Dariusz G Hreniak

List of Publications by Year
in descending order

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176 papers	4,215 citations	109137 35 h-index	168136 53 g-index
185 all docs	185 docs citations	185 times ranked	3305 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Synthesis and optical properties of Nd3+-doped Y3Al5O12 nanoceramics. Journal of Alloys and Compounds, 2002, 341, 183-186.	2.8	112
5	Spectroscopic Properties of Lu2O3/Eu3+Nanocrystalline Powders and Sintered Ceramics. Journal of Physical Chemistry B, 2002, 106, 3805-3812.	1.2	108
6	Method of preparation and structural properties of transparent YAG nanoceramics. Optical Materials, 2007, 29, 1252-1257.	1.7	97
7	White emission of lithium ytterbium tetraphosphate nanocrystals. Optics Express, 2011, 19, 14083.	1.7	85
8	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
9	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
10	Rare-Earth Doped Nanocrystalline Phosphors for Field Emission Displays. Journal of Nanomaterials, 2007, 2007, 1-7.	1.5	78
11	Luminescence properties of Tb3+:Y3Al5O12 nanocrystallites prepared by the solâ€“gel method. Optical Materials, 2004, 26, 117-121.	1.7	74
12	Laser induced white lighting of graphene foam. Scientific Reports, 2017, 7, 41281.	1.6	70
13	Spectroscopy of Eu-doped Lu2O3-based X-ray phosphor. Journal of Alloys and Compounds, 2002, 341, 385-390.	2.8	67
14	Anti-Stokes bright yellowish emission of NdAlO3 nanocrystals. Journal of Applied Physics, 2012, 111, .	1.1	61
15	Preparation and optical properties of nanocrystalline and nanoporous Tb doped alumina and zinc aluminate. Journal of Alloys and Compounds, 2001, 323-324, 279-282.	2.8	57
16	Optical behavior of Eu3+-doped BaTiO3 nano-crystallites prepared by solâ€“gel method. Optical Materials, 2003, 24, 15-22.	1.7	56
17	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
18	Infrared laser stimulated broadband white emission of Yb3+:YAG nanoceramics. Optical Materials, 2013, 35, 2013-2017.	1.7	53

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19	Broadband anti-Stokes white emission of Sr₂CeO₄ nanocrystals induced by laser irradiation. Physical Chemistry Chemical Physics, 2016, 18, 27921-27927.	1.3	53
20	Synthesis and luminescence properties of Eu3+-doped LaAlO3 nanocrystals. Journal of Alloys and Compounds, 2006, 408-412, 828-830.	2.8	50
21	Properties of Tb-doped vacuum-sintered Lu2O3 storage phosphor. Journal of Applied Physics, 2003, 94, 1318-1324.	1.1	49
22	Persistent luminescence of Ba2MgSi2O7:Eu2+. Journal of Luminescence, 2007, 122-123, 110-112.	1.5	49
23	Photoluminescence and cathodoluminescence of Tb-doped Al2O3â€“ZrO2 nanostructures obtained by solâ€“gel method. Chemical Physics, 2003, 291, 275-285.	0.9	45
24	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
25	Temperature of broadband anti-Stokes white emission in LiYbP4O12: Er nanocrystals. Applied Physics Letters, 2014, 105, .	1.5	43
26	Size effects on optical properties of Lu2O3:Eu3+ nanocrystallites. Journal of Alloys and Compounds, 2002, 344, 332-336.	2.8	41
27	Bright upconversion emission of Nd3+ in LiLa1â^'xNdxP4O12 nanocrystalline powders. Optical Materials, 2011, 33, 1492-1494.	1.7	41
28	Fabrication and luminescence studies of Ce:Y3Al5O12 transparent nanoceramic. Optical Materials, 2008, 30, 714-718.	1.7	40
29	Structural and optical properties of Vernier phase lutetium oxyfluorides doped with lanthanide ions: interesting candidates as scintillators and X-ray phosphors. Journal of Materials Chemistry, 2012, 22, 10639.	6.7	40
30	The size effect on the energy transfer in Bi3+â€“Eu3+ co-doped GdVO4 nanocrystals. Journal of Materials Chemistry C, 2017, 5, 3014-3023.	2.7	39
