

# Alfredo Segura

## List of Publications by Year in descending order

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222  
papers

7,455  
citations

43973

48  
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76769

74  
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230  
all docs

230  
docs citations

230  
times ranked

6921  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical absorption of divalent metal tungstates: Correlation between the band-gap energy and the cation ionic radius. <i>Europhysics Letters</i> , 2008, 83, 37002.	0.7	275
2	Photoconductivity and photovoltaic effect in indium selenide. <i>Journal of Applied Physics</i> , 1983, 54, 876-888.	1.1	180
3	Electronic structure, optical properties, and lattice dynamics in atomically thin indium selenide flakes. <i>Nano Research</i> , 2014, 7, 1556-1568.	5.8	160
4	High-pressure structural study of the scheelite tungstates $\text{CaWO}_4$ and $\text{SrWO}_4$ . <i>Physical Review B</i> , 2005, 72, .	1.1	159
5	Optical properties and electronic structure of rock-salt ZnO under pressure. <i>Applied Physics Letters</i> , 2003, 83, 278-280.	1.5	158
6	Nanotexturing To Enhance Photoluminescent Response of Atomically Thin Indium Selenide with Highly Tunable Band Gap. <i>Nano Letters</i> , 2016, 16, 3221-3229.	4.5	155
7	The electronic structure of zircon-type orthovanadates: Effects of high-pressure and cation substitution. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	151
8	Structural and vibrational study of $\text{Bi}_2\text{Se}_3$ under high pressure. <i>Physical Review B</i> , 2011, 84, .	1.1	138
9	Electron scattering mechanisms in-type indium selenide. <i>Physical Review B</i> , 1984, 29, 5708-5717.	1.1	137
10	Pressure-Induced Magnetic Switching and Linkage Isomerism in $\text{K}_0.4\text{Fe}_4[\text{Cr}(\text{CN})_6]_2 \cdot 8\text{H}_2\text{O}$ : X-ray Absorption and Magnetic Circular Dichroism Studies. <i>Journal of the American Chemical Society</i> , 2008, 130, 15519-15532.	6.6	121
11	Electrical and photovoltaic properties of indium selenide/ $\text{p-Si}$ /Au solar cells. <i>Journal of Applied Physics</i> , 1987, 62, 1477-1483.	1.1	118
12	Chemical effects on the optical band-gap of heavily doped $\text{ZnO}$ .		

