Rafael Valiente

List of Publications by Year
in descending order

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143 papers	3,084 citations	159525 30 h-index	223716 46 g-index
149 all docs	149 docs citations	149 times ranked	3667 citing authors

#	Article	IF	Citations
1	Optical spectroscopy of the Sr₄Al₁₄O₂₅:Mn⁴⁺,Cr³⁺ phosphor: pressure and temperature dependences. Journal of Materials Chemistry C, 2022, 10, 6380-6391.	2.7	9
2	Non-resonant energy transfer from Eu3+ to Yb3+ in C-type and B-type (Eu1-Yb)2O3 nanocrystals. Journal of Alloys and Compounds, 2022, 921, 166043.	2.8	1
3	Exploring the local environment of the engineered nanoclay Mica-4 under hydrothermal conditions using Eu3+ as a luminescent probe. Journal of Alloys and Compounds, 2022, 921, 166086.	2.8	3
4	Nd³⁺-Doped Lanthanum Oxychloride Nanocrystals as Nanothermometers. Journal of Physical Chemistry C, 2021, 125, 19887-19896.	1.5	12
5	Targeting Nanomaterials to Head and Neck Cancer Cells Using a Fragment of the Shiga Toxin as a Potent Natural Ligand. Cancers, 2021, 13, 4920.	1.7	11
6	Solid Lipid Particles for Lung Metastasis Treatment. Pharmaceutics, 2021, 13, 93.	2.0	8
7	Adsorptive Capture of Ionic and Non-Ionic Pollutants Using a Versatile Hybrid Amphiphilic-Nanomica. Nanomaterials, 2021, 11, 3167.	1.9	1
8	Understanding the Efficiency of Mn⁴⁺ Phosphors: Study of the Spinel Mg₂Ti_{1â€“x}Mn_xO₄. Journal of Physical Chemistry C, 2021, 125, 27118-27129.	1.5	11
9	Exploiting optical properties of nanopolycrystalline diamond in high pressure experiments. High Pressure Research, 2020, 40, 107-118.	0.4	1
10	Pressure-and temperature induced phase transitions, piezochromism, NLC behaviour and pressure controlled Jahnâ€“Teller switching in a Cu-based framework. Chemical Science, 2020, 11, 8793-8799.	3.7	17
11	Development of an accurate method for dispersion and quantification of carbon nanotubes in biological media. Analytical Methods, 2020, 12, 5642-5647.	1.3	2
12	A Comparative Study on Luminescence Properties of Y2O3: Pr3+ Nanocrystals Prepared by Different Synthesis Methods. Nanomaterials, 2020, 10, 1574.	1.9	13
13	High Pressure optical nanothermometer based on Er³⁺ photoluminescence. Journal of Physics: Conference Series, 2020, 1609, 012004.	0.3	0
14	Structural Correlations in Jahnâ€“Teller Systems of Mn³⁺ and Cu²⁺: Unraveling Local Structures through Spectroscopic Techniques. Journal of Physical Chemistry C, 2020, 124, 22692-22703.	1.5	5
15	Engineering Sub-Cellular Targeting Strategies to Enhance Safe Cytosolic Silica Particle Dissolution in Cells. Pharmaceutics, 2020, 12, 487.	2.0	9
16	A custom-made functionalization method to control the biological identity of nanomaterials. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102268.	1.7	7
17	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.	2.8	22
18	Effect of TiO2 and ZnO Nanoparticles on the Performance of Dielectric Nanofluids Based on Vegetable Esters During Their Aging. Nanomaterials, 2020, 10, 692.	1.9	34

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19	Multi-walled carbon nanotubes complement the anti-tumoral effect of 5-Fluorouracil. Oncotarget, 2019, 10, 2022-2029.	0.8	25
20	Maghemite Nanofluid Based on Natural Ester: Cooling and Insulation Properties Assessment. IEEE Access, 2019, 7, 145851-145860.	2.6	14
21	Magnetic Properties of a Family of [Mn^{III}₄Ln^{III}₄] Wheel Complexes: An Experimental and Theoretical Study. Inorganic Chemistry, 2019, 58, 13815-13825.	1.9	13
