Boby Joseph

List of Publications by Year
in descending order

174 papers	2,796 citations	201575 27 h-index	254106 43 g-index
176 all docs	176 docs citations	176 times ranked	3506 citing authors

#	Article	IF	Citations
1	Organogel-assisted porous organic polymer embedding Cu NPs for selectivity control in the semi hydrogenation of alkynes. Nanoscale, 2022, 14, 1505-1519.	2.8	14
2	Pressure-Induced Structural Behavior of Orthorhombic Mn₃(VO₄)₂: Raman Spectroscopic and X-ray Diffraction Investigations. ACS Omega, 2022, 7, 3099-3108.	1.6	8
3	Pressure-enhanced superconductivity in cage-type quasiskutterudite Sc₅Rh₆Sn₁₈ single crystal. Journal of Physics Condensed Matter, 2022, 34, 245601.	0.7	2
4	Pressure response of decylammonium-containing 2D iodide perovskites. IScience, 2022, 25, 104057.	1.9	4
5	High-pressure and high-temperature structure and equation of state of Na₃Ca₂La(CO<sub>3</sub burbankite. European Journal of Mineralogy, 2022, 34, 351-358.	1.4	0
6	A combined synchrotron diffraction and first-principles investigation on structural properties of Co(OH)2under pressure up to 7 GPa. Europhysics Letters, 2021, 133, 16002.	0.7	1
7	Highâ€Pressure Structural Investigation of Anomalous Hall Effect Compound Mn 3 Sn up to 9â€‰GPa. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000605.	1.2	2
8	Metavalent Bonding in GeSe Leads to High Thermoelectric Performance. Angewandte Chemie, 2021, 133, 10438-10446.	1.6	12
9	Evaluation of the Defect Cluster Content in Singly and Doubly Doped Ceria through In Situ High-Pressure X-ray Diffraction. Inorganic Chemistry, 2021, 60, 7306-7314.	1.9	7
10	Large scale synthesis of copper nickel alloy nanoparticles with reduced compressibility using arc thermal plasma process. Scientific Reports, 2021, 11, 7629.	1.6	15
11	Pressure-dependent modifications in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaAu</mml:mi><mml:msub><mml:mi>Sb</mml:mi><mml:mi><m charge density wave system. Physical Review B, 2021, 103, .	1.1	6
12	Pressure effects on vibrational properties and structure of nanocrystalline Cu2ZnSnS4. Journal of Alloys and Compounds, 2021, 867, 159041.	2.8	3
13	High-Pressure Synthesis and Gas-Sensing Tests of 1-D Polymer/Aluminophosphate Nanocomposites. ACS Applied Materials & Interfaces, 2021, 13, 27237-27244.	4.0	5
14	Brucite (Mg(OH)2) under small perturbation: A combined first principles and synchrotron X-ray diffraction study. Journal of Physics and Chemistry of Solids, 2021, 154, 110078.	1.9	6
15	Measurement of Spin Dynamics in a Layered Nickelate Using X-Ray Photon Correlation Spectroscopy: Evidence for Intrinsic Destabilization of Incommensurate Stripes at Low Temperatures. Physical Review Letters, 2021, 127, 057001.	2.9	6
16	Pressure-Induced Loss of Long-Range Structural Order in MFM-300(Al): An X-ray Diffraction and Raman Spectroscopic Study. Journal of Physical Chemistry C, 2021, 125, 15472-15478.	1.5	1
17	Pressure Induced Hydrogen Orderâ€“Disorder Transition in Î²-Ni(OH)₂. Journal of Physical Chemistry C, 2021, 125, 2785-2792.	1.5	7
18	Pressure-induced structural phase transition and suppression of Jahn-Teller distortion in the quadruple perovskite structure. Physical Review Materials, 2021, 5, .	0.9	2

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19	Pressure Dependence of Superconducting Properties, Pinning Mechanism, and Crystal Structure of the Fe_{0.99}Mn_{0.01}Se_{0.5}Te_{0.5}Superconductor. ACS Omega, 2021, 6, 30419-30431.	1.6	2
20	Robust evidence for the stabilization of the premartensite phase in Ni-Mn-In magnetic shape memory alloys by chemical pressure. Physical Review Materials, 2021, 5, .	0.9	3
21	Structural Metastability and Fermi Surface Topology of SrAl₂Si₂. Inorganic Chemistry, 2021, 60, 18652-18661.	1.9	2