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19	High-pressure structural investigation of several zircon-type orthovanadates. <i>Physical Review B</i> , 2009, 79, .	1.1	90
20	Thin film growth and band lineup of In <sub>2</sub> O <sub>3</sub> on the layered semiconductor InSe. <i>Journal of Applied Physics</i> , 1999, 86, 5687-5691.	1.1	86
21	On the band gap of CuAlO <sub>2</sub> delafossite. <i>Applied Physics Letters</i> , 2006, 88, 181904.	1.5	86
22	A combined high-pressure experimental and theoretical study of the electronic band-structure of scheelite-type AWO <sub>4</sub> (A=Ca, Sr, Ba, Pb) compounds. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	81
23	High-pressure studies of topological insulators Bi <sub>2</sub> Se <sub>3</sub> , Bi <sub>2</sub> Te <sub>3</sub> , and Sb <sub>2</sub> Te <sub>3</sub> . <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 669-676.	0.7	77
24	Optical properties of thin films of ZnO prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2004, 453-454, 251-255.	0.8	76
25	Vibrational properties of delafossite CuGaO <sub>2</sub> at ambient and high pressures. <i>Physical Review B</i> , 2005, 72, .	1.1	74
26	Experimental and theoretical study of band structure of InSe and In <sub>1-x</sub> Ga <sub>x</sub> Se (x<0.2) under high pressure: Direct to indirect crossovers. <i>Physical Review B</i> , 2001, 63, .	1.1	73
27	Photovoltaic efficiency of InSe solar cells. <i>Solar Energy Materials and Solar Cells</i> , 1979, 2, 159-165.	0.4	72
28	High-pressure study of the behavior of mineral barite by x-ray diffraction. <i>Physical Review B</i> , 2011, 84, .	1.1	71
29	Band gap of corundumlike $\text{O}^{\pm}$ determined by absorption and ellipsometry. <i>Physical Review Materials</i> , 2017, 1, .	0.9	71
30	Investigation of impurity levels in n-type indium selenide by means of Hall effect and deep level transient spectroscopy. <i>Applied Physics A: Solids and Surfaces</i> , 1983, 31, 139-145.	1.4	69
31	Fibre Bragg gratings tuned and chirped using magnetic fields. <i>Electronics Letters</i> , 1997, 33, 235.	0.5	69
32	Effects of high pressure on the optical absorption spectrum of scintillating PbWO <sub>4</sub> crystals. <i>Applied Physics Letters</i> , 2006, 89, 091913.	1.5	69
33	Growth, characterization, and high-pressure optical studies of CuWO <sub>4</sub> . <i>High Pressure Research</i> , 2008, 28, 565-570.	0.4	67
34	High-pressure structural phase transitions in CuWO <sub>4</sub> . <i>Physical Review B</i> , 2010, 81, .	1.1	67
35	High-pressure phase transitions and compressibility of wolframite-type tungstates. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	66
36	Crystal symmetry and pressure effects on the valence band structure of $\beta$ -InSe and $\mu$ -GaSe: Transport measurements and electronic structure calculations. <i>Physical Review B</i> , 2005, 71, .	1.1	65

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37	Structural evolution of the CuGaO <sub>2</sub> delafossite under high pressure. <i>Physical Review B</i> , 2004, 69, .	1.1	64
38	Three-dimensional electrons and two-dimensional electric subbands in the transport properties of tin-doped n-type indium selenide: Polar and homopolar phonon scattering. <i>Physical Review B</i> , 1991, 43, 4953-4965.	1.1	61
39	Natural optical anisotropy of h-BN: Highest giant birefringence in a bulk crystal through the mid-infrared to ultraviolet range. <i>Physical Review Materials</i> , 2018, 2, .	0.9	61
40	Tuning the band gap of PbCrO <sub>4</sub> through high-pressure: Evidence of wide-to-narrow semiconductor transitions. <i>Journal of Alloys and Compounds</i> , 2014, 587, 14-20.	2.8	60
41	Photovoltaic effect in InSe - Application to Solar Energy Conversion. <i>Revue De Physique Appliquée</i> , 1979, 14, 253-257.	0.4	59
42	Optical and photovoltaic properties of indium selenide thin films prepared by van der Waals epitaxy. <i>Journal of Applied Physics</i> , 2001, 90, 2818-2823.	1.1	59
43	High conductivity of Ga-doped rock-salt ZnO under pressure: Hint on deep-ultraviolet-transparent conducting oxides. <i>Applied Physics Letters</i> , 2006, 88, 011910.	1.5	59
44	Investigation of conduction-band structure, electron-scattering mechanisms, and phase transitions in indium selenide by means of transport measurements under pressure. <i>Physical Review B</i> , 1997, 55, 16217-16225.	1.1	58
45	Structure Solution of the High-Pressure Phase of CuWO <sub>4</sub> and Evolution of the Jahn-Teller Distortion. <i>Chemistry of Materials</i> , 2011, 23, 4220-4226.	3.2	55
46	Hall-effect and resistivity measurements in CdTe and ZnTe at high pressure: Electronic structure of impurities in the zinc-blende phase and the semimetallic or metallic character of the high-pressure phases. <i>Physical Review B</i> , 2009, 79, .	1.1	54
47	Photovoltaic properties of GaSe and InSe junctions. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1977, 38, 345-351.	0.2	52
48	High-pressure effects on the optical-absorption edge of CdIn <sub>2</sub> S <sub>4</sub> , MgIn <sub>2</sub> S <sub>4</sub> , and MnIn <sub>2</sub> S <sub>4</sub> thiospinels. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	51
49	Transport properties of bismuth sulfide single crystals. <i>Physical Review B</i> , 1987, 35, 9586-9590.	1.1	49
50	Anomalous High-Pressure Jahn-Teller Behavior in $\text{CuWO}_4$ . <i>Physical Review Letters</i> , 2012, 108, 166402.	2.9	48
51	High-pressure optical and vibrational properties of CdGa <sub>2</sub> Se <sub>4</sub> : Order-disorder processes in adamantine compounds. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	46
52	Experimental and Theoretical Study of Bi <sub>2</sub> O <sub>2</sub> Se Under Compression. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8853-8867.	1.5	46
53	Experimental and Theoretical Studies on $\text{In}_2\text{Se}_3$ at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 8241-8252.	1.9	46
54	Acceptor levels in indium selenide. An investigation by means of the Hall effect, deep-level-transient spectroscopy and photoluminescence. <i>Applied Physics A: Solids and Surfaces</i> , 1987, 44, 249-260.	1.4	45

