LuÃ-s D Carlos

List of Publications by Year
in descending order

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542 papers	27,882 citations	5896 81 h-index	9103 144 g-index
588 all docs	588 docs citations	588 times ranked	17159 citing authors

#	Article	IF	Citations
1	Multimodal Tuning of Synaptic Plasticity Using Persistent Luminescent Memitters. Advanced Materials, 2022, 34, e2101895.	21.0	31
2	A Hybrid Materials Approach for Fabricating Efficient WLEDs Based on Diâ€Ureasils Doped with Carbon Dots and a Europium Complex. Advanced Materials Technologies, 2022, 7, 2100727.	5.8	17
3	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. Physica B: Condensed Matter, 2022, 626, 413470.	2.7	5
4	Customized Luminescent Multiplexed Quickâ€Response Codes as Reliable Temperature Mobile Optical Sensors for eHealth and Internet of Things. Advanced Photonics Research, 2022, 3, 2100206.	3.6	24
5	Primary thermometers based on solâ€“gel upconverting Er3+/Yb3+ co-doped yttrium tantalates with high upconversion quantum yield and emission color tunability. Journal of Sol-Gel Science and Technology, 2022, 102, 249-263.	2.4	11
6	Synergistic use of Raman and photoluminescence signals for optical thermometry with large temperature sensitivity. Physica B: Condensed Matter, 2022, 626, 413455.	2.7	4
7	Understanding the Shell Passivation in Ln³⁺â€Doped Luminescent Nanocrystals. Small Structures, 2022, 3, .	12.0	10
8	Hyperspectral imaging thermometry assisted by upconverting nanoparticles: Experimental artifacts and accuracy. Physica B: Condensed Matter, 2022, 629, 413639.	2.7	10
9	Rationalizing the Thermal Response of Dualâ€Center Molecular Thermometers: The Example of an Eu/Tb Coordination Complex. Advanced Optical Materials, 2022, 10, .	7.3	39
10	Sustainable Smart Tags with Twoâ€Step Verification for Anticounterfeiting Triggered by the Photothermal Response of Upconverting Nanoparticles. Advanced Photonics Research, 2022, 3, .	3.6	9
11	Lanthanides for the new generation of optical sensing and Internet of Things. Fundamental Theories of Physics, 2022, , 31-128.	0.3	9
12	Reprogrammable and Reconfigurable Photonic Molecular Logic Gates Based on Ln³⁺ Ions. Advanced Optical Materials, 2022, 10, .	7.3	6
13	Understanding the Shell Passivation in Ln³⁺â€Doped Luminescent Nanocrystals. Small Structures, 2022, 3, .	12.0	2
14	Employing three-blade propeller lanthanide complexes as molecular luminescent thermometers: study of temperature sensing through a concerted experimental/theory approach. Journal of Materials Chemistry C, 2022, 10, 7176-7188.	5.5	25
15	A perspective on sustainable luminescent solar concentrators. Journal of Applied Physics, 2022, 131, .	2.5	13
16	Luminescence thermometry and field induced slow magnetic relaxation based on a near infrared emissive heterometallic complex. Dalton Transactions, 2022, 51, 8208-8216.	3.3	20
17	Luminescent thermometry based on Er3+/Yb3+ co-doped yttrium niobate with high NIR emission and NIR-to-visible upconversion quantum yields. Journal of Luminescence, 2022, 248, 118986.	3.1	11
18	On the long decay time of the 7F5 level of Tb3+. Journal of Luminescence, 2022, 248, 118933.	3.1	6

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19	Theranostic of orthotopic gliomas by core-shell structured nanoplatforms. Light: Science and Applications, 2022, 11, .	16.6	5
20	Sustainable Smart Tags with Twoâ€Step Verification for Anticounterfeiting Triggered by the Photothermal Response of Upconverting Nanoparticles. Advanced Photonics Research, 2022, 3, .	3.6	3
21	Thermal enhancement of upconversion emission in nanocrystals: a comprehensive summary. Physical Chemistry Chemical Physics, 2021, 23, 20-42.	2.8	43
