

CSEC Publications 2009–2013

Record 1 of 240

By: Moggach, SA (Moggach, Stephen A.); Bennett, TD (Bennett, Thomas D.); Cheetham, AK (Cheetham, Anthony K.)

Title: The Effect of Pressure on ZIF-8: Increasing Pore Size with Pressure and the Formation of a High-Pressure Phase at 1.47 GPa

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

Volume: 48

Issue: 38

Pages: 7087–7089

DOI: 10.1002/anie.200902643

Published: 2009

Accession Number: WOS:000270058100028

Record 2 of 240

By: Meller, N (Meller, Nicola); Kyritsis, K (Kyritsis, Konstantinos); Hall, C (Hall, Christopher)

Title: The mineralogy of the CaO-Al₂O₃-SiO₂-H₂O(CASH) hydroceramic system from 200 to 350 degrees C

Source: CEMENT AND CONCRETE RESEARCH

Volume: 39

Issue: 1

Pages: 45–53

DOI: 10.1016/j.cemconres.2008.10.002

Published: JAN 2009

Accession Number: WOS:000262802100006

Record 3 of 240

By: 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

Issue: 5

Pages: 562–564

DOI: 10.1039/b817966b

Published: 2009

Accession Number: WOS:000262649200013

Record 4 of 240

By: Yin, CL (Yin, Congling); Li, GB (Li, Guobao); Lin, JH (Lin, Jianhua); Attfield, JP (Attfield, J. P.)

Title: Structural and Magnetic Properties of Ba_{0.7}Sr_{0.3}Ru_{1-x}MnxO₃ Hexagonal Perovskites

Source: CHEMISTRY-AN ASIAN JOURNAL

Volume: 4

Issue: 6

Pages: 969–973

DOI: 10.1002/asia.200800409

Published: 2009

Accession Number: WOS:000266929600024

Record 5 of 240

By: 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

Volume: 11

Issue: 2

Pages: 359–366

DOI: 10.1039/b814471k

Published: 2009

Accession Number: WOS:000262751300025

Record 6 of 240

By: Oswald, IDH (Oswald, Iain D. H.); Crichton, WA (Crichton, Wilson A.)

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

Source: CRYSTENGCOMM

Volume: 11

Issue: 3

Pages: 463–469

DOI: 10.1039/b813878h

Published: 2009

Accession Number: WOS:000263605900013

Record 7 of 240

By: Moggach, SA (Moggach, Stephen A.); Galloway, KW (Galloway, Kyle W.); Lennie, AR (Lennie, Alistair R.); Parois, P (Parois, Pascal); Rowantree, N (Rowantree, Niall); Brechin, EK (Brechin, Euan K.); Warren, JE (Warren, John E.); Murrie, M (Murrie, Mark); Parsons, S (Parsons, Simon)

Title: Polymerisation of a Cu(II) dimer into 1D chains using high pressure

Source: CRYSTENGCOMM

Volume: 11

Issue: 12

Pages: 2601–2604

DOI: 10.1039/b912707k

Published: 2009

Accession Number: WOS:000271864700014

Record 8 of 240

By: Stoumpos, CC (Stoumpos, Constantinos C.); Gass, IA (Gass, Ian A.); Milios, CJ (Milios, Constantinos J.); Lalioi, N (Lalioi, 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

Issue: 2

Pages: 307–317

DOI: 10.1039/b810835h

Published: 2009

Accession Number: WOS:000261807400012

Record 9 of 240

By: Prescimone, A (Prescimone, Alessandro); Milios, CJ (Milios, Constantinos J.); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Loose, C (Loose, Claudia); Kortus, J (Kortus, Jens); Moggach, S (Moggach, Stephen); Murrie, M (Murrie, Mark); Warren, JE (Warren, John E.); Lennie, AR (Lennie, Alistair R.); Parsons, S (Parsons, Simon); Brechin, EK (Brechin, Euan K.)

Title: High pressure induced spin changes and magneto-structural correlations in hexametallc SMMs

Source: DALTON TRANSACTIONS

Issue: 25

Pages: 4858–4867

DOI: 10.1039/b902485a

Published: 2009
Accession Number: WOS:000267123100005

Record 10 of 240

By: Prescimone, A (Prescimone, Alessandro); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Moggach, SA (Moggach, Stephen A.); Lennie, AR (Lennie, Alistair R.); Warren, JE (Warren, John E.); Murrie, M (Murrie, Mark); Parsons, S (Parsons, Simon); Brechin, EK (Brechin, Euan K.)

Title: High pressure effects on a trimetallic Mn-II/III SMM

Source: DALTON TRANSACTIONS

Issue: 36

Pages: 7390-7395

DOI: 10.1039/b908718d

Published: 2009

Accession Number: WOS:000269493900012

Record 11 of 240

By: Waskowska, A (Waskowska, A.); Gerward, L (Gerward, L.); Olsen, JS (Olsen, J. Staun); Marques, M (Marques, M.); Contreras-Garcia, J (Contreras-Garcia, J.); Recio, JM (Recio, J. M.)

Title: The bulk modulus of cubic spinel selenides: an experimental and theoretical study

Source: HIGH PRESSURE RESEARCH

Volume: 29

Issue: 1

Pages: 72-75

Article Number: PII 909546593

DOI: 10.1080/08957950802338642

Published: 2009

Conference Title: 46th Annual Meeting of the European-High-Pressure-Research-Group Meeting (EHPRG 46)

Conference Date: SEP 07-12, 2008

Conference Location: Valencia, SPAIN

Accession Number: WOS:000264375400014

Record 12 of 240

By: Maynard, HE (Maynard, H. E.); Loveday, JS (Loveday, J. S.); Klotz, S (Klotz, S.); Bull, CL (Bull, C. L.); Hansen, TC (Hansen, T. C.)

Title: High-pressure crystallography of methane: a low-temperature neutron diffraction study in the 1-5GPa range

Source: HIGH PRESSURE RESEARCH

Volume: 29

Issue: 1

Pages: 125-128

Article Number: PII 909546654

DOI: 10.1080/08957950802570459

Published: 2009

Conference Title: 46th Annual Meeting of the European-High-Pressure-Research-Group Meeting (EHPRG 46)

Conference Date: SEP 07-12, 2008

Conference Location: Valencia, SPAIN

Accession Number: WOS:000264375400023

Record 13 of 240

By: Marques, M (Marques, M.); Ackland, GJ (Ackland, G. J.); Loveday, JS (Loveday, J. S.)

Title: Nature and stability of ice X

Source: HIGH PRESSURE RESEARCH

Volume: 29

Issue: 2

Pages: 208-211

Article Number: PII 911481290

DOI: 10.1080/08957950802564031

Published: 2009

Conference Title: 46th Annual Meeting of the European-High-Pressure-Research-Group Meeting (EHPRG 46)

Conference Date: SEP 07-12, 2008

Conference Location: Valencia, SPAIN

Accession Number: WOS:000266245900004

Record 14 of 240

By: Loveday, JS (Loveday, J. S.); Nelmes, RJ (Nelmes, R. J.); Bull, CL (Bull, C. L.); Maynard-Casely, HE (Maynard-Casely, H. E.); Guthrie, M (Guthrie, M.)

Title: Observation of ammonia dihydrate in the AMH-VI structure at room temperature - possible implications for the outer solar system

Source: HIGH PRESSURE RESEARCH

Volume: 29

Issue: 3

Pages: 396-404

DOI: 10.1080/08957950903162057

Published: 2009

Accession Number: WOS:000270485600003

Record 15 of 240

By: Bull, CL (Bull, C. L.); Guthrie, M (Guthrie, M.); Nelmes, RJ (Nelmes, R. J.); Loveday, JS (Loveday, J. S.); Hamidov, H (Hamidov, H.); Gutmann, MJ (Gutmann, M. J.)

Title: Low-temperature neutron single-crystal diffraction studies of samples grown at high pressure

Source: HIGH PRESSURE RESEARCH

Volume: 29

Issue: 4

Pages: 644-648

Article Number: PII 917823397

DOI: 10.1080/08957950903415752

Published: 2009

Conference Title: 47th Meeting of the European-High-Pressure-Research-Group (EHPRG 47)

Conference Date: SEP 06-11, 2009

Conference Location: Univ Pierre & Marie Curie, Cordeliers Campus, Paris, FRANCE

Sponsor(s): European High Pressure Res Grp

Conference Host: Univ Pierre & Marie Curie, Cordeliers Campus

Accession Number: WOS:000274675700034

Record 16 of 240

By: Bull, CL (Bull, C. L.); Guthrie, M (Guthrie, M.); Nelmes, RJ (Nelmes, R. J.); Loveday, JS (Loveday, J. S.); Komatsu, K (Komatsu, K.); Hamidov, H (Hamidov, H.); Gutmann, MJ (Gutmann, M. J.)

Title: Time-of-flight single-crystal neutron diffraction to 10 GPa and above

Source: HIGH PRESSURE RESEARCH

Volume: 29

Issue: 4

Pages: 780-791

Article Number: PII 917821568

DOI: 10.1080/08957950903414763

Published: 2009

Accession Number: WOS:000274675700054

Record 17 of 240

By: 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

Volume: 79

Issue: 4

Article Number: 045102

DOI: 10.1103/PhysRevB.79.045102

Published: JAN 2009

Accession Number: WOS:000262978400018

Record 18 of 240

By: Fiquet, G (Fiquet, Guillaume); Badro, J (Badro, James); Gregoryanz, E (Gregoryanz, Eugene); Fei, YW (Fei, Yingwei); Occelli, F (Occelli, Florent)

Title: Sound velocity in iron carbide (Fe₃C) at high pressure: Implications for the carbon content of the Earth's inner core

Source: PHYSICS OF THE EARTH AND PLANETARY INTERIORS

Volume: 172

Issue: 1-2

Pages: 125-129

DOI: 10.1016/j.pepi.2008.05.016

Published: JAN 2009

Accession Number: WOS:000262659600016

Record 19 of 240

By: 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

Volume: 102

Issue: 3

Article Number: 035501

DOI: 10.1103/PhysRevLett.102.035501

Published: JAN 23 2009

Accession Number: WOS:000262723700040

Record 20 of 240

By: 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

Volume: 21

Issue: 2

Pages: 264-272

DOI: 10.1021/cm8020935

Published: JAN 27 2009

Accession Number: WOS:000262605200014

Record 21 of 240

By: 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

Volume: 102

Issue: 4

Article Number: 049601

DOI: 10.1103/PhysRevLett.102.049601

Published: JAN 30 2009

Accession Number: WOS:000262978600080

Record 22 of 240

By: Kimber, SAJ (Kimber, Simon A. J.); Rodgers, JA (Rodgers, Jennifer A.); Wu, H (Wu, Hua); Murray, CA (Murray, Claire A.); Argyriou, DN (Argyriou, 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 PbRuO₃

Source: PHYSICAL REVIEW LETTERS

Volume: 102

Issue: 4

Article Number: 046409

DOI: 10.1103/PhysRevLett.102.046409

Published: JAN 30 2009

Accession Number: WOS:000262978600049

Record 23 of 240

By: 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

Volume: 79

Issue: 6

Article Number: 064105

DOI: 10.1103/PhysRevB.79.064105

Published: FEB 2009

Accession Number: WOS:000263815600027

Record 24 of 240

By: 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_{0.9}F_{0.1} using point contact Andreev reflection

Source: NEW JOURNAL OF PHYSICS

Volume: 11

Article Number: 025015

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

Published: FEB 27 2009

Accession Number: WOS:000263744200014

Record 25 of 240

By: Kyritsis, K (Kyritsis, Konstantinos); Hall, C (Hall, Christopher); Bentz, DP (Bentz, Dale P.); Meller, N (Meller, Nicola); Wilsonz, MA (Wilsonz, Moira A.)

