

Lukasz Marciniak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

3,597
citations

34
h-index

52
g-index

184
ext. papers

4,537
ext. citations

5.2
avg, IF

6.42
L-index

#	Paper	IF	Citations
164	Ytterbium complexes with 2-(tosylamino)-benzylidene-N-(2-halobenzoyl)-hydrazones for solution-processable NIR OLEDs. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1371-1380	7.1	2
163	Highly sensitive luminescence nanothermometry and thermal imaging facilitated by phase transition. <i>Chemical Engineering Journal</i> , 2022 , 427, 131941	14.7	6
162	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
161	Boltzmann-distribution-dominated persistent luminescence ratiometric thermometry in NaYF ₄ :Pr ³⁺ . <i>Optics Letters</i> , 2022 , 47, 1701-1704	3	4
160	Near-Infrared Luminescent Lifetime-Based Thermometry with Mn ⁵⁺ -Activated Sr ₃ (PO ₄) ₂ and Ba ₃ (PO ₄) ₂ Phosphors. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1057-1062	4	3
159	Luminescence intensity ratio squared: A new luminescence thermometry method for enhanced sensitivity. <i>Journal of Applied Physics</i> , 2022 , 131, 114501	2.5	5
158	Modulation of thermometric performance of single-band-ratiometric luminescent thermometers based on luminescence of Nd activated tetrafluorides by size modification.. <i>Scientific Reports</i> , 2022 , 12, 5847	4.9	
157	Modification of the thermometric performance of the lifetime-based luminescent thermometer exploiting Ti ³⁺ emission in SrTiO ₃ and CaTiO ₃ by doping with lanthanide ions. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164398	5.7	1
156	Persistent luminescence ratiometric thermometry. <i>Chemical Engineering Journal</i> , 2022 , 438, 135573	14.7	5
155	Synthesis and characterizations of YZ-BDC:Eu,Tb nanothermometers for luminescence-based temperature sensing.. <i>RSC Advances</i> , 2022 , 12, 13065-13073	3.7	0
154	Spectroscopic Properties of Vanadium Ions for Applications in Luminescent Nanothermometry. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2022 , 329-330	0.2	
153	Nanocrystalline NaYF ₄ :Pr ³⁺ Luminescent Thermometers Using Ground and Excited State Absorption. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2022 , 315-316	0.2	
152	Synthesis and Cytotoxicity of GdPO ₄ : Yb ³⁺ , Nd ³⁺ for High Sensitivity Luminescent Nanothermometers. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2022 , 343-344	0.2	
151	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
150	Predicting the impact of temperature dependent multi-phonon relaxation processes on the photon avalanche behavior in Tm ³⁺ : NaYF ₄ nanoparticles. <i>Optical Materials: X</i> , 2021 , 12, 100102	1.7	1
149	Luminescence based temperature bio-imaging: Status, challenges, and perspectives. <i>Applied Physics Reviews</i> , 2021 , 8, 011317	17.3	42
148	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

147	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
146	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
145	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
144	Excited State Absorption for Ratiometric Thermal Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1261-1269	9.5	11
143	Gallato Zirconium (IV) Phtalocyanine Complex Conjugated with SiO ₂ Nanocarrier as a Photoactive Drug for Photodynamic Therapy of Atheromatic Plaque. <i>Molecules</i> , 2021 , 26,	4.8	3
142	NIR luminescence lifetime nanothermometry based on phonon assisted Yb ³⁺ /Nd ³⁺ energy transfer. <i>Nanoscale Advances</i> , 2021 , 3, 4918-4925	5.1	4
141	Highly NIR-emitting ytterbium complexes containing 2-(tosylaminobenzylidene)-N-benzoylhydrazone anions: structure in solution and use for bioimaging. <i>Dalton Transactions</i> , 2021 , 50, 3786-3791	4.3	4
140	All near-infrared multiparametric luminescence thermometry using Er, Yb-doped YAG nanoparticles.. <i>RSC Advances</i> , 2021 , 11, 15933-15942	3.7	7
139	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
138	Strong sensitivity enhancement in lifetime-based luminescence thermometry by co-doping of SrTiO ₃ :Mn ⁴⁺ nanocrystals with trivalent lanthanide ions. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10309-10316	7.1	3
137	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
136	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
135	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
134	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
133	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
132	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
131	The influence of the Er ³⁺ dopant concentration in LaPO ₄ :Nd ³⁺ , Er ³⁺ on thermometric properties of ratiometric and kinetic-based luminescent thermometers operating in NIR II and NIR III optical windows. <i>Physica B: Condensed Matter</i> , 2021 , 620, 413247	2.8	1
130	The role of Cr ³⁺ and Cr ⁴⁺ in emission brightness enhancement and sensitivity improvement of NIR-emitting Nd ³⁺ /Er ³⁺ ratiometric luminescent thermometers. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12671-12680	7.1	1