22	Spectral and thermometric properties altering through crystal field strength modification and host material composition in luminescence thermometers based on Fe³⁺doped AB₂O₄type nanocrystals (A = Mg, Ca; B = Al, Ga). Journal of Materials Chemistry C, 2021, 9, 517-527.	5.5	32
23	Controlling the thermal switching in upconverting nanoparticles through surface chemistry. Nanoscale, 2021, 13, 16267-16276.	5.6	7
24	Seven-Coordinate Tb³⁺ Complexes with 90% Quantum Yields: High-Performance Examples of Combined Singlet- and Triplet-to-Tb³⁺ Energy-Transfer Pathways. Inorganic Chemistry, 2021, 60, 892-907.	4.0	33
25	Y₂(Ge,Si)O₅:Pr phosphors: multimodal temperature and pressure sensors shaped by bandgap management. Journal of Materials Chemistry C, 2021, 9, 13818-13831.	5.5	10
26	Engineering of Mixed Eu³⁺/Tb³⁺ Metalâ€Organic Frameworks Luminescent Thermometers with Tunable Sensitivity. Advanced Optical Materials, 2021, 9, 2001938.	7.3	89
27	Theoretical Evidence of the Singlet Predominance in the Intramolecular Energy Transfer in Ruhemann's Purple Tb(III) Complexes. Advanced Theory and Simulations, 2021, 4, 2000304.	2.8	17
28	Primary Luminescent Nanothermometers for Temperature Measurements Reliability Assessment. Advanced Photonics Research, 2021, 2, 2000169.	3.6	41
29	Cellulose Based Photonic Materials Displaying Direction Modulated Photoluminescence. Frontiers in Bioengineering and Biotechnology, 2021, 9, 617328.	4.1	3
30	Dielectric-Loaded Waveguides as Advanced Platforms for Diagnostics and Application of Transparent Thin Films. Langmuir, 2021, 37, 3248-3260.	3.5	6
31	Editorial: Inorganic Chemistry Editorâ€™s Pick 2021. Frontiers in Chemistry, 2021, 9, 695188.	3.6	0
32	mOptical Sensing for the Internet of Things: A Smartphoneâ€Controlled Platform for Temperature Monitoring. Advanced Photonics Research, 2021, 2, 2000211.	3.6	28
33	New Magnetic and Luminescent Dy(III) and Dy(III)/Y(III) Based Tetranuclear Silsesquioxane Cages. European Journal of Inorganic Chemistry, 2021, 2021, 2696-2701.	2.0	19
34	Going Above and Beyond: A Tenfold Gain in the Performance of Luminescence Thermometers Joining Multiparametric Sensing and Multiple Regression. Laser and Photonics Reviews, 2021, 15, 2100301.	8.7	41
35	(INVITED) JOYSpectra: A web platform for luminescence of lanthanides. Optical Materials: X, 2021, 11, 100080.	0.8	16
36	Ga-modified YAG:Pr3+ dual-mode tunable luminescence thermometers. Chemical Engineering Journal, 2021, 421, 129764.	12.7	39

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37	Synchronous Temperature and Magnetic Field Dualâ€Sensing by Luminescence in a Dysprosium Singleâ€Molecule Magnet. Advanced Optical Materials, 2021, 9, 2101495.	7.3	24
38	Mixing phosphors to improve the temperature measuring quality. Optical Materials, 2021, 122, 111719.	3.6	1
39	Going Above and Beyond: A Tenfold Gain in the Performance of Luminescence Thermometers Joining Multiparametric Sensing and Multiple Regression (Laser Photonics Rev. 15(11)/2021). Laser and Photonics Reviews, 2021, 15, 2170056.	8.7	1
40	Hexagonal-phase NaREF₄ upconversion nanocrystals: the matter of crystal structure. Nanoscale, 2021, 13, 19771-19782.	5.6	10
41	Temperature sensing in Tb³⁺/Eu³⁺-based tetranuclear silsesquioxane cages with tunable emission. RSC Advances, 2021, 11, 34735-34741.	3.6	15
42	Lanthanide Emission for Solar Spectral Converters: An Energy Transfer Viewpoint. Springer Series on Fluorescence, 2021, , 1-33.	0.8	1
43	Red-Emitting Coatings for Multifunctional UV/Red Emitting LEDs Applied in Plant Circadian Rhythm Control. ECS Journal of Solid State Science and Technology, 2020, 9, 016008.	1.8	9
