

Yan Gao

List of Publications by Year in descending order

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13
papers

1,293
citations

840776

11
h-index

1125743

13
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docs citations

13
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Optical Thermometry Strategy Based on Diverse Thermal Response from Two Intervallence Charge Transfer States. <i>Advanced Functional Materials</i> , 2016, 26, 3139-3145.	14.9	467
2	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7462-7478.	5.5	194
3	Intervallence charge transfer state interfered Pr ³⁺ luminescence: A novel strategy for high sensitive optical thermometry. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 137-143.	7.8	136
4	A highly-distorted octahedron with a C _{2v} group symmetry inducing an ultra-intense zero phonon line in Mn ⁴⁺ -activated oxyfluoride Na ₂ WO ₂ F ₄ . <i>Journal of Materials Chemistry C</i> , 2017, 5, 10524-10532.	5.5	120
5	Broadening the valid temperature range of optical thermometry through dual-mode design. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11178-11183.	5.5	79
6	CsPbBr ₃ /EuPO ₄ dual-phase devitrified glass for highly sensitive self-calibrating optical thermometry. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9964-9971.	5.5	68
7	Water, a Green Solvent for Fabrication of High-Quality CsPbBr ₃ Films for Efficient Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5925-5931.	8.0	67
8	Non-stoichiometry in Ca ₂ Al ₂ SiO ₇ enabling mixed-valent europium toward ratiometric temperature sensing. <i>Science China Materials</i> , 2019, 62, 1807-1814.	6.3	48
9	Narrow-band red-emitting KZnF ₃ :Mn ⁴⁺ fluoroperovskites: insights into electronic/vibronic transition and thermal quenching behavior. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10845-10854.	5.5	39
10	Eu ²⁺ Stabilized at Octahedrally Coordinated Ln ³⁺ Site Enabling Red Emission in Sr ₃ LnAl ₂ O _{7.5} (Ln = Y or Lu) Phosphors. <i>Advanced Optical Materials</i> , 2021, 9, 2100077.	7.3	39
11	Stabilizing Ni-Rich LiNi _{0.92} Co _{0.06} Al _{0.02} O ₂ Cathodes by Boracic Polyanion and Tungsten Cation Co-Doping for High-Energy Lithium Batteries. <i>ChemElectroChem</i> , 2020, 7, 3811-3817.	3.4	24
12	A new class of battery-free, mechanically powered, piezoelectric Ca ₅ Ga ₆ O ₁₄ :Tb ³⁺ phosphors with self-recoverable luminescence. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9554-9562.	5.5	10
13	Improving the temperature-sensing performance of the SrZn _{0.33} Nb _{0.67} O ₃ :Pr ³⁺ phosphor <i>via</i> Ga ³⁺ doping. <i>Materials Advances</i> , 2022, 3, 3267-3277.	5.4	2