22	Eu³⁺ Luminescence in High Charge Mica: An In Situ Probe for the Encapsulation of Radioactive Waste in Geological Repositories. ACS Applied Materials & Interfaces, 2019, 11, 7559-7565.	4.0	22
23	The Effect of Pressure on Halogen Bonding in 4-Iodobenzonitrile. Molecules, 2019, 24, 2018.	1.7	11
24	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>AgBiBr</mml:mi><mml:mn>6</mml:mn></mml:mrow></mml:math>: Electron-phonon and crystal-structure correlations. Physical Review B, 2019, 99, .	1.1	5
25	Upconversion and Optical Nanothermometry in LaGdO₃: Er³⁺ Nanocrystals in the RT to 900 K Range. Journal of Physical Chemistry C, 2019, 123, 29818-29828.	1.5	16
26	Biodegradable multi-walled carbon nanotubes trigger anti-tumoral effects. Nanoscale, 2018, 10, 11013-11020.	2.8	23
27	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, .	1.1	4
28	Highly efficient photoluminescence from isolated Eu³⁺ ions embedded in high-charge mica. Journal of Materials Chemistry C, 2017, 5, 10360-10368.	2.7	10
29	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.	0.5	8
30	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.	0.3	3
31	Tris(bipyridine)Metal(II)-Templated Assemblies of 3D Alkali-Ruthenium Oxalate Coordination Frameworks: Crystal Structures, Characterization and Photocatalytic Activity in Water Reduction. Polymers, 2016, 8, 48.	2.0	21
32	Multiwalled Carbon Nanotubes Inhibit Tumor Progression in a Mouse Model. Advanced Healthcare Materials, 2016, 5, 1080-1087.	3.9	30
33	Structural Metastability and Quantum Confinement in Zn1â€“xCoxO Nanoparticles. Nano Letters, 2016, 16, 5204-5212.	4.5	6
34	Nano-ZnO leads to tubulin macrotube assembly and actin bundling, triggering cytoskeletal catastrophe and cell necrosis. Nanoscale, 2016, 8, 10963-10973.	2.8	57
35	Modeling blue to UV upconversion in Î²-NaYF₄:Tm³⁺. Physical Chemistry Chemical Physics, 2016, 18, 27396-27404.	1.3	29
36	A study of Ce³⁺ to Mn²⁺ energy transfer in high transmission glasses using time-resolved spectroscopy. Journal of Materials Chemistry C, 2016, 4, 9021-9026.	2.7	10

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37	Crystal-Field Theory Validity Through Local (and Bulk) Compressibilities in CoF₂ and KCoF₃. Journal of Physical Chemistry C, 2016, 120, 18788-18793.	1.5	17
38	Solarization-induced redox reactions in doubly Ce3+/Mn2+-doped highly transmission glasses studied by optical absorption and photoluminescence. Solar Energy Materials and Solar Cells, 2016, 157, 42-47.	3.0	7
39	Role of high pressure for understanding luminescent phenomena. Journal of Luminescence, 2016, 169, 410-414.	1.5	2
40	Carbon implanted waveguides in soda lime glass doped with Yb 3+ and Er 3+ for visible light emission. Optics and Laser Technology, 2016, 79, 132-136.	2.2	55
41	Inhibition of Cancer Cell Migration by Multiwalled Carbon Nanotubes. Advanced Healthcare Materials, 2015, 4, 1640-1644.	3.9	29
42	Anti-Cancer Cytotoxic Effects of Multiwalled Carbon Nanotubes. Current Pharmaceutical Design, 2015, 21, 1920-1929.	0.9	25
43	Simulating Energy Transfer and Upconversion in Î²-NaYF₄: Yb³⁺, Tm³⁺. Journal of Physical Chemistry C, 2015, 119, 23648-23657.	1.5	72
44	Control of infrared cross-relaxation in LiNbO_3:Tm^3+ through high-pressure. Optical Materials Express, 2015, 5, 1168.	1.6	5
45	Multiwalled Carbon Nanotubes Hinder Microglia Function Interfering with Cell Migration and Phagocytosis. Advanced Healthcare Materials, 2014, 3, 424-432.	3.9	42
