Wieslaw Strek

List of Publications by Year
in descending order

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457	10,213	41258	76769
papers	citations	49 h-index	74 g-index

472	472	472	7921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Persistent luminescence phenomena in materials doped with rare earth ions. Journal of Solid State Chemistry, 2003, 171, 114-122.	1.4	453
2	Neodymium(iii) doped fluoride nanoparticles as non-contact optical temperature sensors. Nanoscale, 2012, 4, 6959.	2.8	333
3	Near infrared absorbing near infrared emitting highly-sensitive luminescent nanothermometer based on Nd³⁺ to Yb³⁺ energy transfer. Physical Chemistry Chemical Physics, 2015, 17, 24315-24321.	1.3	173
4	A new generation of highly sensitive luminescent thermometers operating in the optical window of biological tissues. Journal of Materials Chemistry C, 2016, 4, 5559-5563.	2.7	148
5	Up-conversion FRET from Er3+/Yb3+:NaYF4 Nanophosphor to CdSe Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 17535-17541.	1.5	137
6	Laser-induced white-light emission from graphene ceramicsâ€“opening a band gap in graphene. Light: Science and Applications, 2015, 4, e237-e237.	7.7	122
7	Optimization of highly sensitive YAG:Cr³⁺,Nd³⁺ nanocrystal-based luminescent thermometer operating in an optical window of biological tissues. Physical Chemistry Chemical Physics, 2017, 19, 7343-7351.	1.3	121
8	Sensitivity of a Nanocrystalline Luminescent Thermometer in High and Low Excitation Density Regimes. Journal of Physical Chemistry C, 2016, 120, 8877-8882.	1.5	120
9	Synthesis and optical properties of Nd3+-doped Y3Al5O12 nanoceramics. Journal of Alloys and Compounds, 2002, 341, 183-186.	2.8	112
10	Spectroscopic Properties of Lu2O3/Eu3+Nanocrystalline Powders and Sintered Ceramics. Journal of Physical Chemistry B, 2002, 106, 3805-3812.	1.2	108
11	Method of preparation and structural properties of transparent YAG nanoceramics. Optical Materials, 2007, 29, 1252-1257.	1.7	97
12	White emission of lithium ytterbium tetraphosphate nanocrystals. Optics Express, 2011, 19, 14083.	1.7	85
13	The influence of Nd³⁺ concentration and alkali ions on the sensitivity of non-contact temperature measurements in ALaP₄O₁₂:Nd³⁺ (A = Li, K, Na, Rb) nanocrystalline luminescent thermometers. Journal of Materials Chemistry C, 2016, 4, 11284-11290.	2.7	84
14	Optical properties of Eu(III) chelates trapped in silica gel glasses. Optical Materials, 1999, 13, 41-48.	1.7	83
15	The size-effect on luminescence properties of BaTiO3:Eu3+ nanocrystallites prepared by the solâ€“gel method. Journal of Alloys and Compounds, 2004, 380, 348-351.	2.8	83
16	Photoluminescence and cathodoluminescence properties of Y2O3:Eu nanophosphors prepared by combustion synthesis. Journal of Luminescence, 2007, 122-123, 776-779.	1.5	83
17	Site selection spectroscopy of Cr3+ in MgAl2O4 green spinel. Journal of Luminescence, 1996, 68, 91-103.	1.5	81
18	Rare-Earth Doped Nanocrystalline Phosphors for Field Emission Displays. Journal of Nanomaterials, 2007, 2007, 1-7.	1.5	78

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19	Antimicrobial graphene family materials: Progress, advances, hopes and fears. Advances in Colloid and Interface Science, 2016, 236, 101-112.	7.0	78
20	Energy Migration Up-conversion of Tb³⁺ in Yb³⁺ and Nd³⁺ Codoped Active-Core/Active-Shell Colloidal Nanoparticles. Chemistry of Materials, 2016, 28, 2295-2300.	3.2	75
21	Power dependence of luminescence of Tb3+-doped KYb(WO4)2 crystal. Journal of Luminescence, 2001, 92, 229-235.	1.5	74
