

Francisco J Manjón

List of Publications by Year in descending order

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185
papers

6,829
citations

53794

45
h-index

79698

73
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189
all docs

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, .	3.2	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.	7.9	14
3	Metavalent bonding in chalcogenides: DFT-chemical pressure approach. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9936-9942.	2.8	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.	6.7	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.	5.5	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.	2.8	8
7	Structural and vibrational study of $\hat{\Gamma}^2$ -Zn ₂ S ₃ under high-pressure experiments and density functional theory. <i>Physical Review B</i> , 2021, 103, .	3.2	19
8	GdBO3 and YBO3 crystals under compression. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158962.	5.5	3
9	$\hat{\Gamma}^2$ -In ₂ S ₃ : Pressure-induced three-dimensional Dirac semimetal with ultralow room-pressure lattice thermal conductivity. <i>Physical Review B</i> , 2021, 104, .	3.2	7
10	Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO ₃) ₂ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 17448-17461.	3.1	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.	3.3	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.	2.8	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.	2.0	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.	5.5	18
15	Orpiment under compression: metavalent bonding at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3352-3369.	2.8	20
16	Experimental and Theoretical Study of SbPO ₄ under Compression. <i>Inorganic Chemistry</i> , 2020, 59, 287-307.	4.0	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.	3.1	21
18	High-pressure characterization of multifunctional CrVO ₄ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 385403.	1.8	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.	4.0	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.	4.0	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.	3.5	24
22	Borates or phosphates? That is the question. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 197-205.	0.1	2
23	Structural Characterization of Auophilic Gold(I) Iodide under High Pressure. <i>Inorganic Chemistry</i> , 2019, 58, 10665-10670.	4.0	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.	1.9	15
25	Vibrational properties of CdGa_2S_4 at high pressure. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	7
26	Pressure-Induced Phase Transitions in Sesquioxides. <i>Crystals</i> , 2019, 9, 630.	2.2	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.	4.0	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.	3.1	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.	1.8	28
30	Lattice dynamics study of cubic Tb_2O_3 . <i>Journal of Raman Spectroscopy</i> , 2018, 49, 2021-2027.	2.5	15
31	Experimental and Theoretical Studies on In_2Se_3 at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 8241-8252.	4.0	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.	3.1	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.	2.6	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.	3.1	13
36	High-pressure lattice-dynamics of NdVO_4 . <i>Journal of Physics and Chemistry of Solids</i> , 2017, 100, 126-133.	4.0	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.	0.4	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.	4.0	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, .	2.5	8
41	Structural, Vibrational, and Electronic Study of Sb ₂ S ₃ at High Pressure. Journal of Physical Chemistry C, 2016, 120, 10547-10558.	3.1	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.	3.1	37
43	Structural, vibrational, and electrical study of compressed BiTeBr. Physical Review B, 2016, 93, .	3.2	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	3.2	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.	3.2	16
46	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.	1.9	20
47	Arsenolite: a quasi-hydrostatic solid pressure-transmitting medium. Journal of Physics Condensed Matter, 2016, 28, 475403.	1.8	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, , .	0.4	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.	5.5	28
50	Pressure-induced amorphization of YVO ₄ :Eu ³⁺ nanoboxes. Nanotechnology, 2016, 27, 025701.	2.6	19
51	SMARTPHONE FOR TEACHING EXPERIMENTAL PHYSICS. , 2016, , .		0
52	High pressure phase transitions in NdVO ₄ . AIP Conference Proceedings, 2015, , .	0.4	9
53	HgGa ₂ Se ₄ under high pressure: An optical absorption study. Physica Status Solidi (B): Basic Research, 2015, 252, 2043-2051.	1.5	13
54	Synthesis and High-Pressure Study of Corundum-Type In ₂ O ₃ . Journal of Physical Chemistry C, 2015, 119, 29076-29087.	3.1	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.	1.8	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.	4.0	23
57	Crystal Structure of Sinhalite MgAlBO_4 under High Pressure. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6777-6784.	3.1	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.	2.8	17
59	Chemical pressure effects on the spectroscopic properties of Nd^{3+} -doped gallium nano-garnets. <i>Optical Materials Express</i> , 2015, 5, 1661.	3.0	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.	0.5	20
61	High-pressure structural and elastic properties of Ti_2O_3 . <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	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.	2.5	22
63	Structural and Vibrational Study of Pseudocubic CdIn_2Se_4 under Compression. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26987-26999.	3.1	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.	5.5	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.	2.4	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.	3.1	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.	3.1	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.	3.1	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.	3.1	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.	1.8	21
71	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13177-13185.	3.1	33
72	Effect of pressure on La_2WO_4 with a modulated scheelite-type structure. <i>Physical Review B</i> , 2014, 89, .	3.2	9