44	Blue-light excitable La2Ce2O7:Eu3+ red phosphors for white light-emitting diodes. Journal of Alloys and Compounds, 2020, 814, 152226.	5.5	42
45	Colloidal (Gd0.98Nd0.02)2O3 nanothermometers operating in a cell culture medium within the first and second biological windows. Journal of Rare Earths, 2020, 38, 483-491.	4.8	14
46	Efficient green-emitting Tb3+-doped di-ureasil coating phosphors for near-UV excited light-emitting diodes. Journal of Luminescence, 2020, 219, 116910.	3.1	17
47	Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF). Angewandte Chemie, 2020, 132, 1948-1956.	2.0	40
48	Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF). Angewandte Chemie - International Edition, 2020, 59, 1932-1940.	13.8	120
49	Decoding a Percolation Phase Transition of Water at â¼330 K with a Nanoparticle Ruler. Journal of Physical Chemistry Letters, 2020, 11, 6704-6711.	4.6	13
50	Field-induced slow magnetic relaxation and luminescence thermometry in a mononuclear ytterbium complex. Inorganic Chemistry Frontiers, 2020, 7, 3019-3029.	6.0	37
51	Protein Cohabitation: Improving the Photochemical Stability of R-Phycoerythrin in the Solid State. Journal of Physical Chemistry Letters, 2020, 11, 6249-6255.	4.6	14
52	[Ga 3+ 8 Sm 3+ 2 , Ga 3+ 8 Tb 3+ 2] Metallacrowns are Highly Promising Ratiometric Luminescent Molecular Nanothermometers Operating at Physiologically Relevant Temperatures. Chemistry - A European Journal, 2020, 26, 13792-13796.	3.3	12
53	Phosphor-based green-emitting coatings for circadian lighting. Journal of Luminescence, 2020, 224, 117298.	3.1	7
54	Thermal properties of lipid bilayers derived from the transient heating regime of upconverting nanoparticles. Nanoscale, 2020, 12, 24169-24176.	5.6	18

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55	Highly sensitive and precise optical temperature sensors based on new luminescent Tb³⁺/Eu³⁺ tetrakis complexes with imidazolic counterions. Materials Advances, 2020, 1, 1988-1995.	5.4	19
56	Tunable Energy-Transfer Process in Heterometallic MOF Materials Based on 2,6-Naphthalenedicarboxylate: Solid-State Lighting and Near-Infrared Luminescence Thermometry. Chemistry of Materials, 2020, 32, 7458-7468.	6.7	54
57	Real-Time Intracellular Temperature Imaging Using Lanthanide-Bearing Polymeric Micelles. Nano Letters, 2020, 20, 6466-6472.	9.1	78
58	Ag₂S Nanoheaters with Multiparameter Sensing for Reliable Thermal Feedback during In Vivo Tumor Therapy. Advanced Functional Materials, 2020, 30, 2002730.	14.9	73
59	Exploring Single-Nanoparticle Dynamics at High Temperature by Optical Tweezers. Nano Letters, 2020, 20, 8024-8031.	9.1	22
60	Inert Shell Effect on the Quantum Yield of Neodymium-Doped Near-Infrared Nanoparticles: The Necessary Shield in an Aqueous Dispersion. Nano Letters, 2020, 20, 7648-7654.	9.1	37
61	Eu(II)â€Activated Silicates for UV Lightâ€Emitting Diodes Tuning into Warm White Light. Advanced Engineering Materials, 2020, 22, 2070036.	3.5	3
62	High-Quantum-Yield Upconverting Er³⁺/Yb³⁺-Organicâ€“Inorganic Hybrid Dual Coatings for Real-Time Temperature Sensing and Photothermal Conversion. Journal of Physical Chemistry C, 2020, 124, 19892-19903.	3.1	32
63	Eu(II)â€Activated Silicates for UV Lightâ€Emitting Diodes Tuning into Warm White Light. Advanced Engineering Materials, 2020, 22, 2000422.	3.5	5
64	Luminescent thin films of Eu-bearing UiO-66 metal organic framework prepared by ALD/MLD. Applied Surface Science, 2020, 527, 146603.	6.1	19
65	Molecular Logic Devices: Lanthanide Luminescence to Mimic Molecular Logic and Computing through Physical Inputs (Advanced Optical Materials 12/2020). Advanced Optical Materials, 2020, 8, 2070050.	7.3	1
