Placida RodrÃ-guez-Hernandez

List of Publications by Year
in descending order

202	6,251	53660	106150
papers	citations	45 h-index	65 g-index

204	204	204	4547
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice dynamics of zircon-type NdVO4 and scheelite-type PrVO4 under high-pressure. Journal of Physics Condensed Matter, 2022, 34, 025404.	0.7	2
2	Pressure-Induced Phase Transition and Band Gap Decrease in Semiconducting Î²-Cu₂V₂O₇. Inorganic Chemistry, 2022, 61, 3697-3707.	1.9	7
3	High-Pressure Properties of Wolframite-Type ScNbO₄. Journal of Physical Chemistry C, 2022, 126, 4664-4676.	1.5	14
4	Pressure-induced phase transition and increase of oxygen-iodine coordination in magnesium iodate. Physical Review B, 2022, 105, .	1.1	9
5	High-pressure tuning of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi><mml:mo>â€“</mml:mo><mml:mi>d</mml:mi> crystal-field electronic transitions and electronic band gap in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Co</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo>	1.1	10
6	Pressure-driven configurational crossover between 4f7 and 4f65d1 States â€“ Giant enhancement of narrow Eu2+ UV-Emission lines in SrB4O7 for luminescence manometry. Acta Materialia, 2022, 231, 117886.	3.8	14
7	General relationship between the band-gap energy and iodine-oxygen bond distance in metal iodates. Physical Review Materials, 2022, 6, .	0.9	7
8	Competing dynamical and lattice instabilities in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>R</mml:mi><mml:mi mathvariant="normal">VO</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> rare-earth vanadium oxides under high pressure. Physical Review Materials, 2022, 6, .	0.9	2
9	High-Pressure Synthesis of Î²- and Î±-In₂Se₃-Like Structures in Ga₂S₃. Chemistry of Materials, 2022, 34, 6068-6086.	3.2	3
10	Experimental and theoretical study of dense YBO3 and the influence of non-hydrostaticity. Journal of Alloys and Compounds, 2021, 850, 156562.	2.8	5
11	Pressure-dependent modifications in the optical and electronic properties of Fe(IO₃)₃: the role of Fe 3d and I 5p loneâ€“pair electrons. Inorganic Chemistry Frontiers, 2021, 8, 4780-4790.	3.0	13
12	Structural, vibrational and electronic properties of Î±â€²-Ga₂S₃ under compression. Physical Chemistry Chemical Physics, 2021, 23, 6841-6862.	1.3	8
13	Structural and vibrational study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zn</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo> high-pressure experiments and density functional theory. Physical Review B, 2021, 103, .	1.1	19
14	High-pressure monoclinicâ€“monoclinic transition in fergusonite-type HoNbO₄. Journal of Physics Condensed Matter, 2021, 33, 195401.	0.7	9
15	Polymorphism of praseodymium orthovanadate under high pressure. Physical Review B, 2021, 103, .	1.1	7
16	A Pseudopotential Study of Structural, Mechanical, and Lattice Dynamics Behavior of the Binary Intermetallic Yttrium Tristannide YSn 3. Physica Status Solidi (B): Basic Research, 2021, 258, 2100219.	0.7	1
17	Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO₃)₂. Journal of Physical Chemistry C, 2021, 125, 17448-17461.	1.5	14
18	Lattice dynamics study of (Gd1â^'xYbx)2O3(x=0.11) at high pressure. Journal of Alloys and Compounds, 2021, 871, 159525.	2.8	3

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19	Electronic properties and high-pressure behavior of wolframite-type CoWO₄. Materials Advances, 2021, 2, 5955-5966.	2.6	14
20	Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of Î²-Sb₂O₃. Dalton Transactions, 2021, 50, 5493-5505.	1.6	7
