

Alfredo Segura

List of Publications by Year in descending order

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222
papers

7,455
citations

43973

48
h-index

76769

74
g-index

230
all docs

230
docs citations

230
times ranked

6921
citing authors

#	ARTICLE	IF	CITATIONS
1	Exciton and Phonon Radiative Linewidths in Monolayer Boron Nitride. <i>Physical Review X</i> , 2022, 12, .	2.8	5
2	Local structure in Ga_2O_3 alloys. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156365.	1.8	4
3	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. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4780-4790.	3.0	13
4	Phonons of hexagonal BN under pressure: Effects of isotopic composition. <i>Physical Review B</i> , 2021, 103, .	1.1	2
5	Tuning the Direct and Indirect Excitonic Transitions of h -BN by Hydrostatic Pressure. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12880-12885.	1.5	8
6	Pressure dependence of the interlayer and intralayer E_{2g} Raman-active modes of hexagonal BN up to the wurtzite phase transition. <i>Physical Review B</i> , 2020, 102, .	1.1	12
7	Long lifetime of the in-plane infrared-active modes of h -BN. <i>Physical Review B</i> , 2020, 101, .	1.1	12
8	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
9	Investigation on the Luminescence Properties of $InMO_4$ ($M = V^{5+}$), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Earth Ions. <i>ACS Omega</i> , 2020, 5, 2148-2158.	1.6	24
10	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
11	High-Pressure Softening of the Out-of-Plane A_{2u} (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
12	Experimental and Theoretical Study of Bi_2O_2Se Under Compression. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8853-8867.	1.5	46
13	Bandgap behavior and singularity of the domain-induced light scattering through the pressure-induced ferroelectric transition in relaxor ferroelectric $AxBa_{1-x}Nb_2O_6$ (A: Sr,Ca). <i>Applied Physics Letters</i> , 2018, 112, 042901.	1.5	6
14	Study of the Secondary Electron Yield in Dielectrics Using Equivalent Circuital Models. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 859-867.	0.6	4
15	Crystalline-Size Dependence of Dual Emission Peak on Hybrid Organic Lead-Iodide Perovskite Films at Low Temperatures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22717-22727.	1.5	7
16	Peptide metal-organic frameworks under pressure: flexible linkers for cooperative compression. <i>Dalton Transactions</i> , 2018, 47, 10654-10659.	1.6	45
17	Experimental and Theoretical Studies on In_2Se_3 at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 8241-8252.	1.9	46
18	Layered Indium Selenide under High Pressure: A Review. <i>Crystals</i> , 2018, 8, 206.	1.0	31

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19	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
20	Optical and electronic properties of 2H α MoS ₂ under pressure: Revealing the spin-polarized nature of bulk electronic bands. <i>Physical Review Materials</i> , 2018, 2, .	0.9	19
21	Compressibility and structural behavior of pure and Fe-doped SnO ₂ nanocrystals. <i>Solid State Sciences</i> , 2017, 64, 91-98.	1.5	14
22	Phase segregation in Mg _x Zn _{1-x} O probed by optical absorption and photoluminescence at high pressure. <i>Journal of Applied Physics</i> , 2017, 122, 105902.	1.1	0
23	Optical and structural study of the pressure-induced phase transition of CdWO ₄ . <i>Physical Review B</i> , 2017, 95, .		
24	Band gap of corundumlike Al ₂ O ₃ determined by absorption and ellipsometry. <i>Physical Review Materials</i> , 2017, 1, .	0.9	71
25	Structural Metastability and Quantum Confinement in Zn _{1-x} CoxO Nanoparticles. <i>Nano Letters</i> , 2016, 16, 5204-5212.	4.5	6
26	Infrared study of α -SiO ₂ single crystal under high pressure. <i>Journal of Applied Physics</i> , 2016, 119, 055902.	1.1	1
27	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
28	Structural, vibrational, and electrical study of compressed BiTeBr. <i>Physical Review B</i> , 2016, 93, .	1.1	25
29	Ordered helium trapping and bonding in compressed arsenolite: Synthesis of Al ₂ SiO ₄ O ₆ H ₂ . <i>Physical Review B</i> , 2016, 93, .	1.1	29
30	Metastable structural transformations and pressure-induced amorphization in natural (Mg,Fe) ₂ SiO ₄ olivine under static compression: A Raman spectroscopic study. <i>American Mineralogist</i> , 2016, 101, 1642-1650.	0.9	20
31	Monazite-type SrCr ₄ O ₁₂ under compression. <i>Physical Review B</i> , 2016, 94, .	1.1	30
32	Growth of manganese sulfide (α -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
33	Pressure-induced amorphization of YVO ₄ :Eu ³⁺ nanoboxes. <i>Nanotechnology</i> , 2016, 27, 025701.	1.3	19
34	Optical emission from Si ₂ O ₂ -embedded silicon nanocrystals: A high-pressure Raman and photoluminescence study. <i>Physical Review B</i> , 2015, 92, .	1.1	9
35	HgGa ₂ Se ₄ under high pressure: An optical absorption study. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2043-2051.	0.7	13
36	Pressure-induced phase transition in hydrothermally grown ZnO nanoflowers investigated by Raman and photoluminescence spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 385401.	0.7	5