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73	AB_2S_4 Ordered-Vacancy Compounds at High Pressures. Springer Series in Materials Science, 2014, , 133-161.	0.6	2
74	AB_2Se_4 Ordered-Vacancy Compounds at High Pressures. Springer Series in Materials Science, 2014, , 163-184.	0.6	5
75	Lattice Dynamics Study of HgGa_2Se_4 at High Pressures. Journal of Physical Chemistry C, 2013, 117, 15773-15781.	3.1	21
76	Experimental and theoretical investigations on the polymorphism and metastability of BiPO_4 . Dalton Transactions, 2013, 42, 14999.	3.3	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, .	2.5	37
78	High-pressure Raman scattering study of defect chalcopyrite and defect stannite ZnGa_2Se_4 . Journal of Applied Physics, 2013, 113, 233501.	2.5	17
79	Vibrational study of HgGa_2S_4 under high pressure. Journal of Applied Physics, 2013, 113, .	2.5	23
80	High-pressure lattice dynamics in wurtzite and rocksalt indium nitride investigated by means of Raman spectroscopy. Physical Review B, 2013, 88, .	3.2	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.	1.8	12
82	Structural study of Bi_2O_3 under pressure. Journal of Physics Condensed Matter, 2013, 25, 475402.	1.8	42
83	Crystal structure of HgGa_2Se_4 under compression. Materials Research Bulletin, 2013, 48, 2128-2133.	5.2	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.	5.5	45
85	Enhanced Hydrothermal Resistance of ZrO_2 Ceramics Through Colloidal Processing. Journal of the American Ceramic Society, 2013, 96, 1070-1076.	3.8	17
86	Order-disorder processes in adamantane ternary ordered vacancy compounds. Physica Status Solidi (B): Basic Research, 2013, 250, 1496-1504.	1.5	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.	2.5	19
88	Phase Behavior of Ag_2CrO_4 under Compression: Structural, Vibrational, and Optical Properties. Journal of Physical Chemistry C, 2013, 117, 12239-12248.	3.1	23
89	Synthesis of a Novel Zeolite through a Pressure-Induced Reconstructive Phase Transition Process. Angewandte Chemie - International Edition, 2013, 52, 10458-10462.	13.8	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.	1.5	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, .	2.5	28
92	Oscillations studied with the smartphone ambient light sensor. European Journal of Physics, 2013, 34, 1349-1354.	0.6	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, .	2.5	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, .	3.2	29
96	High-pressure lattice dynamical study of bulk and nanocrystalline In ₂ O ₃ . Journal of Applied Physics, 2012, 112, .	2.5	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, .	3.2	8
98	Raman scattering study of bulk and nanocrystalline PbMoO ₄ at high pressures. Journal of Applied Physics, 2012, 112, 103510.	2.5	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, .	2.5	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.	3.1	44
102	Effects of high-pressure on the structural, vibrational, and electronic properties of monazite-type PbCrO ₄ . Physical Review B, 2012, 85, .	3.2	63
103	Structural and vibrational study of cubic Sb ₂ O ₃ under high pressure. Physical Review B, 2012, 85, .	3.2	71
104	ZnO-based spinels grown by electrodeposition. Journal of Physics and Chemistry of Solids, 2012, 73, 1111-1115.	4.0	48
105	High-pressure Raman spectroscopy and lattice-dynamics calculations on scintillating MgWO ₄ : Comparison	3.2	78
106	Structural and vibrational study of Bi ₂ Se ₃ : Comparison	3.2	138
107	Lattice dynamics on Bi ₂ Se ₃ under high pressures. Physical Review B, 2011, 84, .	3.2	108
108	High-pressure vibrational and optical study of Bi ₂ Te ₃ . Physical Review B, 2011, 84, .	3.2	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, .	3.2	83
110	InN Thin Film Lattice Dynamics by Grazing Incidence Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2011, 106, 205501.	7.8	41
111	High-pressure study of ScVO_4 by Raman scattering and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2011, 83, .	3.2	54
112	Lattice dynamics of ZnAl_2O_4 and ZnGa_2O_4 under high pressure. <i>Annalen Der Physik</i> , 2011, 523, 157-167.	2.4	47
113	High-pressure theoretical and experimental study of HgWO_4 . <i>High Pressure Research</i> , 2011, 31, 58-63.	1.2	1
114	High-pressure Raman scattering in wurtzite indium nitride. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	16
115	Lattice dynamics of YVO_4 at high pressures. <i>Physical Review B</i> , 2010, 81, .	3.2	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, .	3.2	27
118	High-pressure structural phase transitions in CuWO_4 . <i>Physical Review B</i> , 2010, 81, .	3.2	67
119	Electronic structure of wurtzite and rocksalt InN investigated by optical absorption under hydrostatic pressure. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	12
120	High-pressure structural and lattice dynamical study of HgWO_4 . <i>Physical Review B</i> , 2010, 82, .	3.2	11
121	Theoretical and experimental study of the structural stability of TbPO_4 at high pressures. <i>Physical Review B</i> , 2010, 81, .	3.2	46
122	Phonon dispersion relations of zinc oxide: Inelastic neutron scattering and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2010, 81, .	3.2	85
123	Negative pressures in CaWO_4 nanocrystals. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	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.	5.2	54
125	Pressure-induced structural phase transitions in materials and earth sciences. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 9-31.	1.5	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.	2.0	15

