

Francisco J Manjón

List of Publications by Year in descending order

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184
papers

6,829
citations

53751

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79644

73
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189
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189
docs citations

189
times ranked

6436
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced phase transition and increase of oxygen-iodine coordination in magnesium iodate. <i>Physical Review B</i> , 2022, 105, .	1.1	9
2	Pressure-driven configurational crossover between 4f7 and 4f65d1 States â€“ Giant enhancement of narrow Eu2+ UV-Emission lines in SrB4O7 for luminescence manometry. <i>Acta Materialia</i> , 2022, 231, 117886.	3.8	14
3	Metavalent bonding in chalcogenides: DFT-chemical pressure approach. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9936-9942.	1.3	3
4	High-Pressure Synthesis of $\hat{\Gamma}^2$ - and $\hat{\Gamma}^4$ -In ₂ Se ₃ -Like Structures in Ga ₂ S ₃ . <i>Chemistry of Materials</i> , 2022, 34, 6068-6086.	3.2	3
5	Experimental and theoretical study of dense YBO3 and the influence of non-hydrostaticity. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156562.	2.8	5
6	Structural, vibrational and electronic properties of $\hat{\Gamma}^2$ -Ga ₂ S ₃ under compression. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6841-6862.	1.3	8
7	Structural and vibrational study of $\hat{\Gamma}^2$ -Zn ₂ Se ₃ under high-pressure experiments and density functional theory. <i>Physical Review B</i> , 2021, 103, .	1.1	19
8	GdBO3 and YBO3 crystals under compression. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158962.	2.8	3
9	$\hat{\Gamma}^2$ -In ₂ Se ₃ : Pressure-induced three-dimensional Dirac semimetal with ultralow room-pressure lattice thermal conductivity. <i>Physical Review B</i> , 2021, 104, .	1.1	7
10	Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO ₃) ₂ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 17448-17461.	1.5	14
11	Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of $\hat{\Gamma}^2$ -Sb ₂ O ₃ . <i>Dalton Transactions</i> , 2021, 50, 5493-5505.	1.6	7
12	Pressure-induced orderâ€“disorder transitions in $\hat{\Gamma}^2$ -In ₂ S ₃ : an experimental and theoretical study of structural and vibrational properties. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23625-23642.	1.3	3
13	Combined Experimental and Theoretical Studies: Lattice-Dynamical Studies at High Pressures with the Help of Ab Initio Calculations. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1283.	0.8	6
14	Spray pyrolysis synthesis and characterization of Mg _{1-x} Sr _x MoO ₄ heterostructure with white light emission. <i>Journal of Alloys and Compounds</i> , 2020, 813, 152235.	2.8	18
15	Orpiment under compression: metavalent bonding at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3352-3369.	1.3	20
16	Experimental and Theoretical Study of SbPO ₄ under Compression. <i>Inorganic Chemistry</i> , 2020, 59, 287-307.	1.9	14
17	High-Pressure Raman Study of Fe(IO ₃) ₃ : Soft-Mode Behavior Driven by Coordination Changes of Iodine Atoms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21329-21337.	1.5	21
18	High-pressure characterization of multifunctional CrVO ₄ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 385403.	0.7	12

