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	Graphene-encapsulated magnetic nanoparticles for safe and steady delivery of ferulic acid in diabetic mice. Chemical Engineering Journal, 2022, 435, 134466.	12.7	11
2	Optical spectroscopy of the Sr₄Al₁₄O₂₅:Mn⁴⁺,Cr³⁺ phosphor: pressure and temperature dependences. Journal of Materials Chemistry C, 2022, 10, 6380-6391.	5.5	9
3	High-Pressure Synthesis of Î²- and Î±-In₂Se₃-Like Structures in Ga₂S₃. Chemistry of Materials, 2022, 34, 6068-6086.	6.7	3
4	Revealing a masked Verwey transition in nanoparticles of coexisting Fe-oxide phases. RSC Advances, 2021, 11, 390-396.	3.6	1
5	Structural, vibrational and electronic properties of Î±â€²-Ga₂S₃ under compression. Physical Chemistry Chemical Physics, 2021, 23, 6841-6862.	2.8	8
6	The unpredictable carbon nanotube biocorona and a functionalization method to prevent protein biofouling. Journal of Nanobiotechnology, 2021, 19, 129.	9.1	8
7	Exploiting optical properties of nanopolycrystalline diamond in high pressure experiments. High Pressure Research, 2020, 40, 107-118.	1.2	1
8	Nanomechanics of graphene oxide-bacteriophage based self-assembled porous composites. Scientific Reports, 2020, 10, 15618.	3.3	6
9	A Comparative Study on Luminescence Properties of Y2O3: Pr3+ Nanocrystals Prepared by Different Synthesis Methods. Nanomaterials, 2020, 10, 1574.	4.1	13
10	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
11	3D Strain in 2D Materials: To What Extent is Monolayer Graphene Graphite?. Physical Review Letters, 2019, 123, 135501.	7.8	35
12	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:mi>Sn</mml:mi><mml:msub><mml:mi>I</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>: Electron-phonon and crystal-structure correlations. Physical Review B, 2019, 99, .	3.2	5
13	Synthesis, microstructure and volumetry of novel metal thiocyanate ionic liquids with [BMIM] cation. Journal of Molecular Liquids, 2019, 283, 638-651.	4.9	13
14	Pressure-induced spin transition and site-selective metallization in CoCl2. Scientific Reports, 2019, 9, 5448.	3.3	11
15	A Raman study of the pressure-induced densification of SiO₂-based glass-ceramics. Journal of Physics Condensed Matter, 2018, 30, 304002.	1.8	0
16	Biodegradable multi-walled carbon nanotubes trigger anti-tumoral effects. Nanoscale, 2018, 10, 11013-11020.	5.6	23
17	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
18	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

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19	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
20	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
21	Multiwalled Carbon Nanotubes Inhibit Tumor Progression in a Mouse Model. Advanced Healthcare Materials, 2016, 5, 1080-1087.	7.6	30
22	Structural Metastability and Quantum Confinement in Zn1â€“xCoxO Nanoparticles. Nano Letters, 2016, 16, 5204-5212.	9.1	6
23	Nano-ZnO leads to tubulin macrotube assembly and actin bundling, triggering cytoskeletal catastrophe and cell necrosis. Nanoscale, 2016, 8, 10963-10973.	5.6	57
24	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
25	Role of high pressure for understanding luminescent phenomena. Journal of Luminescence, 2016, 169, 410-414.	3.1	2
26	Significance of Bundling Effects on Carbon Nanotubesâ€™ Response to Hydrostatic Compression. Journal of Physical Chemistry C, 2016, 120, 1863-1870.	3.1	3
27	Inhibition of Cancer Cell Migration by Multiwalled Carbon Nanotubes. Advanced Healthcare Materials, 2015, 4, 1640-1644.	7.6	29
28	Anti-Cancer Cytotoxic Effects of Multiwalled Carbon Nanotubes. Current Pharmaceutical Design, 2015, 21, 1920-1929.	1.9	25
29	Control of infrared cross-relaxation in LiNbO_3:Tm^3+ through high-pressure. Optical Materials Express, 2015, 5, 1168.	3.0	5
30	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
31	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
32	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
33	Multiwalled Carbon Nanotubes Hinder Microglia Function Interfering with Cell Migration and Phagocytosis. Advanced Healthcare Materials, 2014, 3, 424-432.	7.6	42
34	Resonance Raman spectroscopy of carbon nanotubes: pressure effects on G-mode. High Pressure Research, 2014, 34, 191-197.	1.2	7
35	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
36	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