22	Luminescence properties of Tb3+:Y3Al5O12 nanocrystallites prepared by the solâ€“gel method. Optical Materials, 2004, 26, 117-121.	1.7	74
23	Optically stimulated heating using Nd3+ doped NaYF4 colloidal near infrared nanophosphors. Applied Physics B: Lasers and Optics, 2011, 103, 847-852.	1.1	71
24	Laser induced white lighting of graphene foam. Scientific Reports, 2017, 7, 41281.	1.6	70
25	Comparison of different NaGdF4:Eu3+ synthesis routes and their influence on its structural and luminescent properties. Journal of Physics and Chemistry of Solids, 2005, 66, 1008-1019.	1.9	68
26	Spectroscopy of Eu-doped Lu2O3-based X-ray phosphor. Journal of Alloys and Compounds, 2002, 341, 385-390.	2.8	67
27	Synthesis, crystalline structure and photoluminescence investigations of the new trivalent rare earth complexes (Sm3+, Eu3+ and Tb3+) containing 2-thiophenecarboxylate as sensitizer. Inorganica Chimica Acta, 2004, 357, 451-460.	1.2	67
28	The impact of shell host (NaYF₄/CaF₂) and shell deposition methods on the up-conversion enhancement in Tb³⁺, Yb³⁺codoped colloidal Î±-NaYF₄coreâ€“shell nanoparticles. Nanoscale, 2014, 6, 1855-1864.	2.8	67
29	Emission properties of nanostructured Eu3+ doped zinc aluminate spinels. Journal of Alloys and Compounds, 2000, 300-301, 456-458.	2.8	63
30	Anti-Stokes bright yellowish emission of NdAlO3 nanocrystals. Journal of Applied Physics, 2012, 111, .	1.1	61
31	The impact of nanocrystals size on luminescent properties and thermometry capabilities of Cr, Nd doped nanophosphors. Sensors and Actuators B: Chemical, 2017, 238, 381-386.	4.0	61
32	Precursor and Solvent Effects in the Nonhydrolytic Synthesis of Complex Oxide Nanoparticles for Bioimaging Applications by the Ether Elimination (Bradley) Reaction. Chemistry - A European Journal, 2009, 15, 6820-6826.	1.7	59
33	Shaping Luminescent Properties of Yb³⁺ and Ho³⁺ Coâ€Doped Upconverting Coreâ€“Shell Î²â€NaYF₄ Nanoparticles by Dopant Distribution and Spacing. Small, 2017, 13, 1701635.	5.2	57
34	Possible electrochemical origin of ferroelectricity in HfO2 thin films. Journal of Alloys and Compounds, 2020, 830, 153628.	2.8	57
35	Optical behavior of Eu3+-doped BaTiO3 nano-crystallites prepared by solâ€“gel method. Optical Materials, 2003, 24, 15-22.	1.7	56
36	Structural and luminescent properties of nano-sized NaGdF4:Eu3+ synthesised by wet-chemistry route. Journal of Alloys and Compounds, 2004, 380, 315-320.	2.8	56

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37	Controlling luminescence colour through concentration of Dy³⁺ ions in LiLa_{1â^'x}Dy_xP₄O₁₂ nanocrystals. Journal of Materials Chemistry C, 2014, 2, 5704-5708.	2.7	56
38	Laser operation and Raman self-frequency conversion in Yb:KYW microchip laser. Applied Physics B: Lasers and Optics, 2002, 75, 795-797.	1.1	55
39	Synthesis and spectroscopic properties of CaTiO3 nanocrystals doped with Pr3+ ions. Journal of Alloys and Compounds, 2008, 451, 595-599.	2.8	55
40	Cooperative processes in KYb(WO4)2 crystal doped with Eu3+ and Tb3+ ions. Journal of Luminescence, 2000, 87-89, 999-1001.	1.5	54
41	Synthesis and spectral properties of colloidal Nd3+ doped NaYF4 nanocrystals. Optical Materials, 2011, 33, 1481-1486.	1.7	54
42	Hydrothermal preparation and photoluminescent properties of MgAl2O4: Eu3+ spinel nanocrystals. Journal of Luminescence, 2010, 130, 434-441.	1.5	53
43	Synthesis and antibacterial activity of novel titanium dioxide doped with silver. Journal of Sol-Gel Science and Technology, 2012, 62, 79-86.	1.1	53
44	Infrared laser stimulated broadband white emission of Yb3+:YAG nanoceramics. Optical Materials, 2013, 35, 2013-2017.	1.7	53