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37	Pressure dependence of the refractive index in wurtzite and rocksalt indium nitride. Applied Physics Letters, 2014, 105, .	1.5	14
38	Lattice and electronic contributions to the refractive index of CuWO ₄ . Journal of Applied Physics, 2014, 116, .	1.1	8
39	Tuning the band gap of PbCrO ₄ through high-pressure: Evidence of wide-to-narrow semiconductor transitions. Journal of Alloys and Compounds, 2014, 587, 14-20.	2.8	60
40	Photoluminescence in ZnO:Co ²⁺ (0.01%~5%) Nanoparticles, Nanowires, Thin Films, and Single Crystals as a Function of Pressure and Temperature: Exploring Electron-Phonon Interactions. Chemistry of Materials, 2014, 26, 1100-1107.	3.2	19
41	Compressibility and Structural Stability of Nanocrystalline TiO ₂ Anatase Synthesized from Freeze-Dried Precursors. Inorganic Chemistry, 2014, 53, 11598-11603.	1.9	28
42	Electronic structure, optical properties, and lattice dynamics in atomically thin indium selenide flakes. Nano Research, 2014, 7, 1556-1568.	5.8	160
43	Pbca-Type In ₂ O ₃ : The High-Pressure Post-Corundum phase at Room Temperature.. Journal of Physical Chemistry C, 2014, 118, 20545-20552.	1.5	27
44	The effect of quantum size confinement on the optical properties of PbSe nanocrystals as a function of temperature and hydrostatic pressure. Nanotechnology, 2013, 24, 205701.	1.3	37
45	Formation of nanostructures in Eu ³⁺ doped glass-ceramics: an XAS study. Journal of Physics Condensed Matter, 2013, 25, 025303.	0.7	4
46	Investigation of lattice dynamical and dielectric properties of MgO under high pressure by means of mid- and far-infrared spectroscopy. Journal of Physics Condensed Matter, 2013, 25, 505902.	0.7	10
47	High-pressure lattice dynamics in wurtzite and rocksalt indium nitride investigated by means of Raman spectroscopy. Physical Review B, 2013, 88, .	1.1	17
48	XRD and XAS structural study of CuAlO ₂ under high pressure. Journal of Physics Condensed Matter, 2013, 25, 115406.	0.7	14
49	Synthesis of a Novel Zeolite through a Pressure-Induced Reconstructive Phase Transition Process. Angewandte Chemie - International Edition, 2013, 52, 10458-10462.	7.2	45
50	High-pressure studies of topological insulators Bi ₂ Se ₃ , Bi ₂ Te ₃ , and Sb ₂ Te ₃ . Physica Status Solidi (B): Basic Research, 2013, 250, 669-676.	0.7	77
51	High-pressure studies of topological insulators Bi ₂ Se ₃ , Bi ₂ Te ₃ , and Sb ₂ Te ₃ : Tuning of the electronic structure 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
52	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
53	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, .		