46	Pressure-induced Pr3+ 3P0 luminescence in cubic Y2O3. Journal of Luminescence, 2014, 146, 27-32.	1.5	31
47	Photoluminescence in ZnO:Co²⁺ (0.01%â€“5%) Nanoparticles, Nanowires, Thin Films, and Single Crystals as a Function of Pressure and Temperature: Exploring Electronâ€“Phonon Interactions. Chemistry of Materials, 2014, 26, 1100-1107.	3.2	19
48	Optical nanothermometer based on the calibration of the Stokes and upconverted green emissions of Er³⁺ ions in Y₃Ga₅O₁₂ nano-garnets. RSC Advances, 2014, 4, 57691-57701.	1.7	22
49	High-pressure crystallographic and spectroscopic studies on two molecular dithienylethene switches. CrystEngComm, 2014, 16, 2119-2128.	1.3	15
50	Bulk and Molecular Compressibilities of Organicâ€“Inorganic Hybrids [(CH₃)₄N]₂MnX₄ (X = Cl, Br); Role of Intermolecular Interactions. Inorganic Chemistry, 2014, 53, 10708-10715.	1.9	33
51	Exchange Interactions at the Origin of Slow Relaxation of the Magnetization in {TbCu₃} and {DyCu₃} Single-Molecule Magnets. Inorganic Chemistry, 2014, 53, 8970-8978.	1.9	54
52	Effects 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 ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.1	6
53	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>4</mml:mn>< Carbon-implanted channel waveguides in Er and Yb-Er doped soda lime glass. , 2014, , .		0
54	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, .	1.1	29

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55	Reversibility of the zinc-blende to rock-salt phase transition in cadmium sulfide nanocrystals. Journal of Applied Physics, 2012, 111, .	1.1	14
56	Light-emitting lanthanide-based organicâ€“inorganic hybrids. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s49-s49.	0.3	0
57	Multiwalled Carbon Nanotubes Display Microtubule Biomimetic Properties in Vivo, Enhancing Microtubule Assembly and Stabilization. ACS Nano, 2012, 6, 6614-6625.	7.3	71
58	Pressure effects on Jahn-Teller distortion in perovskites: The roles of local and bulk compressibilities. Physical Review B, 2012, 85, .	1.1	42
59	Unraveling the Coordination Geometry of Copper(II) Ions in Aqueous Solution through Absorption Intensity. Angewandte Chemie - International Edition, 2012, 51, 9335-9338.	7.2	18
60	Self-assembly of ultra-thin lanthanide oxide nanowires via surfactant-mediated imperfect oriented attachment of nanoparticles. CrystEngComm, 2012, 14, 7110.	1.3	20
61	Synthesis, structure and luminescence of Er3+-doped Y3Ga5O12 nano-garnets. Journal of Materials Chemistry, 2012, 22, 13788.	6.7	62
62	Pressure-induced Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>photoluminescence quenching in MgAl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	8
63	Electron pressure on the band gap and the local Fe O <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, .	1.1	53
64	Organicâ€“Inorganic Hybrids Assembled from Lanthanide and 1,4-Phenylenebis(phosphonate). Crystal Growth and Design, 2011, 11, 5289-5297.	1.4	34
65	Temperature and pressure dependence of the optical properties of Cr^{3 +}-doped Gd₃Ga₅O₁₂nanoparticles. Nanotechnology, 2011, 22, 265707.	1.3	33
66	Origin of the High Upconversion Green Luminescence Efficiency in Î²-NaYF₄:2%Er³⁺,20%Yb³⁺. Chemistry of Materials, 2011, 23, 3442-3448.	3.2	213
67	The effect of pressure on the crystal structure of bianthrone. Acta Crystallographica Section B: Structural Science, 2011, 67, 226-237.	1.8	12