22	Local structure of A-atom in ABO3 perovskites studies by RMC-EXAFS. Radiation Physics and Chemistry, 2020, 175, 108072.	1.4	6
23	Covalent Organic Framework (COFâ€1) under High Pressure. Angewandte Chemie - International Edition, 2020, 59, 1087-1092.	7.2	34
24	Single-crystal diffraction at the high-pressure Indo-Italian beamline Xpress at Elettra, Trieste. Journal of Synchrotron Radiation, 2020, 27, 222-229.	1.0	31
25	Temperature Dependent Structural Evolution of WSe2: A Synchrotron X-ray Diffraction Study. Condensed Matter, 2020, 5, 76.	0.8	16
26	Mesoporous Metalâ€“Organic Framework MIL-101 at High Pressure. Journal of the American Chemical Society, 2020, 142, 15012-15019.	6.6	37
27	Crystal structure of monoclinic hafnia (HfO₂) revisited with synchrotron X-ray, neutron diffraction and first-principles calculations. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 1034-1042.	0.2	7
28	In Situ High Pressure Structural Investigation of Sm-Doped Ceria. Energies, 2020, 13, 1558.	1.6	5
29	Pressure dependence of room-temperature structural properties of CaAl2Si2. Journal of Physics Condensed Matter, 2020, 32, 365403.	0.7	3
30	High-pressure x-ray absorption and diffraction study of the self-doped superconductor EuFBiS2. Physical Review B, 2020, 101, .	1.1	0
31	Pressure-induced antiferromagnetic dome in the heavy-fermion <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Yb</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math> system. Physical Review B, 2020, 101, .	1.1	5
32	Intermittent dynamics of antiferromagnetic phase in inhomogeneous iron-based chalcogenide superconductor. Physical Review B, 2020, 101, .	1.1	5
33	Leveraging Cu/CuFe₂O₄-Catalyzed Biomass-Derived Furfural Hydrodeoxygenation: A Nanoscale Metalâ€“Organic-Framework Template Is the Prime Key. ACS Applied Materials & Interfaces, 2020, 12, 21682-21700.	4.0	75
34	Effect of H2O on the Pressure-Induced Amorphization of Hydrated AlPO4-17. Molecules, 2019, 24, 2864.	1.7	6
35	Direct Visualization of Spatial Inhomogeneity of Spin Stripes Order in La1.72Sr0.28NiO4. Condensed Matter, 2019, 4, 77.	0.8	10
36	Porous Organic Polymer-Driven Evolution of High-Performance Cobalt Phosphide Hybrid Nanosheets as Vanillin Hydrodeoxygenation Catalyst. ACS Applied Materials & Interfaces, 2019, 11, 24140-24153.	4.0	57

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37	The local structure and magnetic correlations in La(Fe1-Mn)AsO system. Journal of Physics and Chemistry of Solids, 2019, 134, 319-323.	1.9	4
38	Phonon signatures of multiple topological quantum phase transitions in compressed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>TlBi</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> : A combined experimental and theoretical study. Physical Review B, 2019, 99, .	1.1	10
39	Structural and magnetic properties of the Yb₂Pd₂(In<sub>1â^'x) Tj ETQq1 1 0.784314 rgBT /Overlock investigation. Journal of Physics Condensed Matter, 2019, 31, 385802.	0.7	2
40	Combined micro X-ray absorption and fluorescence spectroscopy to map phases of complex systems: the case of sphalerite. Scientific Reports, 2019, 9, 18857.	1.6	7
41	Crystallographic properties of the Ce1â^'Lu O2â^'/2 system at pressures up to 7â€¯GPa. Solid State Ionics, 2018, 320, 152-158.	1.3	10
42	Structural, vibrational, and electrical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> under hydrostatic pressure: Experiments and theory. Physical Review B, 2018, 97, .	1.1	63
43	Pressure-induced superconductivity in semimetallic 1Tâ^'TiTe2 and its persistence upon decompression. Physical Review B, 2018, 97, .	1.1	31
44	Local Noncentrosymmetric Structure of Bi2Sr2CaCu2O8+y by X-ray Magnetic Circular Dichroism at Cu K-Edge XANES. Journal of Superconductivity and Novel Magnetism, 2018, 31, 663-670.	0.8	8