21	Pressure-induced orderâ€“disorder transitions in Î²-In₂S₃: an experimental and theoretical study of structural and vibrational properties. Physical Chemistry Chemical Physics, 2021, 23, 23625-23642.	1.3	3
22	Combined Experimental and Theoretical Studies: Lattice-Dynamical Studies at High Pressures with the Help of Ab Initio Calculations. Minerals (Basel, Switzerland), 2021, 11, 1283.	0.8	6
23	Orpiment under compression: metavalent bonding at high pressure. Physical Chemistry Chemical Physics, 2020, 22, 3352-3369.	1.3	20
24	Experimental and Theoretical Study of SbPO4 under Compression. Inorganic Chemistry, 2020, 59, 287-307.	1.9	14
25	High-Pressure Raman Study of Fe(IO₃)₃: Soft-Mode Behavior Driven by Coordination Changes of Iodine Atoms. Journal of Physical Chemistry C, 2020, 124, 21329-21337.	1.5	21
26	Phase Behavior of TmVO₄ under Hydrostatic Compression: An Experimental and Theoretical Study. Inorganic Chemistry, 2020, 59, 4882-4894.	1.9	10
27	Characterization and Decomposition of the Natural van der Waals SnSb₂Te₄ under Compression. Inorganic Chemistry, 2020, 59, 9900-9918.	1.9	31
28	Structural and Lattice-Dynamical Properties of Tb₂O₃ under Compression: A Comparative Study with Rare Earth and Related Sesquioxides. Inorganic Chemistry, 2020, 59, 9648-9666.	1.9	26
29	First-Order Isostructural Phase Transition Induced by High Pressure in Fe(IO₃)₃. Journal of Physical Chemistry C, 2020, 124, 8669-8679.	1.5	24
30	Putting the Squeeze on Lead Chromate Nanorods. Journal of Physical Chemistry Letters, 2019, 10, 4744-4751.	2.1	6
31	High pressure theoretical and experimental analysis of the bandgap of BaMoO4, PbMoO4, and CdMoO4. Applied Physics Letters, 2019, 115, .	1.5	24
32	High-pressure polymorphs of gadolinium orthovanadate: X-ray diffraction, Raman spectroscopy, and ab initio calculations. Physical Review B, 2019, 100, .	1.1	22
33	Post-tilleyite, a dense calcium silicate-carbonate phase. Scientific Reports, 2019, 9, 7898.	1.6	18
34	High-Pressure Single-Crystal X-ray Diffraction of Lead Chromate: Structural Determination and Reinterpretation of Electronic and Vibrational Properties. Inorganic Chemistry, 2019, 58, 5966-5979.	1.9	13
35	Giant conductivity enhancement: Pressure-induced semiconductor-metal phase transition in Cd0.90Zn0.1Te. Physical Review B, 2019, 99, .	1.1	6
36	Vibrational properties of CdGa2S4 at high pressure. Journal of Applied Physics, 2019, 125, .	1.1	7

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37	High-pressure characterization of the optical and electronic properties of InVO4, InNbO4, and InTaO4. SN Applied Sciences, 2019, 1, 1.	1.5	42
38	Dense Post-Barite-type Polymorph of PbSO₄ Anglesite at High Pressures. Inorganic Chemistry, 2019, 58, 2708-2716.	1.9	6
39	A High-Pressure Investigation of the Synthetic Analogue of Chalcomenite, CuSeO3â˙™2H2O. Crystals, 2019, 9, 643.	1.0	8
40	Elastic and thermodynamic properties of Î±-Bi2O3 at high pressures: Study of mechanical and dynamical stability. Journal of Physics and Chemistry of Solids, 2019, 124, 111-120.	1.9	16
41	Equation of state and structural characterization of Cu₄I₄{PPh₂(CH₂CHâ€‰=â€‰CH₂)}₄ under pressure. High Pressure Research, 2019, 39, 69-80.	0.5	5
42	Experimental and Theoretical Study of Bi₂O₂Se Under Compression. Journal of Physical Chemistry C, 2018, 122, 8853-8867.	1.5	46
43	High pressure luminescence of Nd3+ in YAlO3 perovskite nanocrystals: A crystal-field analysis. Journal of Chemical Physics, 2018, 148, 044201.	1.2	21
