

Lukasz Marciniak

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#	Paper	IF	Citations
164	A broadening temperature sensitivity range with a core-shell YbEr@YbNd double ratiometric optical nanothermometer. <i>Nanoscale</i> , 2016 , 8, 5037-42	7.7	145
163	Near infrared absorbing near infrared emitting highly-sensitive luminescent nanothermometer based on Nd(3+) to Yb(3+) energy transfer. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 24315-21	3.6	138
162	Standardizing luminescence nanothermometry for biomedical applications. <i>Nanoscale</i> , 2020 , 12, 14405-14421	14.21	119
161	A new generation of highly sensitive luminescent thermometers operating in the optical window of biological tissues. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5559-5563	7.1	119
160	Heterogeneously Nd doped single nanoparticles for NIR-induced heat conversion, luminescence, and thermometry. <i>Nanoscale</i> , 2017 , 9, 8288-8297	7.7	114
159	Sensitivity of a Nanocrystalline Luminescent Thermometer in High and Low Excitation Density Regimes. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8877-8882	3.8	105
158	Size dependent sensitivity of Yb ³⁺ ,Er ³⁺ up-converting luminescent nano-thermometers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7890-7897	7.1	99
157	Laser-induced white-light emission from graphene ceramics opening a band gap in graphene. <i>Light: Science and Applications</i> , 2015 , 4, e237-e237	16.7	98
156	Optimization of highly sensitive YAG:Cr,Nd nanocrystal-based luminescent thermometer operating in an optical window of biological tissues. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7343-7351	3.6	93
155	The influence of manganese concentration on the sensitivity of bandshape and lifetime luminescent thermometers based on YAlO:Mn,Mn,Nd nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9574-9581	3.6	74
154	White emission of lithium ytterbium tetrphosphate nanocrystals. <i>Optics Express</i> , 2011 , 19, 14083-92	3.3	72
153	Luminescence lifetime thermometry with Mn ³⁺ /Mn ⁴⁺ co-doped nanocrystals. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7092-7100	7.1	71
152	Nanocrystalline NIR-to-NIR luminescent thermometer based on Cr ³⁺ ,Yb ³⁺ emission. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 388-393	8.5	60
151	Temperature sensitivity modulation through crystal field engineering in Ga ³⁺ co-doped Gd ₃ Al _{5-x} Ga _x O ₁₂ :Cr ³⁺ , Nd ³⁺ nanothermometers. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 96-102	8.5	57
150	The influence of Nd ³⁺ concentration and alkali ions on the sensitivity of non-contact temperature measurements in ALaP ₄ O ₁₂ :Nd ³⁺ (A = Li, K, Na, Rb) nanocrystalline luminescent thermometers. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11284-11290	7.1	56
149	Controlling luminescence colour through concentration of Dy ³⁺ ions in LiLa _{1-x} Dy _x P ₄ O ₁₂ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5704-5708	7.1	55
148	Anti-Stokes bright yellowish emission of NdAlO ₃ nanocrystals. <i>Journal of Applied Physics</i> , 2012 , 111, 024305	3.05	53

147	Transition Metal Ion-Based Nanocrystalline Luminescent Thermometry in SrTiO ₃ :Ni ²⁺ ,Er ³⁺ Nanocrystals Operating in the Second Optical Window of Biological Tissues. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18646-18653	3.8	52
146	Laser induced white lighting of graphene foam. <i>Scientific Reports</i> , 2017 , 7, 41281	4.9	51
145	New Type of Nanocrystalline Luminescent Thermometers Based on Ti ³⁺ /Ti ⁴⁺ and Ti ⁴⁺ /Ln ³⁺ (Ln ³⁺ = Nd ³⁺ , Eu ³⁺ , Dy ³⁺) Luminescence Intensity Ratio. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14928-14938	3.8	51
144	Engineering excited state absorption based nanothermometry for temperature sensing and imaging. <i>Nanoscale</i> , 2020 , 12, 4667-4675	7.7	50
143	The impact of nanocrystals size on luminescent properties and thermometry capabilities of Cr, Nd doped nanophosphors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 381-386	8.5	49
