

Lanthanide-Based Thermometers: At the Cutting Edge

Advanced Optical Materials

7, 1801239

DOI: [10.1002/adom.201801239](https://doi.org/10.1002/adom.201801239)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Luminescence Thermometry on the Route of the Mobile-Enabled Internet of Things (IoT): How Smart QR Codes Make It Real. <i>Advanced Science</i> , 2019, 6, 1900950.	5.6	74
2	Thermal decomposition synthesis of Er ³⁺ -activated NaYbF ₄ upconverting microparticles for optical temperature sensing. <i>Journal of Luminescence</i> , 2019, 215, 116672.	1.5	21
3	Step by step designing of sensitive luminescent nanothermometers based on Cr ³⁺ ,Nd ³⁺ co-doped La ₃ Al ₅ O ₁₂ nanocrystals. <i>New Journal of Chemistry</i> , 2019, 43, 12614-12622.	1.4	24
4	Optically Robust and Biocompatible Mechanosensitive Upconverting Nanoparticles. <i>ACS Central Science</i> , 2019, 5, 1211-1222.	5.3	30
5	High performance optical temperature sensing via selectively partitioning Cr ⁴⁺ in the residual SiO ₂ -rich phase of glass-ceramics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17047-17053.	1.3	6
6	High-Performance Pr ³⁺ -Doped Scandate Optical Thermometry: 200 K of Sensing Range with Relative Temperature Sensitivity above 2%K ⁻¹ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42330-42338.	4.0	60
7	Thermoplasmonic Maskless Lithography on Upconverting Nanocomposites Assisted by Gold Nanostars. <i>ACS Applied Nano Materials</i> , 2019, 2, 6889-6897.	2.4	10
8	Thermal Properties of Lipid Bilayers Determined Using Upconversion Nanothermometry. <i>Advanced Functional Materials</i> , 2019, 29, 1905474.	7.8	96
9	Thermal Enhancement of Upconversion by Negative Lattice Expansion in Orthorhombic Yb ₂ W ₃ O ₁₂ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17255-17259.	7.2	158
10	Dual-Mode Upconversion Nanoprobe Enables Broad-Range Thermometry from Cryogenic to Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42455-42461.	4.0	63
11	Bandgap Engineering and Excitation Energy Alteration to Manage Luminescence Thermometer Performance. The Case of Sr ₂ (Ge,Si)O ₄ :Pr ³⁺ . <i>Advanced Optical Materials</i> , 2019, 7, 1901102.	3.6	67
12	Thermal Enhancement of Upconversion by Negative Lattice Expansion in Orthorhombic Yb ₂ W ₃ O ₁₂ . <i>Angewandte Chemie</i> , 2019, 131, 17415-17419.	1.6	5
13	Triplet State Position and Crystal Field Tuning in Opto-Magnetic Lanthanide Complexes: Two Sides of the Same Coin. <i>Chemistry - A European Journal</i> , 2019, 25, 14625-14637.	1.7	32
14	Ratiometric Luminescent Thermometers with a Customized Phase-Transition-Driven Fingerprint in Perovskite Oxides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38937-38945.	4.0	57
15	One Ion, Many Facets: Efficient, Structurally and Thermally Sensitive Luminescence of Eu ²⁺ in Binary and Ternary Strontium Borohydride Chlorides. <i>Chemistry of Materials</i> , 2019, 31, 8957-8968.	3.2	24
16	Advancing neodymium single-band nanothermometry. <i>Nanoscale</i> , 2019, 11, 11322-11330.	2.8	68
17	Functional Construction of Dual-Emitting 4-Aminonaphthalimide Encapsulated Lanthanide MOFs Composite for Ratiometric Temperature Sensing. <i>Chemistry - A European Journal</i> , 2019, 25, 10054-10058.	1.7	28
18	Lanthanide Photonics: Shaping the Nanoworld. <i>Trends in Chemistry</i> , 2019, 1, 751-762.	4.4	99

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25	Bifunctional heater-thermometer Nd ³⁺ -doped nanoparticles with multiple temperature sensing parameters. <i>Nanotechnology</i> , 2019, 30, 145501.	1.3	57
26	Dual-Mode Optical Thermometry Design in Lu ₃ Al ₅ O ₁₂ :Ce ³⁺ /Mn ⁴⁺ Phosphor. <i>Inorganic Chemistry</i> , 2020, 59, 1383-1392.	1.9	127
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30	Upconversion photoluminescence and dual-mode temperature sensing properties of PIN-PMN-PT:Er ³⁺ ceramic. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152092.	2.8	17
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36	Erbium Single-Band Nanothermometry in the Third Biological Imaging Window: Potential and Limitations. <i>Advanced Optical Materials</i> , 2020, 8, 2001178.	3.6	48

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54	Real-Time Intracellular Temperature Imaging Using Lanthanide-Bearing Polymeric Micelles. <i>Nano Letters</i> , 2020, 20, 6466-6472.	4.5	78

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56	Two-Step Sol-Gel Synthetic Strategy for Highly Dispersed Eu ²⁺ Luminescence Centers for Tuning Emission. <i>Advanced Photonics Research</i> , 2020, 1, 2000028.	1.7	3
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