Title: Relationship Between Engineering Properties, Mineralogy, and Microstructure in Cement-Based Hydroceramic Materials Cured at 200 degrees-350 degrees C

Source: JOURNAL OF THE AMERICAN CERAMIC SOCIETY

Volume: 92

Issue: 3

Pages: 694-701

DOI: 10.1111/j.1551-2916.2008.02914.x

Published: MAR 2009

Accession Number: WOS:000264241200021

Record 26 of 240

By: Ackland, GJ (Ackland, G. J.)

Title: Ordered sigma-type phase in the Ising model of Fe-Cr stainless steel

Source: PHYSICAL REVIEW B

Volume: 79

Issue: 9

Article Number: 094202

DOI: 10.1103/PhysRevB.79.094202

Published: MAR 2009

Accession Number: WOS:000264768200050

Record 27 of 240

By: Florez, M (Florez, M.); Contreras-Garcia, J (Contreras-Garcia, J.); Recio, JM (Recio, J. M.); Marques, M (Marques, M.)

Title: Quantum-mechanical calculations of zircon to scheelite transition pathways in ZrSiO₄

Source: PHYSICAL REVIEW B

Volume: 79

Issue: 10

Article Number: 104101

DOI: 10.1103/PhysRevB.79.104101

Published: MAR 2009

Accession Number: WOS:000264768600028

Record 28 of 240

By: Ninet, S (Ninet, S.); Datchi, F (Datchi, F.); Klotz, S (Klotz, S.); Hamel, G (Hamel, G.); Loveday, JS (Loveday, J. S.); Nelmes, RJ (Nelmes, R. J.)

Title: Hydrogen bonding in ND₃ probed by neutron diffraction to 24 GPa

Source: PHYSICAL REVIEW B

Volume: 79

Issue: 10

Article Number: 100101

DOI: 10.1103/PhysRevB.79.100101

Published: MAR 2009

Accession Number: WOS:000264768600001

Record 29 of 240

By: 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 PbMnO₃

Source: INORGANIC CHEMISTRY

Volume: 48

Issue: 5

Pages: 2285-2288

DOI: 10.1021/ic802081f

Published: MAR 2 2009

Accession Number: WOS:000263667700060

Record 30 of 240

By: Goncharov, A (Goncharov, Alexander); Hemley, RJ (Hemley, Russell J.); Gregoryanz, E (Gregoryanz, E.)

Title: Comment on "Melting Line of Hydrogen at High Pressures"

Source: PHYSICAL REVIEW LETTERS

Volume: 102

Issue: 14

Article Number: 149601

DOI: 10.1103/PhysRevLett.102.149601

Published: APR 10 2009

Accession Number: WOS:000265082500079

Record 31 of 240

By: Lazicki, A (Lazicki, A.); Goncharov, AF (Goncharov, A. F.); Struzhkin, VV (Struzhkin, V. V.); Cohen, RE (Cohen, R. E.); Liu, Z (Liu, Z.); Gregoryanz, E (Gregoryanz, E.); Guillaume, C (Guillaume, C.); Mao, HK (Mao, H. -K.); Hemley, RJ (Hemley, Russell J.)

Title: Anomalous optical and electronic properties of dense sodium

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA

Volume: 106

Issue: 16

Pages: 6525-6528

DOI: 10.1073/pnas.0902062106

Published: APR 21 2009

Accession Number: WOS:000265506800020

Record 32 of 240

By: Lundegaard, LF (Lundegaard, Lars F.); Guillaume, C (Guillaume, Christophe); McMahon, MI (McMahon, Malcolm I.); Gregoryanz, E (Gregoryanz, Eugene); Merlini, M (Merlini, Marco)

Title: On the structure of high-pressure high-temperature eta-O-2

Source: JOURNAL OF CHEMICAL PHYSICS

Volume: 130

Issue: 16

Article Number: 164516

DOI: 10.1063/1.3118970

Published: APR 28 2009

Accession Number: WOS:000266885200050

Record 33 of 240

By: Luvizotto, GL (Luvizotto, G. L.); Zack, T (Zack, T.); Meyer, HP (Meyer, H. P.); Ludwig, T (Ludwig, T.); Triebold, S (Triebold, S.); Kronz, A (Kronz, A.); Munker, C (Muenker, C.); Stockli, DF (Stockli, D. F.); Prowatke, S (Prowatke, S.); Klemme, S (Klemme, S.); Jacob, DE (Jacob, D. E.); von Eynatten, H (von Eynatten, H.)

Title: Rutile crystals as potential trace element and isotope mineral standards for microanalysis

Source: CHEMICAL GEOLOGY

Volume: 261

Issue: 3-4

Special Issue: SI

Pages: 346-369

DOI: 10.1016/j.chemgeo.2008.04.012

Published: APR 30 2009

Conference Title: 17th Annual V M Goldschmidt Conference

Conference Date: AUG, 2007

Conference Location: Cologne, GERMANY

Accession Number: WOS:000265817200012

Record 34 of 240

By: Kyritsis, K (Kyritsis, Konstantinos); Meller, N (Meller, Nicola); Hall, C (Hall, Christopher)

Title: Chemistry and Morphology of Hydrogarnets Formed in Cement-Based CASH Hydroceramics Cured at 200 degrees to 350 degrees C

Source: JOURNAL OF THE AMERICAN CERAMIC SOCIETY

Volume: 92

Issue: 5

Pages: 1105-1111

DOI: 10.1111/j.1551-2916.2009.02958.x

Published: MAY 2009

Accession Number: WOS:000266012300023

Record 35 of 240

By: Chen, WT (Chen, Wei-tin); Williams, AJ (Williams, Anthony J.); Ortega-San-Martin, L (Ortega-San-Martin, Luis); Li, M (Li, Ming); Sinclair, DC (Sinclair, Derek C.); Zhou, WZ (Zhou, Wuzong); Attfield, JP (Attfield, J. Paul)

Title: Robust Antiferromagnetism and Structural Disorder in $\text{Bi}_x\text{Ca}_{1-x}\text{FeO}_3$ Perovskites

Source: CHEMISTRY OF MATERIALS

Volume: 21

Issue: 10

Pages: 2085-2093

DOI: 10.1021/cm8031048

Published: MAY 26 2009

Accession Number: WOS:000266297500013

Record 36 of 240

By: Degtyareva, VF (Degtyareva, V. F.); Degtyareva, O (Degtyareva, O.)

Title: Structure stability in the simple element sodium under pressure

Source: NEW JOURNAL OF PHYSICS

Volume: 11

Article Number: 063037

DOI: 10.1088/1367-2630/11/6/063037

Published: JUN 19 2009

Accession Number: WOS:000267522100003

Record 37 of 240

By: Ortega-San-Martin, L (Ortega-San-Martin, Luis); Williams, AJ (Williams, Anthony J.); Storer, A (Storer, Alistair); Attfield, JP (Attfield, J. Paul)

Title: Frustrated Orders in the Perovskite $(\text{Bi}_{0.5}\text{Sr}_{0.5})\text{CrO}_3$

Source: CHEMISTRY OF MATERIALS

Volume: 21

Issue: 12

Pages: 2436-2441

DOI: 10.1021/cm900148a

Published: JUN 23 2009

Accession Number: WOS:000267049200015

Record 38 of 240

By: Ivanshin, VA (Ivanshin, V. A.); Sukhanov, AA (Sukhanov, A. A.); Sokolov, DA (Sokolov, D. A.); Aronson, MC (Aronson, M. C.); Jia, S (Jia, S.); Bud'ko, SL (Bud'ko, S. L.); Canfield, PC (Canfield, P. C.)

Title: Electron spin resonance of dense Yb-based heavy-fermion compounds: New experimental data

Source: JOURNAL OF ALLOYS AND COMPOUNDS

Volume: 480

Issue: 1

Pages: 126-127

DOI: 10.1016/j.jallcom.2008.09.172

Published: JUL 1 2009

Conference Title: 16th International Conference on Solid Compounds of Transition Elements

Conference Date: JUL 26-31, 2008

Conference Location: Dresden, GERMANY

Sponsor(s): Max Planck Inst Chem Phys Fester Stoffe

Accession Number: WOS:000267721800039

Record 39 of 240

By: Lundegaard, LF (Lundegaard, L. F.); Marques, M (Marques, M.); Stinton, G (Stinton, G.); Ackland, GJ (Ackland, G. J.); Nelmes, RJ (Nelmes, R. J.); McMahan, MI (McMahon, M. I.)

Title: Observation of the oP8 crystal structure in potassium at high pressure

Source: PHYSICAL REVIEW B

Volume: 80

Issue: 2

Article Number: 020101

DOI: 10.1103/PhysRevB.80.020101

Published: JUL 2009

Accession Number: WOS:000268617500001

Record 40 of 240

By: Kusmartseva, A (Kusmartseva, A.); Yang, M (Yang, M.); Oro-Sole, J (Oro-Sole, J.); Bea, AM (Bea, A. M.); Fuertes, A (Fuertes, A.); Attfield, JP (Attfield, J. P.)

Title: Large magnetoresistances and non-Ohmic conductivity in $\text{EuWO}_{1+x}\text{N}_{2-x}$

Source: APPLIED PHYSICS LETTERS

Volume: 95

Issue: 2

Article Number: 022110

DOI: 10.1063/1.3180813

Published: JUL 13 2009

Accession Number: WOS:000268089200038

Record 41 of 240

By: Marcinkova, A (Marcinkova, A.); Suard, E (Suard, E.); Fitch, AN (Fitch, A. N.); Margadonna, S (Margadonna, S.); Bos, JWG (Bos, J. W. G.)

Title: Response of the Crystal Structure and Electronic Properties to Calcium Substitution in NdFeAsO

Source: CHEMISTRY OF MATERIALS

Volume: 21

Issue: 13

Pages: 2967-2972

DOI: 10.1021/cm9007188

Published: JUL 14 2009

Accession Number: WOS:000268138200060

Record 42 of 240

By: Margadonna, S (Margadonna, S.); Takabayashi, Y (Takabayashi, Y.); Ohishi, Y (Ohishi, Y.); Mizuguchi, Y (Mizuguchi, Y.); Takano, Y (Takano, Y.); Kagayama, T (Kagayama, T.); Nakagawa, T (Nakagawa, T.); Takata, M (Takata, M.); Prassides, K (Prassides, K.)

Title: Pressure evolution of the low-temperature crystal structure and bonding of the superconductor FeSe ($T_c=37$ K)

Source: PHYSICAL REVIEW B

Volume: 80

Issue: 6

Article Number: 064506

DOI: 10.1103/PhysRevB.80.064506

Published: AUG 2009

Accession Number: WOS:000269638800062

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By: Proctor, JE (Proctor, John E.); Gregoryanz, E (Gregoryanz, Eugene); Novoselov, KS (Novoselov, Konstantin S.); Lotya, M (Lotya, Mustafa); Coleman, JN (Coleman, Jonathan N.); Halsall, MP (Halsall, Matthew P.)