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37	Effect of Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>doping and pressure on the exchange-mediated exciton dynamics in one-dimensional N(CH<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	6
38	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
39	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
40	Magnetic ionic plastic crystal: choline[FeCl4]. Physical Chemistry Chemical Physics, 2013, 15, 12724.	2.8	23
41	3D Raman mapping of uniaxially loaded 6Hâ€SiC crystals. Journal of Raman Spectroscopy, 2013, 44, 758-762.	2.5	10
42	Highâ€pressure studies of topological insulators Bi₂Se₃, Bi₂Te₃, and Sb₂Te₃. Physica Status Solidi (B): Basic Research, 2013, 250, 669-676.	1.5	77
43	Reversibility of the zinc-blende to rock-salt phase transition in cadmium sulfide nanocrystals. Journal of Applied Physics, 2012, 111, .	2.5	14
44	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
45	Multiwalled Carbon Nanotubes Display Microtubule Biomimetic Properties in Vivo, Enhancing Microtubule Assembly and Stabilization. ACS Nano, 2012, 6, 6614-6625.	14.6	71
46	Highâ€pressure optical absorption studies of doubleâ€walled carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2012, 6, 382-384.	2.4	2
47	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 />	3.2	53
48	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 isostructural compounds. Physical Review B, 2011, 83, .	3.2	78
49	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 />	3.2	138
50	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 /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	100
51	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
52	Raman characterization of carbon materials under non-hydrostatic conditions. Carbon, 2011, 49, 973-979.	10.3	33
53	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
54	Pressure dependence of Raman modes in double wall carbon nanotubes filled with 1D Tellurium. Carbon, 2010, 48, 2566-2572.	10.3	11

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55	...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 ...	3.2	6
56	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></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 81, .	3.2	67
57	High-pressure phase transitions and compressibility of wolframite-type tungstates. Journal of Applied Physics, 2010, 107, .	2.5	66
58	Optical absorption and Raman spectroscopy of CuWO₄. Journal of Physics: Conference Series, 2010, 215, 012048.	0.4	17
59	Anharmonic effects in ZnO optical phonons probed by Raman spectroscopy. Applied Physics Letters, 2010, 96, .	3.3	35
60	Phonon softening on the specific heat of nanocrystalline metals. Nanotechnology, 2010, 21, 445702.	2.6	20
61	Pressure-induced switching in a copper(ii) citrate dimer. CrystEngComm, 2010, 12, 2516.	2.6	29
62	Electronic structure of indium selenide probed by magnetoabsorption spectroscopy under high pressure. Physical Review B, 2010, 81, .	3.2	26
63	Nanocrystals of ZnO formed by the hot isostatic pressure method. High Pressure Research, 2009, 29, 594-599.	1.2	5
64	Photoluminescence of InP/GaP quantum dots under extreme conditions. High Pressure Research, 2009, 29, 488-494.	1.2	1
65	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
66	High pressure optical spectroscopy of Ce3+-doped Cs2NaLuCl6. Chemical Physics Letters, 2009, 481, 149-151.	2.6	25
67	Er³⁺luminescence as a sensor of high pressure and strong external magnetic fields. High Pressure Research, 2009, 29, 748-753.	1.2	20
68	Optical energy gap on zinc-blende CdS nanoparticles under high pressure. High Pressure Research, 2009, 29, 482-487.	1.2	5
69	Spectroscopic and luminescence properties of (CH₃)₄NMnCl₃: a sensitive Mn²⁺-based pressure gauge. High Pressure Research, 2009, 29, 653-659.	1.2	12
70	Synthesis of superparamagnetic iron(iii) oxide nanowires in double-walled carbon nanotubes. Chemical Communications, 2009, , 6664.	4.1	19
71	Preparation and characterization of Î±-Fe nanowires located inside double wall carbon nanotubes. Chemical Physics Letters, 2008, 457, 347-351.	2.6	34
72	Graphite under non-hydrostatic conditions. High Pressure Research, 2008, 28, 583-586.	1.2	1

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73	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