45	Broadband anti-Stokes white emission of Sr₂CeO₄ nanocrystals induced by laser irradiation. Physical Chemistry Chemical Physics, 2016, 18, 27921-27927.	1.3	53
46	Luminescence properties of europium activated SrIn2O4. Journal of Alloys and Compounds, 2005, 394, 88-92.	2.8	52
47	Energy transfer between Tb3+ and Eu3+ in Y2O3 crystals. Journal of Luminescence, 1988, 39, 215-221.	1.5	51
48	Nanomaterials containing rare-earth ions Tb, Eu, Er and Yb: preparation, optical properties and application potential. Journal of Luminescence, 2003, 102-103, 391-394.	1.5	50
49	Synthesis and luminescence properties of Eu3+-doped LaAlO3 nanocrystals. Journal of Alloys and Compounds, 2006, 408-412, 828-830.	2.8	50
50	Giant enhancement of upconversion in ultra-small Er³⁺/Yb³⁺:NaYF₄nanoparticles via laser annealing. Nanotechnology, 2012, 23, 145705.	1.3	50
51	Properties of Tb-doped vacuum-sintered Lu2O3 storage phosphor. Journal of Applied Physics, 2003, 94, 1318-1324.	1.1	49
52	IR and Raman spectroscopy study of YAG nanoceramics. Chemical Physics Letters, 2010, 494, 279-283.	1.2	49
53	Optical properties of chromium(III) in trigonal KAl(MoO4)2 and monoclinic NaAl(MoO4)2 hosts. Journal of Luminescence, 2000, 92, 151-159.	1.5	48
54	Optical properties of SiO2â€“TiO2 thin film waveguides obtained by the solâ€“gel method and their applications for sensing purposes. Optical Materials, 2005, 27, 1501-1505.	1.7	47

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55	Photoluminescence from GaN nanopowder: The size effect associated with the surface-to-volume ratio. Applied Physics Letters, 2006, 88, 181916.	1.5	46
56	The Structure and Spectroscopic Properties of Al2-xCrx(WO4)3 Crystals in Orthorhombic and Monoclinic Phases. Journal of Solid State Chemistry, 1993, 105, 49-69.	1.4	45
57	Photoluminescence and cathodoluminescence of Tb-doped Al2O3â€“ZrO2 nanostructures obtained by solâ€“gel method. Chemical Physics, 2003, 291, 275-285.	0.9	45
58	Heteroleptic metal alkoxide â€œoxoclustersâ€•as molecular models for the solâ€“gel synthesis of perovskite nanoparticles for bio-imaging applications. Dalton Transactions, 2008, , 3412.	1.6	45
59	Sensing abilities of materials prepared by solâ€“gel technology. Journal of Sol-Gel Science and Technology, 2009, 50, 201-215.	1.1	45
60	Water dispersible LiNdP 4 O 12 nanocrystals: New multifunctional NIRâ€“NIR luminescent materials for bio-applications. Journal of Luminescence, 2016, 176, 144-148.	1.5	45
61	Temperature of broadband anti-Stokes white emission in LiYbP4O12: Er nanocrystals. Applied Physics Letters, 2014, 105, .	1.5	43
62	Size effects on optical properties of Lu2O3:Eu3+ nanocrystallites. Journal of Alloys and Compounds, 2002, 344, 332-336.	2.8	41
63	Bright upconversion emission of Nd3+ in LiLa1â^'xNdxP4O12 nanocrystalline powders. Optical Materials, 2011, 33, 1492-1494.	1.7	41
64	Thermal sensor based on luminescence of Ru(bpy)32+ entrapped in sol-gel glasses. Journal of Luminescence, 1997, 72-74, 226-228.	1.5	40
65	Structural and luminescent properties of nanostructured KGdF4:Eu3+ synthesised by coprecipitation method. Journal of Alloys and Compounds, 2004, 380, 321-326.	2.8	40
66	Fabrication and luminescence studies of Ce:Y3Al5O12 transparent nanoceramic. Optical Materials, 2008, 30, 714-718.	1.7	40
67	Synthesis, Structure, and Optical Properties of LiEu(PO₃)₄Nanoparticles. Inorganic Chemistry, 2011, 50, 1321-1330.	1.9	40
68	Upconversion emission in CaTiO3:Er3+ nanocrystals. Journal of Luminescence, 2008, 128, 797-799.	1.5	39