45	Pressure induced band inversion, electronic and structural phase transitions in InTe: A combined experimental and theoretical study. Physical Review B, 2018, 97, .	1.1	31
46	Cuâ€“Pd bimetallic nanoalloy anchored on a N-rich porous organic polymer for high-performance hydrodeoxygenation of biomass-derived vanillin. Catalysis Science and Technology, 2018, 8, 2195-2210.	2.1	64
47	Nanocluster superstructures or nanoparticles? The self-consuming scaffold decides. Nanoscale, 2018, 10, 7472-7483.	2.8	17
48	Combustion Synthesis of Graphene from Waste Paper for High Performance Supercapacitor Electrodes. International Journal of Nanoscience, 2018, 17, 1760023.	0.4	18
49	A high pressure La K-edge X-ray absorption fine structure spectroscopy investigation of La_{1/3}NbO₃. High Pressure Research, 2018, 38, 12-22.	0.4	2
50	Synthesis and Characterization of a Monoclinic Crystalline Phase of Hydroxyapatite by Synchrotron X-ray Powder Diffraction and Piezoresponse Force Microscopy. Crystals, 2018, 8, 458.	1.0	12
51	Coexistence of pressure-induced structural phases in bulk black phosphorus: a combined x-ray diffraction and Raman study up to 18 GPa. Journal of Physics Condensed Matter, 2018, 30, 494002.	0.7	2
52	Local Structure Around Nb Site of a Potential Thermoelectric Material La1/3NbO3 from Temperature-Dependent Extended x-ray Absorption Fine Structure Spectroscopy. Journal of Materials Engineering and Performance, 2018, 27, 6322-6327.	1.2	1
53	Emergent Dirac carriers across a pressure-induced Lifshitz transition in black phosphorus. Physical Review B, 2018, 98, .	1.1	14
54	Determination of the local structure of Sr_{2â^'x}M_xIrO₄ (M = K, La) as a function of doping and temperature. Physical Chemistry Chemical Physics, 2018, 20, 23783-23788.	1.3	6

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55	Zeolitic Imidazolate Framework-Mediated Synthesis of Co₃O₄ Nanoparticles Encapsulated in N-Doped Graphitic Carbon as an Efficient Catalyst for Selective Oxidation of Hydrocarbons. ACS Applied Nano Materials, 2018, 1, 4836-4851.	2.4	27
56	Structural properties of Î² -metal(II) hydroxides: Combined XAS and Raman spectroscopic studies on lattice stability. Europhysics Letters, 2018, 122, 66002.	0.7	7
57	Pressure-induced disruption of the local environment of Fe-Fe dimers in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>FeGa</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> by metallization. Physical Review B, 2018, 98, .	1.1	3
58	Local structure of cobalt nanoparticles synthesized by high heat flux plasma process. Radiation Physics and Chemistry, 2017, 137, 108-115.	1.4	5
59	Synthetically Tuned Atomic Ordering in PdCu Nanoparticles with Enhanced Catalytic Activity toward Solvent-Free Benzylamine Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 3602-3615.	4.0	67
60	Local structure investigation of Î²-Ni(OH)₂ under pressure using combined Raman and Ni K-edge extended x-ray absorption fine structure studies. High Pressure Research, 2017, 37, 1-10.	0.4	11
61	Evolution of Eu valence and superconductivity in layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Eu</mml:mi><mml:mrow></mml:mrow></mml:msub><mml:mn>0.5</mml:mn></mml:math> system. Physical Review B, 2017, 95, .	1.1	17
62	High pressure structural and superconducting properties of Ca1-xEuxFeAs2. AIP Conference Proceedings, 2017, , .	0.3	0
63	Experimental evidence of an electronic transition in CeP under pressure using Ce L₃ XAS. Physical Chemistry Chemical Physics, 2017, 19, 17526-17530.	1.3	16
64	Role of the local structure in superconductivity of LaO_{0.5}F_{0.5}BiS₂â^'x </sub>Se_x system. Journal of Physics Condensed Matter, 2017, 29, 145603.	0.7	24