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55	$p < d \text{ and } d$	1.1	41
56	Anomalous High-Pressure Jahn-Teller Behavior in CuWO_4 . Physical Review Letters, 2012, 108, 166402.	2.9	48
57	High-pressure study of substrate material SrAl_2O_7 . Physical Review B, 2011, 83, .	1.1	23
58	Current underestimation of the optical gap and Burstein-Moss shift in CdO thin films: A consequence of extended misuse of $I \pm 2$ -versus- $h\nu/2$ plots. Applied Physics Letters, 2011, 99, 151907.	1.5	32
59	High-pressure study of the infrared active modes in wurtzite and rocksalt ZnO. Physical Review B, 2011, 84, .	1.1	12
60	Structure Solution of the High-Pressure Phase of CuWO_4 and Evolution of the Jahn-Teller Distortion. Chemistry of Materials, 2011, 23, 4220-4226.	3.2	55
61	Structural and vibrational study of BiM_2Se_2 under high pressure. Physical Review B, 2011, 84, .	1.1	138
62	Low-cost set-up for Fourier-transform infrared spectroscopy in diamond anvil cell from 4000 to 400 \AA cm^{-1} . High Pressure Research, 2011, 31, 445-453.	0.4	9
63	The electronic structure of zircon-type orthovanadates: Effects of high-pressure and cation substitution. Journal of Applied Physics, 2011, 110, .	1.1	151
64	High-pressure vibrational and optical study of BiM_2Te_3 . Physical Review B, 2011, 84, .	1.1	100
65	High-pressure study of the behavior of mineral barite by x-ray diffraction. Physical Review B, 2011, 84, .	1.1	71
66	High-pressure Raman scattering in wurtzite indium nitride. Applied Physics Letters, 2011, 99, .	1.5	16
67	A combined high-pressure experimental and theoretical study of the electronic band-structure of scheelite-type AWO_4 (A = Ca, Sr, Ba, Pb) compounds. Journal of Applied Physics, 2011, 110, .	1.1	81
68	Absence of ferromagnetism in single-phase wurtzite $\text{Zn}_{1-x}\text{MnxO}$ polycrystalline thin films. Journal of Applied Physics, 2010, 108, 073922.	1.1	14
69	Dependence Of Electrically Active Centers Content With The Growth Temperature In Heavily Ga-doped ZnO Thin Films: Correlation Between Optical, Structural And Transport Properties. , 2010, , .		1
70	Nonlinear pressure dependence of the direct band gap in adamantane ordered-vacancy compounds. Physical Review B, 2010, 81, .	1.1	27
71	High-pressure structural phase transitions in CuWO_4 . Physical Review B, 2010, 81, .	1.1	67
72	Electronic structure of wurtzite and rocksalt InN investigated by optical absorption under hydrostatic pressure. Applied Physics Letters, 2010, 96, .	1.5	12

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73	Charge-transfer absorption band in Zn _{1-x} MxO (M: Co, Mn) investigated by means of photoconductivity, Ga doping, and optical measurements under pressure. Applied Physics Letters, 2010, 96, 241902.	1.5	17
74	High-pressure phase transitions and compressibility of wolframite-type tungstates. Journal of Applied Physics, 2010, 107, .	1.1	66
75	Optical absorption and Raman spectroscopy of CuWO ₄ . Journal of Physics: Conference Series, 2010, 215, 012048.	0.3	17
76	High-pressure x-ray diffraction and <i>ab initio</i> study of Ni^{2+} Pd^{2+} Ni^{2+} Pd^{2+}	1.1	91
77	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
78	Electronic structure of indium selenide probed by magnetoabsorption spectroscopy under high pressure. Physical Review B, 2010, 81, .	1.1	26
79	High pressure and high magnetic field behaviour of free and donor-bound exciton photoluminescence in InSe. Physica Status Solidi (B): Basic Research, 2009, 246, 532-535.	0.7	4
80	High-pressure structural investigation of several zircon-type orthovanadates. Physical Review B, 2009, 79, .	1.1	90
81	Refractive index of the CuAlO ₂ delafossite. Semiconductor Science and Technology, 2009, 24, 015002.	1.0	18
82	Chemical effects on the optical band-gap of heavily doped ZnO_M		