142	Infrared laser stimulated broadband white emission of Yb ³⁺ :YAG nanoceramics. <i>Optical Materials</i> , 2013 , 35, 2013-2017	3.3	47
141	NIR/NIR photon avalanche based luminescent thermometry with Nd ³⁺ doped nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7568-7575	7.1	46
140	Broadband anti-Stokes white emission of SrCeO nanocrystals induced by laser irradiation. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27921-27927	3.6	43
139	The influence of dopant concentration on temperature dependent emission spectra in LiLa _{1-x-y} EuxTbyP ₄ O ₁₂ nanocrystals: toward rational design of highly-sensitive luminescent nanothermometers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15584-92	3.6	43
138	Lanthanide 9-anthracenate: solution processable emitters for efficient purely NIR emitting host-free OLEDs. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9848-9855	7.1	42
137	Luminescence based temperature bio-imaging: Status, challenges, and perspectives. <i>Applied Physics Reviews</i> , 2021 , 8, 011317	17.3	42
136	Thermochromic Luminescent Nanomaterials Based on Mn/Tb Codoping for Temperature Imaging with Digital Cameras. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44039-44048	9.5	41
135	Phosphor-Assisted Temperature Sensing and Imaging Using Resonant and Nonresonant Photoexcitation Scheme. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43081-43089	9.5	37
134	Structural and optical properties of Vernier phase lutetium oxyfluorides doped with lanthanide ions: interesting candidates as scintillators and X-ray phosphors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10639		37
133	Water dispersible LiNdP ₄ O ₁₂ nanocrystals: New multifunctional NIR/NIR luminescent materials for bio-applications. <i>Journal of Luminescence</i> , 2016 , 176, 144-148	3.8	37
132	Lanthanide complexes with aromatic o-phosphorylated ligands: synthesis, structure elucidation and photophysical properties. <i>Dalton Transactions</i> , 2014 , 43, 3121-36	4.3	36
131	Bright upconversion emission of Nd ³⁺ in LiLa _{1-x} NdxP ₄ O ₁₂ nanocrystalline powders. <i>Optical Materials</i> , 2011 , 33, 1492-1494	3.3	35
130	Temperature of broadband anti-Stokes white emission in LiYbP ₄ O ₁₂ : Er nanocrystals. <i>Applied Physics Letters</i> , 2014 , 105, 173113	3.4	34

129	Lanthanide Complexes with 2-(Tosylamino)-benzylidene-N-(aryloyl)hydrazones: Universal Luminescent Materials. <i>Chemistry of Materials</i> , 2019 , 31, 759-773	9.6	34
128	The influence of grain size and vanadium concentration on the spectroscopic properties of YAG:V3+,V5+ and YAG: V, Ln3+ (Ln3+ = Eu3+, Dy3+, Nd3+) nanocrystalline luminescent thermometers. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 382-390	8.5	32
127	The Impact of Cr Doping on Temperature Sensitivity Modulation in Cr Doped and Cr, Nd Co-doped YAlO, YAlGaO, and YGaO Nanothermometers. <i>Frontiers in Chemistry</i> , 2018 , 6, 424	5	32
126	Near-Infrared-to-Near-Infrared Excited-State Absorption in LaPO4:Nd3+ Nanoparticles for Luminescent Nanothermometry. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4818-4825	5.6	31
125	Lanthanide tetrafluorobenzoates as emitters for OLEDs: New approach for host selection. <i>Organic Electronics</i> , 2017 , 44, 85-93	3.5	30
124	Lanthanide complexes with 2-(tosylamino)benzylidene-N-benzoylhydrazone, which exhibit high NIR emission. <i>Dalton Transactions</i> , 2015 , 44, 12660-9	4.3	30
123	KLaP4O12:Tb3+ Nanocrystals for Luminescent Thermometry in a Single-Band-Ratiometric Approach. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3798-3806	5.6	29
122	The effect of pumping power on fluorescence behavior of LiNdP4O12 nanocrystals. <i>Optical Materials</i> , 2011 , 33, 1097-1101	3.3	29