44	High-pressure structural and vibrational properties of monazite-type BiPO₄, LaPO₄, CePO₄, and PrPO₄. Journal of Physics Condensed Matter, 2018, 30, 065401.	0.7	28
45	Experimental and theoretical study on the optical properties of LaVO₄ crystals under pressure. Physical Chemistry Chemical Physics, 2018, 20, 27314-27328.	1.3	26
46	Phase transition systematics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiVO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> by means of high-pressureâ€“high-temperature Raman experiments. Physical Review B, 2018, 98, .	1.1	24
47	Lattice dynamics study of cubic Tb₂O₃. Journal of Raman Spectroscopy, 2018, 49, 2021-2027.	1.2	15
48	Experimental and Theoretical Studies on Î±-In₂Se₃ at High Pressure. Inorganic Chemistry, 2018, 57, 8241-8252.	1.9	46
49	Effect of High Pressure on the Crystal Structure and Vibrational Properties of Olivine-Type LiNiPO₄. Inorganic Chemistry, 2018, 57, 10265-10276.	1.9	16
50	High-Pressure Elastic, Vibrational and Structural Study of Monazite-Type GdPO4 from Ab Initio Simulations. Crystals, 2018, 8, 209.	1.0	10
51	An Ultrahigh CO₂-Loaded Silicalite-1 Zeolite: Structural Stability and Physical Properties at High Pressures and Temperatures. Inorganic Chemistry, 2018, 57, 6447-6455.	1.9	19
52	Stability of FeVO₄ under Pressure: An X-ray Diffraction and First-Principles Study. Inorganic Chemistry, 2018, 57, 7860-7876.	1.9	27
53	High-pressure structural, elastic, and thermodynamic properties of zircon-type HoPO₄and TmPO₄. Journal of Physics Condensed Matter, 2017, 29, 095401.	0.7	43
54	First-Principles Study of InVO₄ under Pressure: Phase Transitions from CrVO₄- to AgMnO₄-Type Structure. Inorganic Chemistry, 2017, 56, 2697-2711.	1.9	25

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55	Structural and vibrational properties of corundum-type In2O3nanocrystals under compression. Nanotechnology, 2017, 28, 205701.	1.3	11
56	Pressure-Driven Isostructural Phase Transition in InNbO₄: In Situ Experimental and Theoretical Investigations. Inorganic Chemistry, 2017, 56, 5420-5430.	1.9	29
57	ScVO₄under non-hydrostatic compression: a new metastable polymorph. Journal of Physics Condensed Matter, 2017, 29, 055401.	0.7	29
58	Optical and structural study of the pressure-induced phase transition of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CdWO</mml:mi><mml:mn>4</mml:mn></mml:msub></r Physical Review B, 2017, 95, .	1.1	23
59	Structural, Vibrational, and Elastic Properties of Yttrium Orthoaluminate Nanoperovskite at High Pressures. Journal of Physical Chemistry C, 2017, 121, 15353-15367.	1.5	13
60	High-pressure lattice-dynamics of NdVO4. Journal of Physics and Chemistry of Solids, 2017, 100, 126-133.	1.9	24
61	Study of the orpiment and anorpiment phases of As2S3 under pressure. Journal of Physics: Conference Series, 2017, 950, 042018.	0.3	4
62	High-pressure behavior of CaMoO4. Physical Review Materials, 2017, 1, .	0.9	15
63	High pressure study of structural, electronic, elastic, and vibrational properties of NaNb3O8. Journal of Alloys and Compounds, 2017, 725, 773-782.	2.8	3
64	Phase Stability of Lanthanum Orthovanadate at High Pressure. Journal of Physical Chemistry C, 2016, 120, 13749-13762.	1.5	42
65	InBO3 and ScBO3 at high pressures: An ab initio study of elastic and thermodynamic properties. Journal of Physics and Chemistry of Solids, 2016, 98, 198-208.	1.9	8
66	Correspondence: Strongly-driven Re+CO2 redox reaction at high-pressure and high-temperature. Nature Communications, 2016, 7, 13647.	5.8	21