68	Spectroscopic study of Cu2+/Cu+ doubly doped and highly transmitting glasses for solar spectral transformation. Solar Energy Materials and Solar Cells, 2011, 95, 2018-2022.	3.0	56
69	Pressure dependence of Raman modes in double wall carbon nanotubes filled with 1D Tellurium. Carbon, 2010, 48, 2566-2572.	5.4	11
70	Origin of the<mml:math 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:mo>â†”</mml:mo><mml:msub><mml:mrow><mml:mmultiscripts><mml:mi>T</mml:mi><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>Fano resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mr	1.1	24
71	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> luminescence sensitized by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Yb</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn> Physical Review B, 2010, 82, .	1.1	48
72	Pressure-induced switching in a copper(ii) citrate dimer. CrystEngComm, 2010, 12, 2516.	1.3	29

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73	Time-resolved spectroscopy in LiCaAlF6doped with Cr3+: dynamical Jahnâ€“Teller effect and thermal shifts associated with the4T2excited state. Journal of Physics Condensed Matter, 2010, 22, 125502.	0.7	6
74	Spectroscopic study of Cu^{2 +}and Cu⁺ions in high-transmission glass. Electronic structure and Cu^{2 +}/Cu⁺concentrations. Journal of Physics Condensed Matter, 2010, 22, 295505.	0.7	20
75	Nanocrystals of ZnO formed by the hot isostatic pressure method. High Pressure Research, 2009, 29, 594-599.	0.4	5
76	Room-temperature green upconversion luminescence in LaMgAl11O19:Mn2+, Yb3+ upon infrared excitation. Applied Physics Letters, 2009, 95, .	1.5	44
77	Optical characterization of fourfold (Td)- and sixfold (Oh)-transition-metal species in MgAl2O4:Co2+ by time-resolved spectroscopy. Journal of Luminescence, 2009, 129, 1602-1605.	1.5	13
78	Optical properties of nanocrystalline-coated Y2O3:Er3+, Yb3+ obtained by mechano-chemical and combustion synthesis. Journal of Luminescence, 2009, 129, 1109-1114.	1.5	18
79	High pressure optical spectroscopy of Ce3+-doped Cs2NaLuCl6. Chemical Physics Letters, 2009, 481, 149-151.	1.2	25
80	Er³⁺luminescence as a sensor of high pressure and strong external magnetic fields. High Pressure Research, 2009, 29, 748-753.	0.4	20
81	Optical energy gap on zinc-blende CdS nanoparticles under high pressure. High Pressure Research, 2009, 29, 482-487.	0.4	5
82	Spectroscopic and luminescence properties of (CH₃)₄NMnCl₃: a sensitive Mn²⁺-based pressure gauge. High Pressure Research, 2009, 29, 653-659.	0.4	12
83	Upconversion Luminescence in Nanocrystals of Gd₃Ga₅O₁₂ and Y₃Al₅O₁₂ Doped with Tb³⁺â^'Yb³⁺ and Eu³⁺â^'Yb³⁺. Journal of Physical Chemistry C, 2009, 113, 12195-12200.	1.5	88
84	Time-resolved spectroscopy in LiCaAlF6 doped with Cr3+ as a function of pressure and temperature. Journal of Luminescence, 2008, 128, 721-724.	1.5	2
85	Temporal dynamics of upconversion luminescence in Er3+, Yb3+ co-doped crystalline KY(WO4)2 thin films. Journal of Luminescence, 2008, 128, 934-936.	1.5	17
86	Absorption and photoluminescence of Eu2+-doped 1-D CsCdBr3 single crystal. Journal of Luminescence, 2008, 128, 937-940.	1.5	2
87	Photoluminescence of MgAl2O4:Co2+through time-resolved spectroscopy under pressure. High Pressure Research, 2008, 28, 553-558.	0.4	3
88	High-pressure induced absorption line narrowing in Cs₃Yb₂Cl₉. Journal of Physics: Conference Series, 2008, 121, 042002.	0.3	1
89	Variation of the Jahnâ€“Teller distortion with pressure in the layered perovskite Rb₂CuCl₄: local and crystal compressibilities. Journal of Physics Condensed Matter, 2007, 19, 346229.	0.7	6