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19	Characterization and Decomposition of the Natural van der Waals SnSb_2Te_4 under Compression. <i>Inorganic Chemistry</i> , 2020, 59, 9900-9918.	1.9	31
20	Structural and Lattice-Dynamical Properties of Tb_2O_3 under Compression: A Comparative Study with Rare Earth and Related Sesquioxides. <i>Inorganic Chemistry</i> , 2020, 59, 9648-9666.	1.9	26
21	Investigation on the Luminescence Properties of InMO_4 ($M = \text{V}^{5+}$), $\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10}$ Earth Ions. <i>ACS Omega</i> , 2020, 5, 2148-2158.	1.6	24
22	Borates or phosphates? That is the question. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 197-205.	0.0	2
23	Structural Characterization of Auophilic Gold(I) Iodide under High Pressure. <i>Inorganic Chemistry</i> , 2019, 58, 10665-10670.	1.9	15
24	Performance of graphene oxide-modified electrodeposited $\text{ZnO/Cu}_2\text{O}$ heterojunction solar cells. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2019, 58, 263-273.	0.9	15
25	Vibrational properties of CdGa_2S_4 at high pressure. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	7
26	Pressure-Induced Phase Transitions in Sesquioxides. <i>Crystals</i> , 2019, 9, 630.	1.0	21
27	Elastic and thermodynamic properties of Bi_2O_3 at high pressures: Study of mechanical and dynamical stability. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 124, 111-120.	1.9	16
28	Experimental and Theoretical Study of $\text{Bi}_2\text{O}_3\text{Se}$ Under Compression. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8853-8867.	1.5	46
29	High-pressure structural and vibrational properties of monazite-type BiPO_4 , LaPO_4 , CePO_4 , and PrPO_4 . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 065401.	0.7	28
30	Lattice dynamics study of cubic Tb_2O_3 . <i>Journal of Raman Spectroscopy</i> , 2018, 49, 2021-2027.	1.2	15
31	Experimental and Theoretical Studies on In_2Se_3 at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 8241-8252.	1.9	46
32	Analysis of the upconversion emission of yttrium orthoaluminate nano-perovskite co-doped with $\text{Er}^{3+}/\text{Yb}^{3+}$ ions for thermal sensing applications. <i>Journal of Luminescence</i> , 2018, 202, 316-321.	1.5	14
33	START-UP OF A CATALOG OF EXPERIMENTAL DEMONSTRATIONS: ACTIVE METHODOLOGIES IN BASIC SUBJECTS. <i>INTED Proceedings</i> , 2018, , .	0.0	0
34	Structural and vibrational properties of corundum-type In_2O_3 nanocrystals under compression. <i>Nanotechnology</i> , 2017, 28, 205701.	1.3	11
35	Structural, Vibrational, and Elastic Properties of Yttrium Orthoaluminate Nanoperovskite at High Pressures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15353-15367.	1.5	13
36	High-pressure lattice-dynamics of NdVO_4 . <i>Journal of Physics and Chemistry of Solids</i> , 2017, 100, 126-133.	1.9	24

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37	Study of the orpiment and anorpiment phases of As ₂ S ₃ under pressure. Journal of Physics: Conference Series, 2017, 950, 042018.	0.3	4
38	LINEAR MOMENTUM CONSERVATION: A VIRTUAL LAB EXPERIENCE. EDULEARN Proceedings, 2017, , .	0.0	1
39	InBO ₃ and ScBO ₃ 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
40	Vibrational and elastic properties of As ₄ O ₆ and As ₄ O ₆ ·2He at high pressures: Study of dynamical and mechanical stability. Journal of Applied Physics, 2016, 120, .	1.1	8
41	Structural, Vibrational, and Electronic Study of Sb ₂ S ₃ at High Pressure. Journal of Physical Chemistry C, 2016, 120, 10547-10558.	1.5	73
42	Structural, Vibrational, and Electronic Study of $\hat{I}\pm$ -As ₂ Te ₃ under Compression. Journal of Physical Chemistry C, 2016, 120, 19340-19352.	1.5	37
43	Structural, vibrational, and electrical study of compressed BiTeBr. Physical Review B, 2016, 93, .	1.1	25
44	Ordered helium trapping and bonding in compressed arsenolite: Synthesis of $A_{s_4O_6} \cdot 2He$. http://dx.doi.org/10.1063/1.496093	1.1	29
45	Metastable structural transformations and pressure-induced amorphization in natural (Mg,Fe) ₂ SiO ₄ olivine under static compression: A Raman spectroscopic study. American Mineralogist, 2016, 101, 1642-1650.	1.1	16
46	Arsenolite: a quasi-hydrostatic solid pressure-transmitting medium. Journal of Physics Condensed Matter, 2016, 28, 475403.	0.9	20
47	Structural and optical properties of Ta ₂ O ₅ :Eu ³⁺ : Mg ²⁺ or Ca ²⁺ phosphor prepared by molten salt method. AIP Conference Proceedings, 2016, , .	0.7	3
48	Structural and optical properties of Ta ₂ O ₅ :Eu ³⁺ : Mg ²⁺ or Ca ²⁺ phosphor prepared by molten salt method. AIP Conference Proceedings, 2016, , .	0.3	3
49	Structural and electrical study of the topological insulator SnBi ₂ Te ₄ at high pressure. Journal of Alloys and Compounds, 2016, 685, 962-970.	2.8	28
50	Pressure-induced amorphization of YVO ₄ :Eu ³⁺ nanoboxes. Nanotechnology, 2016, 27, 025701.	1.3	19
51	SMARTPHONE FOR TEACHING EXPERIMENTAL PHYSICS. , 2016, , .		0
52	High pressure phase transitions in NdVO ₄ . AIP Conference Proceedings, 2015, , .	0.3	9
53	HgGa ₂ Se ₄ under high pressure: An optical absorption study. Physica Status Solidi (B): Basic Research, 2015, 252, 2043-2051.	0.7	13
54	Synthesis and High-Pressure Study of Corundum-Type In ₂ O ₃ . Journal of Physical Chemistry C, 2015, 119, 29076-29087.	1.5	23