31	Microstructure and luminescence properties of nanocrystalline cerium silicates. Journal of Alloys and Compounds, 2002, 341, 203-207.	2.8	38
32	Luminescence studies of Cr3+ doped MgAl2O4 nanocrystalline powders. Chemical Physics, 2009, 358, 52-56.	0.9	37
33	Cytotoxic interactions of bare and coated NaGdF4:Yb3+:Er3+ nanoparticles with macrophage and fibroblast cells. Toxicology in Vitro, 2016, 32, 16-25.	1.1	37
34	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
35	Sintering properties of urea-derived Lu2O3-based phosphors. Journal of Alloys and Compounds, 2002, 341, 391-394.	2.8	36
36	Luminescence properties of Nd:YAG nanoceramics prepared by low temperature high pressure sintering method. Optical Materials, 2007, 29, 1244-1251.	1.7	33

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37	Spectroscopic investigations of nanostructured LiNbO3 doped with Eu3+. Journal of Luminescence, 2006, 119-120, 219-223.	1.5	32
38	The effect of pumping power on fluorescence behavior of LiNdP4O12 nanocrystals. Optical Materials, 2011, 33, 1097-1101.	1.7	32
39	Persistent luminescence from Y3Al2Ga3O12 doped with Ce3+ and Cr3+ after X-ray and blue light irradiation. Journal of Rare Earths, 2019, 37, 1200-1205.	2.5	32
40	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
41	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
42	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
43	Structural and spectroscopic characterization of Lu2O3:Eu nanocrystalline spherical particles. Journal of Physics Condensed Matter, 2004, 16, 6983-6994.	0.7	31
44	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
45	Size-effect on concentration quenching in Yb3+-doped Y3Al5O12 nano-crystals. Journal of Luminescence, 2010, 130, 603-610.	1.5	31
46	Graphene Oxide Carboxymethylcellulose Nanocomposite for Dressing Materials. Materials, 2020, 13, 1980.	1.3	31
47	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
48	Laser induced white emission generated by infrared excitation from Eu3+:Sr2CeO4 nanocrystals. Journal of Chemical Physics, 2017, 146, 104705.	1.2	30
49	Influence of calcium concentration on formation of tetravalent chromium doped Y3Al5O12 ceramics. Ceramics International, 2018, 44, 13513-13519.	2.3	30
50	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
51	Luminescence properties of Cr3+:Y3Al5O12 nanocrystals. Journal of Luminescence, 2009, 129, 548-553.	1.5	29
52	Enhancement of luminescence properties of Eu3+:YVO4 in polymeric nanocomposites upon UV excitation. Journal of Luminescence, 2011, 131, 473-476.	1.5	29
53	Influence of grain size on optical properties of Sr2CeO4 nanocrystals. Journal of Chemical Physics, 2015, 142, 184701.	1.2	29
54	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

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55	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
56	Particle size-related limitations of persistent phosphors based on the doped Y3Al2Ga3O12 system. Scientific Reports, 2021, 11, 141.	1.6	28
57	Synthesis and luminescence properties of LiLa1â^'xNdxP4O12 nanocrystals. Optical Materials, 2010, 33, 131-135.	1.7	27
58	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
59	Broadband laser induced white emission observed from Nd3+ doped Sr2CeO4 nanocrystals. Journal of Luminescence, 2017, 192, 243-249.	1.5	27
60	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
61	Infrared induced red luminescence of Eu3+-doped polycrystalline LiNbO3. Applied Physics Letters, 2006, 88, 161118.	1.5	25
62	Luminescence properties of BaMg2Si2O7:Eu2+,Mn2+. Journal of Alloys and Compounds, 2008, 451, 229-231.	2.8	25