69	Fluorescence resonance energy transfer in a non-conjugated system of CdSe quantum dots/zinc-phthalocyanine. Journal of Luminescence, 2010, 130, 2487-2490.	1.5	39
70	Analysis of absorption and luminescence spectra of U3+ doped Cs2NaYCl6 and Cs2LiYCl6 single crystals. Journal of Chemical Physics, 1998, 108, 10181-10188.	1.2	38
71	Microstructure and luminescence properties of nanocrystalline cerium silicates. Journal of Alloys and Compounds, 2002, 341, 203-207.	2.8	38
72	Fluorescence quenching in neodymium pentaphosphate. Physica Status Solidi A, 1977, 41, 547-553.	1.7	37

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73	Luminescence studies of Cr3+ doped MgAl2O4 nanocrystalline powders. Chemical Physics, 2009, 358, 52-56.	0.9	37
74	Effect of random distribution and molecular interactions on optical properties of Er3+ dopant in KY(WO4)2 and Ho3+ in KYb(WO4)2. Journal of Molecular Structure, 1998, 450, 179-192.	1.8	36
75	Nature and optical behaviour of heavily europium-doped silica glasses obtained by the solâ€“gel method. Journal of Non-Crystalline Solids, 2002, 298, 146-152.	1.5	36
76	Sintering properties of urea-derived Lu2O3-based phosphors. Journal of Alloys and Compounds, 2002, 341, 391-394.	2.8	36
77	Spectral properties of Eu3+ doped NaGdF4 nanocrystals. Journal of Luminescence, 2005, 114, 247-254.	1.5	36
78	Luminescence and excitation spectra of Cr3+:MgAl2O4 nanoceramics. Materials Chemistry and Physics, 2013, 140, 222-227.	2.0	36
79	Hydroxyapatites and Europium(III) Doped Hydroxyapatites as a Carrier of Silver Nanoparticles and Their Antimicrobial Activity. Journal of Biomedical Nanotechnology, 2012, 8, 605-612.	0.5	35
80	Thulium concentration quenching in the up-converting Î±-Tm3+/Yb3+ NaYF4 colloidal nanocrystals. Optical Materials, 2013, 35, 1124-1128.	1.7	35
81	Two blinking mechanisms in highly confined AgInS₂and AgInS₂/ZnS quantum dots evaluated by single particle spectroscopy. Nanoscale, 2016, 8, 4151-4159.	2.8	35
82	Study on the Properties of Waste Apatite Phosphogypsum as a Raw Material of Prospective Applications. Waste and Biomass Valorization, 2019, 10, 3143-3155.	1.8	35
83	Synthesis and properties of an inorganicâ€“organic hybrid prepared by the solâ€“gel method. Optical Materials, 2004, 26, 207-211.	1.7	34
84	Luminescence properties of Nd:YAG nanoceramics prepared by low temperature high pressure sintering method. Optical Materials, 2007, 29, 1244-1251.	1.7	33
85	Role of the Sintering Temperature and Doping Level in the Structural and Spectral Properties of Eu-Doped Nanocrystalline YVO₄. Inorganic Chemistry, 2012, 51, 1180-1186.	1.9	33
86	Laser-induced hot emission in Nd3Â/Yb3Â: YAG nanocrystallite ceramics. Journal Physics D: Applied Physics, 2002, 35, 2503-2507.	1.3	32
87	Spectroscopic investigations of nanostructured LiNbO3 doped with Eu3+. Journal of Luminescence, 2006, 119-120, 219-223.	1.5	32
88	The effect of pumping power on fluorescence behavior of LiNdP4O12 nanocrystals. Optical Materials, 2011, 33, 1097-1101.	1.7	32
89	Optically stimulated persistent luminescence of europium-doped LaAlO₃ nanocrystals. Physical Chemistry Chemical Physics, 2015, 17, 17246-17252.	1.3	32
90	The role of Ca2+ ions in the formation of high optical quality Cr4+,Ca:YAG ceramics. Journal of the European Ceramic Society, 2019, 39, 3344-3352.	2.8	32

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91	Nanoscale ferroelectricity in pseudo-cubic sol-gel derived barium titanate - bismuth ferrite (BaTiO3â€“) Tj ETQq1 1 0.784314 rgBT /Ov	2.8	32
92	Laserâ€excited luminescence in Tiâ€doped MgAl2O4spinel. Journal of Applied Physics, 1990, 68, 736-740.	1.1	31
