

Sha Jiang

List of Publications by Year in descending order

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29
papers

1,199
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430874

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Simultaneously tuning emission color and realizing optical thermometry via efficient Tb ³⁺ /Eu ³⁺ energy transfer in whitlockite-type phosphate multifunctional phosphors. <i>Journal of Alloys and Compounds</i> , 2019, 780, 266-275.	5.5	210
2	Optical thermometry based on upconverted luminescence in transparent glass ceramics containing NaYF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2014, 617, 538-541.	5.5	186
3	Deep-Tissue Temperature Sensing Realized in BaY ₂ O ₄ :Yb ³⁺ /Er ³⁺ with Ultrahigh Sensitivity and Extremely Intense Red Upconversion Luminescence. <i>Inorganic Chemistry</i> , 2020, 59, 11054-11060.	4.0	85
4	Upconversion nanoparticles modified by Cu ₂ S for photothermal therapy along with real-time optical thermometry. <i>Nanoscale</i> , 2021, 13, 7161-7168.	5.6	66
5	Dual-Mode Optical Thermometry Based on the Fluorescence Intensity Ratio Excited by a 915 nm Wavelength in LuVO ₄ :Yb ³⁺ /Er ³⁺ @SiO ₂ Nanoparticles. <i>Inorganic Chemistry</i> , 2019, 58, 8245-8252.	4.0	65
6	Multifunctional optical thermometry based on the stark sublevels of Er ³⁺ in CaO·Y ₂ O ₃ :Yb ³⁺ /Er ³⁺ . <i>Journal of the American Ceramic Society</i> , 2020, 103, 2540-2547.	3.8	62
7	Constructing ultra-sensitive dual-mode optical thermometers: Utilizing FIR of Mn ⁴⁺ /Eu ³⁺ and lifetime of Mn ⁴⁺ based on double perovskite tellurite phosphor. <i>Optics Express</i> , 2020, 28, 33747.	3.4	57
8	A novel dazzling Eu ³⁺ -doped whitlockite-type phosphate red-emitting phosphor for white light-emitting diodes. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4095-4107.	3.8	47
9	Near-Infrared-to-Near-Infrared Optical Thermometer BaY ₂ O ₄ :Yb ³⁺ /Nd ³⁺ Assembled with Photothermal Conversion Performance. <i>Inorganic Chemistry</i> , 2022, 61, 5425-5432.	4.0	45
10	A novel double-perovskite LiLaMgTeO ₆ : Mn ⁴⁺ far-red phosphor for indoor plant cultivation white LEDs: Crystal and electronic structure, and photoluminescence properties. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154905.	5.5	42
11	Upconversion properties and temperature sensing behaviors in visible and near-infrared region based on fluorescence intensity ratio in LuVO ₄ : Yb ³⁺ /Er ³⁺ . <i>Journal of Alloys and Compounds</i> , 2018, 769, 325-331.	5.5	40
12	Eu ³⁺ activated LiSrVO ₄ phosphors: Emission color tuning and potential application in temperature sensing. <i>Dyes and Pigments</i> , 2018, 151, 219-226.	3.7	35
13	Design of a bi-functional NaScF ₄ : Yb ³⁺ /Er ³⁺ nanoparticles for deep-tissue bioimaging and optical thermometry through Mn ²⁺ doping. <i>Talanta</i> , 2021, 224, 121832.	5.5	28
14	High-sensitivity luminescent thermometer based on Mn ⁴⁺ /Sm ³⁺ dual-emission centers in double-perovskite tellurate. <i>Ceramics International</i> , 2022, 48, 27664-27671.	4.8	24
15	Sr ₃ Lu (VO ₄) ₃ : Eu ³⁺ red-emitting phosphors for warm white LEDs. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2721-2729.	3.8	23
16	Investigation of the Energy-Transfer Mechanism in Ho ³⁺ - and Yb ³⁺ -Codoped Lu ₂ O ₃ Phosphor with Efficient Near-Infrared Downconversion. <i>Inorganic Chemistry</i> , 2017, 56, 1498-1503.	4.0	22
17	Insight into energy transfer, color tuning, and white emission in Tm ³⁺ and Dy ³⁺ codoped Ca ₈ ZnLa(PO ₄) ₇ phosphors. <i>Optical Materials</i> , 2020, 102, 109808.	3.6	22
18	Strategy for optical thermometry based on temperature-dependent charge transfer to the Eu ³⁺ 4f-4f excitation intensity ratio in Sr ₃ Lu(VO ₄) ₃ :Eu ³⁺ and CaWO ₄ :Nd ³⁺ . <i>Optics Letters</i> , 2020, 45, 3637.	3.3	20

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19	Improvement of Green Upconversion Monochromaticity by Doping Eu^{3+} in $\text{Lu}_2\text{O}_3:\text{Yb}^{3+}/\text{Ho}^{3+}$ Powders with Detailed Investigation of the Energy Transfer Mechanism. <i>Inorganic Chemistry</i> , 2017, 56, 9194-9199.	4.0	15
20	Luminescent properties of Eu^{3+} -doped NaLaCaWO_6 red phosphors and temperature sensing derived from the excited state of charge transfer band. <i>Journal of Luminescence</i> , 2022, 248, 118964.	3.1	15
21	Multifunctional broad-band excited Eu^{3+} -activated fluorescent materials for potential warm white light-emitting diodes (w-LEDs) and temperature sensor applications. <i>Advanced Powder Technology</i> , 2018, 29, 43-49.	4.1	13
22	Nd^{3+} and $\text{Nd}^{3+}/\text{Yb}^{3+}$ -incorporated complexes as optical thermometer working in the second biological window. <i>Sensing and Bio-Sensing Research</i> , 2020, 29, 100345.	4.2	12
23	Dual-mode optical thermometry based on intervalence charge transfer excitations in $\text{Tb}^{3+}/\text{Pr}^{3+}$ co-doped CaNb_2O_6 phosphors. <i>Ceramics International</i> , 2022, 48, 30005-30011.	4.8	11
24	Luminescent properties and ratiometric optical thermometry of Ln-BDC-F4 compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117418.	3.9	10
25	Multipath optical thermometry realized in $\text{CaSc}_2\text{O}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ with high sensitivity and superior resolution. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2711-2720.	3.8	10
26	Ultrasensitive optical thermometer based on abnormal thermal quenching Stark transitions operating beyond 1500Ånm . <i>Journal of the American Ceramic Society</i> , 2021, 104, 5784-5793.	3.8	10
27	Enhancement of Eu^{3+} Red Upconversion in $\text{Lu}_2\text{O}_3:\text{Yb}^{3+}/\text{Eu}^{3+}$ Powders under the Assistance of Bridging Function Originated from Ho^{3+} Tridoping. <i>Inorganic Chemistry</i> , 2017, 56, 13955-13961.	4.0	9
28	Opposite temperature luminescent behaviours of Tb^{3+} and Pr^{3+} co-doped BaMoO_4 glass ceramics for temperature sensing. <i>Journal of Luminescence</i> , 2021, 236, 118080.	3.1	9
29	Thermally enhanced near-infrared luminescence in $\text{CaSc}_2\text{O}_4:\text{Yb}^{3+}/\text{Nd}^{3+}$ nanorods for temperature sensing and photothermal conversion. <i>Ceramics International</i> , 2022, 48, 23436-23443.	4.8	6