Title: High-pressure Raman spectroscopy of graphene

Source: PHYSICAL REVIEW B

Volume: 80

Issue: 7

Article Number: 073408

DOI: 10.1103/PhysRevB.80.073408
Published: AUG 2009
Accession Number: WOS:000269638900020

Record 44 of 240

By: Rodgers, JA (Rodgers, Jennifer A.); Penny, GBS (Penny, George B. S.); Marcinkova, A (Marcinkova, Andrea); Bos, JWG (Bos, Jan-Willem G.); Sokolov, DA (Sokolov, Dmitry A.); Kusmartseva, A (Kusmartseva, Anna); Huxley, AD (Huxley, Andrew D.); Attfield, JP (Attfield, J. Paul)
Title: Suppression of the superconducting transition of RFeAsO_{1-x}Fx (R=Tb, Dy, and Ho)
Source: PHYSICAL REVIEW B
Volume: 80
Issue: 5
Article Number: 052508
DOI: 10.1103/PhysRevB.80.052508
Published: AUG 2009
Accession Number: WOS:000269638500020

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Source: JETP LETTERS
Volume: 90
Issue: 2
Pages: 116-119
DOI: 10.1134/S0021364009140070
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Record 46 of 240

By: Yin, CL (Yin, Congling); Li, GB (Li, Guobao); Kockelmann, WA (Kockelmann, Winfried A.); Lin, JH (Lin, Jianhua); Attfield, JP (Attfield, J. Paul)
Title: Charge transfer and a magnetic crossover in hexagonal BaRu_{1-x}MnxO₃ perovskites
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Volume: 80
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DOI: 10.1103/PhysRevB.80.094420
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Record 47 of 240

By: Marques, M (Marques, M.); Ackland, GJ (Ackland, G. J.); Lundegaard, LF (Lundegaard, L. F.); Stinton, G (Stinton, G.); Nelmes, RJ (Nelmes, R. J.); McMahon, MI (McMahon, M. I.); Contreras-Garcia, J (Contreras-Garcia, J.)
Title: Potassium under Pressure: A Pseudobinary Ionic Compound
Source: PHYSICAL REVIEW LETTERS
Volume: 103
Issue: 11
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Record 48 of 240

By: Stinton, GW (Stinton, G. W.); Loa, I (Loa, I.); Lundegaard, LF (Lundegaard, L. F.); McMahon, MI

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Volume: 131
Issue: 10
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DOI: 10.1063/1.3204074
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Record 49 of 240

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Source: JOURNAL OF SOLID STATE CHEMISTRY
Volume: 182
Issue: 10
Pages: 2743-2747
DOI: 10.1016/j.jssc.2009.07.029
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Record 50 of 240

By: Evans, SR (Evans, S. R.); Loa, I (Loa, I.); Lundegaard, LF (Lundegaard, L. F.); McMahon, MI (McMahon, M. I.)
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Record 51 of 240

By: Degtyareva, O (Degtyareva, Olga); Proctor, JE (Proctor, John E.); Guillaume, CL (Guillaume, Christophe L.); Gregoryanz, E (Gregoryanz, Eugene); Hanfland, M (Hanfland, Michael)

Title: Formation of transition metal hydrides at high pressures

Source: SOLID STATE COMMUNICATIONS

Volume: 149

Issue: 39-40

Pages: 1583-1586

DOI: 10.1016/j.ssc.2009.07.022

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By: El-Hajj, ZW (El-Hajj, Ziad W.); Tryfona, T (Tryfona, Theodora); Allcock, DJ (Allcock, David J.); Hasan, F (Hasan, Fariha); Lauro, FM (Lauro, Federico M.); Sawyer, L (Sawyer, Lindsay); Bartlett, DH (Bartlett, Douglas H.); Ferguson, GP (Ferguson, Gail P.)

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Source: JOURNAL OF BACTERIOLOGY

Volume: 191

Issue: 20

Pages: 6383-6393

DOI: 10.1128/JB.00576-09

Published: OCT 15 2009

Accession Number: WOS:000270227500022

Record 53 of 240

By: Klemme, S (Klemme, S.); Ivanic, TJ (Ivanic, T. J.); Connolly, JAD (Connolly, J. A. D.); Harte, B (Harte, B.)

Title: Thermodynamic modelling of Cr-bearing garnets with implications for diamond inclusions and peridotite xenoliths

Source: LITHOS

Volume: 112

Special Issue: SI

Pages: 986-991

DOI: 10.1016/j.lithos.2009.05.007

Part: 2

Published: NOV 2009

Conference Title: 9th International Kimberlite Conference

Conference Date: AUG 10-15, 2008

Conference Location: Johann Wolfgang Goethe Univ, Frankfurt, GERMANY

Sponsor(s): Rio Tinto Explorat; De Beers Grp; BHP Billiton Diamonds Inc; 8th Int Kimberlite Conf; German Sci Fdn; Mineralogie Frankfurt; Bauer Resources GmbH; German Water & Energy GmbH; PRAKLA Bohrtechn GmbH; 7th Int Kimberlite Conf

Conference Host: Johann Wolfgang Goethe Univ

Accession Number: WOS:000273256800038

Record 54 of 240

By: Gresty, NC (Gresty, Nathalie C.); Takabayashi, Y (Takabayashi, Yasuhiro); Ganin, AY (Ganin, Alexey Y.); McDonald, MT (McDonald, Martin T.); Claridge, JB (Claridge, John B.); Giap, D (Giap, Duong); Mizuguchi, Y (Mizuguchi, Yoshikazu); Takano, Y (Takano, Yoshihiko); Kagayama, T (Kagayama, Tomoko); Ohishi, Y (Ohishi, Yasuo); Takata, M (Takata, Masaki); Rosseinsky, MJ (Rosseinsky, Matthew J.);

Margadonna, S (Margadonna, Serena); Prassides, K (Prassides, Kosmas)

Title: Structural Phase Transitions and Superconductivity in Fe_{1+delta}Se_{0.57Te_{0.43}} at Ambient and Elevated Pressures

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Volume: 131

Issue: 46

Pages: 16944-16952

DOI: 10.1021/ja907345x

Published: NOV 25 2009

Accession Number: WOS:000272185400067

Record 55 of 240

By: Johnstone, RDL (Johnstone, Russell D. L.); Lennie, AR (Lennie, Alistair R.); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Warren, JE (Warren, John E.)

Title: Comparison of the effects of pressure on three layered hydrates: a partially successful attempt to predict a high-pressure phase transition

Source: ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE

Volume: 65

Pages: 731-748

DOI: 10.1107/S0108768109039469

Published: DEC 2009

Accession Number: WOS:000271873000010

Record 56 of 240

By: Wragg, DS (Wragg, David S.); Byrne, PJ (Byrne, Peter J.); Giriati, G (Giriati, Gaetan); Le Ouay, B (Le Ouay, Benjamin); Gyepes, R (Gyepes, Robert); Harrison, A (Harrison, Andrew); Whittaker, AG (Whittaker, A. Gavin); Morris, RE (Morris, Russell E.)

Title: In Situ Comparison of Ionothermal Kinetics Under Microwave And Conventional Heating

Source: JOURNAL OF PHYSICAL CHEMISTRY C

Volume: 113

Issue: 48

Pages: 20553-20558

DOI: 10.1021/jp907785t

Published: DEC 3 2009

Accession Number: WOS:000272038600006

Record 57 of 240

By: de Vries, MA (de Vries, M. A.); Stewart, JR (Stewart, J. R.); Deen, PP (Deen, P. P.); Piatek, JO (Piatek, J. O.); Nilsen, GJ (Nilsen, G. J.); Ronnow, HM (Ronnow, H. M.); Harrison, A (Harrison, A.)

Title: Scale-Free Antiferromagnetic Fluctuations in the s=1/2 Kagome Antiferromagnet Herbertsmithite

Source: PHYSICAL REVIEW LETTERS

Volume: 103

Issue: 23

Article Number: 237201

DOI: 10.1103/PhysRevLett.103.237201

Published: DEC 4 2009

Accession Number: WOS:000272460200038

Record 58 of 240

By: Yang, MH (Yang, Minghui); Rodgers, JA (Rodgers, Jennifer A.); Middler, LC (Middler, Lawrence C.); Oro-Sole, J (Oro-Sole, Judith); Jorge, AB (Belen Jorge, A.); Fuentes, A (Fuentes, Amparo); Attfield, JP (Attfield, J. Paul)

Title: Direct Solid-State Synthesis at High Pressures of New Mixed-Metal Oxynitrides: RZrO₂N (R = Pr, Nd, and Sm)

Source: INORGANIC CHEMISTRY

Volume: 48

Issue: 24
Pages: 11498-11500
DOI: 10.1021/ic902020r
Published: DEC 21 2009
Accession Number: WOS:000272556700006

Record 59 of 240

By: Parois, P (Parois, Pascal); Moggach, SA (Moggach, Stephen A.); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Lennie, AR (Lennie, Alistair R.); Warren, JE (Warren, John E.); Brechin, EK (Brechin, Euan K.); Parsons, S (Parsons, Simon); Murrice, M (Murrice, Mark)
Title: Pressure-induced Jahn-Teller switching in a Mn-12 nanomagnet
Source: CHEMICAL COMMUNICATIONS

Volume: 46

Issue: 11

Pages: 1881-1883

DOI: 10.1039/b923962f

Published: 2010

Accession Number: WOS:000275099600022

Record 60 of 240

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

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Source: CHEMICAL COMMUNICATIONS

Volume: 46

Issue: 31

Pages: 5662-5664

DOI: 10.1039/c0cc00368a

Published: 2010

Accession Number: WOS:000280514500006

Record 61 of 240

By: Kusmartseva, AF (Kusmartseva, Anna F.); Yang, MH (Yang, Minghui); Arevalo-Lopez, AM (Arevalo-Lopez, Angel M.); Kamenev, KV (Kamenev, Konstantin V.); Attfield, JP (Attfield, J. Paul)

Title: Pressure suppression of charge order without metallisation in Cs₂Au₂I₆

Source: CHEMICAL COMMUNICATIONS

Volume: 46

Issue: 36

Pages: 6681-6683

DOI: 10.1039/c0cc01708f

Published: 2010

Accession Number: WOS:000281604500009

Record 62 of 240

By: Emery, N (Emery, Nicolas); Wildman, EJ (Wildman, Eve J.); Skakle, JMS (Skakle, Janet M. S.); Giriat, G (Giriat, Gaetan); Smith, RI (Smith, Ron I.); McLaughlin, AC (McLaughlin, Abbie C.)

Title: Giant magnetoresistance in oxypnictides (La,Nd)OMnAs

Source: CHEMICAL COMMUNICATIONS

Volume: 46

Issue: 36

Pages: 6777-6779

DOI: 10.1039/c0cc01380c

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Record 63 of 240

By: Millar, DIA (Millar, David I. A.); Marshall, WG (Marshall, William G.); Oswald, IDH (Oswald, Iain D. H.); Pulham, CR (Pulham, Colin R.)

Title: High-pressure structural studies of energetic materials

Source: CRYSTALLOGRAPHY REVIEWS

Volume: 16

Issue: 2

Pages: 115-132

DOI: 10.1080/08893110903443422

Published: 2010

Accession Number: WOS:000280236800004

Record 64 of 240

By: Johnstone, RDL (Johnstone, Russell D. L.); Lennie, AR (Lennie, Alistair R.); Parker, SF (Parker, Stewart F.); Parsons, S (Parsons, Simon); Pidcock, E (Pidcock, Elna); Richardson, PR (Richardson, Patricia R.); Warren, JE (Warren, John E.); Wood, PA (Wood, Peter A.)

Title: High-pressure polymorphism in salicylamide

Source: CRYSTENGCOMM

Volume: 12

Issue: 4

Pages: 1065-1078

DOI: 10.1039/b921288d

Published: 2010

Accession Number: WOS:000275933900014

Record 65 of 240

By: Moggach, SA (Moggach, Stephen A.); Gorbitz, CH (Gorbitz, Carl Henrik); Warren, JE (Warren, John E.)