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55	Effects of pressure and temperature on the dielectric constant of GaS, GaSe, and InSe: Role of the electronic contribution. <i>Physical Review B</i> , 1999, 60, 15866-15874.	1.1	45
56	Synthesis of a Novel Zeolite through a Pressure-Induced Reconstructive Phase Transition Process. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10458-10462.	7.2	45
57	Peptide metal-organic frameworks under pressure: flexible linkers for cooperative compression. <i>Dalton Transactions</i> , 2018, 47, 10654-10659.	1.6	45
58	Optical properties of wurtzite and rock-salt ZnO under pressure. <i>Microelectronics Journal</i> , 2005, 36, 928-932.	1.1	44
59	Correlation between optical and transport properties of Ga-doped ZnO thin films prepared by pulsed laser deposition. <i>Superlattices and Microstructures</i> , 2006, 39, 282-290.	1.4	42
60	Role of $p$ and $d$ and $s$ $\rightarrow$ $d$ transitions in the optical absorption of Ga-doped ZnO thin films. <i>Physical Review B</i> , 2006, 73, 045111.	1.1	41
61	High-pressure electronic structure and phase transitions in monoclinic InSe: X-ray diffraction, Raman spectroscopy, and density functional theory. <i>Physical Review B</i> , 2008, 77, .	1.1	40
62	Temperature and pressure dependence of the optical absorption in hexagonal MnTe. <i>Physical Review B</i> , 2000, 61, 13679-13686.	1.1	39
63	Angle-resolved photoemission study and first-principles calculation of the electronic structure of GaTe. <i>Physical Review B</i> , 2002, 65, .	1.1	38
64	High-pressure, high-temperature phase diagram of InSe: A comprehensive study of the electronic and structural properties of the monoclinic phase of InSe under high pressure. <i>Physical Review B</i> , 2006, 73, .	1.1	37
65	The effect of quantum size confinement on the optical properties of PbSe nanocrystals as a function of temperature and hydrostatic pressure. <i>Nanotechnology</i> , 2013, 24, 205701.	1.3	37
66	Shallow-donor impurities in indium selenide investigated by means of far-infrared spectroscopy. <i>Physical Review B</i> , 1992, 46, 4607-4616.	1.1	36
67	High-pressure x-ray-absorption study of GaSe. <i>Physical Review B</i> , 2002, 65, .	1.1	36
68	Tin-related double acceptors in gallium selenide single crystals. <i>Journal of Applied Physics</i> , 1998, 83, 4750-4755.	1.1	35
69	Cinnabar phase in ZnSe at high pressure. <i>Physical Review B</i> , 2001, 65, .	1.1	35
70	Band structure of indium selenide investigated by intrinsic photoluminescence under high pressure. <i>Physical Review B</i> , 2004, 70, .	1.1	35
71	Electronic structure of CuAlO <sub>2</sub> and CuScO <sub>2</sub> delafossites under pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 309-314.	0.7	35
72	Crystal stability and pressure-induced phase transitions in scheelite AWO <sub>4</sub> (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