74	Raman Spectra of Double-Wall Carbon Nanotubes under Extreme Uniaxial Stress. Nano Letters, 2008, 8, 2215-2218.	9.1	27
75	Pressure dependence of Raman modes in double wall carbon nanotubes filled with Î±-Fe. High Pressure Research, 2008, 28, 577-582.	1.2	7
76	High-field Zeeman and Paschen-Back effects at high pressure in oriented ruby. Physical Review B, 2008, 78, .	3.2	14
77	Raman scattering and phase transition in TlGaS2 under pressure. Journal of Applied Physics, 2007, 101, 063534.	2.5	9
78	Growth and crystal structure of the layered compound TlGaSe2. Crystal Research and Technology, 2007, 42, 663-666.	1.3	26
79	Crystal structure of the ternary semiconductor compound thallium gallium sulfide, TlGaS2. Physica B: Condensed Matter, 2007, 391, 385-388.	2.7	30
80	Pressure dependence of Raman modes in DWCNT filled with PbI2 semiconductor. Physica Status Solidi (B): Basic Research, 2007, 244, 136-141.	1.5	4
81	Magnetic properties of the semimagnetic semiconductor Zn0.15Mn0.85Ga2Se4. Physica B: Condensed Matter, 2007, 389, 302-305.	2.7	3
82	Raman spectroscopy and magnetic properties of bulk ZnO:Co single crystal. Journal of Alloys and Compounds, 2006, 423, 224-227.	5.5	32
83	High magnetic field facilities in Latin America. Journal of Physics: Conference Series, 2006, 51, 627-630.	0.4	0
84	Energy dependent transport length scales in strongly diffusive carbon nanotubes. Journal of Physics Condensed Matter, 2006, 18, 4581-4587.	1.8	2
85	Crystallographic properties of the MnGa2Se4 compound under high pressure. Journal of Applied Physics, 2006, 100, 093513.	2.5	17
86	Magnetic properties of MnGa2Se4 in the temperature range of 2â€“300K. Journal of Applied Physics, 2006, 100, 053907.	2.5	8
87	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
88	Similarities in the Raman RBM and D bands in double-wall carbon nanotubes. Physical Review B, 2005, 72, .	3.2	13
89	IIâ€“VI and II1â^'xMnxVI semiconductor nanocrystals formed by the pressure cycle method. High Pressure Research, 2005, 25, 119-135.	1.2	2
90	MOCVD growth of CdTe on glass: analysis of in situ post-growth annealing. Journal of Crystal Growth, 2004, 262, 19-27.	1.5	18

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91	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
92	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
93	Magnetic phase diagram of MnGa2Se4 compound. Physica B: Condensed Matter, 2004, 346-347, 413-415.	2.7	5
94	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
95	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
96	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
97	Pressure and temperature dependence of the band-gap in CdTe. Physica Status Solidi (B): Basic Research, 2003, 235, 441-445.	1.5	12
98	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
99	Nanocrystals of cdte formed by the pressure cycle method. High Pressure Research, 2003, 23, 29-33.	1.2	2
100	Electronic and Structural High Pressure Properties of CuGaS 2 Chalcopyrite Semiconductor. High Pressure Research, 2002, 22, 361-364.	1.2	0
101	Nanocrystals of CdSe Formed by the Pressure Cycle Method. High Pressure Research, 2002, 22, 271-275.	1.2	1
102	Pressure Dependence of Acoustic Modes in AgGaSe 2. High Pressure Research, 2002, 22, 283-286.	1.2	3
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 the AgGaSe2 compound. Physica B: Condensed Matter, 2001, 305, 191-196.	2.7	9
105	Anharmonic Properties of Soft Modes in CuGaS2 and AgGaS2 Chalcopyrite Semiconductors. Physica Status Solidi (B): Basic Research, 2001, 225, R12-R14.	1.5	7
106	SDW in the 2D Compound CuFeTe2. Hyperfine Interactions, 2001, 134, 115-122.	0.5	9
107	Magnetic behaviour of Cu2FeGeSe4. Journal of Magnetism and Magnetic Materials, 2000, 210, 208-214.	2.3	13
108	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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109	New spin-density waves systems:. Physica B: Condensed Matter, 1999, 259-261, 987-989.	2.7	12
110	MÃ¶ssbauer measurements in CuFeTe2. , 1998, 113, 493-498.		10
111	Pressure dependence of shallow acceptors inCuGa(SxSe1âˆ'x)2alloys. Physical Review B, 1998, 58, 13654-13659.	3.2	3
112	Phonons in silver gallium diselenide. Journal of Physics Condensed Matter, 1997, 9, 6579-6589.	1.8	21