Title: The effect of pressure on the porous peptide L-alanyl-L-valine

Source: CRYSTENGCOMM

Volume: 12

Issue: 8

Pages: 2322-2324

DOI: 10.1039/c000942c

Published: 2010

Accession Number: WOS:000280204900006

Record 66 of 240

By: Galloway, KW (Galloway, Kyle W.); Moggach, SA (Moggach, Stephen A.); Parois, P (Parois, Pascal); Lennie, AR (Lennie, Alistair R.); Warren, JE (Warren, John E.); Brechin, EK (Brechin, Euan K.); Peacock, RD (Peacock, Robert D.); Valiente, R (Valiente, Rafael); Gonzalez, J (Gonzalez, Jesus); Rodriguez, F (Rodriguez, Fernando); Parsons, S (Parsons, Simon); Murrice, M (Murrice, Mark)

Title: Pressure-induced switching in a copper(II) citrate dimer

Source: CRYSTENGCOMM

Volume: 12

Issue: 9

Pages: 2516-2519

DOI: 10.1039/c001376e

Published: 2010

Accession Number: WOS:000281142500002

Record 67 of 240

By: Johnstone, RDL (Johnstone, Russell D. L.); Ieva, M (Ieva, Maria); Lennie, AR (Lennie, Alistair R.); McNab, H (McNab, Hamish); Pidcock, E (Pidcock, Elna); Warren, JE (Warren, John E.); Parsons, S (Parsons, Simon)

Title: Pressure as a tool in crystal engineering: inducing a phase transition in a high-Z³ structure

Source: CRYSTENGGCOMM
Volume: 12
Issue: 9
Pages: 2520-2523
DOI: 10.1039/b917290d
Published: 2010
Accession Number: WOS:000281142500003

Record 68 of 240

By: Millar, DIA (Millar, David I. A.); Maynard-Casely, HE (Maynard-Casely, Helen E.); Kleppe, AK (Kleppe, Annette K.); Marshall, WG (Marshall, William G.); Pulham, CR (Pulham, Colin R.); Cumming, AS (Cumming, Adam S.)
Title: Putting the squeeze on energetic materials-structural characterisation of a high-pressure phase of CL-20
Source: CRYSTENGGCOMM
Volume: 12
Issue: 9
Pages: 2524-2527
DOI: 10.1039/c002701d
Published: 2010
Accession Number: WOS:000281142500004

Record 69 of 240

By: Oswald, IDH (Oswald, Iain D. H.); Lennie, AR (Lennie, Alistair R.); Pulham, CR (Pulham, Colin R.); Shankland, K (Shankland, Kenneth)
Title: High-pressure structural studies of the pharmaceutical, chlorothiazide
Source: CRYSTENGGCOMM
Volume: 12
Issue: 9
Pages: 2533-2540
DOI: 10.1039/c001355b
Published: 2010
Accession Number: WOS:000281142500006

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By: Funnell, NP (Funnell, Nicholas P.); Dawson, A (Dawson, Alice); Francis, D (Francis, Duncan); Lennie, AR (Lennie, Alistair R.); Marshall, WG (Marshall, William G.); Moggach, SA (Moggach, Stephen A.); Warren, JE (Warren, John E.); Parsons, S (Parsons, Simon)
Title: The effect of pressure on the crystal structure of L-alanine
Source: CRYSTENGGCOMM
Volume: 12
Issue: 9
Pages: 2573-2583
DOI: 10.1039/c001296c
Published: 2010
Accession Number: WOS:000281142500011

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By: Moggach, SA (Moggach, Stephen A.); Lennie, AR (Lennie, Alistair R.); Morrison, CA (Morrison, Carole A.); Richardson, P (Richardson, Patricia); Stefanowicz, FA (Stefanowicz, Fiona A.); Warren, JE (Warren, John E.)
Title: Pressure induced phase transitions in the tripeptide glutathione to 5.24 GPa: the crystal structure of glutathione-II at 2.94 GPa and glutathione-III at 3.70 GPa
Source: CRYSTENGGCOMM
Volume: 12
Issue: 9
Pages: 2587-2595

DOI: 10.1039/c001254h
Published: 2010
Accession Number: WOS:000281142500013

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By: Prescimone, A (Prescimone, Alessandro); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KK (Kamenev, Konstantin K.); Moggach, SA (Moggach, Stephen A.); Warren, JE (Warren, John E.); Lennie, AR (Lennie, Alistair R.); Murrie, M (Murrie, Mark); Parsons, S (Parsons, Simon); Brechin, EK (Brechin, Euan K.)
Title: High pressure studies of hydroxo-bridged Cu(II) dimers
Source: DALTON TRANSACTIONS
Volume: 39
Issue: 1
Pages: 113-123
DOI: 10.1039/b918287j
Published: 2010
Accession Number: WOS:000272679300016

Record 73 of 240

By: Clegg, JK (Clegg, Jack K.); Hayter, MJ (Hayter, Michael J.); Jolliffe, KA (Jolliffe, Katrina A.); Lindoy, LF (Lindoy, Leonard F.); McMurtrie, JC (McMurtrie, John C.); Meehan, GV (Meehan, George V.); Neville, SM (Neville, Suzanne M.); Parsons, S (Parsons, Simon); Tasker, PA (Tasker, Peter A.); Turner, P (Turner, Peter); White, FJ (White, Fraser J.)
Title: New discrete and polymeric supramolecular architectures derived from dinuclear Co(II), Ni(II) and Cu (II) complexes of aryl-linked bis-beta-diketonato ligands and nitrogen bases: synthetic, structural and high pressure studies
Source: DALTON TRANSACTIONS
Volume: 39
Issue: 11
Pages: 2804-2815
DOI: 10.1039/b920199h
Published: 2010
Accession Number: WOS:000275159100008

Record 74 of 240

By: Allan, DR (Allan, D. R.); Marshall, WG (Marshall, W. G.); Francis, DJ (Francis, D. J.); Oswald, IDH (Oswald, I. D. H.); Pulham, CR (Pulham, C. R.); Spanswick, C (Spanswick, C.)
Title: The crystal structures of the low-temperature and high-pressure polymorphs of nitric acid
Source: DALTON TRANSACTIONS
Volume: 39
Issue: 15
Pages: 3736-3743
DOI: 10.1039/b923975h
Published: 2010
Accession Number: WOS:000276152800022

Record 75 of 240

By: Galloway, KW (Galloway, Kyle W.); Schmidtman, M (Schmidtman, Marc); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Wernsdorfer, W (Wernsdorfer, Wolfgang); Murrie, M (Murrie, Mark)
Title: Slow magnetic relaxation in a 3D network of cobalt(II) citrate cubanes
Source: DALTON TRANSACTIONS
Volume: 39
Issue: 20
Pages: 4727-4729
DOI: 10.1039/b924803j
Published: 2010

Accession Number: WOS:000277689800008

Record 76 of 240

By: Parois, P (Parois, Pascal); Moggach, SA (Moggach, Stephen A.); Lennie, AR (Lennie, Alistair R.); Warren, JE (Warren, John E.); Brechin, EK (Brechin, Euan K.); Murrie, M (Murrie, Mark); Parsons, S (Parsons, Simon)

Title: The effect of pressure on the crystal structure of [Gd(PhCOO)(3)(DMF)](n) to 3.7 GPa and the transition to a second phase at 5.0 GPa

Source: DALTON TRANSACTIONS

Volume: 39

Issue: 30

Pages: 7004-7011

DOI: 10.1039/c0dt00046a

Published: 2010

Accession Number: WOS:000280183100013

Record 77 of 240

By: El-Hajj, ZW (El-Hajj, Ziad W.); Allcock, D (Allcock, David); Tryfona, T (Tryfona, Theodora); Lauro, FM (Lauro, Federico M.); Sawyer, L (Sawyer, Lindsay); Bartlett, DH (Bartlett, Douglas H.); Ferguson, GP (Ferguson, Gail P.)

Edited by: Bartlett, DH (Bartlett, DH)

Title: Insights into piezophily from genetic studies on the deep-sea bacterium, Photobacterium profundum SS9

Source: HIGH-PRESSURE BIOSCIENCE AND BIOTECHNOLOGY

Book Series Title: Annals of the New York Academy of Sciences

Volume: 1189

Pages: 143-148

DOI: 10.1111/j.1749-6632.2009.05178.x

Published: 2010

Conference Title: 5th International High-Pressure Bioscience and Biotechnology Conference

Conference Date: SEP 15-19, 2008

Conference Location: La Jolla, CA

Accession Number: WOS:000277662500020

Record 78 of 240

By: Degtyareva, O (Degtyareva, Olga)

Edited by: Boldyreva, E (Boldyreva, E); Dera, P (Dera, P)

Title: SIMPLE METALS AT HIGH PRESSURES

Source: HIGH-PRESSURE CRYSTALLOGRAPHY: FROM FUNDAMENTAL PHENOMENA TO TECHNOLOGICAL APPLICATIONS

Book Series Title: NATO Science for Peace and Security Series B-Physics and Biophysics

Pages: 261-280

DOI: 10.1007/978-90-481-9258-8_23

Published: 2010

Conference Title: 41st Course of the International School of Crystallography

Conference Date: JUN 04-14, 2009

Conference Location: Ettore Majorana Ctr Sci Culture, Erice, ITALY

Sponsor(s): Ettore Majorana Ctr Sci Culture

Conference Host: Ettore Majorana Ctr Sci Culture

Accession Number: WOS:000288972100023

Record 79 of 240

By: Sanloup, C (Sanloup, Chryste)le)

Edited by: Boldyreva, E (Boldyreva, E); Dera, P (Dera, P)

Title: AMORPHOUS MATERIALS AT HIGH PRESSURE

Source: HIGH-PRESSURE CRYSTALLOGRAPHY: FROM FUNDAMENTAL PHENOMENA TO TECHNOLOGICAL APPLICATIONS

Book Series Title: NATO Science for Peace and Security Series B-Physics and Biophysics

Pages: 459-468

DOI: 10.1007/978-90-481-9258-8_37

Published: 2010

Conference Title: 41st Course of the International School of Crystallography

Conference Date: JUN 04-14, 2009

Conference Location: Ettore Majorana Ctr Sci Culture, Erice, ITALY

Sponsor(s): Ettore Majorana Ctr Sci Culture

Conference Host: Ettore Majorana Ctr Sci Culture

Accession Number: WOS:000288972100037

Record 80 of 240

By: Degtyareva, O (Degtyareva, Olga)

Title: Crystal structure of simple metals at high pressures

Source: HIGH PRESSURE RESEARCH

Volume: 30

Issue: 3

Pages: 343-371

DOI: 10.1080/08957959.2010.508877

Published: 2010

Accession Number: WOS:000285460200001

Record 81 of 240

By: Chen, W (Chen, Wei-tin); Long, YW (Long, Youwen); Saito, T (Saito, Takashi); Attfield, JP (Attfield, J. Paul); Shimakawa, Y (Shimakawa, Yuichi)

Title: Charge transfer and antiferromagnetic order in the A-site-ordered perovskite LaCu3Fe4O12

Source: JOURNAL OF MATERIALS CHEMISTRY

Volume: 20

Issue: 34

Pages: 7282-7286

DOI: 10.1039/c0jm00767f

Published: 2010

Accession Number: WOS:000281109700033

Record 82 of 240

By: Marcinkova, A (Marcinkova, Andrea); Grist, DAM (Grist, David A. M.); Margiolaki, I (Margiolaki, Irene); Hansen, TC (Hansen, Thomas C.); Margadonna, S (Margadonna, Serena); Bos, JWG (Bos, Jan-Willem G.)

