Jesus Antonio Gonzalez

List of Publications by Year
in descending order

151 papers	3,416 citations	172457 29 h-index	189892 50 g-index
154 all docs	154 docs citations	154 times ranked	4358 citing authors

#	Article	IF	Citations
1	Origin of the High Upconversion Green Luminescence Efficiency in Î²-NaYF₄:2%Er³⁺,20%Yb³⁺. Chemistry of Materials, 2011, 23, 3442-3448.	6.7	213
2	Electrical properties of semimetallic silicon III and semiconductive silicon IV at ambient pressure. Physical Review Letters, 1987, 59, 473-476.	7.8	175
3	High-pressure phase transition and phase diagram of gallium arsenide. Physical Review B, 1991, 44, 4214-4234.	3.2	172
4	Structural and vibrational study of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math> high pressure. Physical Review B, 2011, 84, .	3.2	138
5	High-pressure vibrational and optical study of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	100
6	High-pressure Raman spectroscopy and lattice-dynamics calculations on scintillating MgWO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: Comparison with isomorphic compounds. Physical Review B, 2011, 83, .	3.2	78
7	Highâ€pressure studies of topological insulators Bi₂Se₃, Bi₂Te₃, and Sb₂Te₃. Physica Status Solidi (B): Basic Research, 2013, 250, 669-676.	1.5	77
8	Multiwalled Carbon Nanotubes Display Microtubule Biomimetic Properties in Vivo, Enhancing Microtubule Assembly and Stabilization. ACS Nano, 2012, 6, 6614-6625.	14.6	71
9	High-pressure structural phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CuWO</mml:mtext></mml:mrow><mml:mn>4</mml:mn></ Physical Review B, 2010, 81, .	3.2	67
10	High-pressure phase transitions and compressibility of wolframite-type tungstates. Journal of Applied Physics, 2010, 107, .	2.5	66
11	Nano-ZnO leads to tubulin macrotube assembly and actin bundling, triggering cytoskeletal catastrophe and cell necrosis. Nanoscale, 2016, 8, 10963-10973.	5.6	57
12	Optical properties and characterization of CuInSe2. Solar Cells, 1986, 16, 335-349.	0.6	55
13	Luminescence and impurity states in CuInSe2. Journal of Applied Physics, 1983, 54, 6634-6636.	2.5	54
14	Effect of pressure on the band gap and the local FeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>environment in BiFeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	3.2	53
15	A Magnetic Ionic Liquid Based on Tetrachloroferrate Exhibits Threeâ€Dimensional Magnetic Ordering: A Combined Experimental and Theoretical Study of the Magnetic Interaction Mechanism. Chemistry - A European Journal, 2014, 20, 72-76.	3.3	48
16	Anionâ^'Ï€ and Halideâ€“Halide Nonbonding Interactions in a New Ionic Liquid Based on Imidazolium Cation with Three-Dimensional Magnetic Ordering in the Solid State. Inorganic Chemistry, 2014, 53, 8384-8396.	4.0	43
17	Optical absorption and phase transitions in CuInSe2and CuInS2single crystals at high pressure. Journal of Applied Physics, 1989, 65, 2031-2034.	2.5	42
18	Multiwalled Carbon Nanotubes Hinder Microglia Function Interfering with Cell Migration and Phagocytosis. Advanced Healthcare Materials, 2014, 3, 424-432.	7.6	42

