Alfonso Munoz

List of Publications by Year in descending order

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291	9,345	38660 50	64668 79
papers	citations	h-index	g-index

297	297	297	6889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-pressure phases of group-IV, IIIâ€“V, and IIâ€“VI compounds. Reviews of Modern Physics, 2003, 75, 863-912.	16.4	922
2	Theoretical study of the relative stability of structural phases in group-III nitrides at high pressures. Physical Review B, 2000, 62, 16612-16623.	1.1	196
3	High-pressure structural study of the scheelite tungstatesCaWO4andSrWO4. Physical Review B, 2005, 72, .	1.1	159
4	Optical properties and electronic structure of rock-salt ZnO under pressure. Applied Physics Letters, 2003, 83, 278-280.	1.5	158
5	The electronic structure of zircon-type orthovanadates: Effects of high-pressure and cation substitution. Journal of Applied Physics, 2011, 110, .	1.1	151
6	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 /><mml:mn>3</mml:mn></mml:msub></mml:math>under high pressure. Physical Review B, 2011, 84, .	1.1	138
7	Comment on â€œHigh-pressure x-ray diffraction study of YBO3/Eu3+, GdBO3, and EuBO3: Pressure-induced amorphization in GdBO3â€• [J. Appl. Phys. 115, 043507 (2014)]. Journal of Applied Physics, 2014, 115, .	1.1	136
8	Electronic and structural properties of cubic BN and BP. Physical Review B, 1995, 51, 14705-14708.	1.1	130
9	Elastic constants and electronic structure of beryllium chalcogenides BeS, BeSe, and BeTefrom first-principles calculations. Physical Review B, 1997, 55, 14043-14046.	1.1	121
10	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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19	First-principles pseudopotential study of the phase stability of the III-V semiconductors GaAs and AlAs. Physical Review B, 1995, 52, 8881-8892.	1.1	90
20	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
21	On the band gap of CuAlO2 delafossite. Applied Physics Letters, 2006, 88, 181904.	1.5	86
22	Combined Raman scattering andab initioinvestigation of pressure-induced structural phase transitions in the scintillator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>ZnWO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml: Physical Review B, 2008, 78, .	1.1	83
23	Zircon to monazite phase transition in CeVO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: X-ray diffraction and Raman scattering measurements. Physical Review B, 2011, 84, .	1.1	83
24	A combined high-pressure experimental and theoretical study of the electronic band-structure of scheelite-type AWO4 (Aâ€‰=â€‰Ca, Sr, Ba, Pb) compounds. Journal of Applied Physics, 2011, 110, .	1.1	81
25	Electronic, vibrational, and thermodynamic properties of metacinnabar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi><mml:mtext>-HgS</mml:mtext></mml:mrow></mml:math>, HgSe, and HgTe. Physical Review B, 2009, 80, .	1.1	80
26	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:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: Comparison with isomorphic compounds. Physical Review B, 2011, 83, .	1.1	78
27	Highâ€pressure studies of topological insulators Bi₂Se₃, Bi₂Te₃, and Sb₂Te₃. Physica Status Solidi (B): Basic Research, 2013, 250, 669-676.	0.7	77
28	Structural, Vibrational, and Electronic Study of Sb₂S₃ at High Pressure. Journal of Physical Chemistry C, 2016, 120, 10547-10558.	1.5	73
29	Experimental and theoretical investigations on the polymorphism and metastability of BiPO4. Dalton Transactions, 2013, 42, 14999.	1.6	70
30	High-pressure structural phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CuWO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml: Physical Review B, 2010, 81, .	1.1	67
31	Ground-state properties and high-pressure phase of beryllium chalcogenides BeSe, BeTe, and BeS. Physical Review B, 1996, 54, 11861-11864.	1.1	66
32	High-pressure phase transitions and compressibility of wolframite-type tungstates. Journal of Applied Physics, 2010, 107, .	1.1	66
33	Structural evolution of theCuGaO2delafossite under high pressure. Physical Review B, 2004, 69, .	1.1	64
34	Phase transitions in wolframite-type<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CdWO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml: high pressure studied by Raman spectroscopy and density-functional theory. Physical Review B, 2009, 79, .	1.1	64
35	Synthesis, structure and luminescence of Er3+-doped Y3Ga5O12 nano-garnets. Journal of Materials Chemistry, 2012, 22, 13788.	6.7	62
36	Lattice dynamics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YVO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml: high pressures. Physical Review B, 2010, 81, .	1.1	60