63	Ce:Y₃Al₅O₁₂â€“Poly(methyl methacrylate) Composite for White-Light-Emitting Diodes. Journal of Physical Chemistry C, 2014, 118, 9107-9113.	1.5	25
64	Laser induced broad band anti-Stokes white emission from LiYbF4 nanocrystals. Journal of Rare Earths, 2016, 34, 227-234.	2.5	25
65	Structural and spectroscopic properties of Yb³⁺-doped MgAl₂O₄nanocrystalline spinel. Dalton Transactions, 2014, 43, 7752-7759.	1.6	24
66	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
67	Preparation and optical properties of nanostructured europium-doped Î³-Al2O3. Journal of Alloys and Compounds, 2002, 341, 358-361.	2.8	23
68	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
69	Microwave driven hydrothermal synthesis of Ba1â^'xSrxTiO3 nanoparticles. Materials Research Bulletin, 2007, 42, 1188-1194.	2.7	23
70	Crystal size dependence of the persistent phosphorescence in Sr2ZnSi2O7: Eu2+, Dy3+. Microelectronics Journal, 2005, 36, 546-548.	1.1	22
71	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
72	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

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73	Post-treatment of nanopowders-derived Nd:YAG transparent ceramics by hot isostatic pressing. Ceramics International, 2017, 43, 10013-10019.	2.3	22
74	Broadband white emission from Yb 3+ doped Sr 2 CeO 4 nanocrystals. Optical Materials, 2017, 65, 95-98.	1.7	22
75	Comparison of spectroscopic properties of nanoparticulate Lu2O3:Eu synthesized using different techniques. Journal of Alloys and Compounds, 2004, 380, 123-129.	2.8	21
76	Synthesis, structure and magnetic properties of BaTiO3 nanoceramics. Chemical Physics Letters, 2008, 452, 144-147.	1.2	21
77	Preparation and conductivity measurement of Eu doped BaTiO3 nanoceramic. Journal of Alloys and Compounds, 2006, 408-412, 637-640.	2.8	20
78	Upconversion emission of LiNdP4O12 and KNdP4O12 crystals. Journal of Luminescence, 2013, 133, 57-60.	1.5	20
79	Size and temperature dependence of optical properties of Eu 3+ :Sr 2 CeO 4 nanocrystals for their application in luminescence thermometry. Materials Research Bulletin, 2016, 76, 133-139.	2.7	20
80	The concentration dependence of luminescence of Nd:Y3Al5O12 nanoceramics. Journal of Alloys and Compounds, 2008, 451, 549-552.	2.8	19
81	Size-dependent luminescence in Y2Si2O7 nanoparticles doped with Ce3+ ions. Applied Physics A: Materials Science and Processing, 2010, 99, 871-877.	1.1	19
82	Synthesis and up-conversion luminescence of Er3+ and Y b3+ codoped nanocrystalline tetra-(KLaP4O12) and pentaphosphates (LaP5O14). Journal of Chemical Physics, 2015, 143, 094701.	1.2	19
83	Effect of Ce3+ concentration on persistent luminescence of YAGG:Ce3+,Cr3+,Nd3+ nanophosphors obtained by the co-precipitation method. Optical Materials, 2020, 107, 109956.	1.7	19
84	Photo- and cathodoluminescence properties of Lu2O3:Tb3+ nanocrystallites embedded in TiO2 films on silicon and quartz substrates. Optical Materials, 2004, 26, 129-132.	1.7	18
85	Spectroscopic properties of Yb3+-doped Y3Al5O12 nano-ceramics obtained under different sintering pressures. Radiation Measurements, 2010, 45, 304-306.	0.7	18
86	Synthesis and Nd3+ Luminescence Properties of ALa1â€“xNdxP4O12 (A = Li, Na, K, Rb) Tetraphosphate Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 5160-5167.	1.5	18
87	High-Pressure Induced Structural Decomposition of RE-Doped YAG Nanoceramics. Solid State Phenomena, 2005, 106, 17-22.	0.3	17
88	The fâ€“f Emission of Pr³⁺ Ion as an Optical Probe for the Structural Properties of YAG Nanoceramics. Journal of Nanoscience and Nanotechnology, 2009, 9, 6315-6319.	0.9	17
