

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

736
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Thermally enhanced near-infrared luminescence in CaSc ₂ O ₄ : Yb ³⁺ /Nd ³⁺ nanorods for temperature sensing and photothermal conversion. <i>Ceramics International</i> , 2022, 48, 23436-23443.	4.8	6
4	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
5	Dual-mode optical thermometry based on intervalence charge transfer excitations in Tb ³⁺ /Pr ³⁺ co-doped CaNb ₂ O ₆ phosphors. <i>Ceramics International</i> , 2022, 48, 30005-30011.	4.8	11
6	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
7	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
8	Multipath optical thermometry realized in CaSc ₂ O ₄ : Yb ³⁺ /Er ³⁺ with high sensitivity and superior resolution. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2711-2720.	3.8	10
9	Sr ₃ Lu ₃ (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
10	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
11	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
12	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
13	Multifunctional optical thermometry based on the stark sublevels of Er ³⁺ in CaO ₂ : Yb ³⁺ /Er ³⁺ . <i>Journal of the American Ceramic Society</i> , 2020, 103, 2540-2547.	3.8	62
14	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
15	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
16	Nd ³⁺ and Nd ³⁺ /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
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	Constructing ultra-sensitive dual-mode optical thermometers: Utilizing FIR of Mn ⁴⁺ and lifetime of Mn ⁴⁺ based on double perovskite tellurite phosphor. <i>Optics Express</i> , 2020, 28, 33747.	3.4	57

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19	Strategy for optical thermometry based on temperature-dependent charge transfer to the Eu^{3+} 4f-4f excitation intensity ratio in $\text{Sr}_3\text{Lu}(\text{VO}_4)_3\text{:Eu}^{3+}$ and $\text{CaWO}_4\text{:Nd}^{3+}$. <i>Optics Letters</i> , 2020, 45, 3637.	3.3	20
20	Dual-Mode Optical Thermometry Based on the Fluorescence Intensity Ratio Excited by a 915 nm Wavelength in $\text{LuVO}_4\text{:Yb}^{3+}/\text{Er}^{3+}@/\text{SiO}_2$ Nanoparticles. <i>Inorganic Chemistry</i> , 2019, 58, 8245-8252.	4.0	65
21	Simultaneously tuning emission color and realizing optical thermometry via efficient $\text{Tb}^{3+}\text{'Eu}^{3+}$ energy transfer in whitlockite-type phosphate multifunctional phosphors. <i>Journal of Alloys and Compounds</i> , 2019, 780, 266-275.	5.5	210
22	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
23	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
24	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
25	Upconversion properties and temperature sensing behaviors in visible and near-infrared region based on fluorescence intensity ratio in $\text{LuVO}_4\text{:Yb}^{3+}/\text{Er}^{3+}$. <i>Journal of Alloys and Compounds</i> , 2018, 769, 325-331.	5.5	40
26	Investigation of the Energy-Transfer Mechanism in Ho^{3+} - and Yb^{3+} -Codoped Lu_2O_3 Phosphor with Efficient Near-Infrared Downconversion. <i>Inorganic Chemistry</i> , 2017, 56, 1498-1503.	4.0	22
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	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
29	Optical thermometry based on upconverted luminescence in transparent glass ceramics containing $\text{NaYF}_4\text{:Yb}^{3+}/\text{Er}^{3+}$ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2014, 617, 538-541.	5.5	186