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37	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
38	High-Pressure Crystal Structure, Lattice Vibrations, and Band Structure of BiSbO₄. Inorganic Chemistry, 2016, 55, 4958-4969.	1.9	60
39	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
40	High-pressure structural behaviour of HoVO₄: combined XRD experiments andab initiocalculations. Journal of Physics Condensed Matter, 2014, 26, 265402.	0.7	58
41	Structural and dielectric properties of AlN under pressure. Physica B: Condensed Matter, 2008, 403, 4059-4062.	1.3	57
42	Ab initio lattice dynamics and piezoelectric properties of MgS and MgSe alkaline earth chalcogenides. European Physical Journal B, 2010, 73, 185-193.	0.6	55
43	High-pressure lattice dynamical study of bulk and nanocrystalline In2O3. Journal of Applied Physics, 2012, 112, .	1.1	55
44	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
45	Electronic and Structural Properties of BeSe, BeTe, and BeS: Comparison between abâ€initio Theory and Experiments. Physica Status Solidi (B): Basic Research, 1996, 198, 439-446.	0.7	54
46	First-principles study of the high-pressure phase transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>ZnAl</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>ZnGa</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m	1.1	54
47	High-pressure study of ScVO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>by Raman scattering andab initiocalculations. Physical Review B, 2011, 83, .	1.1	54
48	First-principles calculation of the elastic constants of AlAs. Physical Review B, 1989, 40, 11934-11936.	1.1	53
49	Structure and static properties of indium nitride at low and moderate pressures. Journal of Physics Condensed Matter, 1993, 5, 6015-6022.	0.7	52
50	First-principles study of high-pressure phonon dispersions of wurtzite, zinc-blende, and rocksalt AlN. Journal of Applied Physics, 2008, 103, .	1.1	52
51	Structural stability ofFe5Si3andNi2Sistudied by high-pressure x-ray diffraction andab initiototal-energy calculations. Physical Review B, 2008, 77, .	1.1	51
52	Lattice dynamics study of scheelite tungstates under high pressure II.PbWO4. Physical Review B, 2006, 74, .	1.1	50
53	First-principles study of electronic, vibrational, elastic, and magnetic properties of FeF<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>as a function of pressure. Physical Review B, 2012, 85, .	1.1	50
54	AlX (X = As, P, Sb) Compounds under Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 39-43.	0.7	47

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55	Theoretical Study of the Elastic Properties of III-P Compounds. Physica Status Solidi (B): Basic Research, 2001, 223, 411-415.	0.7	47
56	Lattice dynamics of ZnAl₂O₄ and ZnGa₂O₄ under high pressure. Annalen Der Physik, 2011, 523, 157-167.	0.9	47
57	Theoretical and experimental study of the structural stability of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TbPO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>under high pressures. Physical Review B, 2010, 81, .	1.1	46
58	High-pressure optical and vibrational properties of CdGa2Se4: Order-disorder processes in adamantine compounds. Journal of Applied Physics, 2012, 111, .	1.1	46
59	Experimental and Theoretical Study of Bi₂O₂Se Under Compression. Journal of Physical Chemistry C, 2018, 122, 8853-8867.	1.5	46
60	Experimental and Theoretical Studies on Î±-In₂Se₃ at High Pressure. Inorganic Chemistry, 2018, 57, 8241-8252.	1.9	46
61	High-pressure polymorphs of TbVO4: A Raman and ab initio study. Journal of Alloys and Compounds, 2013, 577, 327-335.	2.8	45
62	K/Si(100) 2 Ã— 1: A Case Study for the Transfer of Charge between Alkali Metals and Semiconductor Surfaces. Europhysics Letters, 1988, 5, 727-732.	0.7	44
63	Ab initio calculations of electronic structure and elastic constants in AlP. Semiconductor Science and Technology, 1992, 7, 1437-1440.	1.0	44
64	Optical properties of wurtzite and rock-salt ZnO under pressure. Microelectronics Journal, 2005, 36, 928-932.	1.1	44
65	Crystal Chemistry of CdIn₂S₄, MgIn₂S₄, and MnIn₂S₄ Thiospinels under High Pressure. Journal of Physical Chemistry C, 2014, 118, 4778-4787.	1.5	44
66	Experimental and theoretical study of structural properties and phase transitions in YAsO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>and YCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mro	1.1	43
67	High-pressure structural, elastic, and thermodynamic properties of zircon-type HoPO₄and TmPO₄. Journal of Physics Condensed Matter, 2017, 29, 095401.	0.7	43
68	Structural study of Î±-Bi₂O₃under pressure. Journal of Physics Condensed Matter, 2013, 25, 475402.	0.7	42
69	Phase Stability of Lanthanum Orthovanadate at High Pressure. Journal of Physical Chemistry C, 2016, 120, 13749-13762.	1.5	42
70	High-pressure characterization of the optical and electronic properties of InVO4, InNbO4, and InTaO4. SN Applied Sciences, 2019, 1, 1.	1.5	42
71	Heterojunction valence-band-discontinuity dependence on face orientation. Physical Review B, 1987, 35, 6468-6470.	1.1	41
72	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>. Physical Review B, 2016, 93, .	1.1	39