66	Cryogenic Luminescent Ratiometric Thermometers Based on Tetragonal Na[LnSiO₄]Â·xNaOH (Ln = Gd, Tb, Eu; x â‰ˆ 0.2). European Journal of Inorganic Chemistry, 2020, 2020, 1852-1859.	2.0	2
67	Standardizing luminescence nanothermometry for biomedical applications. Nanoscale, 2020, 12, 14405-14421.	5.6	241
68	Exploiting bandgap engineering to finely control dual-mode Lu₂(Ge,Si)O₅:Pr³⁺ luminescence thermometers. Journal of Materials Chemistry C, 2020, 8, 10086-10097.	5.5	40
69	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF 2 :Yb 3+ /Er 3+ Single Crystals. European Journal of Inorganic Chemistry, 2020, 2020, 1555-1561.	2.0	19
70	Green photonics integrated circuits based on organicâ€“inorganic hybrids. , 2020, , 229-266.		0
71	RÃ¼cktitelbild: Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF) (Angew. Chem. 5/2020). Angewandte Chemie, 2020, 132, 2144-2144.	2.0	0
72	Room temperature magnetoelectric coupling in a molecular ferroelectric ytterbium(III) complex. Science, 2020, 367, 671-676.	12.6	114

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73	Efficient Visibleâ€Lightâ€Excitable Eu³⁺ Complexes for Red Organic Lightâ€Emitting Diodes. European Journal of Inorganic Chemistry, 2020, 2020, 1260-1270.	2.0	25
74	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF 2 :Yb 3+ /Er 3+ Single Crystals. European Journal of Inorganic Chemistry, 2020, 2020, 1540-1540.	2.0	0
75	La_{0.4}Gd_{1.6}Zr₂O₇:0.1%Pr transparent sintered ceramic â€“ a wide-range luminescence thermometer. Journal of Materials Chemistry C, 2020, 8, 7005-7011.	5.5	25
76	High Emission Quantum Yield Tb3+ -Activated Organic-Inorganic Hybrids for UV-Down-Shifting Green Light-Emitting Diodes. European Journal of Inorganic Chemistry, 2020, 2020, 1736-1742.	2.0	5
77	Lanthanide Luminescence to Mimic Molecular Logic and Computing through Physical Inputs. Advanced Optical Materials, 2020, 8, 2000312.	7.3	20
78	Flexible photoluminescent waveguide amplifiers to improve visible light communication platforms. IET Optoelectronics, 2020, 14, 356-358.	3.3	2
79	Photovoltaic spectral conversion materials: The role of solâ€“gel processing. , 2020, , 145-182.		0
80	Band Gap Engineering in Luminescence Thermometry â€“ Pros and Cons. ECS Meeting Abstracts, 2020, MA2020-02, 2744-2744.	0.0	0
81	Luminescence Thermometry on the Route of the Mobileâ€Based Internet of Things (IoT): How Smart QR Codes Make It Real. Advanced Science, 2019, 6, 1900950.	11.2	74
82	Thermal Properties of Lipid Bilayers Determined Using Upconversion Nanothermometry. Advanced Functional Materials, 2019, 29, 1905474.	14.9	96
83	Bandgap Engineering and Excitation Energy Alteration to Manage Luminescence Thermometer Performance. The Case of Sr₂(Ge,Si)O₄:Pr³⁺. Advanced Optical Materials, 2019, 7, 1901102.	7.3	67
84	Promoting a Significant Increase in the Photoluminescence Quantum Yield of Terbium(III) Complexes by Ligand Modification. Inorganic Chemistry, 2019, 58, 12099-12111.	4.0	21
85	Making Prussian blue analogues nanoparticles luminescent: effect of the luminophore confinement over the properties. Nanoscale, 2019, 11, 7097-7101.	5.6	8
86	Upconversion Nanocomposite Materials With Designed Thermal Response for Optoelectronic Devices. Frontiers in Chemistry, 2019, 7, 83.	3.6	22
87	Infrared and Raman spectroscopy of non-conventional hydrogen bonding between N,Nâ€²-disubstituted urea and thiourea groups: a combined experimental and theoretical investigation. Physical Chemistry Chemical Physics, 2019, 21, 3310-3317.	2.8	15
88	Aggregation-induced heterogeneities in the emission of upconverting nanoparticles at the submicron scale unfolded by hyperspectral microscopy. Nanoscale Advances, 2019, 1, 2537-2545.	4.6	14