Title: Superconductivity in NdFe_{1-x}CoxAsO (0.05 < x < 0.20) and rare-earth magnetic ordering in NdCoAsO

Source: PHYSICAL REVIEW B

Volume: 81

Issue: 6

Article Number: 064511

DOI: 10.1103/PhysRevB.81.064511

Published: FEB 2010

Accession Number: WOS:000274998100101

Record 83 of 240

By: Prescimone, A (Prescimone, Alessandro); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Kamenev, KV (Kamenev, Konstantin V.); Warren, JE (Warren, John E.); Lennie, AR (Lennie, Alistair R.); Murrie, M (Murrie, Mark); Parsons, S (Parsons, Simon); Brechin, EK (Brechin, Euan K.)

Title: High-Pressure Study of Oxo-bridged Mixed-Valent Mn-III/Mn-IV Dimers

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES

Volume: 65

Issue: 3

Pages: 221-230
Published: MAR 2010
Accession Number: WOS:000278403700002

Record 84 of 240

By: Yang, M (Yang, Minghui); Oro-Sole, J (Oro-Sole, Judith); Kusmartseva, A (Kusmartseva, Anna); Fuertes, A (Fuertes, Amparo); Attfield, JP (Attfield, J. Paul)
Title: Electronic Tuning of Two Metals and Colossal Magnetoresistances in $\text{EuWO}_3+\text{xN}_2\text{-x}$ Perovskites
Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
Volume: 132
Issue: 13
Pages: 4822-4829
DOI: 10.1021/ja910745b
Published: APR 7 2010
Accession Number: WOS:000276553600066

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By: Hill, AH (Hill, Adrian H.); Harrison, A (Harrison, Andrew); Dickinson, C (Dickinson, Calum); Zhou, WZ (Zhou, Wuzong); Kockelmann, W (Kockelmann, Winfried)
Title: Crystallographic and magnetic studies of mesoporous eskolaite, Cr_2O_3
Source: MICROPOROUS AND MESOPOROUS MATERIALS
Volume: 130
Issue: 1-3
Pages: 280-286
DOI: 10.1016/j.micromeso.2009.11.021
Published: MAY 2010
Accession Number: WOS:000275702600038

Record 86 of 240

By: Yin, CL (Yin, Congling); Li, GB (Li, Guobao); Kockelmann, WA (Kockelmann, Winfried A.); Liao, FH (Liao, Fuhui); Attfield, JP (Attfield, J. Paul); Lin, JH (Lin, Jianhua)
Title: Frustrated and Unfrustrated Magnetic Orders in the 10H Perovskite $\text{Ba}_5\text{Sb}_1\text{-xMn}_4+\text{xO}_{15-\delta}$
Source: CHEMISTRY OF MATERIALS
Volume: 22
Issue: 10
Pages: 3269-3276
DOI: 10.1021/cm100578u
Published: MAY 25 2010
Accession Number: WOS:000277635000033

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By: Magni, S (Magni, Simone); Milani, M (Milani, Marziale)
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Title: ALUMINIUM Simple metal no more
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Issue: 2

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Issue: 1-2
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Part: 4
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Volume: 84
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Volume: 38
Issue: 8
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Published: SEP 2011
Accession Number: WOS:000293141700006

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Title: XAS/EXAFS studies of Ge nanoparticles produced by reaction between Mg_2Ge and $GeCl_4$
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Issue: 9
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Volume: 23
Issue: 36
Article Number: 365704
DOI: 10.1088/0953-8984/23/36/365704
Published: SEP 14 2011
Accession Number: WOS:000294292900013

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Title: Metamagnetism and soliton excitations in the modulated ferromagnetic Ising chain CoV_2O_6
Source: PHYSICAL REVIEW B
Volume: 84
Issue: 10
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Issue: 9

Article Number: 094418
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Published: SEP 15 2011
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Volume: 84

Issue: 9

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DOI: 10.1103/PhysRevB.84.094455

Published: SEP 28 2011

Accession Number: WOS:000295325600012

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Title: Incommensurate spin order in the metallic perovskite MnVO₃

Source: PHYSICAL REVIEW B

Volume: 84

Issue: 9

Article Number: 094450

DOI: 10.1103/PhysRevB.84.094450

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Accession Number: WOS:000295325600007

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Volume: 115

Issue: 38

Pages: 18782-18788

DOI: 10.1021/jp2012599

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Accession Number: WOS:000295058100046

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Volume: 3

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DOI: 10.1038/NCHEM.1129

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Record 132 of 240

By: Harte, B (Harte, Ben)

Title: Diamond Window into the Lower Mantle

Source: SCIENCE

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Volume: 84

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DOI: 10.1103/PhysRevB.84.144113

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Record 134 of 240

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Source: GONDWANA RESEARCH
Volume: 21
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By: Gatta, GD (Gatta, G. Diego); Alvaro, M (Alvaro, Matteo); Bromiley, G (Bromiley, Geoffrey)
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Title: Tuning the coordination chemistry of a Cu(II) complex at high-pressure
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Volume: 41
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By: Millar, DIA (Millar, David I. A.); Maynard-Casely, HE (Maynard-Casely, Helen E.); Allan, DR (Allan, David R.); Cumming, AS (Cumming, Adam S.); Lennie, AR (Lennie, Alistair R.); Mackay, AJ (Mackay, Alexandra J.); Oswald, IDH (Oswald, Iain D. H.); Tang, CC (Tang, Chiu C.); Pulham, CR (Pulham, Colin R.)

Title: Crystal engineering of energetic materials: Co-crystals of CL-20

Source: CRYSTENGCOMM

Volume: 14

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By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: Energetic Materials at Extreme Conditions Introduction

Source: ENERGETIC MATERIALS AT EXTREME CONDITIONS

Book Series Title: Springer Theses-Recognizing Outstanding PhD Research

Pages: 1-28

DOI: 10.1007/978-3-642-23132-2_1

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By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: Experimental Techniques

Source: ENERGETIC MATERIALS AT EXTREME CONDITIONS

Book Series Title: Springer Theses-Recognizing Outstanding PhD Research

Pages: 29-54

DOI: 10.1007/978-3-642-23132-2_2

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By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: Structural Studies of RDX

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Pages: 55-93

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By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: High-Pressure Structural Studies of CL-20

Source: ENERGETIC MATERIALS AT EXTREME CONDITIONS

Book Series Title: Springer Theses-Recognizing Outstanding PhD Research

Pages: 95-124

DOI: 10.1007/978-3-642-23132-2_4

Published: 2012

Accession Number: WOS:000301086900004

Book DOI: 10.1007/978-3-642-23132-2

Record 151 of 240

By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: Structural Investigation of a Series of Inorganic Azides

Source: ENERGETIC MATERIALS AT EXTREME CONDITIONS

Book Series Title: Springer Theses-Recognizing Outstanding PhD Research

Pages: 125-181

DOI: 10.1007/978-3-642-23132-2_5

Published: 2012

Accession Number: WOS:000301086900005

Book DOI: 10.1007/978-3-642-23132-2

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By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: Structural Investigation of a Series of Inorganic Azides

Source: ENERGETIC MATERIALS AT EXTREME CONDITIONS

Book Series Title: Springer Theses-Recognizing Outstanding PhD Research

Pages: 183-212

DOI: 10.1007/978-3-642-23132-2_6

Published: 2012

Accession Number: WOS:000301086900006

Book DOI: 10.1007/978-3-642-23132-2

Record 153 of 240

By: Millar, DIA (Millar, David I. A.)

Book Author(s): Millar, DIA

Title: General Remarks

Source: ENERGETIC MATERIALS AT EXTREME CONDITIONS

Book Series Title: Springer Theses-Recognizing Outstanding PhD Research

Pages: 213-214

DOI: 10.1007/978-3-642-23132-2_7

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Accession Number: WOS:000301086900007

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By: Chaimayo, W (Chaimayo, Wanaruk); Lundegaard, LF (Lundegaard, Lars F.); Loa, I (Loa, Ingo); Stinton, GW (Stinton, Graham W.); Lennie, AR (Lennie, Alistair R.); McMahon, MI (McMahon, Malcolm I.)

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Issue: 3

Pages: 442-449

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Accession Number: WOS:000309121500013

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Mark S.); Sher, F (Sher, Falak); Farnham, J (Farnham, James); Gibbs, W (Gibbs, William); Attfield, JP (Attfield, J. Paul)

Title: "Hard-Soft" Synthesis of SrCrO_{3-d} Superstructure Phases

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Issue: 43

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Record 156 of 240

By: McMahon, MI (McMahon, Malcolm I.)

Edited by: Rissanen, K (Rissanen, K)

Title: High-Pressure Crystallography

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Volume: 315

Pages: 69-109

DOI: 10.1007/128_2011_132

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Source: CHEMISTRY OF MATERIALS

Volume: 24

Issue: 1

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Record 158 of 240

By: Senn, MS (Senn, Mark S.); Wright, JP (Wright, Jon P.); Attfield, JP (Attfield, J. Paul)

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Source: NATURE

Volume: 481

Issue: 7380

Pages: 173-176

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Volume: 85

Issue: 1

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Published: JAN 20 2012
Accession Number: WOS:000299422900006

Record 160 of 240

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Source: PHYSICAL REVIEW LETTERS
Volume: 108
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Published: JAN 24 2012
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By: Gorelli, FA (Gorelli, F. A.); Elatresh, SF (Elatresh, S. F.); Guillaume, CL (Guillaume, C. L.); Marques, M (Marques, M.); Ackland, GJ (Ackland, G. J.); Santoro, M (Santoro, M.); Bonev, SA (Bonev, S. A.); Gregoryanz, E (Gregoryanz, E.)
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Source: PHYSICAL REVIEW LETTERS
Volume: 108
Issue: 5

Article Number: 055501
DOI: 10.1103/PhysRevLett.108.055501
Published: JAN 30 2012
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By: Zhang, J (Zhang, Jing); Rouillon, C (Rouillon, Christophe); Kerou, M (Kerou, Melina); Reeks, J (Reeks, Judith); Brugger, K (Brugger, Kim); Graham, S (Graham, Shirley); Reimann, J (Reimann, Julia); Cannone, G (Cannone, Giuseppe); Liu, HT (Liu, Huanting); Albers, SV (Albers, Sonja-Verena); Naismith, JH (Naismith, James H.); Spagnolo, L (Spagnolo, Laura); White, MF (White, Malcolm F.)
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Source: MOLECULAR CELL

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Issue: 3
Pages: 303-313
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By: van Kan Parker, M (van Kan Parker, Mirjam); Sanloup, C (Sanloup, Chrystele); Sator, N (Sator, Nicolas); Guillot, B (Guillot, Bertrand); Tronche, EJ (Tronche, Elodie J.); Perrillat, JP (Perrillat, Jean-Philippe); Mezouar, M (Mezouar, Mohamed); Rai, N (Rai, Nachiketa); van Westrenen, W (van Westrenen, Wim)
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Source: NATURE GEOSCIENCE

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Issue: 3
Pages: 186-189
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By: Wilson, CW (Wilson, C. W.); Bull, CL (Bull, C. L.); Stinton, G (Stinton, G.); Loveday, JS (Loveday, J. S.)
Title: Pressure-induced dehydration and the structure of ammonia hemihydrate-II
Source: JOURNAL OF CHEMICAL PHYSICS
Volume: 136
Issue: 9
Article Number: 094506
DOI: 10.1063/1.3686870
Published: MAR 7 2012
Accession Number: WOS:000301664200030