129	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
128	Nanoindentation and tribology of ZrB ₂ based luminescent ceramics. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 4901-4908	6	5
127	Synthesis, Cytotoxicity Assessment and Optical Properties Characterization of Colloidal GdPO ₄ :Mn, Eu for High Sensitivity Luminescent Nanothermometers Operating in the Physiological Temperature Range. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
126	Standardizing luminescence nanothermometry for biomedical applications. <i>Nanoscale</i> , 2020 , 12, 14405-14421	14.21	119
125	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
124	Implementing Defects for Ratiometric Luminescence Thermometry. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
123	Optical properties and Judd-Ofelt analysis of Sm ³⁺ ions in Sm ₂ O ₂ S: Reddish-orange emission and thermal stability. <i>Optical Materials</i> , 2020 , 107, 110160	3.3	2
122	Assessing thermometric performance of Sr ₂ CeO ₄ and Sr ₂ CeO ₄ :Ln ³⁺ (Ln ³⁺ = Sm ³⁺ , Ho ³⁺ , Nd ³⁺ , Yb ³⁺) nanocrystals in spectral and temporal domain. <i>Chemical Engineering Journal</i> , 2020 , 388, 124347	14.7	23
121	Engineering excited state absorption based nanothermometry for temperature sensing and imaging. <i>Nanoscale</i> , 2020 , 12, 4667-4675	7.7	50
120	KLaP ₄ O ₁₂ :Tb ³⁺ Nanocrystals for Luminescent Thermometry in a Single-Band-Ratiometric Approach. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3798-3806	5.6	29
119	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
118	Non-plasmonic NIR-Activated Photothermal Agents for Photothermal Therapy 2020 , 305-347		1
117	Multimodal Stokes and Anti-Stokes luminescent thermometers based on GdP ₅ O ₁₄ co-doped with Cr ³⁺ and Nd ³⁺ ions. <i>Chemical Engineering Journal</i> , 2020 , 402, 126197	14.7	22
116	Cr based nanocrystalline luminescent thermometers operating in a temporal domain. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25949-25962	3.6	10
115	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
114	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
113	Synergy between NIR luminescence and thermal emission toward highly sensitive NIR operating emissive thermometry. <i>Scientific Reports</i> , 2020 , 10, 19692	4.9	2
112	Synthesis of Ni and rare earth metal (La, Pr, and Nd) oxides from spent NiMH batteries by selective precipitation with formic acid an investigation of photoluminescence properties. <i>Ionics</i> , 2020 , 26, 311-321	2.7	1

111	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
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	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
108	Near-Infrared-to-Near-Infrared Excited-State Absorption in LaPO ₄ :Nd ³⁺ Nanoparticles for Luminescent Nanothermometry. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4818-4825	5.6	31
107	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
106	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
105	Synthesis, photoluminescence properties and thermal investigation by TG-MS of RE(DAS) ₃ ·xH ₂ O (RE = Eu ³⁺ , Tb ³⁺). <i>Journal of Rare Earths</i> , 2019 , 37, 1164-1169	3.7	2
104	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
103	Zirconium metal organic framework for design of tetragonal rare earth-doped zirconia nanoparticles. <i>Journal of Rare Earths</i> , 2019 , 37, 1230-1236	3.7	1
102	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
101	Photon avalanche in lanthanide doped nanoparticles for biomedical applications: super-resolution imaging. <i>Nanoscale Horizons</i> , 2019 , 4, 881-889	10.8	26
100	Non-conventional Ce:YAG nanostructures via urea complexes. <i>Scientific Reports</i> , 2019 , 9, 3368	4.9	11
99	The influence of dopant concentration and grain size on the ability for temperature sensing using nanocrystalline MgAl ₂ O ₄ :Co ²⁺ , Nd ³⁺ luminescent thermometers. <i>New Journal of Chemistry</i> , 2019 , 43, 6080-6086	3.6	23
98	Enhanced 1.5 μm emission of Er-doped multifunctional BiZnOBO microcrystals. <i>Dalton Transactions</i> , 2019 , 48, 6283-6290	4.3	6
97	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
96	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
95	Different Strategies of Stabilization of Vanadium Oxidation States in Lagao Nanocrystals. <i>Frontiers in Chemistry</i> , 2019 , 7, 520	5	4
94	Influence of cerium content and heat treatment on Ce:YAG@glass wool nanostructures. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	1