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55	Experimental and theoretical study of $\text{Eu}^{2+}(\text{MoO}_4)_3$ under compression. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 465401.	0.7	5
56	Experimental and Theoretical Investigations on Structural and Vibrational Properties of Melilite-Type $\text{Sr}_2\text{ZnGe}_2\text{O}_7$ at High Pressure and Delineation of a High-Pressure Monoclinic Phase. <i>Inorganic Chemistry</i> , 2015, 54, 6594-6605.	1.9	23
57	Crystal Structure of Sinhalite MgAlBO_4 under High Pressure. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6777-6784.	1.5	5
58	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9454-9464.	1.3	17
59	Chemical pressure effects on the spectroscopic properties of Nd^{3+} -doped gallium nano-garnets. <i>Optical Materials Express</i> , 2015, 5, 1661.	1.6	34
60	The study of two-dimensional oscillations using a smartphone acceleration sensor: example of Lissajous curves. <i>Physics Education</i> , 2015, 50, 580-586.	0.3	20
61	High-pressure structural and elastic properties of Ti_2O_3 . <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	20
62	Room-temperature vibrational properties of multiferroic MnWO_4 under quasi-hydrostatic compression up to 39 GPa. <i>Journal of Applied Physics</i> , 2014, 115, 043510.	1.1	22
63	Structural and Vibrational Study of Pseudocubic CdIn_2Se_4 under Compression. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26987-26999.	1.5	7
64	Structural and elastic properties of defect chalcopyrite HgGa_2S_4 under high pressure. <i>Journal of Alloys and Compounds</i> , 2014, 583, 70-78.	2.8	32
65	Broadband, site selective and time resolved photoluminescence spectroscopic studies of finely size-modulated $\text{Y}_2\text{O}_3:\text{Eu}^{3+}$ phosphors synthesized by a complex based precursor solution method. <i>Current Applied Physics</i> , 2014, 14, 72-81.	1.1	24
66	Pbc -Type In_2O_3 : The High-Pressure Post-Corundum phase at Room Temperature.. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20545-20552.	1.5	27
67	Isostructural Second-Order Phase Transition of Bi_2O_3 at High Pressures: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23189-23201.	1.5	59
68	Structural and Vibrational Properties of CdAl_2S_4 under High Pressure: Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15363-15374.	1.5	8
69	Compressibility Systematics of Calcite-Type Borates: An Experimental and Theoretical Structural Study on ABO_3 (A = Al, Sc, Fe, and In). <i>Journal of Physical Chemistry C</i> , 2014, 118, 4354-4361.	1.5	22
70	Pressure effects on the vibrational properties of Bi_2O_3 : an experimental and theoretical study. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 225401.	0.7	21
71	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13177-13185.	1.5	33
72	Effect of pressure on La_2WO_4 with a modulated scheelite-type structure. <i>Physical Review B</i> , 2014, 89, .	1.1	9