121	Spectroscopic properties of LaGaO:V,Nd nanocrystals as a potential luminescent thermometer. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 21598-21606	3.6	27
120	Photon avalanche in lanthanide doped nanoparticles for biomedical applications: super-resolution imaging. <i>Nanoscale Horizons</i> , 2019 , 4, 881-889	10.8	26
119	Influence of grain size on optical properties of Sr2CeO4 nanocrystals. <i>Journal of Chemical Physics</i> , 2015 , 142, 184701	3.9	26
118	Synthesis and luminescence properties of LiLa1-xNd-xP4O12 nanocrystals. <i>Optical Materials</i> , 2010 , 33, 131-135	3.3	26
117	Enhancing the sensitivity of a Nd,Yb:YVO nanocrystalline luminescent thermometer by host sensitization. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10532-10539	3.6	23
116	The influence of dopant concentration and grain size on the ability for temperature sensing using nanocrystalline MgAl2O4:Co2+,Nd3+ luminescent thermometers. <i>New Journal of Chemistry</i> , 2019 , 43, 6080-6086	3.6	23
115	Assessing thermometric performance of Sr2CeO4 and Sr2CeO4:Ln3+ (Ln3+ = Sm3+, Ho3+, Nd3+, Yb3+) nanocrystals in spectral and temporal domain. <i>Chemical Engineering Journal</i> , 2020 , 388, 124347	14.7	23
114	Multimodal Stokes and Anti-Stokes luminescent thermometers based on GdP5O14 co-doped with Cr3+ and Nd3+ ions. <i>Chemical Engineering Journal</i> , 2020 , 402, 126197	14.7	22
113	Enhancement of the sensitivity of single band ratiometric luminescent nanothermometers based on Tb ions through activation of the cross relaxation process. <i>Scientific Reports</i> , 2020 , 10, 11190	4.9	21
112	Laser induced broad band anti-Stokes white emission from LiYbF4 nanocrystals. <i>Journal of Rare Earths</i> , 2016 , 34, 227-234	3.7	21

111	Ce:Y ₃ Al ₅ O ₁₂ /Poly(methyl methacrylate) Composite for White-Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9107-9113	3.8	21
110	Nd ³⁺ doped TZPN glasses for NIR operating single band ratiometric approach of contactless temperature readout. <i>Journal of Luminescence</i> , 2020 , 224, 117295	3.8	20
109	Tuning of the up-conversion emission and sensitivity of luminescent thermometer in LiLaP ₄ O ₁₂ :Tm,Yb nanocrystals via Eu ³⁺ dopants. <i>Journal of Luminescence</i> , 2017 , 184, 179-184	3.8	19
108	Synthesis and up-conversion luminescence of Er(3+) and Yb(3+) codoped nanocrystalline tetra-(KLaP ₄ O ₁₂) and pentaphosphates (LaP ₅ O ₁₄). <i>Journal of Chemical Physics</i> , 2015 , 143, 094701	3.9	18
107	Size and temperature dependence of optical properties of Eu ³⁺ :Sr ₂ CeO ₄ nanocrystals for their application in luminescence thermometry. <i>Materials Research Bulletin</i> , 2016 , 76, 133-139	5.1	18
106	Upconversion emission of LiNdP ₄ O ₁₂ and KNdP ₄ O ₁₂ crystals. <i>Journal of Luminescence</i> , 2013 , 133, 57-60; 3.8	3.8	18
105	Structural and Spectroscopic Characterization of Nd ³⁺ -Doped YVO ₄ Yttrium Orthovanadate Nanocrystallites. <i>Crystal Growth and Design</i> , 2014 , 14, 5512-5520	3.5	17
104	Downconversion in Y ₂ Si ₂ O ₇ :Pr ³⁺ , Yb ³⁺ polymorphs for its possible application as luminescent concentrators in photovoltaic solar-cells. <i>Journal of Luminescence</i> , 2016 , 177, 172-177	3.8	17
103	Surface modified Eu:La _{1-x} F ₃ nanoparticles as luminescent biomarkers: Still plenty of room at the bottom. <i>Dyes and Pigments</i> , 2017 , 143, 348-355	4.6	16
102	Optical, luminescent and laser properties of highly transparent ytterbium doped yttrium lanthanum oxide ceramics. <i>Optical Materials</i> , 2015 , 50, 15-20	3.3	15
101	Synthesis and Nd ³⁺ Luminescence Properties of ALa _{1-x} Nd _x P ₄ O ₁₂ (A = Li, Na, K, Rb) Tetrphosphate Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5160-5167	3.8	15
100	Size-dependent luminescence in Y ₂ Si ₂ O ₇ nanoparticles doped with Ce ³⁺ ions. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 99, 871-877	2.6	15
99	Non-contact Mn ²⁺ /Ni ²⁺ Fe ₂ O ₄ ferrite nano-heaters for biological applications [heat energy generated by NIR irradiation. <i>RSC Advances</i> , 2017 , 7, 18162-18171	3.7	14