67	Vibrational and elastic properties of As4O6 and As4O6Â·2He at high pressures: Study of dynamical and mechanical stability. Journal of Applied Physics, 2016, 120, .	1.1	8
68	Structural, Vibrational, and Electronic Study of Sb₂S₃ at High Pressure. Journal of Physical Chemistry C, 2016, 120, 10547-10558.	1.5	73
69	High-Pressure Crystal Structure, Lattice Vibrations, and Band Structure of BiSbO₄. Inorganic Chemistry, 2016, 55, 4958-4969.	1.9	60
70	Polymorphism in Strontium Tungstate SrWO₄ under Quasi-Hydrostatic Compression. Inorganic Chemistry, 2016, 55, 10406-10414.	1.9	25
71	Experimental and ab Initio Study of Catena(bis(Î¼₂-iodo)-6-methylquinoline-copper(I)) under Pressure: Synthesis, Crystal Structure, Electronic, and Luminescence Properties. Inorganic Chemistry, 2016, 55, 7476-7484.	1.9	27
72	Structural, vibrational, and electrical study of compressed BiTeBr. Physical Review B, 2016, 93, .	1.1	25

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73	Pressure-induced phase transition and band-gap collapse in the wide-band-gap semiconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>InTa</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>.	1.1	39
74	Ordered helium trapping and bonding in compressed arsenolite: Synthesis of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mo>Â·</mml:mo><mml:mn>2</mml:mn><mml:mi>He</mml:mi></mml:mrow></mml:math>.	1.1	29
75	Phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î²</mml:mi><mml:mo>â€™</mml:mo><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>under compression: Optical and elastic properties and electron density topology analysis. Physical Review B,	1.1	16
76	Arsenolite: a quasi-hydrostatic solid pressure-transmitting medium. Journal of Physics Condensed Matter, 2016, 28, 475403.	0.7	3
77	Monazite-type <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrCr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> under compression. Physical Review B, 2016, 94, .	1.1	30
78	Exploring the Chemical Reactivity between Carbon Dioxide and Three Transition Metals (Au, Pt, and Re) at High-Pressure, High-Temperature Conditions. Inorganic Chemistry, 2016, 55, 10793-10799.	1.9	21
79	Structural and electrical study of the topological insulator SnBi2Te4 at high pressure. Journal of Alloys and Compounds, 2016, 685, 962-970.	2.8	28
80	Pressure-induced phase transformation in zircon-type orthovanadate SmVO₄from experiment and theory. Journal of Physics Condensed Matter, 2016, 28, 035402.	0.7	25
81	Yttrium aluminium garnet under pressure: Structural, elastic, and vibrational properties from ab initio studies. Journal of Applied Physics, 2015, 118, .	1.1	11
82	High pressure phase transitions in NdVO4. AIP Conference Proceedings, 2015, , .	0.3	9
83	HgGa₂Se₄ under high pressure: An optical absorption study. Physica Status Solidi (B): Basic Research, 2015, 252, 2043-2051.	0.7	13
84	Synthesis and High-Pressure Study of Corundum-Type In₂O₃. Journal of Physical Chemistry C, 2015, 119, 29076-29087.	1.5	23
85	Experimental and theoretical study ofÎ±â€“Eu₂(MoO₄)₃under compression. Journal of Physics Condensed Matter, 2015, 27, 465401.	0.7	5
86	Crystal behavior of potassium bromate under compression. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 798-804.	0.5	3
87	Polymorphs of CaSeO₄ under Pressure: A First-Principles Study of Structural, Electronic, and Vibrational Properties. Inorganic Chemistry, 2015, 54, 1765-1777.	1.9	31
88	Theoretical and Experimental Study of the Crystal Structures, Lattice Vibrations, and Band Structures of Monazite-Type PbCrO₄, PbSeO₄, SrCrO₄, and SrSeO₄. Inorganic Chemistry, 2015, 54, 7524-7535.	1.9	90
