

Weiguang Ran

List of Publications by Year in descending order

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papers

877
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471509

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705
citing authors

#	ARTICLE	IF	CITATIONS
1	Bismuth atom tailoring of indium oxide surface frustrated Lewis pairs boosts heterogeneous CO ₂ photocatalytic hydrogenation. <i>Nature Communications</i> , 2020, 11, 6095.	12.8	129
2	Excellent photoluminescence and cathodoluminescence properties in Eu ³⁺ -activated Sr ₂ LaNbO ₆ materials for multifunctional applications. <i>Chemical Engineering Journal</i> , 2021, 406, 127154.	12.7	113
3	Morphology evolution of Eu ³⁺ -activated NaTbF ₄ nanorods: a highly-efficient near-ultraviolet light-triggered red-emitting platform towards application in white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10802-10809.	5.5	85
4	Eu ³⁺ -Activated NaGdF ₄ Nanorods for Near-Ultraviolet Light-Triggered Indoor Illumination. <i>ACS Applied Nano Materials</i> , 2019, 2, 4275-4285.	5.0	74
5	Er ³⁺ -Activated NaLaMgWO ₆ double perovskite phosphors and their bifunctional application in solid-state lighting and non-contact optical thermometry. <i>Dalton Transactions</i> , 2019, 48, 4405-4412.	3.3	74
6	Photocatalytic and Thermometric Characteristics of Er ³⁺ -Activated Bi ₅ IO ₇ Upconverting Microparticles. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902208.	3.7	54
7	Enhanced Visible Light-Driven Photocatalytic Activities and Photoluminescence Characteristics of BiOF Nanoparticles Determined via Doping Engineering. <i>Inorganic Chemistry</i> , 2020, 59, 11801-11813.	4.0	37
8	Infrared excited Er ³⁺ /Yb ³⁺ codoped NaLaMgWO ₆ phosphors with intense green up-conversion luminescence and excellent temperature sensing performance. <i>Dalton Transactions</i> , 2019, 48, 11382-11390.	3.3	34
9	Characterizations and photoluminescence properties of a dual-functional La ₂ LiNbO ₆ :Bi ³⁺ , Eu ³⁺ phosphor for WLEDs and ratiometric temperature sensing. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158825.	5.5	32
10	Break the Interacting Bridge between Eu ³⁺ Ions in the 3D Network Structure of CdMoO ₄ : Eu ³⁺ Bright Red Emission Phosphor. <i>Scientific Reports</i> , 2018, 8, 5936.	3.3	31
11	Advantageous Occupation of Europium(III) in the B Site of Double-Perovskite Ca ₂ BB ₂ O ₆ (B = Y, Gd, La; B ²⁺ = Sb, Nb) Frameworks for White-Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7960-7972.	6.7	30
12	Simultaneous bifunctional application of solid-state lighting and ratiometric optical thermometer based on double perovskite LiLaMgWO ₆ :Er ³⁺ thermochromic phosphors. <i>RSC Advances</i> , 2019, 9, 7189-7195.	3.6	25
13	Facile Realization of Boosted Near-Infrared/Visible Light Driven Photocatalytic Activities of BiOF Nanoparticles through Simultaneously Exploiting Doping and Upconversion Strategy. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100749.	3.7	25
14	Luminescence properties and energy transfer of CdWO ₄ :Sm ³⁺ ,Bi ³⁺ ,M ⁺ (M=Li, Na, K) phosphors for white LEDs. <i>Ceramics International</i> , 2015, 41, 4301-4307.	4.8	23
15	Enhanced energy transfer from Bi ³⁺ to Eu ³⁺ ions relying on the criss-cross cluster structure in MgMoO ₄ phosphor. <i>Journal of Luminescence</i> , 2017, 192, 141-147.	3.1	21
16	Fabrication of ZnWO ₄ :Sm ³⁺ , Bi ³⁺ , Li ⁺ with tunable white light-emitting properties for W-LEDs. <i>Materials Research Bulletin</i> , 2015, 64, 146-150.	5.2	19
17	A super energy transfer process based S-shaped cluster in ZnMoO ₄ phosphors: theoretical and experimental investigation. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8344-8350.	5.5	18
18	Bifunctional application of La ₃ BWO ₉ :Bi ³⁺ ,Sm ³⁺ phosphors with strong orange-red emission and sensitive temperature sensing properties. <i>Dalton Transactions</i> , 2021, 50, 15187-15197.	3.3	18

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19	Narrow-band green emission of Eu ²⁺ in a rigid tunnel structure: site occupations, barycenter energy calculations and luminescence properties. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3604-3612.	6.0	15
20	Construction of Dual-Er ³⁺ Contact Interface in ZrO ₂ /In ₂ O ₃ /VO ₂ /In ₂ S ₃ for Enhancing Photocatalytic Performance. <i>ChemCatChem</i> , 2021, 13, 2379-2385.	3.7	10
21	An Open-Framework Structured Material: [Ni(en) ₂] ₃ [Fe(CN) ₆] ₂ as a Cathode Material for Aqueous Sodium- and Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16197-16203.	8.0	6
22	Effects of activated Sr ²⁺ ion content on strong blue-emitting Ca ₂ Sb ₂ O ₇ materials for high-quality WLED devices. <i>International Journal of Energy Research</i> , 0, , .	4.5	4