98	LiAlO ₂ :Fe and LiAlO ₂ :Fe, Nd as a New Luminescent Nanothermometer Operating in 1st Biological Optical Window. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
97	Luminescence investigation of Dy ₂ O ₂ S and Dy ₂ O ₂ SO ₄ obtained by thermal decomposition of sulfate hydrate. <i>Journal of Rare Earths</i> , 2016 , 34, 814-819	3.7	14
96	Step by step designing of sensitive luminescent nanothermometers based on Cr ³⁺ ,Nd ³⁺ co-doped La ₃ Lu ₂ Al ₅ O ₁₂ nanocrystals. <i>New Journal of Chemistry</i> , 2019 , 43, 12614-12622	3.6	13
95	The influence of Eu ³⁺ concentration on the spectroscopic properties of YAG:Ti, Eu ³⁺ nanocrystalline luminescent thermometer. <i>Journal of Luminescence</i> , 2019 , 208, 213-217	3.8	13
94	Enhancing the Relative Sensitivity of V, V and V Based Luminescent Thermometer by the Optimization of the Stoichiometry of YAlGaO Nanocrystals. <i>Nanomaterials</i> , 2019 , 9,	5.4	12

93	The effect of surface ligand, solvent and Yb ³⁺ co-doping on the luminescence properties of Er ³⁺ in colloidal NaGdF ₄ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8244-8251	7.1	12
92	Size effect in luminescent properties of LiNdP ₄ O ₁₂ nanocrystals. <i>Optical Materials</i> , 2015 , 41, 17-20	3.3	12
91	Laser-induced time-resolved luminescence of natural sillimanite Al ₂ SiO ₅ and synthetic Al ₂ SiO ₅ activated by chromium. <i>Journal of Luminescence</i> , 2012 , 132, 2855-2862	3.8	12
90	Correlation between the Covalency and the Thermometric Properties of Yb/Er Codoped Nanocrystalline Orthophosphates. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2659-2665	3.8	12
89	Non-conventional Ce:YAG nanostructures via urea complexes. <i>Scientific Reports</i> , 2019 , 9, 3368	4.9	11
88	Synthesis, Cytotoxicity Assessment and Optical Properties Characterization of Colloidal GdPO ₃ :Mn, Eu for High Sensitivity Luminescent Nanothermometers Operating in the Physiological Temperature Range. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
87	Intentional modification of the optical spectral response and relative sensitivity of luminescent thermometers based on Fe ³⁺ ,Cr ³⁺ ,Nd ³⁺ co-doped garnet nanocrystals by crystal field strength optimization. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1697-1705	7.8	11
86	Spectral and thermometric properties altering through crystal field strength modification and host material composition in luminescence thermometers based on Fe ³⁺ doped AB ₂ O ₄ type nanocrystals (A = Mg, Ca; B = Al, Ga). <i>Journal of Materials Chemistry C</i> , 2021 , 9, 517-527	7.1	11
85	Excited State Absorption for Ratiometric Thermal Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1261-1269	9.5	11
84	Structurally induced tuning of the relative sensitivity of LaScO ₃ :Cr ³⁺ luminescent thermometers by co-doping lanthanide ions. <i>Chemical Engineering Journal</i> , 2021 , 421, 129757	14.7	11
83	From quencher to potent activator □ Multimodal luminescence thermometry with Fe ³⁺ in the oxides MA ₁ AO ₇ (M = Ca, Sr, Ba). <i>Journal of Materials Chemistry C</i> ,	7.1	11
82	Synthesis and luminescent properties of La(1-x)Nd(x)P ₄ O ₁₂ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 18004-9	3.6	10
81	Synthesis and spectroscopic properties of RbLa _{1-x} Eu _x P ₄ O ₁₂ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2015 , 624, 210-215	5.7	10
80	Cr based nanocrystalline luminescent thermometers operating in a temporal domain. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25949-25962	3.6	10
79	Sensitivity Enhancement of the Tb ³⁺ -Based Single Band Ratiometric Luminescent Thermometry by the Metal-to-Metal Charge Transfer Process. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5226-5232	3.8	10
78	Lanthanide dopant stabilized Ti ³⁺ state and supersensitive Ti ³⁺ -based multiparametric luminescent thermometer in SrTiO ₃ :Ln ³⁺ (Ln ³⁺ = Lu ³⁺ , La ³⁺ , Tb ³⁺) nanocrystals. <i>Chemical Engineering Journal</i> , 2022 , 428, 131165	14.7	10