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19	High-pressure behavior of Raman modes inCuGaS2. Physical Review B, 1992, 46, 15092-15101.	3.2	38
20	Optical absorption and phase transitions in Cu-III-VI2 compound semiconductors at high pressure. Journal of Physics and Chemistry of Solids, 1990, 51, 1093-1097.	4.0	36
21	Analysis of direct exciton transitions in CuGa(SxSe1â^'x)2 alloys. Journal of Physics and Chemistry of Solids, 1990, 51, 551-555.	4.0	36
22	Optical Absorption of CuInSe₂ in Bulk Single Crystal. Physica Status Solidi (B): Basic Research, 1981, 108, K19.	1.5	35
23	Equation of state and phase transitions in AgGaS2 and AgGaSe2. Journal of Physics and Chemistry of Solids, 1995, 56, 481-484.	4.0	35
24	Anharmonic effects in ZnO optical phonons probed by Raman spectroscopy. Applied Physics Letters, 2010, 96, .	3.3	35
25	3D Strain in 2D Materials: To What Extent is Monolayer Graphene Graphite?. Physical Review Letters, 2019, 123, 135501.	7.8	35
26	Preparation and characterization of Î±-Fe nanowires located inside double wall carbon nanotubes. Chemical Physics Letters, 2008, 457, 347-351.	2.6	34
27	Raman characterization of carbon materials under non-hydrostatic conditions. Carbon, 2011, 49, 973-979.	10.3	33
28	Bulk and Molecular Compressibilities of Organicâ€“Inorganic Hybrids [(CH₃)₄N]₂MnX₄ (X = Cl, Br); Role of Intermolecular Interactions. Inorganic Chemistry, 2014, 53, 10708-10715.	4.0	33
29	Raman spectroscopy and magnetic properties of bulk ZnO:Co single crystal. Journal of Alloys and Compounds, 2006, 423, 224-227.	5.5	32
30	Anharmonic effects in light scattering due to optical phonons inCuGaS2. Physical Review B, 1996, 54, 4707-4713.	3.2	31
31	Acoustic deformation potentials inAIBIIIC2VIchalcopyrite semiconductors. Physical Review B, 1989, 40, 8552-8554.	3.2	30
32	Hydrostatic pressure dependence of the energy gaps of CdTe in the zinc-blende and rocksalt phases. Journal of Physics and Chemistry of Solids, 1995, 56, 335-340.	4.0	30
33	Optical-absorption spectrum near the exciton band edge inCuGaS2at 5 K. Physical Review B, 1996, 53, 7792-7796.	3.2	30
34	Crystal structure of the ternary semiconductor compound thallium gallium sulfide, TlGaS2. Physica B: Condensed Matter, 2007, 391, 385-388.	2.7	30
35	Multiwalled Carbon Nanotubes Inhibit Tumor Progression in a Mouse Model. Advanced Healthcare Materials, 2016, 5, 1080-1087.	7.6	30
36	Elastic stiffness constants of copper indium diselenide determined by neutron scattering. Physical Review B, 1993, 47, 8269-8272.	3.2	29

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37	Pressure-induced switching in a copper(ii) citrate dimer. CrystEngComm, 2010, 12, 2516.	2.6	29
38	Trapping of three-dimensional electrons and transition to two-dimensional transport in the three-dimensional topological insulator Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math> under high pressure. Physical Review B, 2012, 85, .	3.2	29
39	Pressure-induced phase-transition sequence in CoF<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: An experimental and first-principles study on the crystal, vibrational, and electronic properties. Physical Review B, 2013, 88, .	3.2	29
40	Pressure Effects on Emim[FeCl₄], a Magnetic Ionic Liquid with Three-Dimensional Magnetic Ordering. Journal of Physical Chemistry B, 2013, 117, 3198-3206.	2.6	29
41	Inhibition of Cancer Cell Migration by Multiwalled Carbon Nanotubes. Advanced Healthcare Materials, 2015, 4, 1640-1644.	7.6	29
42	Electrical transport measurements in a gasketed diamond anvil cell up to 18 GPa. Review of Scientific Instruments, 1986, 57, 106-107.	1.3	28
43	Pressure dependence of the RamanA1mode and pressure-induced phase transition inCuInSe2. Physical Review B, 1992, 45, 7022-7025.	3.2	27
44	Raman Spectra of Double-Wall Carbon Nanotubes under Extreme Uniaxial Stress. Nano Letters, 2008, 8, 2215-2218.	9.1	27
45	Optical energyâ€gap variation and deformation potentials in CuInTe2. Journal of Applied Physics, 1991, 70, 1451-1454.	2.5	26
46	Growth and crystal structure of the layered compound TlGaSe2. Crystal Research and Technology, 2007, 42, 663-666.	1.3	26
47	Electronic structure of indium selenide probed by magnetoabsorption spectroscopy under high pressure. Physical Review B, 2010, 81, .	3.2	26
48	Pressure-Induced Amorphization and a New High Density Amorphous Metallic Phase in Matrix-Free Ge Nanoparticles. Nano Letters, 2015, 15, 7334-7340.	9.1	26
49	High pressure optical spectroscopy of Ce3+-doped Cs2NaLuCl6. Chemical Physics Letters, 2009, 481, 149-151.	2.6	25
50	Anti-Cancer Cytotoxic Effects of Multiwalled Carbon Nanotubes. Current Pharmaceutical Design, 2015, 21, 1920-1929.	1.9	25
51	Magnetic ionic plastic crystal: choline[FeCl4]. Physical Chemistry Chemical Physics, 2013, 15, 12724.	2.8	23
52	Biodegradable multi-walled carbon nanotubes trigger anti-tumoral effects. Nanoscale, 2018, 10, 11013-11020.	5.6	23
53	Photodetecting Properties of CuInSe₂ Homojunctions. Japanese Journal of Applied Physics, 1980, 19, 29.	1.5	22
54	Dye-doped biodegradable nanoparticle SiO₂ coating on zinc- and iron-oxide nanoparticles to improve biocompatibility and for in vivo imaging studies. Nanoscale, 2020, 12, 6164-6175.	5.6	22