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73	AB_2S_4 Ordered-Vacancy Compounds at High Pressures. Springer Series in Materials Science, 2014, , 133-161.	0.4	2
74	AB_2Se_4 Ordered-Vacancy Compounds at High Pressures. Springer Series in Materials Science, 2014, , 163-184.	0.4	5
75	Lattice Dynamics Study of HgGa_2Se_4 at High Pressures. Journal of Physical Chemistry C, 2013, 117, 15773-15781.	1.5	21
76	Experimental and theoretical investigations on the polymorphism and metastability of BiPO_4 . Dalton Transactions, 2013, 42, 14999.	1.6	70
77	X-ray diffraction study on pressure-induced phase transformations and the equation of state of ZnGa_2Te_4 . Journal of Applied Physics, 2013, 114, .	1.1	37
78	High-pressure Raman scattering study of defect chalcopyrite and defect stannite ZnGa_2Se_4 . Journal of Applied Physics, 2013, 113, 233501.	1.1	17
79	Vibrational study of HgGa_2S_4 under high pressure. Journal of Applied Physics, 2013, 113, .	1.1	23
80	High-pressure lattice dynamics in wurtzite and rocksalt indium nitride investigated by means of Raman spectroscopy. Physical Review B, 2013, 88, .	1.1	17
81	Thermally activated cation ordering in ZnGa_2Se_4 single crystals studied by Raman scattering, optical absorption, and <i>ab initio</i> calculations. Journal of Physics Condensed Matter, 2013, 25, 165802.	0.7	12
82	Structural study of Bi_2O_3 under pressure. Journal of Physics Condensed Matter, 2013, 25, 475402.	0.7	42
83	Crystal structure of HgGa_2Se_4 under compression. Materials Research Bulletin, 2013, 48, 2128-2133.	2.7	18
84	High-pressure polymorphs of TbVO_4 : A Raman and <i>ab initio</i> study. Journal of Alloys and Compounds, 2013, 577, 327-335.	2.8	45
85	Enhanced Hydrothermal Resistance of ZrO_2 Ceramics Through Colloidal Processing. Journal of the American Ceramic Society, 2013, 96, 1070-1076.	1.9	17
86	Order-disorder processes in adamantane ternary ordered vacancy compounds. Physica Status Solidi (B): Basic Research, 2013, 250, 1496-1504.	0.7	12
87	Electronic and elastic properties of yttrium gallium garnet under pressure from <i>ab initio</i> studies. Journal of Applied Physics, 2013, 113, 183505.	1.1	19
88	Phase Behavior of Ag_2CrO_4 under Compression: Structural, Vibrational, and Optical Properties. Journal of Physical Chemistry C, 2013, 117, 12239-12248.	1.5	23
89	Synthesis of a Novel Zeolite through a Pressure-Induced Reconstructive Phase Transition Process. Angewandte Chemie - International Edition, 2013, 52, 10458-10462.	7.2	45
90	High-pressure studies of topological insulators Bi_2Se_3 , Bi_2Te_3 , and Sb_2Te_3 . Physica Status Solidi (B): Basic Research, 2013, 250, 669-676.	0.7	77

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91	High-pressure study of the structural and elastic properties of defect-chalcopyrite HgGa ₂ Se ₄ . Journal of Applied Physics, 2013, 113, .	1.1	28
92	Oscillations studied with the smartphone ambient light sensor. European Journal of Physics, 2013, 34, 1349-1354.	0.3	62
93	VÃ³rtices no estacionarios en un vaso de agua. Revista Brasileira De Ensino De Fisica, 2013, 35, .	0.2	0
94	New high-pressure phase and equation of state of Ce ₂ Zr ₂ O ₈ . Journal of Applied Physics, 2012, 111, .	1.1	23
95	Trapping of three-dimensional electrons and transition to two-dimensional transport in the three-dimensional topological insulator Bi ₂ Se ₃ under high pressure. Physical Review B, 2012, 85, .	1.1	29
96	High-pressure lattice dynamical study of bulk and nanocrystalline In ₂ O ₃ . Journal of Applied Physics, 2012, 112, .	1.1	55
97	High-pressure optical absorption in InN: Electron density dependence in the wurtzite phase and reevaluation of the indirect band gap of rocksalt InN. Physical Review B, 2012, 86, .	1.1	8
98	Raman scattering study of bulk and nanocrystalline PbMoO ₄ at high pressures. Journal of Applied Physics, 2012, 112, 103510.	1.1	22
99	High-pressure optical and vibrational properties of CdGa ₂ Se ₄ : Order-disorder processes in adamantine compounds. Journal of Applied Physics, 2012, 111, .	1.1	46
100	Synthesis, structure and luminescence of Er ³⁺ -doped Y ₃ Ga ₅ O ₁₂ nano-garnets. Journal of Materials Chemistry, 2012, 22, 13788.	6.7	62
101	Crystal Chemistry of CdIn ₂ S ₄ , MgIn ₂ S ₄ , and MnIn ₂ S ₄ Thiospinels under High Pressure. Journal of Physical Chemistry C, 2012, 116, 14078-14087.	1.5	44
102	Effects of high-pressure on the structural, vibrational, and electronic properties of monazite-type PbCrO ₄ . Physical Review B, 2012, 85, .	1.1	63
103	Structural and vibrational study of cubic Sb ₂ O ₃ under high pressure. Physical Review B, 2012, 85, .	1.1	71
104	ZnO-based spinels grown by electrodeposition. Journal of Physics and Chemistry of Solids, 2012, 73, 1111-1115.	1.9	48
105	High-pressure Raman spectroscopy and lattice-dynamics calculations on scintillating MgWO ₄ : Comparison	1.1	78
106	Structural and vibrational study of Bi ₂ Se ₃ : Comparison	1.1	138
107	Lattice dynamics on Bi ₂ Se ₃ under high pressures. Physical Review B, 2011, 84, .	1.1	108
108	High-pressure vibrational and optical study of Bi ₂ Te ₃ . Physical Review B, 2011, 84, .	1.1	100