65	Synthetically tuned structural variations in CePdxGe2â^'x(x = 0.21, 0.32, 0.69) towards diverse physical properties. Inorganic Chemistry Frontiers, 2017, 4, 241-255.	3.0	3
66	Local inversion symmetry breaking and spin-phonon coupling in the perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>GdCrO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2017, 96, .	1.1	43
67	Unraveling the Peculiarities in the Temperature-Dependent Structural Evolution of Black Phosphorus. Condensed Matter, 2017, 2, 11.	0.8	6
68	Low-temperature anomalies of EXAFS at theK-edge of As in superconducting LaFe_{0.89}Co_{0.11}AsO. Journal of Physics: Conference Series, 2017, 941, 012058.	0.3	4
69	The Indoâ€“Italian cooperation at the Elettra synchrotron radiation facility. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1067-C1067.	0.0	0
70	The high-pressure diffraction beamline XPRESS at Elettra. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1108-C1108.	0.0	0
71	The high-pressure diffraction beamline XPRESS at Elettra. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1141-C1141.	0.0	0
72	Feâ€“As Bond Fluctuations in a Double-Well Potential in LaFeAsO. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3035-3039.	0.8	10

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73	Pressure induced structural, electronic topological, and semiconductor to metal transition in AgBiSe2. Applied Physics Letters, 2016, 109, .	1.5	25
74	Mesoscopic Stripes in Antiferromagnetic Fe Chalcogenide Probed by Scanning Photoelectron Spectromicroscopy. Journal of the Physical Society of Japan, 2016, 85, 033702.	0.7	4
75	Defective iron-oxide nanoparticles synthesised by high temperature plasma processing: a magnetic characterisation versus temperature. Nanotechnology, 2016, 27, 445701.	1.3	7
76	Temperature-Dependent As K-Edge EXAFS Studies of LaFe 1â^'x Co x AsO (x = 0.0 and 0.11) Single Crystals. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3041-3047.	0.8	4
77	CH₃NH₃PbI₃, A Potential Solar Cell Candidate: Structural and Spectroscopic Investigations. Journal of Physical Chemistry A, 2016, 120, 9732-9739.	1.1	29
78	Pressure dependence of the local structure of iridium ditelluride across the structural phase transition. Physical Review B, 2016, 93, .	1.1	9
79	Magnetic and X-ray absorption studies on the RE5X2Sb6 (RE= Eu, Yb; X= Al, Ga, In) compounds. Journal of Alloys and Compounds, 2016, 658, 395-401.	2.8	10
80	A study of temperature dependent local atomic displacements in a Ba(Fe_{1â^'x}Co_x)₂As₂superconductor. Physical Chemistry Chemical Physics, 2016, 18, 9029-9035.	1.3	11
81	Nb K-edge x-ray absorption investigation of the pressure induced amorphization in A-site deficient double perovskite La_{1/3}NbO₃. Journal of Physics Condensed Matter, 2016, 28, 045401.	0.7	5
82	Terahertz studies of superconducting gaps in Co-doped BaFe2As2 pnictide superconductors. Novel Superconducting Materials, 2015, 1, .	0.8	1
83	Anderson's impurity-model analysis on CeO_{1-x}F_xBiS₂. Journal of Physics: Conference Series, 2015, 592, 012073.	0.3	3
84	Temperature dependent structural modulation in Ca_{0.82}La_{0.18}FeAs₂pnictide superconductors. Superconductor Science and Technology, 2015, 28, 092001.	1.8	5
85	Direct observation of nanoscale interface phase in the superconducting chalcogenide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> intrinsic phase separation. Physical Review B, 2015, 91, .	1.1	59
86	Mixed valence and metamagnetism in a metal flux grown compound Eu2Pt3Si5. Journal of Solid State Chemistry, 2015, 225, 181-186.	1.4	13
87	Effect of chemical pressure on the local structure of La_{1â^'x}Sm_xFeAsO system. Superconductor Science and Technology, 2015, 28, 025007.	1.8	4
88	Comparison of the local structures of Ca 0.82 La 0.18 FeAs 2 and Ba 0.64 K 0.36 Fe 2 As 2 pnictide superconductors using atomic pair distribution function analysis. Journal of Physics and Chemistry of Solids, 2015, 84, 24-27.	1.9	5