93	Synthesis, characterization and luminescence properties of ZrBDC:Eu ³⁺ ,Tb ³⁺ nanoscaled metal organic frameworks. <i>Vietnam Journal of Chemistry</i> , 2019 , 57, 443-447	0.8	0
92	Lanthanide Complexes with 2-(Tosylamino)-benzylidene-N-(aryloyl)hydrazones: Universal Luminescent Materials. <i>Chemistry of Materials</i> , 2019 , 31, 759-773	9.6	34
91	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
90	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
89	The influence of grain size and vanadium concentration on the spectroscopic properties of YAG:V ³⁺ ,V ⁵⁺ and YAG: V, Ln ³⁺ (Ln ³⁺ = Eu ³⁺ , Dy ³⁺ , Nd ³⁺) nanocrystalline luminescent thermometers. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 382-390	8.5	32
88	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
87	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
86	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
85	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
84	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, 14928-14936	3.8	51
83	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
82	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
81	Synthesis of yttrium aluminum garnet nanoparticles in confined environment III: Cerium doping effect. <i>Optical Materials</i> , 2018 , 85, 275-280	3.3	6
80	Laser induced white lighting of graphene foam. <i>Scientific Reports</i> , 2017 , 7, 41281	4.9	51
79	Lanthanide tetrafluorobenzoates as emitters for OLEDs: New approach for host selection. <i>Organic Electronics</i> , 2017 , 44, 85-93	3.5	30
78	Fourier transform infrared and Raman spectroscopy in the study of phase transitions in dipyrzolum iodide triiodide: Experimental and theoretical analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 179, 83-94	4.4	
77	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
76	Synthesis, Structural Characterization and Up-Conversion Luminescence Properties of NaYF ₄ :Er ³⁺ ,Yb ³⁺ @MOFs Nanocomposites. <i>Journal of Electronic Materials</i> , 2017 , 46, 6063-6069	1.9	3

75	Surface modified EuxLa1-xF3 nanoparticles as luminescent biomarkers: Still plenty of room at the bottom. <i>Dyes and Pigments</i> , 2017 , 143, 348-355	4.6	16
74	Heterogeneously Nd doped single nanoparticles for NIR-induced heat conversion, luminescence, and thermometry. <i>Nanoscale</i> , 2017 , 9, 8288-8297	7.7	114
73	Non-contact Mn1-xNixFe2O4 ferrite nano-heaters for biological applications [heat energy generated by NIR irradiation. <i>RSC Advances</i> , 2017 , 7, 18162-18171	3.7	14
72	Nanocrystalline NIR-to-NIR luminescent thermometer based on Cr3+,Yb3+ emission. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 388-393	8.5	60
71	Tuning of the up-conversion emission and sensitivity of luminescent thermometer in LiLaP4O12:Tm,Yb nanocrystals via Eu 3+ dopants. <i>Journal of Luminescence</i> , 2017 , 184, 179-184	3.8	19
70	Size dependent sensitivity of Yb3+,Er3+ up-converting luminescent nano-thermometers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7890-7897	7.1	99
69	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
68	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
67	Influence of grain size and Nd3+ concentration on the stimulated emission of LiLa1-xNd _x P4O12 crystal powders. <i>Optical Materials</i> , 2017 , 63, 46-50	3.3	7
66	Structure and Luminescence Properties of Nanofluorapatite Activated with Eu3+ Ions Synthesized by Hydrothermal Method. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017 , 567-569	9.2	29
65	Luminescent Sr2CeO4 nanocrystals for applications in organic solar cells with conjugated polymers. <i>Journal of Luminescence</i> , 2016 , 169, 857-861	3.8	7
64	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
63	Governing of down-shifting processes in LiLaP4O12:Tb3+,Yb3+ for enhancement of its near-infrared emission. <i>Journal of Rare Earths</i> , 2016 , 34, 833-836	3.7	1
62	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
61	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. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11284-11290	7.1	56
60	Synthesis, Structural Characterization, and Emission Properties of NaYF4:Er3+/Yb3+ Upconversion Nanoluminophores. <i>Journal of Electronic Materials</i> , 2016 , 45, 4790-4795	1.9	5
59	Spectroscopic and structural properties of polycrystalline Y2Si2O7 doped with Er 3+. <i>Journal of Luminescence</i> , 2016 , 170, 614-618	3.8	7
58	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