89	UV-converting blue-emitting polyfluorene-based organic-inorganic hybrids for solid state lighting. Polymer, 2019, 174, 109-113.	3.8	7
90	Synergy of Neodymium and Copper for Fast and Reversible Visible-light Promoted Photochromism, and Photocatalysis, in Cu/Nd-TiO₂ Nanoparticles. ACS Applied Energy Materials, 2019, 2, 3237-3252.	5.1	25

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91	Luminescent Î¹-Carrageenan-Based Electrolytes Containing Neodymium Triflate. Molecules, 2019, 24, 1020.	3.8	9
92	Self-Calibrated Double Luminescent Thermometers Through Upconverting Nanoparticles. Frontiers in Chemistry, 2019, 7, 267.	3.6	34
93	Sustainable Dual-Mode Smart Windows for Energy-Efficient Buildings. ACS Applied Energy Materials, 2019, 2, 1951-1960.	5.1	27
94	Modeling intramolecular energy transfer in lanthanide chelates: A critical review and recent advances. Fundamental Theories of Physics, 2019, , 55-162.	0.3	43
95	Photonic materials displaying direction modulated photoluminescence. , 2019, , .		0
96	Gd- and Eu-Loaded Iron Oxide@Silica Coreâ€“Shell Nanocomposites as Trimodal Contrast Agents for Magnetic Resonance Imaging and Optical Imaging. Inorganic Chemistry, 2019, 58, 16618-16628.	4.0	15
97	Chlorine-free, monolithic lanthanide series rare earth oxide aerogels via epoxide-assisted sol-gel method. Journal of Sol-Gel Science and Technology, 2019, 89, 176-188.	2.4	13
98	Electrochromic Switch Devices Mixing Smallâ€•and Largeâ€Sized Upconverting Nanocrystals. Advanced Functional Materials, 2019, 29, 1807758.	14.9	69
99	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	5.3	30
100	Lanthanideâ€Based Thermometers: At the Cuttingâ€Edge of Luminescence Thermometry. Advanced Optical Materials, 2019, 7, 1801239.	7.3	631
101	Threeâ€Mode Modulation Electrochromic Device with High Energy Efficiency for Windows of Buildings Located in Continental Climatic Regions. Advanced Sustainable Systems, 2019, 3, 1800115.	5.3	22
102	Nanoscale Thermometry for Hyperthermia Applications. , 2019, , 139-172.		8
103	Lanthanide-based downshifting layers tested in a solar car race. Opto-Electronic Advances, 2019, 2, 190006-190006.	13.3	15
104	Transparent Luminescent Solar Concentrators Using Ln3+-Based Ionosilicas Towards Photovoltaic Windows. Energies, 2019, 12, 451.	3.1	37
105	(Invited) On Dilemmas of Band Gap Engineering in Luminescence Thermometers. ECS Meeting Abstracts, 2019, , .	0.0	0
106	Upconversion thermometry: a new tool to measure the thermal resistance of nanoparticles. Nanoscale, 2018, 10, 6602-6610.	5.6	139
107	Sustainable luminescent solar concentrators based on organicâ€“inorganic hybrids modified with chlorophyll. Journal of Materials Chemistry A, 2018, 6, 8712-8723.	10.3	38
108	Rareâ€Earth Germanate Visible, Nearâ€Infrared, and Upâ€Conversion Emitters. European Journal of Inorganic Chemistry, 2018, 2018, 2444-2451.	2.0	3

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109	A novel 3-D cuprous iodide polymer with a high Cu/I ratio. Dalton Transactions, 2018, 47, 3253-3257.	3.3	13
110	Widening the Temperature Range of Luminescent Thermometers through the Intraâ€•and Interconfigurational Transitions of Pr³⁺. Advanced Optical Materials, 2018, 6, 1701318.	7.3	161
111	Recent advances in luminescent lanthanide based Single-Molecule Magnets. Coordination Chemistry Reviews, 2018, 363, 57-70.	18.8	226
112	[INVITED] Luminescent QR codes for smart labelling and sensing. Optics and Laser Technology, 2018, 101, 304-311.	4.6	30
113	White-Light Emitting Di-Ureasil Hybrids. Materials, 2018, 11, 2246.	2.9	6