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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. <i>Applied Physics Letters</i> , 2007, 91, 221904.	1.5	26
92	First-principles study of the electronic structure of cubic GaS: Metallic versus insulating polymorphs. <i>Physical Review B</i> , 2007, 75, .	1.1	4
93	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
94	Buildup of the InSe/M interface (MPd, Au) studied by X-ray photoemission and X-ray absorption spectroscopy. <i>Surface Science</i> , 2007, 601, 3778-3783.	0.8	6
95	Electronic structure of CuAlO ₂ and CuScO ₂ delafossites under pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 309-314.	0.7	35
96	Transport measurements under pressure in III-V layered semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 162-168.	0.7	10
97	Lattice dynamics of CuAlO ₂ under high pressure from ab initio calculations. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 342-346.	0.7	13
98	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
99	Pressure dependence of photoluminescence of InAs/InP self-assembled quantum wires. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 59-64.	0.7	1
100	Crystal stability and pressure-induced phase transitions in scheelite AWO ₄ (A = Ca, Sr, Ba, Pb, Eu) binary oxides. I: A review of recent ab initio calculations, ADXRD, XANES, and Raman studies. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 325-330.	0.7	31
101	CaS and InSe equations of state from single crystal diffraction. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 169-173.	0.7	8
102	Pressure dependence of the optical properties of wurtzite and rock-salt $Zn_{1-x}Co_xO$ thin films. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 407-412.	0.7	7
103	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
104	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
105	Pressure and temperature dependence of the lattice dynamics of CuAlO ₂ investigated by Raman scattering experiments and ab initio calculations. <i>Physical Review B</i> , 2006, 74, .	1.1	93
106	Determination of the high-pressure crystal structure of BaWO ₄ and PbWO ₄ . <i>Physical Review B</i> , 2006, 73, .	1.1	95
107	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
108	Interdiffusion process in the InSe/Pt interface studied by angle-resolved photoemission. <i>Surface Science</i> , 2006, 600, 3734-3738.	0.8	6

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109	High-pressure electrical transport measurements on p-type GaSe and InSe. High Pressure Research, 2006, 26, 513-516.	0.4	33
110	Correlation between optical and transport properties of Ga-doped ZnO thin films prepared by pulsed laser deposition. Superlattices and Microstructures, 2006, 39, 282-290.	1.4	42
111	X-ray absorption of Zn _{1-x} CoxO thin films: A local structure study. Applied Physics Letters, 2006, 89, 061906.	1.5	32
112	On the band gap of CuAlO ₂ delafossite. Applied Physics Letters, 2006, 88, 181904.	1.5	86
113	Effects of high pressure on the optical absorption spectrum of scintillating PbWO ₄ crystals. Applied Physics Letters, 2006, 89, 091913.	1.5	69
114	High conductivity of Ga-doped rock-salt ZnO under pressure: Hint on deep-ultraviolet-transparent conducting oxides. Applied Physics Letters, 2006, 88, 011910.	1.5	59
115	Buildup and structure of the InSe/Pt interface studied by angle-resolved photoemission and x-ray absorption spectroscopy. Physical Review B, 2006, 73, .	1.1	7
116	Local environment of a diluted element under high pressure: Zn _{1-x} MnxO probed by fluorescence x-ray absorption spectroscopy. Applied Physics Letters, 2006, 89, 231904.	1.5	20
117	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. Physical Review B, 2006, 73, .	1.1	37
118	Optical properties of wurtzite and rock-salt ZnO under pressure. Microelectronics Journal, 2005, 36, 928-932.	1.1	44
119	Vibrational properties of delafossite CuGaO ₂ at ambient and high pressures. Physical Review B, 2005, 72, .	1.1	74
120	High-pressure phase diagram of Zn _{1-x} SexTe _{1-x} alloys. Physical Review B, 2005, 71, .	1.1	14
121	High-pressure structural study of the scheelite tungstates CaWO ₄ and SrWO ₄ . Physical Review B, 2005, 72, .	1.1	159
122	Crystal symmetry and pressure effects on the valence band structure of β -InSe and μ -GaSe: Transport measurements and electronic structure calculations. Physical Review B, 2005, 71, .	1.1	65
123	Structural evolution of the CuGaO ₂ delafossite under high pressure. Physical Review B, 2004, 69, .	1.1	64
124	X-ray-absorption fine-structure study of Zn _{1-x} SexTe _{1-x} alloys. Journal of Applied Physics, 2004, 96, 1491-1498.	1.1	23
125	Band structure of indium selenide investigated by intrinsic photoluminescence under high pressure. Physical Review B, 2004, 70, .	1.1	35
126	Optical properties and structural phase transitions in Mg _x Zn _{1-x} O under hydrostatic pressure. High Pressure Research, 2004, 24, 119-127.	0.4	15