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73	High-pressure electrical transport measurements on p-type GaSe and InSe. High Pressure Research, 2006, 26, 513-516.	0.4	33
74	Anisotropy of the refractive index and absorption coefficient in the layer plane of gallium telluride single crystals. Physica Status Solidi A, 1995, 151, 257-265.	1.7	32
75	X-ray absorption of Zn <sub>1-x</sub> CoxO thin films: A local structure study. Applied Physics Letters, 2006, 89, 061906.	1.5	32
76	Current underestimation of the optical gap and Burstein-Moss shift in CdO thin films: A consequence of extended misuse of $\epsilon_2$ -versus- $h\nu/2$ plots. Applied Physics Letters, 2011, 99, 151907.	1.5	32
77	Crystal stability and pressure-induced phase transitions in scheelite AWO <sub>4</sub> (A = Ca, Sr, Ba, Pb, Eu) binary oxides. I: A review of recent ab initio calculations, ADXRD, XANES, and Raman studies. Physica Status Solidi (B): Basic Research, 2007, 244, 325-330.	0.7	31
78	Layered Indium Selenide under High Pressure: A Review. Crystals, 2018, 8, 206.	1.0	31
79	Characterization and Decomposition of the Natural van der Waals SnSb <sub>2</sub> Te <sub>4</sub> under Compression. Inorganic Chemistry, 2020, 59, 9900-9918.	1.9	31
80	High-pressure x-ray absorption study of InSe. Physical Review B, 1999, 60, 3757-3763.	1.1	30
81	Monazite-type $SrCrO_4$ under compression. Physical Review B, 2016, 94, .	1.1	30
82	Low-temperature synthesis, structure and magnetoresistance of submicrometric La <sub>x</sub> KxMnO <sub>3</sub> + $\delta$ perovskites. Journal of Materials Chemistry, 1997, 7, 1905-1909.	6.7	29
83	Photovoltaic properties of indium selenide thin films prepared by van der Waals epitaxy. Thin Solid Films, 1997, 307, 283-287.	0.8	29
84	Trapping of three-dimensional electrons and transition to two-dimensional transport in the three-dimensional topological insulator Bi <sub>2</sub> Se <sub>3</sub> . Physical Review B, 2012, 85, .	1.1	29
85	High-pressure synthesis and structural stability of layered $AB_2X_4$ compounds. Physical Review B, 2016, 93, .	1.1	29
86	Compressibility and Structural Stability of Nanocrystalline TiO <sub>2</sub> Anatase Synthesized from Freeze-Dried Precursors. Inorganic Chemistry, 2014, 53, 11598-11603.	1.9	28
87	Nonlinear pressure dependence of the direct band gap in adamantane ordered-vacancy compounds. Physical Review B, 2010, 81, .	1.1	27
88	Pbca-Type In <sub>2</sub> O <sub>3</sub> : The High-Pressure Post-Corundum phase at Room Temperature.. Journal of Physical Chemistry C, 2014, 118, 20545-20552.	1.5	27
89	Optical absorption edge of GaS under hydrostatic pressure. Journal of Physics and Chemistry of Solids, 1978, 39, 25-28.	1.9	26
90	Specific features of the electronic structure of III <sup>A</sup> VI layered semiconductors: recent results on structural and optical measurements under pressure and electronic structure calculations. Physica Status Solidi (B): Basic Research, 2003, 235, 267-276.	0.7	26