90	Redâ€toâ€Yellow Pressureâ€Induced Phase Transition in Pt(bpy)Cl₂: Spectroscopic Study Supported by DFT Calculations. European Journal of Inorganic Chemistry, 2007, 2007, 5735-5742.	1.0	14

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91	Variation of the Jahnâ€“Teller distortion with pressure in perovskite layers A2CuCl4. Influence on the charge-transfer band. Physica Status Solidi (B): Basic Research, 2007, 244, 156-161.	0.7	15
92	Pressure-induced luminescence from broadband to narrow-line emission in Cr3+-doped LiCaAlF6at room temperature. High Pressure Research, 2006, 26, 345-348.	0.4	4
93	fâ€“d transitions and self-trapped excitons in CsCdBr3:ÂEu2+. Journal of Physics Condensed Matter, 2006, 18, 11139-11148.	0.7	5
94	Single-crystal growth and properties of AgCd2GaS4. Journal of Crystal Growth, 2005, 279, 140-145.	0.7	19
95	Visible Ni2+ upconversion luminescence in Ni2+, Yb3+ co-doped CsCdBr3. Chemical Physics Letters, 2005, 401, 492-496.	1.2	13
96	Yb3+-sensitized visibleNi2+photon upconversion in codopedCsCdBr3andCsMgBr3. Physical Review B, 2005, 72, .	1.1	14
97	Pressure-induced Jahn-Teller suppression inRb2CuCl4(H2O)2: Pseudo-Jahn-Teller effect. Physical Review B, 2004, 70, .	1.1	18
98	Three-dimensional magnetic ordering in the Rb2CuCl4layer perovskiteâ€”structural correlations. Journal of Physics Condensed Matter, 2004, 16, 1927-1938.	0.7	24
99	Near-infrared to green photon upconversion in Mn2+ and Yb3+ doped lattices. Chemical Physics Letters, 2004, 386, 132-136.	1.2	28
100	Low-temperature liquid-phase epitaxy and optical waveguiding of rare-earth-ion-doped KY(WO4)2 thin layers. Journal of Crystal Growth, 2004, 269, 377-384.	0.7	32
101	Low-temperature flux growth of sulfates, molybdates, and tungstates of Ca, Sr, and Ba and investigation of doping with Mn 6+. Applied Physics A: Materials Science and Processing, 2004, 79, 613-618.	1.1	10
102	Pressure dependence of Pt(2,2â€²-bipyridine)Cl2 luminescence. The red complex converts to a yellow form at 17.5 kbar. Chemical Physics Letters, 2004, 384, 190-192.	1.2	24
103	A Big Sunbird. Physics Teacher, 2004, 42, 307-309.	0.2	1
104	Pressure-induced closure of the jahn-teller distortion in Rb2CuCl4(H2O)2. High Pressure Research, 2003, 23, 181-186.	0.4	3
105	CooperativeYb3+â^'Tb3+dimer excitations and upconversion inCs3Tb2Br9:Yb3+. Physical Review B, 2003, 67, .	1.1	51
106	Experiments with the drinking bird. American Journal of Physics, 2003, 71, 1257-1263.	0.3	23
107	Experiments with a sunbird. American Journal of Physics, 2003, 71, 1264-1267.	0.3	2
108	Luminescence upconversion under hydrostatic pressure in the3d-metal systemsTi2+:NaClandNi2+:CsCdCl3. Physical Review B, 2002, 65, .	1.1	15

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109	Phonon-assisted cooperative sensitization of Tb3+ in SrCl2:Yb, Tb. Journal of Physics Condensed Matter, 2002, 14, 5461-5475.	0.7	31
110	Exchange-Induced Upconversion in Rb2MnCl4:Yb3+. Journal of Physical Chemistry B, 2002, 106, 10051-10057.	1.2	61
111	Optical Spectroscopic Study of Al 2 O 3 : Ti 3+ Under Hydrostatic Pressure. High Pressure Research, 2002, 22, 127-130.	0.4	2
112	Optical spectroscopy of Al2O3:Ti3+single crystal under hydrostatic pressure. The influence on the Jahn-Teller coupling. Journal of Physics Condensed Matter, 2002, 14, 447-459.	0.7	30