89	Experimental and Theoretical Investigations on Structural and Vibrational Properties of Melilite-Type Sr₂ZnGe₂O₇ at High Pressure and Delineation of a High-Pressure Monoclinic Phase. Inorganic Chemistry, 2015, 54, 6594-6605.	1.9	23
90	Crystal Structure of Sinhalite MgAlBO4 under High Pressure. Journal of Physical Chemistry C, 2015, 119, 6777-6784.	1.5	5

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91	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. Physical Chemistry Chemical Physics, 2015, 17, 9454-9464.	1.3	17
92	Exploring the high-pressure behavior of the three known polymorphs of BiPO4: Discovery of a new polymorph. Journal of Applied Physics, 2015, 117, .	1.1	55
93	High-pressure structural and elastic properties of Tl2O3. Journal of Applied Physics, 2014, 116, .	1.1	20
94	Structural and Vibrational Study of Pseudocubic CdIn₂Se₄ under Compression. Journal of Physical Chemistry C, 2014, 118, 26987-26999.	1.5	7
95	Lattice and electronic contributions to the refractive index of CuWO4. Journal of Applied Physics, 2014, 116, .	1.1	8
96	High-pressure structural behaviour of HoVO₄: combined XRD experiments andab initiocalculations. Journal of Physics Condensed Matter, 2014, 26, 265402.	0.7	58
97	Elastic modulus and thermal properties of InN in the rocksalt phase. Computational Materials Science, 2014, 81, 374-377.	1.4	15
98	Tuning the band gap of PbCrO4 through high-pressure: Evidence of wide-to-narrow semiconductor transitions. Journal of Alloys and Compounds, 2014, 587, 14-20.	2.8	60
99	Structural and elastic properties of defect chalcopyrite HgGa2S4 under high pressure. Journal of Alloys and Compounds, 2014, 583, 70-78.	2.8	32
100	High-Pressure Raman Scattering of CaWO₄ Up to 46.3 GPa: Evidence of a New High-Pressure Phase. Inorganic Chemistry, 2014, 53, 9729-9738.	1.9	29
101	Pbca-Type In₂O₃: The High-Pressure Post-Corundum phase at Room Temperature.. Journal of Physical Chemistry C, 2014, 118, 20545-20552.	1.5	27
102	Isostructural Second-Order Phase Transition of Î²-Bi₂O₃ at High Pressures: An Experimental and Theoretical Study. Journal of Physical Chemistry C, 2014, 118, 23189-23201.	1.5	59
103	Structural and Vibrational Properties of CdAl₂S₄ under High Pressure: Experimental and Theoretical Approach. Journal of Physical Chemistry C, 2014, 118, 15363-15374.	1.5	8
104	Compressibility Systematics of Calcite-Type Borates: An Experimental and Theoretical Structural Study on ABO₃ (A = Al, Sc, Fe, and In). Journal of Physical Chemistry C, 2014, 118, 4354-4361.	1.5	22
105	Pressure effects on the vibrational properties ofÎ±-Bi₂O₃: an experimental and theoretical study. Journal of Physics Condensed Matter, 2014, 26, 225401.	0.7	21
106	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. Journal of Physical Chemistry C, 2014, 118, 13177-13185.	1.5	33
107	Effect of pressure on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>La</mml:mtext><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>(</mml:mi><mml:msub><mml:mtext>WO</mml:mtext><mml:mn>4 xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>with a modulated scheelite-type structure. Physical Review B, 2014, 89, .	1.1	9
108	Theoretical Ab Initio Calculations in Spinels at High Pressures. Springer Series in Materials Science, 2014, , 103-129.	0.4	1

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109	Lattice Dynamics Study of HgGa₂Se₄ at High Pressures. Journal of Physical Chemistry C, 2013, 117, 15773-15781.	1.5	21
110	Experimental and theoretical investigations on the polymorphism and metastability of BiPO4. Dalton Transactions, 2013, 42, 14999.	1.6	70