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127	Post-spinel transformations and equation of state in $ZnGa_2O_4$. Determination at high pressure by <i>in situ</i> x-ray diffraction. <i>Physical Review B</i> , 2009, 79, .	3.2	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.	32.8	316
130	Growth, characterization, and high-pressure optical studies of CuWO ₄ . <i>High Pressure Research</i> , 2008, 28, 565-570.	1.2	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, .	2.5	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, .	3.2	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, .	2.5	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, .	3.2	61
135	Transport measurements under pressure in III-IV layered semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 162-168.	1.5	10
136	Effect of pressure on the Raman scattering of wurtzite AlN. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 42-47.	1.5	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.	1.5	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.	1.5	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.	1.5	34
140	The phonon dispersion of wurtzite-ZnO revisited. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1478-1482.	1.5	17
141	Effect of thermal annealing on ZnO:Al thin films grown by spray pyrolysis. <i>Superlattices and Microstructures</i> , 2007, 42, 134-139.	3.1	38
142	Determination of the high-pressure crystal structure of BaWO ₄ and PbWO ₄ . <i>Physical Review B</i> , 2006, 73, .	3.2	95
143	Photoluminescence of thermal-annealed nanocolumnar ZnO thin films grown by electrodeposition. <i>Applied Surface Science</i> , 2006, 252, 2826-2831.	6.1	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.	4.0	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.	4.0	3
146	Effect of aluminium doping on zinc oxide thin films grown by spray pyrolysis. Superlattices and Microstructures, 2006, 39, 185-192.	3.1	123
147	Lattice dynamics study of scheelite tungstates under high pressure I. BaWO ₄ . Physical Review B, 2006, 74, .	3.2	91
148	Theoretical study of the YLiF ₄ phase transitions under pressure. Physical Review B, 2006, 73, .	3.2	13
149	Lattice dynamics study of scheelite tungstates under high pressure II. PbWO ₄ . Physical Review B, 2006, 74, .	3.2	50
150	Optical properties of wurtzite and rock-salt ZnO under pressure. Microelectronics Journal, 2005, 36, 928-932.	2.0	44
151	Effect of isotopic mass on the photoluminescence spectra of ⁶⁷ Zn zinc sulfide. Solid State Communications, 2005, 133, 253-258.	1.9	7
152	Raman measurements on nanocolumnar ZnO crystals. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1602-1605.	1.8	10
153	High-pressure structural study of the scheelite tungstates CaWO ₄ and SrWO ₄ . Physical Review B, 2005, 72, .	3.2	159
154	Crystal symmetry and pressure effects on the valence band structure of ¹³ InSe and ¹⁵¹ µ-GaSe: Transport measurements and electronic structure calculations. Physical Review B, 2005, 71, .	3.2	65
155	Silent Raman modes in zinc oxide and related nitrides. Journal of Applied Physics, 2005, 97, 053516.	2.5	340
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