93	Spectroscopic Properties and Magnetic Phase Transitions in Scheelite MICr(MoO4)2 and Wolframite MICr(WO4)2 Crystals, where MI=Li, Na, K, and Cs. Journal of Solid State Chemistry, 1999, 148, 468-478.	1.4	31
94	Ternary orthophosphates of the Ba3Y1â˜'Nd (PO4)3 family as possible powder laser materials. Journal of Alloys and Compounds, 2002, 341, 371-375.	2.8	31
95	Structural and spectroscopic studies of Lu2O3/Eu3+ nanocrystallites embedded in SiO2 solâ€“gel ceramics. Journal of Physics and Chemistry of Solids, 2003, 64, 111-119.	1.9	31
96	Spectroscopic properties of LaAlO3 nanocrystals doped with Tb3+ ions. Journal of Luminescence, 2007, 122-123, 780-783.	1.5	31
97	The influence of the specific surface of grains on the luminescence properties of Nd3+-doped Y3Al5O12 nanopowders. Applied Physics B: Lasers and Optics, 2008, 91, 89-93.	1.1	31
98	Tuning luminescence properties of Eu3+ doped CaAl2O4 nanophosphores with Na+ co-doping. Journal of Luminescence, 2013, 133, 102-109.	1.5	31
99	Physicochemical properties of Ru(bpy)32+ entrapped in silicate bulks and fiber thin films prepared by the solâ€“gel method. Chemical Physics Letters, 1999, 314, 83-90.	1.2	30
100	Structural and luminescence properties of Eu3+ doped BaxSr1â˜'xTiO3 (BST) nanocrystalline powders prepared by different methods. Optical Materials, 2006, 28, 1284-1288.	1.7	30
101	Laser induced white emission generated by infrared excitation from Eu3+:Sr2CeO4 nanocrystals. Journal of Chemical Physics, 2017, 146, 104705.	1.2	30
102	The concentration dependent up-conversion luminescence of Ho3+ and Yb3+ co-doped Î²-NaYF4. Journal of Luminescence, 2017, 182, 114-122.	1.5	30
103	Influence of calcium concentration on formation of tetravalent chromium doped Y3Al5O12 ceramics. Ceramics International, 2018, 44, 13513-13519.	2.3	30
104	Annihilation of the persistent luminescence of MAl2O4:Eu2+ by Sm3+ co-doping. Radiation Measurements, 2004, 38, 515-518.	0.7	29
105	Synthesis and optical properties of Eu3+ and Tb3+ doped GaN nanocrystallite powders. Optical Materials, 2006, 28, 767-770.	1.7	29
106	Photoluminescence investigations of Eu3+ doped BaTiO3 nanopowders fabricated using heterometallic tetranuclear alkoxide complexes. Journal of Alloys and Compounds, 2008, 451, 557-562.	2.8	29
107	Preparation and Spectroscopy Characterization of Eu:MgAl₂O₄ Nanopowder Prepared by Modified Pechini Method. Journal of Nanoscience and Nanotechnology, 2009, 9, 5803-5810.	0.9	29
108	Textile with silver silica spheres: its antimicrobial activity against EscherichiaÂcoli and StaphylococcusÂaureus. Journal of Sol-Gel Science and Technology, 2009, 51, 330-334.	1.1	29

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109	Luminescence properties of Cr3+:Y3Al5O12 nanocrystals. Journal of Luminescence, 2009, 129, 548-553.	1.5	29
110	Enhancement of luminescence properties of Eu3+:YVO4 in polymeric nanocomposites upon UV excitation. Journal of Luminescence, 2011, 131, 473-476.	1.5	29
111	Comparative studies on structural and luminescent properties of Eu3+:MgAl2O4 and Eu3+/Na+:MgAl2O4 nanopowders and nanoceramics. Optical Materials, 2012, 35, 130-135.	1.7	29
112	Influence of grain size on optical properties of Sr2CeO4 nanocrystals. Journal of Chemical Physics, 2015, 142, 184701.	1.2	29
113	Electronic properties and third-order optical nonlinearities in tetragonal chalcopyrite AgInS₂, AgInS₂/ZnS and cubic spinel AgIn₅S₈, AgIn₅S₈/ZnS quantum dots. Journal of Materials Chemistry C, 2017, 5, 149-158.	2.7	29
114	Structure and properties of the KNbW2O9 hexagonal bronze doped with Eu3+ ions as an optically active probe. Journal of Alloys and Compounds, 2004, 380, 248-254.	2.8	28