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55	CuGa(SxSe1 â^' x)2 alloys at high pressure: Optical absorption and X-ray diffraction studies. Journal of Physics and Chemistry of Solids, 1995, 56, 507-516.	4.0	21
56	Phonons in silver gallium diselenide. Journal of Physics Condensed Matter, 1997, 9, 6579-6589.	1.8	21
57	1-Ethyl-2,3-dimethylimidazolium paramagnetic ionic liquids with 3D magnetic ordering in its solid state: synthesis, structure and magneto-structural correlations. RSC Advances, 2015, 5, 60835-60848.	3.6	21
58	Influence of Impurities on the Optical Properties of CuInSe₂ near the Fundamental Absorption Edge. Physica Status Solidi (B): Basic Research, 1982, 110, K171.	1.5	20
59	Er³⁺luminescence as a sensor of high pressure and strong external magnetic fields. High Pressure Research, 2009, 29, 748-753.	1.2	20
60	Phonon softening on the specific heat of nanocrystalline metals. Nanotechnology, 2010, 21, 445702.	2.6	20
61	Synthesis of superparamagnetic iron(iii) oxide nanowires in double-walled carbon nanotubes. Chemical Communications, 2009, , 6664.	4.1	19
62	Magnetic, transport, X-ray diffraction and MÃ¶ssbauer measurements on CuFeSe2. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 997-998.	2.3	18
63	MOCVD growth of CdTe on glass: analysis of in situ post-growth annealing. Journal of Crystal Growth, 2004, 262, 19-27.	1.5	18
64	Optical properties and defect chemistry of p-CuInS2. Journal of Physics and Chemistry of Solids, 1984, 45, 1185-1187.	4.0	17
65	Crystallographic properties of the MnGa2Se4 compound under high pressure. Journal of Applied Physics, 2006, 100, 093513.	2.5	17
66	Optical absorption and Raman spectroscopy of CuWO₄. Journal of Physics: Conference Series, 2010, 215, 012048.	0.4	17
67	Crystal-Field Theory Validity Through Local (and Bulk) Compressibilities in CoF₂ and KCoF₃. Journal of Physical Chemistry C, 2016, 120, 18788-18793.	3.1	17
68	Structural and physical properties of a new reversible and continuous thermochromic ionic liquid in a wide temperature interval: [BMIM]₄[Ni(NCS)₆]. New Journal of Chemistry, 2018, 42, 15561-15571.	2.8	16
69	Temperature dependence of the bandgap in CuInSe2. Solar Cells, 1986, 16, 357-362.	0.6	14
70	T(z) diagram and optical energy gap values of Cd1â^'zMnzGa2Se4 alloys. Journal of Electronic Materials, 1993, 22, 297-301.	2.2	14
71	High-field Zeeman and Paschen-Back effects at high pressure in oriented ruby. Physical Review B, 2008, 78, .	3.2	14
72	Reversibility of the zinc-blende to rock-salt phase transition in cadmium sulfide nanocrystals. Journal of Applied Physics, 2012, 111, .	2.5	14