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109	Zircon to monazite phase transition in CeVO_4 by X-ray diffraction and Raman-scattering measurements. <i>Physical Review B</i> , 2011, 84, .	1.1	83
110	InN Thin Film Lattice Dynamics by Grazing Incidence Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2011, 106, 205501.	2.9	41
111	High-pressure study of ScVO_4 by Raman scattering and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2011, 83, .	1.1	54
112	Lattice dynamics of ZnAl_2O_4 and ZnGa_2O_4 under high pressure. <i>Annalen Der Physik</i> , 2011, 523, 157-167.	0.9	47
113	High-pressure theoretical and experimental study of HgWO_4 . <i>High Pressure Research</i> , 2011, 31, 58-63.	0.4	1
114	High-pressure Raman scattering in wurtzite indium nitride. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	16
115	Lattice dynamics of YVO_4 at high pressures. <i>Physical Review B</i> , 2010, 81, .	1.1	67
116	$\text{Zn}_{1-x}\text{Mg}_x\text{O}$ thin films deposited by spray pyrolysis. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2306-2310.	0.8	8
117	Nonlinear pressure dependence of the direct band gap in adamantane ordered-vacancy compounds. <i>Physical Review B</i> , 2010, 81, .	1.1	27
118	High-pressure structural phase transitions in CuWO_4 . <i>Physical Review B</i> , 2010, 81, .	1.1	67
119	Electronic structure of wurtzite and rocksalt InN investigated by optical absorption under hydrostatic pressure. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	12
120	High-pressure structural and lattice dynamical study of HgWO_4 . <i>Physical Review B</i> , 2010, 82, .	1.1	11
121	Theoretical and experimental study of the structural stability of TbPO_4 at high pressures. <i>Physical Review B</i> , 2010, 81, .	1.1	46
122	Phonon dispersion relations of zinc oxide: Inelastic neutron scattering and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2010, 81, .	1.1	85
123	Negative pressures in CaWO_4 nanocrystals. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	14
124	On the ferroelastic nature of the scheelite-to-fergusonite phase transition in orthotungstates and orthomolybdates. <i>Materials Research Bulletin</i> , 2009, 44, 807-811.	2.7	54
125	Pressure-induced structural phase transitions in materials and earth sciences. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 9-31.	0.7	83
126	Effect of annealing on $\text{Zn}_{1-x}\text{Co}_x\text{O}$ thin films prepared by electrodeposition. <i>Microelectronics Journal</i> , 2009, 40, 268-271.	1.1	15