114	Luminescent Electrochromic Devices for Smart Windows of Energy-Efficient Buildings. Energies, 2018, 11, 3513.	3.1	16
115	Flexible Optical Amplifier for Visible-Light Communications Based on Organicâ€“Inorganic Hybrids. ACS Omega, 2018, 3, 13772-13781.	3.5	16
116	Nearâ€Infrared Ratiometric Luminescent Thermometer Based on a New Lanthanide Silicate. Chemistry - A European Journal, 2018, 24, 11926-11935.	3.3	32
117	The role of Li⁺ in the upconversion emission enhancement of (YYbEr)₂O₃ nanoparticles. Nanoscale, 2018, 10, 15799-15808.	5.6	29
118	Highly Efficient Luminescent Polycarboxylate Lanthanide Complexes Incorporated into Di-Ureasils by an In-Situ Solâ€”Gel Process. Polymers, 2018, 10, 434.	4.5	8
119	Largeâ€Area Tunable Visibleâ€toâ€Nearâ€Infrared Luminescent Solar Concentrators. Advanced Sustainable Systems, 2018, 2, 1800002.	5.3	32
120	Frontispiece: Nearâ€Infrared Ratiometric Luminescent Thermometer Based on a New Lanthanide Silicate. Chemistry - A European Journal, 2018, 24, .	3.3	0
121	Radiation-to-heat conversion efficiency in SrF2:Yb3+/Er3+ upconverting nanoparticles. Optical Materials, 2018, 83, 1-6.	3.6	13
122	A Cost-Effective demodulator for the Next Generation of Optical Access Networks Receivers. , 2018, , .		1
123	Pr3+ Luminescence to Improve the Range, Accuracy and Sensitivity of Temperature Measurement. ECS Meeting Abstracts, 2018, , .	0.0	0
124	Microwave Synthesis of a photoluminescent Metal-Organic Framework based on a rigid tetraphosphonate linker. Inorganica Chimica Acta, 2017, 455, 584-594.	2.4	16
125	Site-selective Eu(<scp>iii</scp>) spectroscopy of highly efficient luminescent mixed-metal Pb(<scp>ii</scp>)/Eu(<scp>iii</scp>) coordination polymers. RSC Advances, 2017, 7, 6093-6101.	3.6	16
126	Structuring of Alkylâ€Triazole Bridged Silsesquioxanes. ChemistrySelect, 2017, 2, 432-442.	1.5	20

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127	Dual-Property Supramolecular H-Bonded 15-Crown-5 Ln(III) Chains: Joint Magneto-Luminescence and ab Initio Studies. Inorganic Chemistry, 2017, 56, 7344-7353.	4.0	17
128	Monitoring of nanoclayâ€“protein adsorption isotherms via fluorescence techniques. Colloids and Surfaces B: Biointerfaces, 2017, 157, 373-380.	5.0	7
129	Upconverting Nanoparticles Working As Primary Thermometers In Different Media. Journal of Physical Chemistry C, 2017, 121, 13962-13968.	3.1	181
130	A cost-effective quantum yield measurement setup for upconverting nanoparticles. Journal of Luminescence, 2017, 189, 64-70.	3.1	27
131	High-Performance Near-Infrared Luminescent Solar Concentrators. ACS Applied Materials & Interfaces, 2017, 9, 12540-12546.	8.0	64
132	Ratiometric mixed Euâ€“Tb metalâ€“organic framework as a new cryogenic luminescent thermometer. Journal of Materials Chemistry C, 2017, 5, 10933-10937.	5.5	55
133	Excimer Formation in a Terbium Metalâ€“Organic Framework Assists Luminescence Thermometry. Chemistry of Materials, 2017, 29, 9547-9554.	6.7	65
134	Photoluminescent Lanthanide-Organic Framework Based on a Tetraphosphonic Acid Linker. Crystal Growth and Design, 2017, 17, 5191-5199.	3.0	20
135	d-Poly(e-caprolactone) (530)/siloxane biohybrid films doped with protic ionic liquids. Journal of Electroanalytical Chemistry, 2017, 799, 249-256.	3.8	4
136	Tethering Luminescent Thermometry and Plasmonics: Light Manipulation to Assess Real-Time Thermal Flow in Nanoarchitectures. Nano Letters, 2017, 17, 4746-4752.	9.1	50
137	A novel near monochromatic red emissive europium(III) metal-organic framework based on 1,2,4,5-benzenetetracarboxylate: From synthesis to photoluminescence studies. Journal of Solid State Chemistry, 2017, 253, 176-183.	2.9	19