89	Peculiarities of luminescent properties of cerium doped YAG transparent nanoceramics. Radiation Measurements, 2010, 45, 392-394.	0.7	17
90	Synthesis, structure and NIR luminescence properties of Yb3+ and Bi3+-activated vanadate GdVO4. Journal of Rare Earths, 2016, 34, 837-842.	2.5	16

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91	Optical studies of Y3(Al,Ga)5O12:Ce3+,Cr3+,Nd3+ nano-phosphors obtained by the Pechini method. Journal of Rare Earths, 2019, 37, 1132-1136.	2.5	16
92	Non-conventional Ce:YAG nanostructures via urea complexes. Scientific Reports, 2019, 9, 3368.	1.6	16
93	Effect of annealing treatment on the persistent luminescence of Y3Al2Ga3O12:Ce3+,Cr3+,Pr3+ ceramics. Optical Materials, 2020, 105, 109888.	1.7	16
94	New optical ceramics: High-entropy sesquioxide X2O3 multi-wavelength emission phosphor transparent ceramics. Journal of the European Ceramic Society, 2021, 41, 3621-3628.	2.8	16
95	Luminescence Properties of Tb-Doped Yttrium Disilicate Prepared by the Solâ€“Gel Method. Journal of Sol-Gel Science and Technology, 2004, 32, 195-200.	1.1	15
96	Fabrication and optical properties of transparent Nd3+:YAG nanoceramics. Journal of Luminescence, 2007, 122-123, 70-73.	1.5	15
97	Size effect in luminescent properties of LiNdP4O12 nanocrystals. Optical Materials, 2015, 41, 17-20.	1.7	15
98	Fabrication of Yb:Sc2O3 transparent ceramics from co-precipitated nanopowders: The effect of ammonium hydrogen carbonate to metal ions molar ratio. Optical Materials, 2018, 75, 673-679.	1.7	15
99	Laser induced broadband white emission of Y2Si2O7 nanocrystals. Journal of Rare Earths, 2019, 37, 1196-1199.	2.5	15
100	Impact of the synthesis procedure on the spectroscopic properties of anti-Stokes white emission obtained from Sr2CeO4 phosphor. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111855.	2.0	15
101	Effect of annealing temperature on persistent luminescence of Y3Al2Ga3O12:Cr3+ co-doped with Ce3+ and Pr3+. Optical Materials, 2021, 111, 110522.	1.7	15
102	Hot emission in Nd3+/Yb3+:YAG nanocrystalline ceramics. Journal of Luminescence, 2003, 102-103, 438-444.	1.5	14
103	Low-voltage cathodoluminescence properties of Y3Al5O12:Tb3+ nanopowders. Journal of Alloys and Compounds, 2008, 451, 571-574.	2.8	14
104	Cathodoluminescent properties of Tb3+-doped yttria nanocrystallites. Journal of Rare Earths, 2009, 27, 574-578.	2.5	13
105	Optical properties of Nd3+ in silica ceramics obtained by the solâ€“gel method. Optical Materials, 2002, 19, 175-181.	1.7	12
106	Optimisation of Ligand Exchange Towards Stable Water Suspensions of Crystalline NaYF₄: Er³⁺, Yb³⁺ Nanoluminophors. Journal of Nanoscience and Nanotechnology, 2012, 12, 1886-1891.	0.9	12
107	The effect of surface ligand, solvent and Yb³⁺ co-doping on the luminescence properties of Er³⁺ in colloidal NaGdF₄ nanocrystals. Journal of Materials Chemistry C, 2014, 2, 8244-8251.	2.7	12
108	Synthesis and characterization of monodisperse Eu3+ doped gadolinium oxysulfide nanocrystals. Journal of Rare Earths, 2016, 34, 850-856.	2.5	12

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109	Near-UV sensitized NIR emission in Nd 3+ and Bi 3+ co-doped GdVO 4 phosphors. Optical Materials, 2017, 74, 12-15.	1.7	12
110	New optical tools used for characterization of phase transitions in nonlinear nano-crystals. Example of Yb3+-doped BaTiO3. Journal of Physics Condensed Matter, 2007, 19, 096204.	0.7	11
111	Synthesis and luminescent properties of La_{1â^'x}Nd_xP₅O₁₄ nanocrystals. Physical Chemistry Chemical Physics, 2014, 16, 18004-18009.	1.3	11
112	Synthesis and spectroscopic properties of RbLa1â^'xEuxP4O12 nanocrystals. Journal of Alloys and Compounds, 2015, 624, 210-215.	2.8	11