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By: Senn, MS (Senn, Mark S.); Loa, I (Loa, Ingo); Wright, JP (Wright, Jon P.); Attfield, JP (Attfield, J. Paul)
Title: Electronic orders in the Verwey structure of magnetite
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Volume: 85
Issue: 12
Article Number: 125119
DOI: 10.1103/PhysRevB.85.125119
Published: MAR 12 2012
Accession Number: WOS:000301772100004

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By: Howie, RT (Howie, Ross T.); Guillaume, CL (Guillaume, Christophe L.); Scheler, T (Scheler, Thomas); Goncharov, AF (Goncharov, Alexander F.); Gregoryanz, E (Gregoryanz, Eugene)
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Volume: 108
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Volume: 85
Issue: 9
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DOI: 10.1103/PhysRevB.85.094111
Published: MAR 29 2012
Accession Number: WOS:000302103500001

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Source: JOURNAL OF APPLIED PHYSICS
Volume: 111
Issue: 7
Article Number: 07E132

DOI: 10.1063/1.3676014
Published: APR 1 2012
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By: Camp, PJ (Camp, Philip J.); Fuertes, A (Fuertes, Amparo); Attfield, JP (Attfield, J. Paul)
Title: Subextensive Entropies and Open Order in Perovskite Oxynitrides
Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
Volume: 134
Issue: 15
Pages: 6762-6766
DOI: 10.1021/ja300847m
Published: APR 18 2012
Accession Number: WOS:000302887300039

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By: Kozlenko, DP (Kozlenko, D. P.); Kusmartseva, AF (Kusmartseva, A. F.); Lukin, EV (Lukin, E. V.); Keen, DA (Keen, D. A.); Marshall, WG (Marshall, W. G.); de Vries, MA (de Vries, M. A.); Kamenev, KV (Kamenev, K. V.)
Title: From Quantum Disorder to Magnetic Order in an $s=1/2$ Kagome Lattice: A Structural and Magnetic Study of Herbertsmithite at High Pressure
Source: PHYSICAL REVIEW LETTERS
Volume: 108
Issue: 18
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DOI: 10.1103/PhysRevLett.108.187207
Published: MAY 3 2012
Accession Number: WOS:000303661900026

Record 171 of 240

By: Chen, WT (Chen, Wei-Ting); Sheu, HS (Sheu, Hwo-Shuenn); Liu, RS (Liu, Ru-Shi); Attfield, JP (Attfield, J. Paul)
Title: Cation-Size-Mismatch Tuning of Photoluminescence in Oxynitride Phosphors
Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
Volume: 134
Issue: 19
Pages: 8022-8025
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Published: MAY 16 2012
Accession Number: WOS:000304027100006

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By: Parsons, S (Parsons, Simon); Wagner, T (Wagner, Trixie); Presly, O (Presly, Oliver); Wood, PA (Wood, Peter A.); Cooper, RI (Cooper, Richard I.)
Title: Applications of leverage analysis in structure refinement
Source: JOURNAL OF APPLIED CRYSTALLOGRAPHY
Volume: 45
Pages: 417-429
DOI: 10.1107/S0021889812015191
Part: 3
Published: JUN 2012
Accession Number: WOS:000304402500006

Record 173 of 240

By: Byrne, PJ (Byrne, Peter J.); Richardson, PJ (Richardson, Patricia J.); Chang, J (Chang, John); Kusmartseva, AF (Kusmartseva, Anna F.); Allan, DR (Allan, David R.); Jones, AC (Jones, Anita C.);

Kamenev, KV (Kamenev, Konstantin V.); Tasker, PA (Tasker, Peter A.); Parsons, S (Parsons, Simon)
Title: Piezochromism in Nickel Salicylaloximate Complexes: Tuning Crystal-Field Splitting with High Pressure
Source: CHEMISTRY-A EUROPEAN JOURNAL
Volume: 18
Issue: 25
Pages: 7738-7748
DOI: 10.1002/chem.201200213
Published: JUN 2012
Accession Number: WOS:000305187300015

Record 174 of 240

By: Wilding, M (Wilding, Martin); Guthrie, M (Guthrie, Malcolm); Kohara, S (Kohara, Shinji); Bull, CL (Bull, Craig L.); Akola, J (Akola, Jaakko); Tucker, MG (Tucker, Matt G.)
Title: The structure of MgO-SiO₂ glasses at elevated pressure
Source: JOURNAL OF PHYSICS-CONDENSED MATTER
Volume: 24
Issue: 22
Article Number: 225403
DOI: 10.1088/0953-8984/24/22/225403
Published: JUN 6 2012
Accession Number: WOS:000304873300018

Record 175 of 240

By: MacLeod, SG (MacLeod, S. G.); Tegner, BE (Tegner, B. E.); Cynn, H (Cynn, H.); Evans, WJ (Evans, W. J.); Proctor, JE (Proctor, J. E.); McMahon, MI (McMahon, M. I.); Ackland, GJ (Ackland, G. J.)
Title: Experimental and theoretical study of Ti-6Al-4V to 220 GPa
Source: PHYSICAL REVIEW B
Volume: 85
Issue: 22
Article Number: 224202
DOI: 10.1103/PhysRevB.85.224202
Published: JUN 7 2012
Accession Number: WOS:000304932200004

Record 176 of 240

By: Marcinkova, A (Marcinkova, A.); Hansen, TC (Hansen, T. C.); Bos, JWG (Bos, J. W. G.)
Title: Iron spin-reorientation transition in NdFeAsO
Source: JOURNAL OF PHYSICS-CONDENSED MATTER
Volume: 24
Issue: 25
Article Number: 256007
DOI: 10.1088/0953-8984/24/25/256007
Published: JUN 27 2012
Accession Number: WOS:000304875600026

Record 177 of 240

By: Loa, I (Loa, I.); Nelmes, RJ (Nelmes, R. J.); Lundegaard, LF (Lundegaard, L. F.); McMahon, MI (McMahon, M. I.)
Title: Extraordinarily complex crystal structure with mesoscopic patterning in barium at high pressure
Source: NATURE MATERIALS
Volume: 11
Issue: 7
Pages: 627-632
DOI: 10.1038/NMAT3342

Published: JUL 2012
Accession Number: WOS:000305638600017

Record 178 of 240

By: Markkula, M (Markkula, Mikael); Arevalo-Lopez, AM (Arevalo-Lopez, Angel M.); Attfield, JP (Attfield, J. Paul)

Title: Neutron diffraction study of monoclinic brannerite-type CoV₂O₆

Source: JOURNAL OF SOLID STATE CHEMISTRY

Volume: 192

Pages: 390-393

DOI: 10.1016/j.jssc.2012.04.029

Published: AUG 2012

Accession Number: WOS:000307028300058

Record 179 of 240

By: Howie, RT (Howie, Ross T.); Narygina, O (Narygina, Olga); Guillaume, CL (Guillaume, Christophe L.); Evans, S (Evans, Shaun); Gregoryanz, E (Gregoryanz, Eugene)

Title: High-pressure synthesis of lithium hydride

Source: PHYSICAL REVIEW B

Volume: 86

Issue: 6

Article Number: 064108

DOI: 10.1103/PhysRevB.86.064108

Published: AUG 16 2012

Accession Number: WOS:000307718400001

Record 180 of 240

By: Wilding, M (Wilding, Martin); Guthrie, M (Guthrie, Malcolm); Kohara, S (Kohara, Shinji); Bull, CL (Bull, Craig L.); Akola, J (Akola, Jaakko); Tucker, MG (Tucker, Matt G.)

Title: The structure of MgO-SiO₂ glasses at elevated pressure (vol 24, 225403, 2012)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER

Volume: 24

Issue: 33

Article Number: 339501

DOI: 10.1088/0953-8984/24/33/339501

Published: AUG 22 2012

Accession Number: WOS:000306997300026

Record 181 of 240

By: Husband, RJ (Husband, R. J.); Loa, I (Loa, I.); Stinton, GW (Stinton, G. W.); Evans, SR (Evans, S. R.); Ackland, GJ (Ackland, G. J.); McMahon, MI (McMahon, M. I.)

Title: Europium-IV: An Incommensurately Modulated Crystal Structure in the Lanthanides

Source: PHYSICAL REVIEW LETTERS

Volume: 109

Issue: 9

Article Number: 095503

DOI: 10.1103/PhysRevLett.109.095503

Published: AUG 27 2012

Accession Number: WOS:000308015500013

Record 182 of 240

By: Bos, JWG (Bos, J. -W. G.); Faucheux, F (Faucheux, F.); Downie, RA (Downie, R. A.); Marcinkova, A (Marcinkova, A.)

Title: Phase stability, structures and properties of the (Bi-2)(m) (Bi₂Te₃)(n) natural superlattices

Source: JOURNAL OF SOLID STATE CHEMISTRY

Volume: 193

Special Issue: SI

Pages: 13-18

DOI: 10.1016/j.jssc.2012.03.034

Published: SEP 2012

Accession Number: WOS:000308047800004

Record 183 of 240

By: Fang, J (Fang, J.); Bull, CL (Bull, C. L.); Loveday, JS (Loveday, J. S.); Nelmes, RJ (Nelmes, R. J.); Kamenev, KV (Kamenev, K. V.)

Title: Strength analysis and optimisation of double-toroidal anvils for high-pressure research

Source: REVIEW OF SCIENTIFIC INSTRUMENTS

Volume: 83

Issue: 9

Article Number: 093902

DOI: 10.1063/1.4746993

Published: SEP 2012

Accession Number: WOS:000309426700036

Record 184 of 240

By: Jacobsen, MK (Jacobsen, M. K.); Liu, W (Liu, W.); Li, B (Li, B.)

Title: Measurement setup for the simultaneous determination of diffusivity and Seebeck coefficient in a multi-anvil apparatus

Source: REVIEW OF SCIENTIFIC INSTRUMENTS

Volume: 83

Issue: 9

Article Number: 093903

DOI: 10.1063/1.4753918

Published: SEP 2012

Accession Number: WOS:000309426700037

Record 185 of 240

By: Hicks, CW (Hicks, Clifford W.); Gibbs, AS (Gibbs, Alexandra S.); Mackenzie, AP (Mackenzie, Andrew P.); Takatsu, H (Takatsu, Hiroshi); Maeno, Y (Maeno, Yoshiteru); Yelland, EA (Yelland, Edward A.)