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73	Temperature variation of optical energy gap values of the compound CuGaTe2. Journal of Electronic Materials, 1997, 26, 1428-1432.	2.2	13
74	Magnetic behaviour of Cu2FeGeSe4. Journal of Magnetism and Magnetic Materials, 2000, 210, 208-214.	2.3	13
75	Similarities in the Raman RBM and D bands in double-wall carbon nanotubes. Physical Review B, 2005, 72, .	3.2	13
76	Synthesis, microstructure and volumetry of novel metal thiocyanate ionic liquids with [BMIM] cation. Journal of Molecular Liquids, 2019, 283, 638-651.	4.9	13
77	A Comparative Study on Luminescence Properties of Y2O3: Pr3+ Nanocrystals Prepared by Different Synthesis Methods. Nanomaterials, 2020, 10, 1574.	4.1	13
78	Temperature Dependence of the Energy Gap in Cuinse₂. Physica Status Solidi (B): Basic Research, 1983, 117, K123.	1.5	12
79	New spin-density waves systems:. Physica B: Condensed Matter, 1999, 259-261, 987-989.	2.7	12
80	Pressure and temperature dependence of the band-gap in CdTe. Physica Status Solidi (B): Basic Research, 2003, 235, 441-445.	1.5	12
81	Spectroscopic and luminescence properties of (CH₃)₄NMnCl₃: a sensitive Mn²⁺-based pressure gauge. High Pressure Research, 2009, 29, 653-659.	1.2	12
82	Pressure dependence of Raman modes in double wall carbon nanotubes filled with 1D Tellurium. Carbon, 2010, 48, 2566-2572.	10.3	11
83	Pressure-induced spin transition and site-selective metallization in CoCl2. Scientific Reports, 2019, 9, 5448.	3.3	11
84	Graphene-encapsulated magnetic nanoparticles for safe and steady delivery of ferulic acid in diabetic mice. Chemical Engineering Journal, 2022, 435, 134466.	12.7	11
85	Phase diagram of GaAs. High Pressure Research, 1990, 4, 312-314.	1.2	10
86	MÃ¶ssbauer measurements in CuFeTe2. , 1998, 113, 493-498.		10
87	Doping dependence of the G-band Raman spectra of an individual multiwall carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2466-2470.	2.7	10
88	3D Raman mapping of uniaxially loaded 6Hâ€SiC crystals. Journal of Raman Spectroscopy, 2013, 44, 758-762.	2.5	10
89	Direct phonon-assisted transitions near the fundamental absorption edge in CuInSe2. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1983, 2, 1895-1899.	0.4	9
90	Lattice dynamics in copper indium diselenide by inelastic neutron scattering. Journal of Physics Condensed Matter, 1999, 11, 3987-3995.	1.8	9

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91	Anharmonic properties of the AgGaSe2 compound. Physica B: Condensed Matter, 2001, 305, 191-196.	2.7	9
92	SDW in the 2D Compound CuFeTe2. Hyperfine Interactions, 2001, 134, 115-122.	0.5	9
93	Preparation and characterization of (CuInSe2)1â^'x(CoSe)x alloys in the composition range 0 â‰¤x â‰¤ 2/3. Physica Status Solidi (B): Basic Research, 2004, 241, 1795-1802.	1.5	9
94	Raman scattering and phase transition in TlGaS2 under pressure. Journal of Applied Physics, 2007, 101, 063534.	2.5	9
95	Optical spectroscopy of the Sr₄Al₁₄O₂₅:Mn⁴⁺,Cr³⁺ phosphor: pressure and temperature dependences. Journal of Materials Chemistry C, 2022, 10, 6380-6391.	5.5	9
96	Electronic structure and optical properties of CdTe rock-salt high pressure phase. Physica Status Solidi (B): Basic Research, 2003, 235, 509-513.	1.5	8
97	Magnetic properties of MnGa2Se4 in the temperature range of 2â€“300K. Journal of Applied Physics, 2006, 100, 053907.	2.5	8
98	Phase transition sequences in tetramethylammonium tetrachlorometallates by X-ray diffraction and spectroscopic measurements. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 844-855.	1.1	8
99	Structural, vibrational and electronic properties of Î±â€²-Ga₂S₃ under compression. Physical Chemistry Chemical Physics, 2021, 23, 6841-6862.	2.8	8
100	The unpredictable carbon nanotube biocorona and a functionalization method to prevent protein biofouling. Journal of Nanobiotechnology, 2021, 19, 129.	9.1	8
101	Residual Optical Absorption Below the Band Gap in CuInSe₂. Physica Status Solidi (B): Basic Research, 1983, 118, K21.	1.5	7
102	Magnetic susceptibility, transport and MÃ¶ssbauer measurements in CuFeSe2. Hyperfine Interactions, 1991, 67, 517-521.	0.5	7
103	Magnetic spin-flop and magnetic saturation in Ag2FeGeSe4, Ag2FeSiSe4 and Cu2MnGeSe4 semiconductor compounds. Physica B: Condensed Matter, 2001, 294-295, 471-474.	2.7	7
104	Anharmonic Properties of Soft Modes in CuGaS2 and AgGaS2 Chalcopyrite Semiconductors. Physica Status Solidi (B): Basic Research, 2001, 225, R12-R14.	1.5	7
105	Characterization of fullerene-like CNx thin films deposited by pulsed-laser ablation of graphite in nitrogen. Physica Status Solidi A, 2004, 201, 2390-2393.	1.7	7
106	Pressure dependence of Raman modes in double wall carbon nanotubes filled with Î±-Fe. High Pressure Research, 2008, 28, 577-582.	1.2	7
107	Resonance Raman spectroscopy of carbon nanotubes: pressure effects on G-mode. High Pressure Research, 2014, 34, 191-197.	1.2	7
108	Hydrostatic Deformation Potentials and Phase Transitions in CuGa(S_xSe_{1â^'x})₂ Alloys at High Pressure. Physica Status Solidi (B): Basic Research, 1995, 187, 149-156.	1.5	6