89	The nanoscale structure and unoccupied valence electronic states in FeSe1â^'xTex chalcogenides probed by X-ray absorption measurements. Physical Chemistry Chemical Physics, 2015, 17, 18131-18137.	1.3	3
90	Two-band conductivity of a FeSe$_{0.5}$Te$_{0.5}$ film by reflectance measurements in the terahertz and infrared range. Superconductor Science and Technology, 2014, 27, 125011.	1.8	4

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91	Local structure response of phase separation and iron-vacancy order inKxFe2â^'ySe2superconductor. Physical Review B, 2014, 90, .	1.1	8
92	Probing the electronic and local structural changes across the pressure-induced insulator-to-metal transition in VO ₂. Europhysics Letters, 2014, 108, 36003.	0.7	14
93	Determination of temperature-dependent atomic displacements in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>1.10</mml:mn></mml:msub></mml:mrow></mml:math>Fe2As2 Physical Review B, 2014, 90, .	1.1	7
94	Electronic structure ofLaO1â^'xFxBiSe2(x=0.18)revealed by photoelectron spectromicroscopy. Physical Review B, 2014, 90, .	1.1	15
95	Determination of local atomic displacements in CeO1â^'xFxBiS2system. Journal of Physics Condensed Matter, 2014, 26, 435701.	0.7	42
96	Study of the electronic and magnetic properties as a function of isoelectronic substitution in SmFe_{1â^'x}Ru_xAsO_{0.85}F_{0.15}. Journal of Physics Condensed Matter, 2014, 26, 065701.	0.7	3
97	Temperature dependent nanoscale atomic correlations in Ir_{1â^'x}Pt_xTe₂ (x = 0.0, 0.03 and 0.04) system. Journal of Physics Condensed Matter, 2014, 26, 375702.	0.7	1
98	Temperature Dependence of $sqrt{2} imes sqrt{2}$ Phase in Superconducting K0.8Fe1.6Se2 Single Crystal. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1003-1007.	0.8	5
99	Feâ€"As Bond-Dynamics Revealed from the Arsenic K-Edge EXAFS Studies of NdFeAsO1â^'x F x Iron-Pnictide Superconductors. Journal of Superconductivity and Novel Magnetism, 2014, 27, 977-979.	0.8	2
100	Local disorder investigation in NiS₂â^'xSe_xusing Raman and Ni K-edge x-ray absorption spectroscopies. Journal of Physics Condensed Matter, 2014, 26, 452201.	0.7	15
101	Effect of pressure-driven local structural rearrangement on the superconducting properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">FeSe</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>. Physical Review B, 2014, 90, .	1.1	7
102	X-ray absorption spectroscopy characterization of iron-oxide nanoparticles synthesized by high temperature plasma processing. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 125-129.	0.8	22
103	Role of the Ce valence in the coexistence of superconductivity and ferromagnetism ofCeO1â^'xFxBiS2revealed by CeL3-edge x-ray absorption spectroscopy. Physical Review B, 2014, 89, .	1.1	67
104	Spectromicroscopy of electronic phase separation in KxFe2â^'ySe2 superconductor. Scientific Reports, 2014, 4, 5592.	1.6	35
105	Transmittance and reflectance measurements at terahertz frequencies on a superconducting BaFe1.84Co0.16As2 ultrathin film: an analysis of the optical gaps in the Co-doped BaFe2As2 pnictide. European Physical Journal B, 2013, 86, 1.	0.6	8
106	Distinct local structure of nanoparticles and nanowires of V2O5 probed by x-ray absorption spectroscopy. Applied Physics Letters, 2013, 103, .	1.5	9
107	Temperature dependent local structure of LiCoO2 nanoparticles determined by Co K-edge X-ray absorption fine structure. Journal of Power Sources, 2013, 229, 272-276.	4.0	26
108	Combined experimental and computational study of the pressure dependence of the vibrational spectrum of solid picene C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>22</mml:mn></mml:msub></mml:math>H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>14</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	1.1	25