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127	Optical properties of thin films of ZnO prepared by pulsed laser deposition. Thin Solid Films, 2004, 453-454, 251-255.	0.8	76
128	Specific features of the electronic structure of III-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
129	Variation of the optical absorption edge in AgGaS ₂ single crystals at high pressure. Physica Status Solidi (B): Basic Research, 2003, 235, 326-330.	0.7	5
130	Pressure and temperature dependence of the band-gap in CdTe. Physica Status Solidi (B): Basic Research, 2003, 235, 441-445.	0.7	12
131	Electronic structure and optical properties of CdTe rock-salt high pressure phase. Physica Status Solidi (B): Basic Research, 2003, 235, 509-513.	0.7	8
132	Transport measurements in InSe under high pressure and high temperature: shallow-to-deep donor transformation of Sn related donor impurities. Semiconductor Science and Technology, 2003, 18, 241-246.	1.0	16
133	Optical properties and electronic structure of rock-salt ZnO under pressure. Applied Physics Letters, 2003, 83, 278-280.	1.5	158
134	STRUCTURAL CHARACTERIZATION OF THE CINNABAR PHASE IN Zn _{1-x} Se _x Te _{1-x} ALLOYS. High Pressure Research, 2003, 23, 339-342.	0.4	4
135	Nanocrystals of cdte formed by the pressure cycle method. High Pressure Research, 2003, 23, 29-33.	0.4	2
136	Optical Properties of High Pressure Phases in ZnTe 1-x Se x. High Pressure Research, 2002, 22, 315-318.	0.4	9
137	Investigation of the local structure of As-related acceptor centres in InSe by means of fluorescence-detected XAS. Semiconductor Science and Technology, 2002, 17, 1023-1027.	1.0	2
138	Precursor effects of the Rhombohedral-to-Cubic Phase Transition in Indium Selenide. High Pressure Research, 2002, 22, 261-266.	0.4	22
139	Observation of the Cinnabar Phase in ZnSe at High Pressure. High Pressure Research, 2002, 22, 355-359.	0.4	6
140	Angle-resolved photoemission study and first-principles calculation of the electronic structure of GaTe. Physical Review B, 2002, 65, .	1.1	38
141	Pressure Dependence of the Bandgap Bowing in Zinc-Blende ZnTe 1-x Se x. High Pressure Research, 2002, 22, 257-260.	0.4	5
142	High-pressure x-ray-absorption study of GaSe. Physical Review B, 2002, 65, .	1.1	36
143	Surface passivation of gallium selenide by nitrogen implantation. Surface and Interface Analysis, 2002, 34, 460-463.	0.8	6
144	Experimental and theoretical study of band structure of InSe and In _{1-x} Ga _x Se (x<0.2) under high pressure: Direct to indirect crossovers. Physical Review B, 2001, 63, .	1.1	73