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109	High field magnetic properties of Ag2FeGeSe4 in the temperature range 2â€“300K. Journal of Magnetism and Magnetic Materials, 2003, 257, 87-94.	2.3	6
110	Anomalous pressure dependence of acoustic phonons of AgGaSe2 investigated by inelastic neutron scattering to 4.3 GPa. Physica Status Solidi (B): Basic Research, 2003, 235, 331-336.	1.5	6
111	New diamond anvil cell for optical and transport measurements under high magnetic fields up to 60ÂT. High Pressure Research, 2008, 28, 627-631.	1.2	6
112	Trigonal field acting at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Cr</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mi>E</mml:mi><mml:mprescripts /><mml:none /><mml:mn>2</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>states in ruby from magneto-optical measur. Physical Review B, 2010, 81, .	3.2	6
113	and pressure on the exchange-mediated exciton dynamics in one-dimensional N(CH<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>4</mml:mn>	3.2	6
114	Structural Metastability and Quantum Confinement in Zn1â€“xCoxO Nanoparticles. Nano Letters, 2016, 16, 5204-5212.	9.1	6
115	Nanomechanics of graphene oxide-bacteriophage based self-assembled porous composites. Scientific Reports, 2020, 10, 15618.	3.3	6
116	Variation of the optical absorption edge in AgGaS2 single crystals at high pressure. Physica Status Solidi (B): Basic Research, 2003, 235, 326-330.	1.5	5
117	Magnetic phase diagram of MnGa2Se4 compound. Physica B: Condensed Matter, 2004, 346-347, 413-415.	2.7	5
118	Nanocrystals of ZnO formed by the hot isostatic pressure method. High Pressure Research, 2009, 29, 594-599.	1.2	5
119	Optical energy gap on zinc-blende CdS nanoparticles under high pressure. High Pressure Research, 2009, 29, 482-487.	1.2	5
120	Control of infrared cross-relaxation in LiNbO_3:Tm^3+ through high-pressure. Optical Materials Express, 2015, 5, 1168.	3.0	5
121	Origin of the piezochromism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cs</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> : Electron-phonon and crystal-structure correlations. Physical Review B, 2019, 99, .	3.2	5
122	Photocatalytic activity of undoped and Mn- and Co-doped TiO2 nanocrystals incorporated in enamel coatings on stainless steel. Reaction Chemistry and Engineering, 0, , .	3.7	5
123	Pressure dependence of Raman modes in DWCNT filled with PbI2 semiconductor. Physica Status Solidi (B): Basic Research, 2007, 244, 136-141.	1.5	4
124	High pressure and high magnetic field behaviour of free and donorâ€boundâ€exciton photoluminescence in InSe. Physica Status Solidi (B): Basic Research, 2009, 246, 532-535.	1.5	4
125	Volume and pressure dependences of the electronic, vibrational, and crystal structures of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>CoC</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>: Identification of a pressure-induced piezochromic phase at high pressure. Physical Review B, 2017, 95, .	3.2	4
126	Reflectance and absorption spectra near the band gap in CuInSe2. Solid State Communications, 1983, 48, 1001-1002.	1.9	3