113	Temperature variation of optical energy gap values of the compound CuGaTe2. Journal of Electronic Materials, 1997, 26, 1428-1432.	2.2	13
114	Anharmonic effects in light scattering due to optical phonons inCuGaS2. Physical Review B, 1996, 54, 4707-4713.	3.2	31
115	Optical-absorption spectrum near the exciton band edge inCuGaS2at 5 K. Physical Review B, 1996, 53, 7792-7796.	3.2	30
116	Equation of state and phase transitions in AgGaS2 and AgGaSe2. Journal of Physics and Chemistry of Solids, 1995, 56, 481-484.	4.0	35
117	Hydrostatic Deformation Potentials and Phase Transitions in CuGa(S_xSe_{1âˆ'x})₂ Alloys at High Pressure. Physica Status Solidi (B): Basic Research, 1995, 187, 149-156.	1.5	6
118	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
119	CuGa(SxSe1 âˆ' 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
120	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
121	Evidence for the existence of two electronic states in the chalcopyrite-type alloys CuFe(S1âˆ'zSez)2. Hyperfine Interactions, 1994, 91, 607-612.	0.5	0
122	T(z) diagram and optical energy gap values of Cd1âˆ'zMnzGa2Se4 alloys. Journal of Electronic Materials, 1993, 22, 297-301.	2.2	14
123	Elastic stiffness constants of copper indium diselenide determined by neutron scattering. Physical Review B, 1993, 47, 8269-8272.	3.2	29
124	High-pressure behavior of Raman modes inCuGaS2. Physical Review B, 1992, 46, 15092-15101.	3.2	38
125	Pressure dependence of the RamanA1mode and pressure-induced phase transition inCuInSe2. Physical Review B, 1992, 45, 7022-7025.	3.2	27
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127	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
128	Optical energyâ€gap variation and deformation potentials in CuInTe2. Journal of Applied Physics, 1991, 70, 1451-1454.	2.5	26
129	Magnetic susceptibility, transport and MÃ¶ssbauer measurements in CuFeSe2. Hyperfine Interactions, 1991, 67, 517-521.	0.5	7
130	High-pressure phase transition and phase diagram of gallium arsenide. Physical Review B, 1991, 44, 4214-4234.	3.2	172
131	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
132	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
133	Phase diagram of GaAs. High Pressure Research, 1990, 4, 312-314.	1.2	10
134	Acoustic deformation potentials inAIBIIIC2VIchalcopyrite semiconductors. Physical Review B, 1989, 40, 8552-8554.	3.2	30
135	Optical absorption and phase transitions in CuInSe2and CuInS2single crystals at high pressure. Journal of Applied Physics, 1989, 65, 2031-2034.	2.5	42
136	Electrical properties of semimetallic silicon III and semiconductive silicon IV at ambient pressure. Physical Review Letters, 1987, 59, 473-476.	7.8	175
137	Optical properties and characterization of CuInSe2. Solar Cells, 1986, 16, 335-349.	0.6	55
138	Temperature dependence of the bandgap in CuInSe2. Solar Cells, 1986, 16, 357-362.	0.6	14
139	Electrical transport measurements in a gasketed diamond anvil cell up to 18 GPa. Review of Scientific Instruments, 1986, 57, 106-107.	1.3	28
140	Optical properties and defect chemistry of p-CuInS2. Journal of Physics and Chemistry of Solids, 1984, 45, 1185-1187.	4.0	17
141	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
142	Temperature Dependence of the Energy Gap in Cuinse₂. Physica Status Solidi (B): Basic Research, 1983, 117, K123.	1.5	12
143	Residual Optical Absorption Below the Band Gap in CuInSe₂. Physica Status Solidi (B): Basic Research, 1983, 118, K21.	1.5	7
144	Impurity States Near the Fundamental Absorption Edge in pâ€CuInS₂. Physica Status Solidi (B): Basic Research, 1983, 118, K103.	1.5	2

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145	Reflectance and absorption spectra near the band gap in CuInSe2. Solid State Communications, 1983, 48, 1001-1002.	1.9	3
146	Luminescence and impurity states in CuInSe2. Journal of Applied Physics, 1983, 54, 6634-6636.	2.5	54
147	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
148	Optical Absorption of CuInSe₂ in Bulk Single Crystal. Physica Status Solidi (B): Basic Research, 1981, 108, K19.	1.5	35
149	Photodetecting Properties of CuInSe₂ Homojunctions. Japanese Journal of Applied Physics, 1980, 19, 29.	1.5	22
150	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
151	Structural correlations in Cs_2CuCl_4: Pressure dependence of electronic structures. Papers in Physics, 0, 11, 110004.	0.2	1