Title: Quantum Oscillations and High Carrier Mobility in the Delafossite PdCoO₂

Source: PHYSICAL REVIEW LETTERS

Volume: 109

Issue: 11

Article Number: 116401

DOI: 10.1103/PhysRevLett.109.116401

Published: SEP 10 2012

Accession Number: WOS:000308527300010

Record 186 of 240

By: Markkula, M (Markkula, Mikael); Arevalo-Lopez, AM (Arevalo-Lopez, Angel M.); Attfield, JP (Attfield, J. Paul)

Title: Field-induced spin orders in monoclinic CoV₂O₆

Source: PHYSICAL REVIEW B

Volume: 86

Issue: 13

Article Number: 134401

DOI: 10.1103/PhysRevB.86.134401

Published: OCT 1 2012

Accession Number: WOS:000309345200003

Record 187 of 240

By: Salmon, PS (Salmon, Philip S.); Drewitt, JWE (Drewitt, James W. E.); Whittaker, DAJ (Whittaker, Dean A. J.); Zeidler, A (Zeidler, Anita); Wezka, K (Wezka, Kamil); Bull, CL (Bull, Craig L.); Tucker, MG (Tucker, Matthew G.); Wilding, MC (Wilding, Martin C.); Guthrie, M (Guthrie, Malcolm); Marrocchelli, D (Marrocchelli, Dario)

Title: Density-driven structural transformations in network forming glasses: a high-pressure neutron diffraction study of GeO₂ glass up to 17.5 GPa

Source: JOURNAL OF PHYSICS-CONDENSED MATTER

Volume: 24

Issue: 41

Article Number: 415102

DOI: 10.1088/0953-8984/24/41/415102

Published: OCT 17 2012

Accession Number: WOS:000309512200002

Record 188 of 240

By: Salmon, PS (Salmon, Philip S.); Drewitt, JWE (Drewitt, James W. E.); Whittaker, DAJ (Whittaker, Dean A. J.); Zeidler, A (Zeidler, Anita); Wezka, K (Wezka, Kamil); Bull, CL (Bull, Craig L.); Tucker, MG (Tucker, Matthew G.); Wilding, MC (Wilding, Martin C.); Guthrie, M (Guthrie, Malcolm); Marrocchelli, D (Marrocchelli, Dario)

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Source: JOURNAL OF PHYSICS-CONDENSED MATTER

Volume: 24

Issue: 43

Article Number: 439601

DOI: 10.1088/0953-8984/24/43/439601

Published: OCT 31 2012

Accession Number: WOS:000309965200028

Record 189 of 240

By: Parsons, S (Parsons, Simon); Pattison, P (Pattison, Phillip); Flack, HD (Flack, Howard D.)

Title: Analysing Friedel averages and differences

Source: ACTA CRYSTALLOGRAPHICA SECTION A

Volume: 68

Pages: 736-749

DOI: 10.1107/S0108767312034885

Part: 6

Published: NOV 2012

Accession Number: WOS:000310013600008

Record 190 of 240

By: Hearne, GR (Hearne, G. R.); Sibanda, WN (Sibanda, W. N.); Carleschi, E (Carleschi, E.); Pischedda, V (Pischedda, V.); Attfield, JP (Attfield, J. P.)

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Source: PHYSICAL REVIEW B

Volume: 86

Issue: 19

Article Number: 195134

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Volume: 109

Issue: 23

Article Number: 235501

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Record 192 of 240

By: Howie, RT (Howie, Ross T.); Scheler, T (Scheler, Thomas); Guillaume, CL (Guillaume, Christophe L.); Gregoryanz, E (Gregoryanz, Eugene)

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Source: PHYSICAL REVIEW B

Volume: 86

Issue: 21

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DOI: 10.1103/PhysRevB.86.214104

Published: DEC 10 2012

Accession Number: WOS:000312063700001

Record 193 of 240

By: Funnell, NP (Funnell, Nicholas P.); Dawson, A (Dawson, Alice); Marshall, WG (Marshall, William G.); Parsons, S (Parsons, Simon)

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Source: CRYSTENGCOMM

Volume: 15

Issue: 6

Pages: 1047-1060

DOI: 10.1039/c2ce26403j

Published: 2013

Accession Number: WOS:000313532100005

Record 194 of 240

By: Oro-Sole, J (Oro-Sole, Judith); Clark, L (Clark, Lucy); Bonin, W (Bonin, William); Attfield, JP (Attfield, J. Paul); Fuertes, A (Fuertes, Amparo)

Title: Anion-ordered chains in a d(1) perovskite oxynitride: NdVO₂N

Source: CHEMICAL COMMUNICATIONS

Volume: 49

Issue: 24

Pages: 2430-2432

DOI: 10.1039/c3cc38736d

Published: 2013

Accession Number: WOS:000315355900014

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Source: DALTON TRANSACTIONS

Volume: 42

Issue: 39

Pages: 14315-14323

DOI: 10.1039/c3dt51531a

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Accession Number: WOS:000324751100031

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By: Goncharov, AF (Goncharov, Alexander F.); Tse, JS (Tse, John S.); Wang, H (Wang, Hui); Yang, JJ (Yang, Jianjun); Struzhkin, VV (Struzhkin, Viktor V.); Howie, RT (Howie, Ross T.); Gregoryanz, E (Gregoryanz, Eugene)

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Source: PHYSICAL REVIEW B

Volume: 87

Issue: 2

Article Number: 024101

DOI: 10.1103/PhysRevB.87.024101

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Accession Number: WOS:000312998600003

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Title: Valence Change of A'-Site Mn by A-Site Doping in La_{1-x}NaxMn₃Ti₄O₁₂

Source: CHEMISTRY OF MATERIALS

Volume: 25

Issue: 2

Pages: 178-183

DOI: 10.1021/cm303182u

Published: JAN 22 2013

Accession Number: WOS:000314082100008

Record 198 of 240

By: Kozlenko, DP (Kozlenko, D. P.); Kichanov, SE (Kichanov, S. E.); Lukin, EV (Lukin, E. V.); Dang, NT (Dang, N. T.); Dubrovinsky, LS (Dubrovinsky, L. S.); Bykova, EA (Bykova, E. A.); Kamenev, KV (Kamenev, K. V.); Liermann, HP (Liermann, H. -P.); Morgenroth, W (Morgenroth, W.); Shapiro, AY (Shapiro, A. Ya.); Savenko, BN (Savenko, B. N.)

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Source: PHYSICAL REVIEW B

Volume: 87

Issue: 1

Article Number: 014112

DOI: 10.1103/PhysRevB.87.014112

Published: JAN 22 2013

Accession Number: WOS:000313939200005

Record 199 of 240

By: Okamoto, Y (Okamoto, Yoshihiko); Nilsen, GJ (Nilsen, Goran J.); Attfield, JP (Attfield, J. Paul); Hiroi, Z (Hiroi, Zenji)

Title: Breathing Pyrochlore Lattice Realized in A-Site Ordered Spinel Oxides LiGaCr₄O₈ and LiInCr₄O₈

Source: PHYSICAL REVIEW LETTERS

Volume: 110

Issue: 9

Article Number: 097203

DOI: 10.1103/PhysRevLett.110.097203

Published: FEB 26 2013

Accession Number: WOS:000315381500015

Record 200 of 240

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Title: Phase transitions in europium at high pressures

Source: HIGH PRESSURE RESEARCH

Volume: 33

Issue: 1

Pages: 158-164

DOI: 10.1080/08957959.2013.775280

Published: MAR 1 2013

Accession Number: WOS:000317952600021

Record 201 of 240

By: Klotz, S (Klotz, S.); Philippe, J (Philippe, J.); Bull, CL (Bull, C. L.); Loveday, JS (Loveday, J. S.); Nelmes, RJ (Nelmes, R. J.)

Title: A 3 kbar hydrogen-compatible gas loader for Paris-Edinburgh presses

Source: HIGH PRESSURE RESEARCH

Volume: 33

Issue: 1

Pages: 214-220

DOI: 10.1080/08957959.2013.773323

Published: MAR 1 2013

Accession Number: WOS:000317952600031

Record 202 of 240

By: Galloway, GJ (Galloway, G. J.); Ackland, GJ (Ackland, G. J.)

Title: Molecular dynamics and object kinetic Monte Carlo study of radiation-induced motion of voids and He bubbles in bcc iron

Source: PHYSICAL REVIEW B

Volume: 87

Issue: 10

Article Number: 104106

DOI: 10.1103/PhysRevB.87.104106

Published: MAR 12 2013

Accession Number: WOS:000316100200001

Record 203 of 240

By: Carlsson, S (Carlsson, Sandra); Zorina, L (Zorina, Leokadiya); Allan, DR (Allan, David R.); Attfield, JP (Attfield, J. Paul); Canadell, E (Canadell, Enric); Batail, P (Batail, Patrick)

Title: Robust Dirac-Cone Band Structure in the Molecular Kagome Compound (EDT-TTF-CONH₂)(6) [Re₆Se₈(CN)₆]

Source: INORGANIC CHEMISTRY

Volume: 52

Issue: 6

Pages: 3326-3333

DOI: 10.1021/ic302790m

Published: MAR 18 2013

Accession Number: WOS:000316439400062

Record 204 of 240

By: Schulze, DJ (Schulze, Daniel J.); Harte, B (Harte, Ben); Page, FZ (Page, F. Zeb); Valley, JW (Valley, John W.); Channer, DMD (Channer, Dominic M. DeR.); Jaques, AL (Jaques, A. Lynton)

Group Author(s): Edinburgh Ion Microprobe Facility

Title: Anticorrelation between low delta C-13 of eclogitic diamonds and high delta O-18 of their coesite and garnet inclusions requires a subduction origin

Source: GEOLOGY

Volume: 41

Issue: 4

Pages: 455-458

DOI: 10.1130/G33839.1

Published: APR 2013

Accession Number: WOS:000317910000018

Record 205 of 240

By: Senn, MS (Senn, Mark S.); Kimber, SAJ (Kimber, Simon A. J.); Lopez, AMA (Lopez, Angel M. Arevalo); Hill, AH (Hill, Adrian H.); Attfield, JP (Attfield, J. Paul)

Title: Spin orders and lattice distortions of geometrically frustrated 6H-perovskites Ba₃B ' Ru₂O₉ (B ' = La³⁺, Nd³⁺, and Y³⁺)

Source: PHYSICAL REVIEW B

Volume: 87

Issue: 13

Article Number: 134402

DOI: 10.1103/PhysRevB.87.134402

Published: APR 2 2013

Accession Number: WOS:000316947600002

Record 206 of 240

By: Donnerer, C (Donnerer, Christian); Scheler, T (Scheler, Thomas); Gregoryanz, E (Gregoryanz, Eugene)

Title: High-pressure synthesis of noble metal hydrides

Source: JOURNAL OF CHEMICAL PHYSICS

Volume: 138

Issue: 13

Article Number: 134507

DOI: 10.1063/1.4798640

Published: APR 7 2013

Accession Number: WOS:000317788500043

Record 207 of 240

By: Kusmartseva, AF (Kusmartseva, Anna F.); Sinclair, A (Sinclair, Alexandra); Rodgers, JA (Rodgers, Jennifer A.); Kimber, SAJ (Kimber, Simon A. J.); Attfield, JP (Attfield, J. Paul)

Title: Possible high-pressure orbital quantum criticality and an emergent resistive phase in PbRuO₃

Source: PHYSICAL REVIEW B

Volume: 87

Issue: 16

Article Number: 165130

DOI: 10.1103/PhysRevB.87.165130

Published: APR 23 2013

Accession Number: WOS:000317911000003

Record 208 of 240

By: Hunter, S (Hunter, Steven); Sutinen, T (Sutinen, Tuuli); Parker, SF (Parker, Stewart F.); Morrison, CA (Morrison, Carole A.); Williamson, DM (Williamson, David M.); Thompson, S (Thompson, Stephen); Gould, PJ (Gould, Peter J.); Pulham, CR (Pulham, Colin R.)