111	High-pressure Raman scattering study of defect chalcopyrite and defect stannite ZnGa2Se4. Journal of Applied Physics, 2013, 113, 233501.	1.1	17
112	Vibrational study of HgGa2S4 under high pressure. Journal of Applied Physics, 2013, 113, .	1.1	23
113	Thermally activated cation ordering in ZnGa₂Se₄single crystals studied by Raman scattering, optical absorption, andab initiocalculations. Journal of Physics Condensed Matter, 2013, 25, 165802.	0.7	12
114	Crystal structure of HgGa2Se4 under compression. Materials Research Bulletin, 2013, 48, 2128-2133.	2.7	18
115	High-pressure polymorphs of TbVO4: A Raman and ab initio study. Journal of Alloys and Compounds, 2013, 577, 327-335.	2.8	45
116	Electronic and elastic properties of yttrium gallium garnet under pressure fromab initiostudies. Journal of Applied Physics, 2013, 113, 183505.	1.1	19
117	Phase Behavior of Ag₂CrO₄ under Compression: Structural, Vibrational, and Optical Properties. Journal of Physical Chemistry C, 2013, 117, 12239-12248.	1.5	23
118	Composition-dependent elastic modulus, vibration frequency and polaron properties of ZnSexTe1â˜'x system. Optical Materials, 2013, 35, 2303-2308.	1.7	17
119	Highâ€pressure studies of topological insulators Bi₂Se₃, Bi₂Te₃, and Sb₂Te₃. Physica Status Solidi (B): Basic Research, 2013, 250, 669-676.	0.7	77
120	High-pressure study of the structural and elastic properties of defect-chalcopyrite HgGa2Se4. Journal of Applied Physics, 2013, 113, .	1.1	28
121	Trapping of three-dimensional electrons and transition to two-dimensional transport in the three-dimensional topological insulator Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>under high pressure. Physical Review B, 2012, 85, .	1.1	29
122	High-pressure lattice dynamical study of bulk and nanocrystalline In2O3. Journal of Applied Physics, 2012, 112, .	1.1	55
123	High-pressure transition to the post-barite phase in BaCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>hashemite. Physical Review B, 2012, 86, .	1.1	27
124	Raman scattering study of bulk and nanocrystalline PbMoO4 at high pressures. Journal of Applied Physics, 2012, 112, 103510.	1.1	22
125	Pressure effects on the electronic and optical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>WO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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127	Crystal Chemistry of CdIn₂S₄, MgIn₂S₄, and MnIn₂S₄ Thiospinels under High Pressure. Journal of Physical Chemistry C, 2012, 116, 14078-14087.	1.5	44
128	Effects of pressure on the structure and lattice dynamics of TmPO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>: Experiments and calculations. Physical Review B, 2012, 85, .	1.1	32
129	High-pressure Raman spectroscopy and lattice-dynamics calculations on scintillating MgWO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>: Comparison	1.1	78
130	Structural and vibrational study of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	1.1	138
131	Lattice dynamics of Sb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	1.1	108
132	The electronic structure of zircon-type orthovanadates: Effects of high-pressure and cation substitution. Journal of Applied Physics, 2011, 110, .	1.1	151
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134	Zircon to monazite phase transition in CeVO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>: X-ray diffraction and Raman-scattering measurements. Physical Review B, 2011, 84, .	1.1	83
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