77	Impact of grain size, Pr ³⁺ concentration and host composition on non-contact temperature sensing abilities of polyphosphate nano- and microcrystals. <i>Journal of Rare Earths</i> , 2019 , 37, 812-818	3.7	9
76	Subresonantly excited Nd ³⁺ fluorescence in LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystals. <i>Chemical Physics Letters</i> , 2013 , 583, 151-154	2.5	9

75	The influence of host material on NIR II and NIR III emitting Ni ²⁺ -based luminescent thermometers in ATiO ₃ : Ni ²⁺ (A = Sr, Ca, Mg, Ba) nanocrystals. <i>Journal of Luminescence</i> , 2020 , 223, 117221	3.8	9
74	Optimization of the thermometric performance of single band ratiometric luminescent thermometer based on Tb ³⁺ luminescence by the enhancement of thermal quenching of GSA-excited luminescence in TZPN glass. <i>Journal of Alloys and Compounds</i> , 2021 , 858, 157690	5.7	9
73	The role of surface related quenching in the single band ratiometric approach based on excited state absorption processes in Nd ³⁺ doped phosphors. <i>Materials Research Bulletin</i> , 2021 , 139, 111288	5.1	9
72	Highly sensitive multiparametric luminescent thermometer for biologically-relevant temperatures based on Mn ⁴⁺ , Ln ³⁺ co-doped SrTiO ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2021 , 875, 159973	5.7	9
71	Key factors tuning upconversion and near infrared luminescence in nanosized Lu ₂ O ₃ :Er ³⁺ ,Yb ³⁺ . <i>Journal of Alloys and Compounds</i> , 2019 , 799, 481-494	5.7	8
70	The impact of Eu ³⁺ concentration on charge transfer and f-f transitions in KLa _{1-x} Eu _x P ₄ O ₁₂ nanocrystals. <i>Journal of Luminescence</i> , 2016 , 169, 238-244	3.8	8
69	Preparation and Characterization of Yttrium Hydroxide and Oxide Doped with Rare Earth Ions (Eu ³⁺ , Tb ³⁺) Nano One-dimensional. <i>Physics Procedia</i> , 2015 , 76, 73-79		8
68	Comment on A strategy for enhancing the sensitivity of optical thermometers in [NaLuF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals] <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4327-4328	7.1	8
67	Surface modified Ln _x La _{1-x} F ₃ (Ln = Dy, Yb) nanoparticles: Toward bright NIR luminescence. <i>Dyes and Pigments</i> , 2019 , 160, 890-897	4.6	8
66	Luminescent Sr ₂ CeO ₄ nanocrystals for applications in organic solar cells with conjugated polymers. <i>Journal of Luminescence</i> , 2016 , 169, 857-861	3.8	7
65	Functional up-converting SrTiO ₃ :Er ³⁺ /Yb ³⁺ nanoparticles: structural features, particle size, colour tuning and in vitro RBC cytotoxicity. <i>Dalton Transactions</i> , 2015 , 44, 10267-80	4.3	7
64	Implementing Defects for Ratiometric Luminescence Thermometry. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
63	Spectroscopic and structural properties of polycrystalline Y ₂ Si ₂ O ₇ doped with Er ³⁺ . <i>Journal of Luminescence</i> , 2016 , 170, 614-618	3.8	7
62	Influence of grain size and Nd ³⁺ concentration on the stimulated emission of LiLa _{1-x} Nd _x P ₄ O ₁₂ crystal powders. <i>Optical Materials</i> , 2017 , 63, 46-50	3.3	7
61	Comprehensive study of photoluminescence and cathodoluminescence of YAG:Eu ³⁺ nano- and microceramics. <i>Optical Materials</i> , 2015 , 50, 59-64	3.3	7
60	Fabrication and characterization of up-converting [NaYF ₄ :Er,Yb@NaYF ₄ core-shell nanoparticles for temperature sensing applications. <i>Scientific Reports</i> , 2020 , 10, 14672	4.9	7
59	Single-Band Ratiometric Luminescent Thermometry Using Pr ³⁺ Ions Emitting in Yellow and Red Spectral Ranges. <i>Advanced Photonics Research</i> , 2021 , 2, 2100070	1.9	7
58	Modulation of thulium upconversion in potassium tetraphosphate (KLaP ₄ O ₁₂) nanocrystals by co-doping with Yb ³⁺ ions. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2513-2517	7.1	7