113	Fabrication of Yb:Sc2O3 laser ceramics by vacuum sintering co-precipitated nano-powders. Optical Materials, 2017, 72, 482-490.	1.7	11
114	Downconversion process in Yb3+doped GdAG nanocrystals. Journal of Luminescence, 2018, 193, 70-72.	1.5	11
115	Luminescence properties of Y3Al5O12:Eu3+-coated submicron SiO2 particles. Journal of Non-Crystalline Solids, 2008, 354, 445-450.	1.5	10
116	Subresonantly excited Nd3+ fluorescence in LiLa1â^'xNdxP4O12 nanocrystals. Chemical Physics Letters, 2013, 583, 151-154.	1.2	10
117	Preparation and Characterization of Yttrium Hydroxide and Oxide Doped with Rare Earth Ions (Eu3+,) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	10
118	Comprehensive study of photoluminescence and cathodoluminescence of YAG:Eu3+ nano- and microceramics. Optical Materials, 2015, 50, 59-64.	1.7	10
119	The impact of Eu 3+ concentration on charge transfer and fâ€“f transitions in KLa 1â^'x Eu x P 4 O 12 nanocrystals. Journal of Luminescence, 2016, 169, 238-244.	1.5	10
120	Luminescent Sr2CeO4 nanocrystals for applications in organic solar cells with conjugated polymers. Journal of Luminescence, 2016, 169, 857-861.	1.5	10
121	Raman Spectra of Molecules Adsorbed on Ag Centers in Sol-Gel Matrices. Journal of Sol-Gel Science and Technology, 2003, 26, 83-88.	1.1	9
122	Influence of coating on the photoluminescence of Tb3+ doped ZnSe/ZnS core-shell quantum dots. Journal of Rare Earths, 2016, 34, 828-832.	2.5	9
123	Spectroscopic and structural properties of polycrystalline Y 2 Si 2 O 7 doped with Er 3+. Journal of Luminescence, 2016, 170, 614-618.	1.5	9
124	Photochemical reduction of methyl viologen in silicate xerogels obtained by the solâ€“gel process. Journal of Molecular Structure, 2001, 597, 273-277.	1.8	8
125	The Effects of Morphology and Linker Length on the Properties of Peptideâ€“Lanthanide Upconversion Nanomaterials as G2 Phase Cell Cycle Inhibitors. European Journal of Inorganic Chemistry, 2015, 2015, 4539-4545.	1.0	8
126	Comment on â€˜A strategy for enhancing the sensitivity of optical thermometers in Î²-NaLuF4:Yb3+/Er3+nanocrystalsâ€™. Journal of Materials Chemistry C, 2016, 4, 4327-4328.	2.7	8

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127	Modulation of thulium upconversion in potassium tetraphosphate (KLaP₄O₁₂) nanocrystals by co-doping with Yb³⁺ ions. Journal of Materials Chemistry C, 2016, 4, 2513-2517.	2.7	8
128	Cathodoluminescence of YAG:Nd optical nanoceramics in the visible and UV ranges. Optical Materials, 2017, 74, 170-175.	1.7	8
129	Biocompatible Carbon-Based Coating as Potential Endovascular Material for Stent Surface. BioMed Research International, 2018, 2018, 1-10.	0.9	8
130	Synthesis of yttrium aluminum garnet nanoparticles in confined environment III: Cerium doping effect. Optical Materials, 2018, 85, 275-280.	1.7	8
131	Fabrication and long persistent luminescence of Ce3+-Cr3+ co-doped yttrium aluminum gallium garnet transparent ceramics. Journal of Rare Earths, 2022, 40, 1699-1705.	2.5	7
132	Structure, Morphology and Luminescence Properties of Pr-Doped Nanocrystalline ZrO₂ Obtained by Hydrothermal Method. Solid State Phenomena, 2003, 94, 141-144.	0.3	6
133	Fabrication of a low-voltage light emitting device based on carbon nanotubes and rare earth doped nanocrystals. , 0, , .		6
134	Synthesis, Structural Characterization, and Emission Properties of NaYF4:Er3+/Yb3+ Upconversion Nanoluminophores. Journal of Electronic Materials, 2016, 45, 4790-4795.	1.0	6
135	Energy transfer study in GdVO4: Bi3+, Yb3+ obtained by microwave-assisted hydrothermal method. Journal of Alloys and Compounds, 2021, 860, 158393.	2.8	6