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91	Thermal instability of electrically active centers in heavily Ga-doped ZnO thin films: X-ray absorption study of the Ga-site configuration. Applied Physics Letters, 2007, 91, 221904.	1.5	26
92	Electronic structure of indium selenide probed by magnetoabsorption spectroscopy under high pressure. Physical Review B, 2010, 81, .	1.1	26
93	Structural, vibrational, and electrical study of compressed BiTeBr. Physical Review B, 2016, 93, .	1.1	25
94	Investigation of nitrogen-related acceptor centers in indium selenide by means of photoluminescence: Determination of the hole effective mass. Physical Review B, 1997, 55, 6981-6987.	1.1	24
95	Growth and characterisation of MnTe crystals. Journal of Crystal Growth, 2001, 223, 349-356.	0.7	24
96	Theoretical and experimental study of CaWO <sub>4</sub> and SrWO <sub>4</sub> under pressure. Journal of Physics and Chemistry of Solids, 2006, 67, 2164-2171.	1.9	24
97	Investigation on the Luminescence Properties of InMO <sub>4</sub> (M = V <sup>5+</sup> , Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Earth Ions. ACS Omega, 2020, 5, 2148-2158.	1.6	24
98	X-ray-absorption fine-structure study of ZnSexTe1- <sup>x</sup> alloys. Journal of Applied Physics, 2004, 96, 1491-1498.	1.1	23
99	High-pressure study of substrate material ScAlMgO <sub>4</sub> . Physical Review B, 2011, 83, .	1.1	23
100	Optical and structural study of the pressure-induced phase transition of CdWO <sub>4</sub> . Physical Review B, 2017, 95, .	1.1	23
101	Precursor effects of the Rhombohedral-to-Cubic Phase Transition in Indium Selenide. High Pressure Research, 2002, 22, 261-266.	0.4	22
102	Tin-related shallow donor in indium selenide. Applied Physics A: Solids and Surfaces, 1988, 46, 125-129.	1.4	20
103	Procedures for synthesis of single-phase 2212 bismuth material. Journal of the Less Common Metals, 1989, 150, 247-251.	0.9	20
104	Crystal fibers of Bi-Sr-Ca-Cu-O materials grown by the laser floating zone method. Journal of the Less Common Metals, 1989, 150, 253-260.	0.9	20
105	Direct to Indirect Crossover in III-VI Layered Compounds and Alloys under Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 33-38.	0.7	20
106	Light-induced transmission nonlinearities in gallium selenide. Journal of Applied Physics, 1999, 85, 3780-3785.	1.1	20
107	Local environment of a diluted element under high pressure: Zn <sup>x</sup> MnxO probed by fluorescence x-ray absorption spectroscopy. Applied Physics Letters, 2006, 89, 231904.	1.5	20
108	Metastable structural transformations and pressure-induced amorphization in natural (Mg,Fe) <sub>2</sub> SiO <sub>4</sub> olivine under static compression: A Raman spectroscopic study. American Mineralogist, 2016, 101, 1642-1650.	0.9	20