113	Is it possible to use Charge Transfer Bands to Measure Impurity-Ligand Distances? Experimental and Theoretical Results on Cu 2+ Doped (C 2 H 5 NH 3) 2 CdCl 4. High Pressure Research, 2002, 22, 475-478.	0.4	13
114	Upconversion luminescence in Yb[sup 3+] doped CsMnCl[sub 3]: Spectroscopy, dynamics, and mechanisms. Journal of Chemical Physics, 2002, 116, 5196.	1.2	43
115	Luminescence Upconversion Under High Pressure in Ni 2+ Doped CsCdCl 3. High Pressure Research, 2002, 22, 57-62.	0.4	12
116	Optical spectroscopy of (C2H5NH3)2CdCl4:Cu2+under pressure: Study of Cu2+local structure from theoretical calculations. International Journal of Quantum Chemistry, 2002, 86, 239-244.	1.0	9
117	Near-infrared-to-visible photon upconversion process induced by exchange interactions inYb3+-dopedRbMnCl3. Physical Review B, 2001, 63, .	1.1	48
118	Green and Red Light Emission by Upconversion from the near-IR in Yb3+ Doped CsMnBr3. Inorganic Chemistry, 2001, 40, 4534-4542.	1.9	55
119	Upconversion phenomena in the Yb3+ doped transition metal compounds Rb2MnCl4 and CsMnBr3. Journal of Luminescence, 2001, 94-95, 331-335.	1.5	26
120	Luminescence upconversion mechanisms in Yb3+â€“Tb3+ systems. Journal of Luminescence, 2001, 94-95, 305-309.	1.5	80
121	Influence of hydrostatic pressure on the Jahnâ€“Teller effect in the 4T2g excited state of CrCl63â^' doped Cs2NaScCl6. Journal of Chemical Physics, 2001, 115, 3819-3826.	1.2	48
122	Optical spectroscopy of theNi2+-doped layer perovskitesRb2MCl4(M=Cd,Mn):Effects ofNi2+â^'Mn2+exchange interactions on theNi2+absorption, luminescence, and upconversion properties. Physical Review B, 2001, 64, .	1.1	20
123	EPR Study of Cu2+ Doped (CnH2n+1NH3)2CdCl4 Crystals (n=1;3) with Layer Structure. , 2001, , 221-228.		3
124	New photon upconversion processes in Yb3+ doped CsMnCl3 and RbMnCl3. Chemical Physics Letters, 2000, 320, 639-644.	1.2	57
125	A XANES study of the Cu K-edge in A2CuCl4perovskite layers under pressure. Influence of antiferrodistortive structure. High Pressure Research, 2000, 18, 165-171.	0.4	0
126	Thermochromic properties of the ferroelectric -doped : study of the temperature-induced dichroism. Journal of Physics Condensed Matter, 1999, 11, 2595-2606.	0.7	4

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127	Electron-phonon coupling in charge-transfer and crystal-field states of Jahn-TellerCuCl64â˜systems. Physical Review B, 1999, 60, 9423-9429.	1.1	74
128	Effect of pressure on the Clâ˜â†'Cu2+ charge transfer in A2CuCl4 layer perovskites (A=CnH2n+1NH3, n=2,) Tj ETQq0 0 0 rgBT /Overloch 265, 176-180.	1.3	10
129	Dependence of the Cl^{â˜'}â†' Cu²⁺charge transfer with hydrostatic pressure in the pure and Cu-doped A₂MCl₄(M = Mn, Cd, Cu) layer perovskite. Structural correlations. Radiation Effects and Defects in Solids, 1999, 151, 285-291.	0.4	1
130	Study of the local structure of Jahn-Teller distorted CuX^{2-M}₄(X = Cl, Br) systems by polarized charge transfer spectroscopy: Influence of chemical pressure along A₂MX₄(M = Mn, Zn, Cd, Hg). Radiation Effects and Defects in Solids, 1999, 149, 81-87.	0.4	0
131	Effects of chemical pressure on the charge-transfer spectra of complexes formed in -doped (M = Zn,) Tj ETQq1 1 0.784314 rgBT /Over	0.7	17
132	Thermally-Induced Dichroism in Cu2+Doped [(CH3)4N]HgBr3: Study of the Thermochromic Properties*. Zeitschrift Fur Physikalische Chemie, 1997, 201, 159-164.	1.4	1
133	Study of Bidimensional (CH₃NH₃)₂CdCl₄: Cu²⁺ and (CH₃NH₃)₂CuCl₄. Materials Science Forum, 1997, 239-241, 729-732.	0.3	8
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