136	Effect of dopant concentration on the optical characteristics of Cr3+:ZnGa2O4 transparent ceramics exhibiting persistent luminescence. Optical Materials, 2022, 125, 112127.	1.7	6
137	Cathodoluminescence of Lu 2 O 3 :Tb. Radiation Effects and Defects in Solids, 2002, 157, 983-988.	0.4	5
138	Preparation and Optical Properties of Submicron SiO2 Spheres Doped with YAG:Nd3+ Nanocrystallites. Journal of Sol-Gel Science and Technology, 2003, 26, 971-976.	1.1	5
139	Cooperative absorption transitions in LiLa1â^'Nd P4O12 nanocrystals. Journal of Luminescence, 2014, 148, 214-218.	1.5	4
140	Gallato Zirconium (IV) Phtalocyanine Complex Conjugated with SiO2 Nanocarrier as a Photoactive Drug for Photodynamic Therapy of Atheromatic Plaque. Molecules, 2021, 26, 260.	1.7	4
141	Fabrication, properties and possible applications of pure and Eu³⁺ doped SnO<inf>2</inf> and In<inf>2</inf>O<inf>3</inf>/SnO<inf>2</inf> (ITO) nanocrystallites. , 2007. . .		3
142	Fabrication and luminescent properties of (Y0.99Eu0.01)2O3 transparent nanostructured ceramics. Optical Materials, 2018, 78, 285-291.	1.7	3
143	Size-Dependent Persistent Luminescence of YAGG:Cr3+ Nanophosphors. Materials, 2022, 15, 4407.	1.3	3
144	Effect of Nd concentration on persistent luminescence of Y3Al2Ga3O12:Ce3+,Cr3+,Nd3+ ceramics for the near-infrared region. Journal of Luminescence, 2022, 250, 119115.	1.5	3

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145	Spectroscopy and Structure of Eu-Doped Nanostructured Lu2O3. Radiation Effects and Defects in Solids, 2003, 158, 319-324.	0.4	2
146	Cooperative Processes in Nd3â˜Ž/Yb3â˜ŽCo-Doped Yag Nanocrystallites. Radiation Effects and Defects in Solids, 2003, 158, 31-37.	0.4	2
147	The crystal-size and power dependence of luminescence properties of Nd3+:LaAlO 3 nanopowders. , 2004, 5508, 238.		2
148	The influence of sintering temperature and Sn4+concentration on electrical and optical properties of ITO nanocrystallites. Journal of Physics: Conference Series, 2009, 146, 012012.	0.3	2
149	Fabrication and properties of nanocomposite ITO layer containing terbium doped yttrium aluminum garnet nanocrystallites. Proceedings of SPIE, 2009, , .	0.8	2
150	Influence of dopant concentration on spectroscopic properties of Sr 2 CeO 4 :Yb nanocrystals. Optical Materials, 2017, 74, 34-40.	1.7	2
151	Influence of cerium content and heat treatment on Ce:YAG@glass wool nanostructures. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	2
152	Structural and optical characterization of RbLaP4O12:Ln3+ (Ln3+ = Ce3+, Nd3+, Tm3+, or Yb3+). Journal of Chemical Physics, 2019, 150, 094706.	1.2	2
153	Graphene Coating Obtained in a Cold-Wall CVD Process on the Co-Cr Alloy (L-605) for Medical Applications. International Journal of Molecular Sciences, 2021, 22, 2917.	1.8	2
154	Sicilian Byzantine Icons through the Use of Non-Invasive Imaging Techniques and Optical Spectroscopy: The Case of the Madonna dellâ€™Elemosina. Molecules, 2021, 26, 7595.	1.7	2
155	Rare-Earth Doped Nanocrystalline Phosphors for Field Emission Display Application. , 2006, , .		1
156	Fabrication and optical properties of selected coreshell structures with nanocrystalline rare-earth doped phosphors coated with SiO<inf>2</inf> submicron particles. , 2007, , .		1
157	Fabrication and luminescent properties of ITO nanocrystalline coated micro Eu:Y 2 O 3 particles. Proceedings of SPIE, 2008, , .	0.8	1
158	Synthesis and characterization of indium-tin oxide nanostructures. Journal of Physics: Conference Series, 2009, 146, 012033.	0.3	1
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