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109	Carrier scattering mechanisms in P-type indium selenide. <i>Applied Physics A: Solids and Surfaces</i> , 1989, 48, 445-450.	1.4	19
110	Photoluminescence in ZnO:Co <sup>2+</sup> (0.01%–5%) Nanoparticles, Nanowires, Thin Films, and Single Crystals as a Function of Pressure and Temperature: Exploring Electron–Phonon Interactions. <i>Chemistry of Materials</i> , 2014, 26, 1100-1107.	3.2	19
111	Pressure-induced amorphization of YVO <sub>4</sub> :Eu <sup>3+</sup> nanoboxes. <i>Nanotechnology</i> , 2016, 27, 025701.	1.3	19
112	High-Pressure Softening of the Out-of-Plane A <sub>2u</sub> (Transverse-Optic) Mode of Hexagonal Boron Nitride Induced by Dynamical Buckling. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17491-17497.	1.5	19
113	Optical and electronic properties of 2H $\alpha$ MoS <sub>2</sub> under pressure: Revealing the spin-polarized nature of bulk electronic bands. <i>Physical Review Materials</i> , 2018, 2, .	0.9	19
114	Optical absorption in GaTe under high pressure. <i>Physical Review B</i> , 1999, 60, 8871-8877.	1.1	18
115	Refractive index of the CuAlO <sub>2</sub> delafossite. <i>Semiconductor Science and Technology</i> , 2009, 24, 015002.	1.0	18
116	Growth of manganese sulfide ( $\alpha$ -MnS) thin films by thermal vacuum evaporation: Structural, morphological and optical properties. <i>Materials Chemistry and Physics</i> , 2016, 181, 326-332.	2.0	18
117	Neutron irradiation defects in gallium sulfide: Optical absorption measurements. <i>Journal of Applied Physics</i> , 1997, 81, 6651-6656.	1.1	17
118	High-pressure x-ray absorption study of GaTe including polarization. <i>Physical Review B</i> , 2000, 61, 125-131.	1.1	17
119	Electronic structure of p-type ultraviolet-transparent conducting CuScO <sub>2</sub> films. <i>Thin Solid Films</i> , 2008, 516, 1431-1433.	0.8	17
120	Charge-transfer absorption band in Zn <sub>1-x</sub> MxO (M: Co, Mn) investigated by means of photoconductivity, Ga doping, and optical measurements under pressure. <i>Applied Physics Letters</i> , 2010, 96, 241902.	1.5	17
121	Optical absorption and Raman spectroscopy of CuWO <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , 2010, 215, 012048.	0.3	17
122	High-pressure lattice dynamics in wurtzite and rocksalt indium nitride investigated by means of Raman spectroscopy. <i>Physical Review B</i> , 2013, 88, .	1.1	17
123	Free Carrier Absorption in n-Type Indium Selenide. <i>Physica Status Solidi (B): Basic Research</i> , 1985, 130, 793-799.	0.7	16
124	Electrical properties of neutron-transmutation-doped InSe. <i>Applied Surface Science</i> , 1991, 50, 415-419.	3.1	16
125	Transport measurements in InSe under high pressure and high temperature: shallow-to-deep donor transformation of Sn related donor impurities. <i>Semiconductor Science and Technology</i> , 2003, 18, 241-246.	1.0	16
126	High-pressure Raman scattering in wurtzite indium nitride. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	16