Title: Experimental and DFT-D Studies of the Molecular Organic Energetic Material RDX

Source: JOURNAL OF PHYSICAL CHEMISTRY C

Volume: 117

Issue: 16

Pages: 8062-8071

DOI: 10.1021/jp4004664

Published: APR 25 2013

Accession Number: WOS:000318211200014

Record 209 of 240

By: Senn, MS (Senn, Mark S.); Wright, JP (Wright, Jon P.); Attfield, JP (Attfield, J. Paul)

Title: The verwey phase of magnetite - a long-running mystery in magnetism

Source: JOURNAL OF THE KOREAN PHYSICAL SOCIETY

Volume: 62

Issue: 10

Pages: 1372-1375

DOI: 10.3938/jkps.62.1372
Published: MAY 2013
Accession Number: WOS:000320122700003

Record 210 of 240

By: Goncharov, AF (Goncharov, Alexander F.); Howie, RT (Howie, Ross T.); Gregoryanz, E (Gregoryanz, Eugene)
Title: Hydrogen at extreme pressures (Review Article)
Source: LOW TEMPERATURE PHYSICS
Volume: 39
Issue: 5
Pages: 402-408
DOI: 10.1063/1.4807051
Published: MAY 2013
Accession Number: WOS:000320128500002

Record 211 of 240

By: Clark, L (Clark, L.); Orain, JC (Orain, J. C.); Bert, F (Bert, F.); De Vries, MA (De Vries, M. A.); Aidoudi, FH (Aidoudi, F. H.); Morris, RE (Morris, R. E.); Lightfoot, P (Lightfoot, P.); Lord, JS (Lord, J. S.); Telling, MTF (Telling, M. T. F.); Bonville, P (Bonville, P.); Attfield, JP (Attfield, J. P.); Mendels, P (Mendels, P.); Harrison, A (Harrison, A.)
Title: Gapless Spin Liquid Ground State in the S=1/2 Vanadium Oxyfluoride Kagome Antiferromagnet [NH₄]₂[C₇H₁₄N][V₇O₆F₁₈]
Source: PHYSICAL REVIEW LETTERS
Volume: 110
Issue: 20
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DOI: 10.1103/PhysRevLett.110.207208
Published: MAY 16 2013
Accession Number: WOS:000319198000010

Record 212 of 240

By: Magdau, IB (Magdau, Ioan B.); Ackland, GJ (Ackland, Graeme J.)
Title: Identification of high-pressure phases III and IV in hydrogen: Simulating Raman spectra using molecular dynamics
Source: PHYSICAL REVIEW B
Volume: 87
Issue: 17
Article Number: 174110
DOI: 10.1103/PhysRevB.87.174110
Published: MAY 23 2013
Accession Number: WOS:000319349500001

Record 213 of 240

By: Scheler, T (Scheler, Thomas); Peng, F (Peng, Feng); Guillaume, CL (Guillaume, Christophe L.); Howie, RT (Howie, Ross T.); Ma, YM (Ma, Yanming); Gregoryanz, E (Gregoryanz, Eugene)
Title: Nanocrystalline tungsten hydrides at high pressures
Source: PHYSICAL REVIEW B
Volume: 87
Issue: 18
Article Number: 184117
DOI: 10.1103/PhysRevB.87.184117
Published: MAY 30 2013
Accession Number: WOS:000319729500001

Record 214 of 240

By: Le Bihan, T (Le Bihan, Thierry); Rayner, J (Rayner, Joe); Roy, MM (Roy, Marcia M.); Spagnolo, L (Spagnolo, Laura)
Title: Photobacterium profundum under Pressure: A MS-Based Label-Free Quantitative Proteomics Study
Source: PLOS ONE
Volume: 8
Issue: 5
Article Number: UNSP e60897
DOI: 10.1371/journal.pone.0060897
Published: MAY 31 2013
Accession Number: WOS:000319799900003

Record 215 of 240

By: Parsons, S (Parsons, Simon); Flack, HD (Flack, Howard D.); Wagner, T (Wagner, Trixie)
Title: Use of intensity quotients and differences in absolute structure refinement
Source: ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE
Volume: 69
Pages: 249-259
DOI: 10.1107/S2052519213010014
Part: 3
Published: JUN 2013
Accession Number: WOS:000319217700003

Record 216 of 240

By: Drewitt, JWE (Drewitt, James W. E.); Sanloup, C (Sanloup, Chrystele); Bytchkov, A (Bytchkov, Aleksei); Brassamin, S (Brassamin, Severine); Hennem, L (Hennem, Louis)
Title: Structure of (FexCa_{1-x}O)(y)(SiO₂)(1-y) liquids and glasses from high-energy x-ray diffraction: Implications for the structure of natural basaltic magmas
Source: PHYSICAL REVIEW B
Volume: 87
Issue: 22
Article Number: UNSP 224201
DOI: 10.1103/PhysRevB.87.224201
Published: JUN 3 2013
Accession Number: WOS:000319908000002

Record 217 of 240

By: Arevalo-Lopez, AM (Arevalo-Lopez, Angel M.); Sher, F (Sher, Falak); Farnham, J (Farnham, James); Watson, AJ (Watson, Adam J.); Attfield, JP (Attfield, J. Paul)
Title: Cation, Vacancy, and Spin Ordered 15R-Superstructures in Sr(Cr_{1-x}Fex)O_{3-y} (0.4 ≤ x ≤ 0.6) Perovskites
Source: CHEMISTRY OF MATERIALS
Volume: 25
Issue: 11
Pages: 2346-2351
DOI: 10.1021/cm401062u
Published: JUN 11 2013
Accession Number: WOS:000320485700017

Record 218 of 240

By: Azad, AK (Azad, Abul K.); Sanchez-Benitez, J (Sanchez-Benitez, Javier); Irvine, JTS (Irvine, John T. S.)
Title: Spin-glass transition in La_{0.75}Sr_{0.25}Mn_{0.5}Cr_{0.5-x}Al_xO_{3-δ} perovskites
Source: MATERIALS RESEARCH BULLETIN
Volume: 48
Issue: 7
Pages: 2482-2490
DOI: 10.1016/j.materresbull.2013.03.005

Published: JUL 2013

Accession Number: WOS:000320073600011

Record 219 of 240

By: Clark, L (Clark, L.); Ritter, C (Ritter, C.); Harrison, A (Harrison, A.); Attfield, JP (Attfield, J. P.)

Title: Oxygen miscibility gap and spin glass formation in the pyrochlore Lu₂Mo₂O₇

Source: JOURNAL OF SOLID STATE CHEMISTRY

Volume: 203

Pages: 199-203

DOI: 10.1016/j.jssc.2013.04.012

Published: JUL 2013

Accession Number: WOS:000325190300031

Record 220 of 240

By: Huang, WY (Huang, Wan-Yu); Yoshimura, F (Yoshimura, Fumitaka); Ueda, K (Ueda, Kyota); Shimomura, Y (Shimomura, Yasuo); Sheu, HS (Sheu, Hwo-Shuenn); Chan, TS (Chan, Ting-Shan); Greer, HF (Greer, Heather F.); Zhou, WZ (Zhou, Wuzong); Hu, SF (Hu, Shu-Fen); Liu, RS (Liu, Ru-Shi); Attfield, JP (Attfield, J. Paul)

Title: Nanosegregation and Neighbor-Cation Control of Photoluminescence in Carbidonitridosilicate Phosphors

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

Volume: 52

Issue: 31

Pages: 8102-8106

DOI: 10.1002/anie.201302494

Published: JUL 29 2013

Accession Number: WOS:000322126900046

Record 221 of 240

By: Oka, K (Oka, Kengo); Mizumaki, M (Mizumaki, Masaichiro); Sakaguchi, C (Sakaguchi, Chika); Sinclair, A (Sinclair, Alexandra); Ritter, C (Ritter, Clemens); Attfield, JP (Attfield, J. Paul); Azuma, M (Azuma, Masaki)

Title: Intermetallic charge-transfer transition in Bi_{1-x}LaxNiO₃ as the origin of the colossal negative thermal expansion

Source: PHYSICAL REVIEW B

Volume: 88

Issue: 1

Article Number: 014112

DOI: 10.1103/PhysRevB.88.014112

Published: JUL 29 2013

Accession Number: WOS:000322573900001

Record 222 of 240

By: Lundegaard, LF (Lundegaard, L. F.); Stinton, GW (Stinton, G. W.); Zelazny, M (Zelazny, M.); Guillaume, CL (Guillaume, C. L.); Proctor, JE (Proctor, J. E.); Loa, I (Loa, I.); Gregoryanz, E (Gregoryanz, E.); Nelmel, RJ (Nelmel, R. J.); McMahon, MI (McMahon, M. I.)

Title: Observation of a reentrant phase transition in incommensurate potassium

Source: PHYSICAL REVIEW B

Volume: 88

Issue: 5

Article Number: 054106

DOI: 10.1103/PhysRevB.88.054106

Published: AUG 14 2013

Accession Number: WOS:000323153800001

Record 223 of 240

By: Bryk, T (Bryk, Taras); De Panfilis, S (De Panfilis, Simone); Gorelli, FA (Gorelli, Federico A.); Gregoryanz, E (Gregoryanz, Eugene); Krisch, M (Krisch, Michael); Ruocco, G (Ruocco, Giancarlo); Santoro, M (Santoro, Mario); Scopigno, T (Scopigno, Tullio); Seitsonen, AP (Seitsonen, Ari P.)

Title: Dynamical Crossover at the Liquid-Liquid Transformation of a Compressed Molten Alkali Metal

Source: PHYSICAL REVIEW LETTERS

Volume: 111

Issue: 7

Article Number: 077801

DOI: 10.1103/PhysRevLett.111.077801

Published: AUG 16 2013

Accession Number: WOS:000323333800008

Record 224 of 240

By: McMahon, MI (McMahon, M. I.); Loa, I (Loa, I.); Stinton, GW (Stinton, G. W.); Lundegaard, LF (Lundegaard, L. F.)

Title: Determining complex crystal structures from high pressure single-crystal diffraction data collected on synchrotron sources

Source: HIGH PRESSURE RESEARCH

Volume: 33

Issue: 3

Special Issue: SI

Pages: 485-500

DOI: 10.1080/08957959.2013.831087

Published: AUG 20 2013

Accession Number: WOS:000327006700004

Record 225 of 240

By: Howie, RT (Howie, Ross T.); Gregoryanz, E (Gregoryanz, Eugene); Goncharov, AF (Goncharov, Alexander F.)

Title: Hydrogen (deuterium) vibron frequency as a pressure comparison gauge at multi-Mbar pressures

Source: JOURNAL OF APPLIED PHYSICS

Volume: 114

Issue: 7

Article Number: 073505

DOI: 10.1063/1.4818606

Published: AUG 21 2013

Accession Number: WOS:000323510900014

Record 226 of 240

By: Holland, TJ (Holland, Tim J. B.); Hudson, NF (Hudson, Neil F. C.); Powell, R (Powell, Roger); Harte, B (Harte, Ben)

Title: New Thermodynamic Models and Calculated Phase Equilibria in NCFMAS for Basic and Ultrabasic Compositions through the Transition Zone into the Uppermost Lower Mantle

Source: JOURNAL OF PETROLOGY

Volume: 54

Issue: 9

Pages: 1901-1920

DOI: 10.1093/petrology/egt035

Published: SEP 2013

Accession Number: WOS:000323619600007

Record 227 of 240

By: Ritter, C (Ritter, C.); Yusuf, SM (Yusuf, S. M.); Bera, AK (Bera, A. K.); Goto, Y (Goto, Y.); Tassel, C (Tassel, C.); Kageyama, H (Kageyama, H.); Arevalo-Lopez, AM (Arevalo-Lopez, A. M.); Attfield, JP (Attfield, J. P.)

Title: Field-induced evolution of magnetic ordering in the quantum spin system (CuBr)Sr₂Nb₃O₁₀ with a 1/3

magnetization plateau
Source: PHYSICAL REVIEW B
Volume: 88
Issue: 10
Article Number: 104401
DOI: 10.1103/PhysRevB.88.104401
Published: SEP 3 2013
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