57	All near-infrared multiparametric luminescence thermometry using Er, Yb-doped YAG nanoparticles.. <i>RSC Advances</i> , 2021 , 11, 15933-15942	3.7	7
56	Blue-emitting single band ratiometric luminescent thermometry based on LaF ₃ :Pr ³⁺ . <i>New Journal of Chemistry</i> , 2021 , 45, 11898-11904	3.6	7
55	Upconverting SrF ₂ :Er ³⁺ Nanoparticles for Optical Temperature Sensors. <i>ACS Applied Nano Materials</i> ,	5.6	7
54	Enhanced 1.5 μ m emission of Er-doped multifunctional BiZnOBO microcrystals. <i>Dalton Transactions</i> , 2019 , 48, 6283-6290	4.3	6
53	Fabrication and upconversion emission processes in nanoluminophores NaYF ₄ : Er, Yb and NaYF ₄ : Tm, Yb. <i>International Journal of Nanotechnology</i> , 2015 , 12, 538	1.5	6
52	Synthesis of yttrium aluminum garnet nanoparticles in confined environment III: Cerium doping effect. <i>Optical Materials</i> , 2018 , 85, 275-280	3.3	6
51	Self-Referenced Temperature Imaging with Dual Light Emitting Diode Excitation and Single-Band Emission of AVO ₄ :Eu ³⁺ (A=Y, La, Lu, Gd) Nanophosphors. <i>Advanced Photonics Research</i> , 2100139	1.9	6
50	Standardization of Methodology of Light-to-Heat Conversion Efficiency Determination for Colloidal Nanoheaters. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44556-44567	9.5	6
49	Highly sensitive luminescence nanothermometry and thermal imaging facilitated by phase transition. <i>Chemical Engineering Journal</i> , 2022 , 427, 131941	14.7	6
48	Impact of Tb ion concentration on the morphology, structure and photoluminescence of Gd O SO :Tb phosphor obtained using thermal decomposition of sulfate hydrate. <i>Luminescence</i> , 2020 , 35, 1254-1263	2.5	5
47	Nanoindentation and tribology of ZrB ₂ based luminescent ceramics. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 4901-4908	6	5
46	Synthesis, Structural Characterization, and Emission Properties of NaYF ₄ :Er ³⁺ /Yb ³⁺ Upconversion Nanoluminophores. <i>Journal of Electronic Materials</i> , 2016 , 45, 4790-4795	1.9	5
45	Completion pneumonectomy and chemoradiotherapy as treatment options in local recurrence of non-small-cell lung cancer. <i>Kardiologia i Torakochirurgia Polska</i> , 2015 , 12, 18-25	0.3	5
44	Properties of MOVPE GaN grown on ZnO deposited on Si(0 0 1) and Si(1 1 1) substrates. <i>Journal of Crystal Growth</i> , 2008 , 310, 4891-4895	1.6	5
43	Enhancement of the Ln ³⁺ ratiometric nanothermometers by sensitization with transition metal ions. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159386	5.7	5
42	Luminescence intensity ratio squared – a new luminescence thermometry method for enhanced sensitivity. <i>Journal of Applied Physics</i> , 2022 , 131, 114501	2.5	5
41	Persistent luminescence ratiometric thermometry. <i>Chemical Engineering Journal</i> , 2022 , 438, 135573	14.7	5
40	Different Strategies of Stabilization of Vanadium Oxidation States in Lagao Nanocrystals. <i>Frontiers in Chemistry</i> , 2019 , 7, 520	5	4

39	Cooperative absorption transitions in LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystals. <i>Journal of Luminescence</i> , 2014 , 148, 214-218	3.8	4
38	A facile and green-chemistry method to synthesize pure and Nd-doped Y ₃ Al ₅ O ₁₂ nanopowders at low-temperatures. <i>Ceramics International</i> , 2013 , 39, 9405-9414	5.1	4
37	Effect of the nanoparticle size on thermometric properties of a single-band ratiometric luminescent thermometer in NaYF ₄ :Nd ³⁺ . <i>Journal of Materials Chemistry C</i> ,	7.1	4
36	Impact of host composition and dopant ion concentration on the thermometric properties of a Eu ³⁺ activated fluoride-based single-band ratiometric luminescent thermometer. <i>Journal of Alloys and Compounds</i> , 2021 , 898, 162839	5.7	4
35	Up-conversion emission and in vitro cytotoxicity characterization of blue emitting, biocompatible SrTiO ₃ nanoparticles activated with Tm ³⁺ and Yb ³⁺ ions. <i>RSC Advances</i> , 2016 , 6, 39469-39479	3.7	4
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