115	Simple and Efficient Synthesis of a Nd:LaAlO₃ NIR Nanophosphor from Rare Earth Alkoxo-Monoaluminates Ln₂Al₂(OⁱPr)₁₂(ⁱPrOH)₂ Single Source Precursors by Bradley Reaction. Inorganic Chemistry, 2010, 49, 2684-2691.	1.9	28
116	Energy up-conversion in Tb3+/Yb3+ co-doped colloidal Î±-NaYF4 nanocrystals. Journal of Luminescence, 2013, 140, 103-109.	1.5	28
117	Influence concentration of Nd 3+ ion on the laser induced white emission of Y 2 Si 2 O 7 :Nd 3+. Optical Materials, 2017, 74, 135-138.	1.7	28
118	Synthesis and luminescence properties of LiLa1â^'xNdxP4O12 nanocrystals. Optical Materials, 2010, 33, 131-135.	1.7	27
119	Yb³⁺ Ions Distribution in YAG Nanoceramics Analyzed by Both Optical and TEM-EDX Techniques. Journal of Physical Chemistry C, 2014, 118, 15474-15486.	1.5	27
120	Broadband laser induced white emission observed from Nd3+ doped Sr2CeO4 nanocrystals. Journal of Luminescence, 2017, 192, 243-249.	1.5	27
121	Title is missing!. Journal of Sol-Gel Science and Technology, 1998, 13, 611-615.	1.1	26
122	Antimicrobial PDT with chlorophyll-derived photosensitizer and semiconductor laser. Medical Laser Application: International Journal for Laser Treatment and Research, 2006, 21, 177-183.	0.4	26
123	Change in photoluminescence spectra of Eu-doped GaN powders due to the aggregation of nanosized grains into micrometer-sized conglomerations. Applied Physics Letters, 2006, 88, 061916.	1.5	26
124	Optical investigation of the emission lines for Eu3+ and Tb3+ ions in the GaN powder host. Journal of Luminescence, 2007, 126, 219-224.	1.5	26
125	Investigation of Structure, Morphology, and Luminescence Properties in Blueâ€Red Emitter, Europiumâ€Activated ZnAl₂O₄ Nanospinels. European Journal of Inorganic Chemistry, 2012, 2012, 3418-3426.	1.0	26
126	Morphology- and size-dependent spectroscopic properties of Eu3+-doped Gd2O3 colloidal nanocrystals. Journal of Nanoparticle Research, 2014, 16, 2690.	0.8	26

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127	Optical nonlinearities and two-photon excited time-resolved luminescence in colloidal quantum-confined CuInS₂/ZnS heterostructures. RSC Advances, 2014, 4, 34065.	1.7	26
128	Kinetics of Cr3+ to Cr4+ ion valence transformations and intra-lattice cation exchange of Cr4+ in Cr,Ca:YAG ceramics used as laser gain and passive Q-switching media. Journal of Chemical Physics, 2019, 151, 134708.	1.2	26
129	Optical properties of Cr3+ in MgAl2O4 spinel. Physica B: Condensed Matter, 1988, 152, 379-384.	1.3	25
130	Infrared induced red luminescence of Eu3+-doped polycrystalline LiNbO3. Applied Physics Letters, 2006, 88, 161118.	1.5	25
131	Luminescence properties of BaMg2Si2O7:Eu2+,Mn2+. Journal of Alloys and Compounds, 2008, 451, 229-231.	2.8	25
132	Ce:Y₃Al₅O₁₂â€“Poly(methyl methacrylate) Composite for White-Light-Emitting Diodes. Journal of Physical Chemistry C, 2014, 118, 9107-9113.	1.5	25
133	New photosensitive nanometric graphite oxide composites as antimicrobial material with prolonged action. Journal of Inorganic Biochemistry, 2016, 159, 142-148.	1.5	25
134	Laser induced broad band anti-Stokes white emission from LiYbF4 nanocrystals. Journal of Rare Earths, 2016, 34, 227-234.	2.5	25
135	Tuning of the up-conversion emission and sensitivity of luminescent thermometer in LiLaP 4 O 12 :Tm,Yb nanocrystals via Eu 3+ dopants. Journal of Luminescence, 2017, 184, 179-184.	1.5	25
136	Concentration dependence of absorption spectra of Pr3+ in LiLa1â^'xPrxP4O12 crystals. Journal of Physics and Chemistry of Solids, 1991, 52, 681-683.	1.9	24