138	Neodymium doped fluoroindogallate glasses as highly-sensitive luminescent non-contact thermometers. Optical Materials, 2017, 63, 42-45.	3.6	30
139	Upconverting nanoparticles working as primary thermometers in different media. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C495-C495.	0.1	0
140	Performance assessment of a QPSK coherent demodulator based on organic-inorganic hybrids. , 2017, , .		1
141	Novel Highly Luminescent Amine-Functionalized Bridged Silsesquioxanes. Frontiers in Chemistry, 2017, 5, 131.	3.6	7
142	(Invited) Shedding Light in Nanothermometry. ECS Meeting Abstracts, 2017, , .	0.0	0
143	Copper and rare earth TiO₂ nano-heterostructure as a bifunctional material. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C515-C515.	0.1	0
144	Magneto-Luminescence Correlation in the Textbook Dysprosium(III) Nitrate Single-Ion Magnet. Magnetochemistry, 2016, 2, 41.	2.4	36

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145	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. Nature Nanotechnology, 2016, 11, 851-856.	31.5	292
146	Scale up the collection area of luminescent solar concentrators towards metreâ€length flexible waveguiding photovoltaics. Progress in Photovoltaics: Research and Applications, 2016, 24, 1178-1193.	8.1	51
147	Nanoplatforms for Plasmonâ€Induced Heating and Thermometry. ChemNanoMat, 2016, 2, 520-527.	2.8	33
148	Cryogenic Nanothermometer Based on the MILâ€103(Tb,Eu) Metalâ€“Organic Framework. European Journal of Inorganic Chemistry, 2016, 2016, 1967-1971.	2.0	51
149	Implementing Thermometry on Silicon Surfaces Functionalized by Lanthanideâ€Doped Selfâ€Assembled Polymer Monolayers. Advanced Functional Materials, 2016, 26, 200-209.	14.9	42
150	Luminescent Thermometers: Implementing Thermometry on Silicon Surfaces Functionalized by Lanthanideâ€Doped Selfâ€Assembled Polymer Monolayers (Adv. Funct. Mater. 2/2016). Advanced Functional Materials, 2016, 26, 312-312.	14.9	5
151	A New Generation of Primary Luminescent Thermometers Based on Silicon Nanoparticles and Operating in Different Media. Particle and Particle Systems Characterization, 2016, 33, 740-748.	2.3	29
152	Concentration dependence of the infrared photoluminescence of Pr3+in fluoroindate glasses. , 2016, , .		0
153	Flexible 90Â° hybrid coupler for coherent optical systems based on organic-inorganic hybrids. , 2016, , .		2
154	Lanthanides in Luminescent Thermometry. Fundamental Theories of Physics, 2016, 49, 339-427.	0.3	304
155	Lanthanide Organic Framework Luminescent Thermometers. Chemistry - A European Journal, 2016, 22, 14782-14795.	3.3	404
156	Implementing luminescence thermometry at 1.3 Î¼m using (GdNd)2O3 nanoparticles. Journal of Luminescence, 2016, 180, 25-30.	3.1	43
157	Optical Properties of Hybrid Organicâ€Inorganic Materials and their Applications. Advanced Functional Materials, 2016, 26, 6506-6544.	14.9	207
158	Encapsulation of a [Dy(OH₂)₈]³⁺ cation: magneto-optical and theoretical studies of a caged, emissive SMM. Chemical Communications, 2016, 52, 11335-11338.	4.1	21
159	Study of the influence of magnetic dilution over relaxation processes in a Zn/Dy single-ion magnet by correlation between luminescence and magnetism. RSC Advances, 2016, 6, 108810-108818.	3.6	20
160	Visibleâ€Light Excited Luminescent Thermometer Based on Single Lanthanide Organic Frameworks. Advanced Functional Materials, 2016, 26, 8677-8684.	14.9	188
161	Tuning the sensitivity of Ln3+-based luminescent molecular thermometers through ligand design. Journal of Luminescence, 2016, 169, 497-502.	3.1	39
162	Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. Nano Letters, 2016, 16, 1695-1703.	9.1	265

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