHYSICS LETTERS, 350 (5-6): 459-465 DEC 28 2001

**ISSN:** 0009-2614

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**Record 235 of 237**

**Author(s):** McMahon, MI; Nelmes, RJ; Rekhii, S

**Title:** Complex crystal structure of cesium-III

**Source:** PHYSICAL REVIEW LETTERS, 87 (25): Art. No. 255502 DEC 17 2001

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.87.255502

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**Record 236 of 237**

**Author(s):** Loveday, JS; Nelmes, RJ; Guthrie, M; Klug, DD; Tse, JS

**Title:** Transition from cage clathrate to filled ice: The structure of methane hydrate III

**Source:** PHYSICAL REVIEW LETTERS, 87 (21): Art. No. 215501 NOV 19 2001

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.87.215501

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**Record 237 of 237**

**Author(s):** McMahon, MI; Rekhii, S; Nelmes, RJ

**Title:** Pressure dependent incommensuration in Rb-IV

**Source:** PHYSICAL REVIEW LETTERS, 87 (5): Art. No. 055501 JUL 30 2001

**ISSN:** 0031-9007

**DOI:** 10.1103/PhysRevLett.87.055501

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