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145	Optical and photovoltaic properties of indium selenide thin films prepared by van der Waals epitaxy. Journal of Applied Physics, 2001, 90, 2818-2823.	1.1	59
146	Growth and characterisation of MnTe crystals. Journal of Crystal Growth, 2001, 223, 349-356.	0.7	24
147	Cinnabar phase in ZnSe at high pressure. Physical Review B, 2001, 65, .	1.1	35
148	Optical Absorption of Zinc Selenide Doped with Cobalt (Zn _{1-x} CoxSe) under Hydrostatic Pressure. Physica Status Solidi A, 2000, 180, 561-568.	1.7	7
149	High density photoluminescence induced by laser pulse excitation in InSe under pressure. High Pressure Research, 2000, 18, 81-87.	0.4	4
150	Pressure dependence of the refractive index in InSe. Semiconductor Science and Technology, 2000, 15, 806-812.	1.0	13
151	Refractive index of GaTe under high pressure. Semiconductor Science and Technology, 2000, 15, 902-907.	1.0	2
152	Temperature and pressure dependence of the optical absorption in hexagonal MnTe. Physical Review B, 2000, 61, 13679-13686.	1.1	39
153	Optical absorption of zinc selenide doped with cobalt (Zn _{1-x} CoxSe) under hydrostatic pressure. High Pressure Research, 2000, 18, 89-94.	0.4	1
154	Single crystal EXAFS at high pressure. High Pressure Research, 2000, 19, 335-340.	0.4	3
155	High-pressure x-ray absorption study of GaTe including polarization. Physical Review B, 2000, 61, 125-131.	1.1	17
156	Effects of pressure and temperature on the dielectric constant of GaS, GaSe, and InSe: Role of the electronic contribution. Physical Review B, 1999, 60, 15866-15874.	1.1	45
157	Band-to-Band and Band-to-Acceptor Photoluminescence Studies in InSe under Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 105-110.	0.7	6
158	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
159	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
160	High Pressure EXAFS on GaTe Single Crystal Including Polarization. Physica Status Solidi (B): Basic Research, 1999, 211, 389-393.	0.7	11
161	Thin film growth and band lineup of In ₂ O ₃ on the layered semiconductor InSe. Journal of Applied Physics, 1999, 86, 5687-5691.	1.1	86
162	Light-induced transmission nonlinearities in gallium selenide. Journal of Applied Physics, 1999, 85, 3780-3785.	1.1	20

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163	High-pressure x-ray absorption study of InSe. <i>Physical Review B</i> , 1999, 60, 3757-3763.	1.1	30
164	Optical absorption in GaTe under high pressure. <i>Physical Review B</i> , 1999, 60, 8871-8877.	1.1	18
165	Tin-related double acceptors in gallium selenide single crystals. <i>Journal of Applied Physics</i> , 1998, 83, 4750-4755.	1.1	35
166	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
167	Neutron irradiation defects in gallium sulfide: Optical absorption measurements. <i>Journal of Applied Physics</i> , 1997, 81, 6651-6656.	1.1	17
168	Investigation of nitrogen-related acceptor centers in indium selenide by means of photoluminescence: Determination of the hole effective mass. <i>Physical Review B</i> , 1997, 55, 6981-6987.	1.1	24
169	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
170	Effect of Neutron Irradiation on Ga-Based Semiconductors. <i>Materials Science Forum</i> , 1997, 258-263, 1235-1240.	0.3	0
171	Neutron transmutation doping of III-VI layered semiconductors. <i>Materials Science and Technology</i> , 1997, 13, 954-956.	0.8	1
172	Low-temperature synthesis, structure and magnetoresistance of submicrometric $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ perovskites. <i>Journal of Materials Chemistry</i> , 1997, 7, 1905-1909.	6.7	29
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