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127	Pressure and temperature dependences of the raman-active phonons in CuGaS2. Journal of Physics and Chemistry of Solids, 1995, 56, 571-575.	4.0	3
128	Pressure dependence of shallow acceptors inCuGa(SxSe1â^'x)2alloys. Physical Review B, 1998, 58, 13654-13659.	3.2	3
129	Pressure Dependence of Acoustic Modes in AgGaSe 2. High Pressure Research, 2002, 22, 283-286.	1.2	3
130	Magnetic properties of the semimagnetic semiconductor Zn0.15Mn0.85Ga2Se4. Physica B: Condensed Matter, 2007, 389, 302-305.	2.7	3
131	Significance of Bundling Effects on Carbon Nanotubesâ€™ Response to Hydrostatic Compression. Journal of Physical Chemistry C, 2016, 120, 1863-1870.	3.1	3
132	Volume and bond length dependences of the electronic structure of 6-fold and 8-fold coordinated Co²⁺ in pressure transformed CoF₂. Journal of Physics: Conference Series, 2017, 950, 042016.	0.4	3
133	High-Pressure Synthesis of Î²- and Î±-In₂Se₃-Like Structures in Ga₂S₃. Chemistry of Materials, 2022, 34, 6068-6086.	6.7	3
134	Impurity States Near the Fundamental Absorption Edge in pâ€CuInS₂. Physica Status Solidi (B): Basic Research, 1983, 118, K103.	1.5	2
135	Nanocrystals of cdte formed by the pressure cycle method. High Pressure Research, 2003, 23, 29-33.	1.2	2
136	IIâ€“VI and II1â^'xMnxVI semiconductor nanocrystals formed by the pressure cycle method. High Pressure Research, 2005, 25, 119-135.	1.2	2
137	Energy dependent transport length scales in strongly diffusive carbon nanotubes. Journal of Physics Condensed Matter, 2006, 18, 4581-4587.	1.8	2
138	Highâ€pressure optical absorption studies of doubleâ€walled carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2012, 6, 382-384.	2.4	2
139	Role of high pressure for understanding luminescent phenomena. Journal of Luminescence, 2016, 169, 410-414.	3.1	2
140	High pressure phase transition in GaAs. High Pressure Research, 1992, 9, 144-147.	1.2	1
141	Nanocrystals of CdSe Formed by the Pressure Cycle Method. High Pressure Research, 2002, 22, 271-275.	1.2	1
142	Graphite under non-hydrostatic conditions. High Pressure Research, 2008, 28, 583-586.	1.2	1
143	Photoluminescence of InP/GaP quantum dots under extreme conditions. High Pressure Research, 2009, 29, 488-494.	1.2	1
144	Exploiting optical properties of nanopolycrystalline diamond in high pressure experiments. High Pressure Research, 2020, 40, 107-118.	1.2	1

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145	Revealing a masked Verwey transition in nanoparticles of coexisting Fe-oxide phases. RSC Advances, 2021, 11, 390-396.	3.6	1
146	Structural correlations in Cs_2CuCl_4: Pressure dependence of electronic structures. Papers in Physics, 0, 11, 110004.	0.2	1
147	Evidence for the existence of two electronic states in the chalcopyrite-type alloys CuFe(S1â^'zSez)2. Hyperfine Interactions, 1994, 91, 607-612.	0.5	0
148	Electronic and Structural High Pressure Properties of CuGaS 2 Chalcopyrite Semiconductor. High Pressure Research, 2002, 22, 361-364.	1.2	0
149	Quantum dots of Cd0.5Mn0.5Te semimagnetic semiconductor formed by the cold isostatic pressure method. Journal of Magnetism and Magnetic Materials, 2005, 294, e77-e81.	2.3	0
150	High magnetic field facilities in Latin America. Journal of Physics: Conference Series, 2006, 51, 627-630.	0.4	0
151	A Raman study of the pressure-induced densification of SiO₂-based glass-ceramics. Journal of Physics Condensed Matter, 2018, 30, 304002.	1.8	0