137	Size dependence on infrared spectra of NaGdF4 nanocrystals. Chemical Physics Letters, 2006, 418, 75-78.	1.2	24
138	Luminescence properties of BaTiO3:Eu3+ obtained via microwave stimulated hydrothermal method. Materials Research Bulletin, 2009, 44, 1328-1333.	2.7	24
139	Structural and spectroscopic properties of Yb³⁺-doped MgAl₂O₄nanocrystalline spinel. Dalton Transactions, 2014, 43, 7752-7759.	1.6	24
140	Influence of Cr doping on the phase composition of Cr,Ca:<scp>YAG</scp> ceramics by solid state reaction sintering. Journal of the American Ceramic Society, 2019, 102, 2104-2115.	1.9	24
141	Efficient up-conversion in KYb0.8Eu0.2(WO4)2 crystal. Journal of Alloys and Compounds, 2000, 300-301, 180-183.	2.8	23
142	Spectroscopic studies of chromium-doped silica solâ€“gel glasses. Journal of Non-Crystalline Solids, 2001, 288, 56-65.	1.5	23
143	Preparation and optical properties of nanostructured europium-doped Î³-Al2O3. Journal of Alloys and Compounds, 2002, 341, 358-361.	2.8	23
144	Circularly photostimulated electrogyration in europium- and terbium-doped GaN nanocrystals embedded in a silica xerogel matrix. Journal of Physics Condensed Matter, 2005, 17, 5235-5245.	0.7	23

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145	Effect of grain size and concentration of active ions on structural and optical behavior of Eu3+-doped Y3Al5O12 nanocrystallites. Journal of Luminescence, 2007, 122-123, 91-94.	1.5	23
146	Microwave driven hydrothermal synthesis of Ba1â^'xSrxTiO3 nanoparticles. Materials Research Bulletin, 2007, 42, 1188-1194.	2.7	23
147	Spectroscopic Properties of Co²⁺ Ions in MgAl₂O₄ Spinels. Physica Status Solidi (B): Basic Research, 1994, 182, 241-251.	0.7	22
148	Crystal size dependence of the persistent phosphorescence in Sr2ZnSi2O7: Eu2+, Dy3+. Microelectronics Journal, 2005, 36, 546-548.	1.1	22
149	Second harmonic generation and Yb3+ cooperative emission used as structural probes in size-driven cubicâ€"tetragonal phase transition in BaTiO3 solâ€"gel nanocrystals. Journal of Luminescence, 2006, 119-120, 383-387.	1.5	22
150	Europium-doped silicaâ€"titania thin films obtained by the solâ€"gel method. Optical Materials, 2007, 29, 1103-1106.	1.7	22
151	Luminescence properties of Eu3+:KGd(WO4)2 nanocrystallites. Materials Chemistry and Physics, 2009, 115, 536-540.	2.0	22
152	Ligand-dependent luminescence of ultra-small Eu3+-doped NaYF4 nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1707.	0.8	22
153	Downconversion in Y 2 Si 2 O 7 : Pr 3+ , Yb 3+ polymorphs for its possible application as luminescent concentrators in photovoltaic solar-cells. Journal of Luminescence, 2016, 177, 172-177.	1.5	22
154	Broadband white emission from Yb 3+ doped Sr 2 CeO 4 nanocrystals. Optical Materials, 2017, 65, 95-98.	1.7	22
155	Technology and Applications of Sol-Gel Materials. Radiation Effects and Defects in Solids, 2003, 158, 439-450.	0.4	21
156	Comparison of spectroscopic properties of nanoparticulate Lu2O3:Eu synthesized using different techniques. Journal of Alloys and Compounds, 2004, 380, 123-129.	2.8	21
157	Synthesis and properties of solution-processed Eu3+:BaY2F8. Journal of Luminescence, 2005, 114, 1-8.	1.5	21
158	Synthesis, structure and magnetic properties of BaTiO3 nanoceramics. Chemical Physics Letters, 2008, 452, 144-147.	1.2	21
159	Influence of Pressureâ€Induced Transition from Nanocrystals to Nanoceramic Form on Optical Properties of Ceâ€Doped Y₃Al₅O₁₂. Journal of the American Ceramic Society, 2011, 94, 2135-2140.	1.9	21
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