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73	Theoretical study of the cinnabar phases in GaAs and GaP. Physical Review B, 1998, 57, 1344-1347.	1.1	38
74	Electronic structure of CuAlO2 and CuScO2 delafossites under pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 309-314.	0.7	35
75	Semiconductor interface formation: The role of the induced density of interface states. Applied Surface Science, 1990, 41-42, 144-150.	3.1	34
76	Crystal stability and pressure-induced phase transitions in scheelite AWO4 (A = Ca, Sr, Ba, Pb, Eu) binary oxides. II: Towards a systematic understanding. Physica Status Solidi (B): Basic Research, 2007, 244, 295-302.	0.7	34
77	First-principles study of lithium-doped carbon clathrates under pressure. Journal of Physics Condensed Matter, 2008, 20, 215218.	0.7	34
78	High-pressure phase transformations, pressure-induced amorphization, and polyamorphic transition of the clathrate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Rb</mml:mtext></mml:mrow><mml:mrow><mml:mn>6.15</mml:mn></mml Physical Review B, 2009, 79, .	1.1	34
79	Chemical pressure effects on the spectroscopic properties of Nd^3+-doped gallium nano-garnets. Optical Materials Express, 2015, 5, 1661.	1.6	34
80	Electronic, vibrational, and thermodynamic properties of ZnS with zinc-blende and rocksalt structure. Physical Review B, 2010, 81, .	1.1	33
81	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. Journal of Physical Chemistry C, 2014, 118, 13177-13185.	1.5	33
82	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
83	Structural and elastic properties of defect chalcopyrite HgGa2S4 under high pressure. Journal of Alloys and Compounds, 2014, 583, 70-78.	2.8	32
84	Crystal stability and pressure-induced phase transitions in scheelite AWO4 (A = Ca, Sr, Ba, Pb, Eu) binary oxides. I: A review of recentab initio calculations, ADXRD, XANES, and Raman studies. Physica Status Solidi (B): Basic Research, 2007, 244, 325-330.	0.7	31
85	Polymorphs of CaSeO₄ under Pressure: A First-Principles Study of Structural, Electronic, and Vibrational Properties. Inorganic Chemistry, 2015, 54, 1765-1777.	1.9	31
86	Characterization and Decomposition of the Natural van der Waals SnSb₂Te₄ under Compression. Inorganic Chemistry, 2020, 59, 9900-9918.	1.9	31
87	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
88	Ab initiostudy of the phase transformations of ZnSe under high pressure: stability of the cinnabar and SC16 phases. Journal of Physics Condensed Matter, 2000, 12, 1705-1713.	0.7	29
89	Theoretical study of the pressure-induced structural phase transition of ScSb and YSb. International Journal of Quantum Chemistry, 2005, 101, 770-773.	1.0	29
90	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