57	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
56	Laser induced broad band anti-Stokes white emission from LiYbF ₄ nanocrystals. <i>Journal of Rare Earths</i> , 2016 , 34, 227-234	3.7	21
55	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
54	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
53	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
52	Water dispersible LiNdP ₄ O ₁₂ nanocrystals: New multifunctional NIR-IR luminescent materials for bio-applications. <i>Journal of Luminescence</i> , 2016 , 176, 144-148	3.8	37
51	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
50	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
49	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
48	The influence of dopant concentration on temperature dependent emission spectra in LiLa _{1-x-y} Eu _x Tb _y P 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
47	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
46	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
45	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
44	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
43	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
42	Influence of grain size on optical properties of Sr ₂ CeO ₄ nanocrystals. <i>Journal of Chemical Physics</i> , 2015 , 142, 184701	3.9	26
41	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
40	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

39	X-ray luminescence properties of LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystals: Concentration and size effects. <i>Optical Materials</i> , 2015 , 50, 134-137	3.3	0
38	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
37	Completion pneumonectomy and chemoradiotherapy as treatment options in local recurrence of non-small-cell lung cancer. <i>Kardiochirurgia I Torakochirurgia Polska</i> , 2015 , 12, 18-25	0.3	5
36	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
35	Lanthanide complexes with 2-(tosylamino)benzylidene-N-benzoylhydrazone, which exhibit high NIR emission. <i>Dalton Transactions</i> , 2015 , 44, 12660-9	4.3	30
34	Comprehensive study of photoluminescence and cathodoluminescence of YAG:Eu ³⁺ nano- and microceramics. <i>Optical Materials</i> , 2015 , 50, 59-64	3.3	7
33	Size effect in luminescent properties of LiNdP ₄ O ₁₂ nanocrystals. <i>Optical Materials</i> , 2015 , 41, 17-20	3.3	12
32	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
31	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
30	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
29	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
28	Lanthanide complexes with aromatic o-phosphorylated ligands: synthesis, structure elucidation and photophysical properties. <i>Dalton Transactions</i> , 2014 , 43, 3121-36	4.3	36
27	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
26	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
25	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
24	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
23	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
22	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

21	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
20	Upconversion emission of LiNdP ₄ O ₁₂ and KNdP ₄ O ₁₂ crystals. <i>Journal of Luminescence</i> , 2013 , 133, 57-60,8	3.8	18
19	Infrared laser stimulated broadband white emission of Yb ³⁺ :YAG nanoceramics. <i>Optical Materials</i> , 2013 , 35, 2013-2017	3.3	47
18	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
17	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
16	Anti-Stokes bright yellowish emission of NdAlO ₃ nanocrystals. <i>Journal of Applied Physics</i> , 2012 , 111, 024305	3.5	53
15	White emission of lithium ytterbium tetrphosphate nanocrystals. <i>Optics Express</i> , 2011 , 19, 14083-92	3.3	72
14	Bright upconversion emission of Nd ³⁺ in LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystalline powders. <i>Optical Materials</i> , 2011 , 33, 1492-1494	3.3	35
13	The effect of pumping power on fluorescence behavior of LiNdP ₄ O ₁₂ nanocrystals. <i>Optical Materials</i> , 2011 , 33, 1097-1101	3.3	29
12	Comment on "Colossal dielectric and magnetodielectric effect in Er ₂ O ₃ nanoparticles embedded in a SiO ₂ glass matrix" <i>Physical Review B</i> , 2011 , 84,	3.3	1
11	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
10	Synthesis and luminescence properties of LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystals. <i>Optical Materials</i> , 2010 , 33, 131-135	3.3	26
9	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
8	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
7	A single-band ratiometric luminescent thermometer based on tetrafluorides operating entirely in the infrared region. <i>Nanoscale Advances</i> ,	5.1	2
6	From structural phase transition to highly sensitive lifetime based luminescent thermometer: multifaceted modification of thermometric performance in Y _{0.9} Nd _x Yb _{0.1} PO ₄ nanocrystals. <i>Journal of Materials Chemistry C</i> ,	7.1	2
5	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
4	Upconverting SrF ₂ :Er ³⁺ Nanoparticles for Optical Temperature Sensors. <i>ACS Applied Nano Materials</i> ,	5.6	7

3	From quencher to potent activator □ Multimodal luminescence thermometry with Fe ³⁺ in the oxides MA14O7 (M = Ca, Sr, Ba). <i>Journal of Materials Chemistry C</i> ,	7.1	11
2	Advancements of excited state absorption based luminescence thermometry. <i>Journal of Materials Chemistry C</i> ,	7.1	4
1	Phase Transition-Driven Highly Sensitive, NIR□IR Band-Shape Luminescent Thermometer Based on LiYO ₂ :Nd ³⁺ . <i>Advanced Optical Materials</i> ,2102856	8.1	4