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127	Post-spinel transformations and equation of state in $ZnGa_2$. Determination at high pressure by <i>in situ</i> x-ray diffraction. <i>Physical Review B</i> , 2009, 79, .	1.1	77
128	Cathodic electrodeposition of ZnCoO thin films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3358-3360.	0.8	6
129	Pressure effects on the structural and electronic properties of ABX ₄ scintillating crystals. <i>Progress in Materials Science</i> , 2008, 53, 711-773.	16.0	316
130	Growth, characterization, and high-pressure optical studies of CuWO ₄ . <i>High Pressure Research</i> , 2008, 28, 565-570.	0.4	67
131	High-pressure x-ray diffraction study on the structure and phase transitions of the defect-stannite ZnGa ₂ Se ₄ and defect-chalcopyrite CdGa ₂ S ₄ . <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	58
132	Combined Raman scattering and <i>ab initio</i> investigation of pressure-induced structural phase transitions in the scintillator ZnWO ₄ . <i>Physical Review B</i> , 2008, 78, .	1.1	83
133	High-pressure effects on the optical-absorption edge of CdIn ₂ S ₄ , MgIn ₂ S ₄ , and MnIn ₂ S ₄ thiospinels. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	51
134	Lattice dynamics of wurtzite and rocksalt AlN under high pressure: Effect of compression on the crystal anisotropy of wurtzite-type semiconductors. <i>Physical Review B</i> , 2008, 77, .	1.1	61
135	Transport measurements under pressure in III-V layered semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 162-168.	0.7	10
136	Effect of pressure on the Raman scattering of wurtzite AlN. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 42-47.	0.7	11
137	Structural and optical high-pressure study of spinel-type MnIn ₂ S ₄ . <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 229-233.	0.7	14
138	Crystal stability and pressure-induced phase transitions in scheelite AWO ₄ (A = Ca, Sr, Ba, Pb, Eu) binary oxides. I: A review of recent <i>ab initio</i> calculations, ADXRD, XANES, and Raman studies. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 325-330.	0.7	31
139	Crystal stability and pressure-induced phase transitions in scheelite AWO ₄ (A = Ca, Sr, Ba, Pb, Eu) binary oxides. II: Towards a systematic understanding. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 295-302.	0.7	34
140	The phonon dispersion of wurtzite-ZnO revisited. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1478-1482.	0.7	17
141	Effect of thermal annealing on ZnO:Al thin films grown by spray pyrolysis. <i>Superlattices and Microstructures</i> , 2007, 42, 134-139.	1.4	38
142	Determination of the high-pressure crystal structure of BaWO ₄ and PbWO ₄ . <i>Physical Review B</i> , 2006, 73, .	1.1	95
143	Photoluminescence of thermal-annealed nanocolumnar ZnO thin films grown by electrodeposition. <i>Applied Surface Science</i> , 2006, 252, 2826-2831.	3.1	43
144	Theoretical and experimental study of CaWO ₄ and SrWO ₄ under pressure. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 2164-2171.	1.9	24

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145	Theoretical study of the scheelite-to-fergusonite phase transition in YLiF ₄ under pressure. Journal of Physics and Chemistry of Solids, 2006, 67, 2077-2082.	1.9	3
146	Effect of aluminium doping on zinc oxide thin films grown by spray pyrolysis. Superlattices and Microstructures, 2006, 39, 185-192.	1.4	123
147	Lattice dynamics study of scheelite tungstates under high pressure I. BaWO ₄ . Physical Review B, 2006, 74, .	1.1	91
148	Theoretical study of the YLiF ₄ phase transitions under pressure. Physical Review B, 2006, 73, .	1.1	13
149	Lattice dynamics study of scheelite tungstates under high pressure II. PbWO ₄ . Physical Review B, 2006, 74, .	1.1	50
150	Optical properties of wurtzite and rock-salt ZnO under pressure. Microelectronics Journal, 2005, 36, 928-932.	1.1	44
151	Effect of isotopic mass on the photoluminescence spectra of ⁶⁷ Zn zinc sulfide. Solid State Communications, 2005, 133, 253-258.	0.9	7
152	Raman measurements on nanocolumnar ZnO crystals. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1602-1605.	0.8	10
153	High-pressure structural study of the scheelite tungstates CaWO ₄ and SrWO ₄ . Physical Review B, 2005, 72, .	1.1	159
154	Crystal symmetry and pressure effects on the valence band structure of ¹³ InSe and ⁶⁷ Zn-GaSe: Transport measurements and electronic structure calculations. Physical Review B, 2005, 71, .	1.1	65
155	Silent Raman modes in zinc oxide and related nitrides. Journal of Applied Physics, 2005, 97, 053516.	1.1	340
156	Band structure of indium selenide investigated by intrinsic photoluminescence under high pressure. Physical Review B, 2004, 70, .	1.1	35
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