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91	Pressure-induced phase-transition sequence in CoF<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>: An experimental and first-principles study on the crystal, vibrational, and electronic properties. Physical Review B, 2013, 88, .	1.1	29
92	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
93	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>H</mml:mi></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	29
94	Pressure-Driven Isostructural Phase Transition in InNbO₄: In Situ Experimental and Theoretical Investigations. Inorganic Chemistry, 2017, 56, 5420-5430.	1.9	29
95	ScVO₄under non-hydrostatic compression: a new metastable polymorph. Journal of Physics Condensed Matter, 2017, 29, 055401.	0.7	29
96	High-pressure study of the structural and elastic properties of defect-chalcopyrite HgGa2Se4. Journal of Applied Physics, 2013, 113, .	1.1	28
97	Structural and electrical study of the topological insulator SnBi2Te4 at high pressure. Journal of Alloys and Compounds, 2016, 685, 962-970.	2.8	28
98	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
99	Stability and nature of the volume collapse of Îµ-Fe2O3 under extreme conditions. Nature Communications, 2018, 9, 4554.	5.8	28
100	Early Stages of GaAs-Ge(110) Interface Formation. Europhysics Letters, 1986, 2, 385-391.	0.7	27
101	Nonlinear pressure dependence of the direct band gap in adamantine ordered-vacancy compounds. Physical Review B, 2010, 81, .	1.1	27
102	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
103	Pbca-Type In₂O₃: The High-Pressure Post-Corundum phase at Room Temperature.. Journal of Physical Chemistry C, 2014, 118, 20545-20552.	1.5	27
104	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
105	Stability of FeVO₄ under Pressure: An X-ray Diffraction and First-Principles Study. Inorganic Chemistry, 2018, 57, 7860-7876.	1.9	27
106	Experimental and theoretical study on the optical properties of LaVO₄ crystals under pressure. Physical Chemistry Chemical Physics, 2018, 20, 27314-27328.	1.3	26
107	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
108	The simultaneous low state spectral energy distribution of 1ESâ€‰2344+514 from radio to very high energies. Astronomy and Astrophysics, 2013, 556, A67.	2.1	25

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109	Polymorphism in Strontium Tungstate SrWO₄ under Quasi-Hydrostatic Compression. Inorganic Chemistry, 2016, 55, 10406-10414.	1.9	25
110	Structural, vibrational, and electrical study of compressed BiTeBr. Physical Review B, 2016, 93, .	1.1	25
111	Pressure-induced phase transformation in zircon-type orthovanadate SmVO₄from experiment and theory. Journal of Physics Condensed Matter, 2016, 28, 035402.	0.7	25
112	First-Principles Study of InVO₄ under Pressure: Phase Transitions from CrVO₄- to AgMnO₄-Type Structure. Inorganic Chemistry, 2017, 56, 2697-2711.	1.9	25
113	Relative Stability of Calcium Chalcogenides from Ab initio Theory. High Pressure Research, 2002, 22, 459-463.	0.4	24
114	Theoretical and experimental study of CaWO4 and SrWO4 under pressure. Journal of Physics and Chemistry of Solids, 2006, 67, 2164-2171.	1.9	24
115	Electronic and phononic properties of cinnabar:Ab initiocalculations and some experimental results. Physical Review B, 2010, 82, .	1.1	24
116	First-principles calculations of electronic, vibrational, and structural properties of scheelite EuWO<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>under pressure. Physical Review B, 2011, 84, .	1.1	24
117	Broadband, site selective and time resolved photoluminescence spectroscopic studies of finely size-modulated Y2O3:Eu3+ phosphors synthesized by a complex based precursor solution method. Current Applied Physics, 2014, 14, 72-81.	1.1	24
118	First-principles study of pressure-induced structural phase transitions in MnF₂. Physical Chemistry Chemical Physics, 2016, 18, 33250-33263.	1.3	24
119	High-pressure lattice-dynamics of NdVO4. Journal of Physics and Chemistry of Solids, 2017, 100, 126-133.	1.9	24
120	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
121	High pressure theoretical and experimental analysis of the bandgap of BaMoO4, PbMoO4, and CdMoO4. Applied Physics Letters, 2019, 115, .	1.5	24
122	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
123	Anomalous Raman modes in tellurides. Journal of Materials Chemistry C, 0, , .	2.7	24
124	Lattice dynamics properties of zinc-blende and Nickel arsenide phases of AlP. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5340-5345.	0.9	23
125	Vibrational study of HgGa2S4 under high pressure. Journal of Applied Physics, 2013, 113, .	1.1	23
126	Phase Behavior of Ag₂CrO₄ under Compression: Structural, Vibrational, and Optical Properties. Journal of Physical Chemistry C, 2013, 117, 12239-12248.	1.5	23

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127	Synthesis and High-Pressure Study of Corundum-Type In₂O₃. Journal of Physical Chemistry C, 2015, 119, 29076-29087.	1.5	23
128	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
129	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> Physical Review B, 2017, 95, .	1.1	23
130	Ab initiolattice dynamics of zinc-blende Ga_xIn_{1â^'x}N alloys. Journal of Physics Condensed Matter, 2007, 19, 486209.	0.7	22
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