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127	Transport properties of silicon doped n-indium selenide. Applied Physics A: Solids and Surfaces, 1992, 54, 428-430.	1.4	15
128	Large increase of the low-frequency dielectric constant of gallium sulfide under hydrostatic pressure. Physical Review B, 1994, 49, 4601-4604.	1.1	15
129	Optical properties and structural phase transitions in $Mg_xZn_{1-x}O$ under hydrostatic pressure. High Pressure Research, 2004, 24, 119-127.	0.4	15
130	Bond length compressibility in hard $ReB_2$ investigated by x-ray absorption under high pressure. Journal of Physics Condensed Matter, 2010, 22, 045701.	0.7	15
131	Electrical Conductivity Anisotropy in $Ti\delta$ -Doped n-Type Indium Selenide. Physica Status Solidi (B): Basic Research, 1988, 145, 261-268.	0.7	14
132	Pressure Dependence of the Low-Frequency Dielectric Constant in III-VI Semiconductors. Physica Status Solidi (B): Basic Research, 1999, 211, 201-206.	0.7	14
133	High-pressure phase diagram of $Zn_{1-x}Se_xTe$ alloys. Physical Review B, 2005, 71, .	1.1	14
134	Structural and optical high-pressure study of spinel-type $MnIn_2S_4$ . Physica Status Solidi (B): Basic Research, 2007, 244, 229-233.	0.7	14
135	Absence of ferromagnetism in single-phase wurtzite $Zn_{1-x}Mn_xO$ polycrystalline thin films. Journal of Applied Physics, 2010, 108, 073922.	1.1	14
136	XRD and XAS structural study of $CuAlO_2$ under high pressure. Journal of Physics Condensed Matter, 2013, 25, 115406.	0.7	14
137	Pressure dependence of the refractive index in wurtzite and rocksalt indium nitride. Applied Physics Letters, 2014, 105, .	1.5	14
138	Compressibility and structural behavior of pure and Fe-doped $SnO_2$ nanocrystals. Solid State Sciences, 2017, 64, 91-98.	1.5	14
139	Transport properties of nitrogen doped $\delta$ -gallium selenide single crystals. Journal of Applied Physics, 1996, 79, 204-208.	1.1	13
140	Pressure dependence of the refractive index in $InSe$ . Semiconductor Science and Technology, 2000, 15, 806-812.	1.0	13
141	Lattice dynamics of $CuAlO_2$ under high pressure from ab initio calculations. Physica Status Solidi (B): Basic Research, 2007, 244, 342-346.	0.7	13
142	Study of the bandgap renormalization in Ga-doped $ZnO$ films by means of optical absorption under high pressure and photoelectron spectroscopy. Superlattices and Microstructures, 2008, 43, 362-367.	1.4	13
143	$HgGa_2Se_4$ under high pressure: An optical absorption study. Physica Status Solidi (B): Basic Research, 2015, 252, 2043-2051.	0.7	13
144	Pressure-dependent modifications in the optical and electronic properties of $Fe(IO_3)_3$ : the role of Fe 3d and I 5p lone pair electrons. Inorganic Chemistry Frontiers, 2021, 8, 4780-4790.	3.0	13

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145	Temperature effects on the positron annihilation characteristics in III-VI layered semiconductors. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 971-976.	0.7	12
146	Photoluminescence in silicon-doped n-indium selenide. <i>Physica Status Solidi A</i> , 1994, 142, 265-274.	1.7	12
147	Investigation of acceptor levels and hole scattering mechanisms in p-gallium selenide by means of transport measurements under pressure. <i>High Pressure Research</i> , 1998, 16, 13-26.	0.4	12
148	Pressure and temperature dependence of the band-gap in CdTe. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 441-445.	0.7	12
149	Tetrahedral versus octahedral Mn site coordination in wurtzite and rocksalt $Zn_{1-x}Mn_xO$ investigated by means of XAS experiments under high pressure. <i>Superlattices and Microstructures</i> , 2007, 42, 251-254.	1.4	12
150	Optical, X-ray absorption and photoelectron spectroscopy investigation of the Co site configuration in $Zn_{1-x}Co_xO$ films prepared by pulsed laser deposition. <i>Superlattices and Microstructures</i> , 2007, 42, 226-230.	1.4	12
151	Electronic structure of wurtzite and rocksalt InN investigated by optical absorption under hydrostatic pressure. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	12
152	High-pressure study of the infrared active modes in wurtzite and rocksalt ZnO. <i>Physical Review B</i> , 2011, 84, .	1.1	12
153	Nonreversible Transition from the Hexagonal to Wurtzite Phase of Boron Nitride under High Pressure: Optical Properties of the Wurtzite Phase. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20167-20173.	1.5	12
154	Pressure dependence of the interlayer and intralayer E <sub>2g</sub> Raman-active modes of hexagonal BN up to the wurtzite phase transition. <i>Physical Review B</i> , 2020, 102, .	1.1	12
155	Long lifetime of the in-plane infrared-active modes of hexagonal boron nitride (h-BN). <i>Physical Review B</i> , 2020, 101, .	1.1	12
156	High Pressure EXAFS on GaTe Single Crystal Including Polarization. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 211, 389-393.	0.7	11
157	Comments on "Anomalous Large Shift of Absorption Edge of GaSe-Based Layered Crystals by Applied Electric Field". <i>Japanese Journal of Applied Physics</i> , 1991, 30, L608-L609.	0.8	10
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