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109	Local structural displacements across the structural phase transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>IrTe</mml:mtext><mml:mn>2</mml:mn></mml:msub> Order-disorder of dimers and role of Ir-Te correlations. Physical Review B, 2013, 88, .	1.1	20
110	Dispersive x-ray absorption studies at the Fe K-edge on the iron chalcogenide superconductor FeSe under pressure. Journal of Physics Condensed Matter, 2013, 25, 425704.	0.7	9
111	Temperature dependent local atomic displacements in Ru substituted SmFe1â^'xRuxAsO0.85F0.15superconductors. Superconductor Science and Technology, 2013, 26, 065005.	1.8	19
112	Interplay of electronic and lattice degrees of freedom inA1â^'xFe2â^'ySe2superconductors under pressure. Physical Review B, 2013, 88, .	1.1	16
113	Tracking competitive lattice distortions in strongly correlated VO ₂ -based systems: A temperature-dependent EXAFS study. Europhysics Letters, 2013, 102, 66004.	0.7	15
114	Film thickness dependence and multi-gap superconductivity in Fe-based Superconductors. , 2012, , .		0
115	Large local disorder in superconducting K0.8Fe1.6Se2studied by extended x-ray absorption fine structure. Journal of Physics Condensed Matter, 2012, 24, 115701.	0.7	21
116	Anisotropic compression in the high-pressure regime of pure and chromium-doped vanadium dioxide. Physical Review B, 2012, 85, .	1.1	32
117	Local structure of LiCoO₂nanoparticles studied by Co K-edge x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 335305.	0.7	12
118	Effect of Ru substitution on atomic displacements in the layered SmFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Ru<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>AsO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	19
119	Vibrational spectrum of solid picene (C₂₂H₁₄). Journal of Physics Condensed Matter, 2012, 24, 252203.	0.7	4
120	Phase Separation in Electron Doped Iron-Selenide K0.8Fe1.6Se2 Superconductor by Scanning X-ray Nano-Diffraction. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1383-1387.	0.8	1
121	Pressure Effects in the Isoelectronic REFe0.85Ir0.15AsO System. Journal of the American Chemical Society, 2011, 133, 3252-3255.	6.6	10
122	Nanoscale phase separation in the iron chalcogenide superconductor K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi /><mml:mrow><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>8</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi /><mml:mrow><mml:mn>1</mml:mn><mml:mo>.</mml:mo><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:m xmlns:. Physical Review B, 2011, 84, .	1.1	228
123	Random alloy-like local structure of Fe(Se, S)1â^'xTexsuperconductors revealed by extended x-ray absorption fine structure. Journal of Physics Condensed Matter, 2011, 23, 425701.	0.7	15
124	Local structural studies of Ba1 â^'xKxFe2As2using atomic pair distribution function analysis. Journal of Physics Condensed Matter, 2011, 23, 112202.	0.7	5
125	On the Structural Transition Driven by Band Nesting inÂ1111ÂPnictides. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1201-1205.	0.8	2
126	An experimental investigation on the poor hydrogen sorption properties of nano-structured LaNi5 prepared by ball-milling. International Journal of Hydrogen Energy, 2011, 36, 7914-7919.	3.8	18

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127	Temperature-dependent local structure of NdFeAsO_{1 â^'x}F_xsystem using arsenic K-edge extended x-ray absorption fine structure. Journal of Physics Condensed Matter, 2011, 23, 265701.	0.7	19
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