

Fanguang Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,169
citations

566801

15
h-index

642321

23
g-index

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all docs

23
docs citations

23
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Halide perovskites for high-performance X-ray detector. <i>Materials Today</i> , 2021, 48, 155-175.	8.3	163
2	Halide Perovskite, a Potential Scintillator for X-ray Detection. <i>Small Methods</i> , 2020, 4, 2000506.	4.6	160
3	Strategies for Improving the Stability of Tin-Based Perovskite (ASnX ₃) Solar Cells. <i>Advanced Science</i> , 2020, 7, 1903540.	5.6	123
4	Ruddlesden-Popper 2D Component to Stabilize CsPbI ₃ Perovskite Phase for Stable and Efficient Photovoltaics. <i>Advanced Energy Materials</i> , 2019, 9, 1902529.	10.2	111
5	Unveiling the Effects of Hydrolysis-Derived DMAI/DMAPb Intermediate Compound on the Performance of CsPbI ₃ Solar Cells. <i>Advanced Science</i> , 2020, 7, 1902868.	5.6	97
6	Approaches for thermodynamically stabilized CsPbI ₃ solar cells. <i>Nano Energy</i> , 2020, 71, 104634.	8.2	95
7	Highly Eu ³⁺ ions doped novel red emission solid solution phosphors Ca ₁₈ Li ₃ (Bi,Eu)(PO ₄) ₁₄ : structure design, characteristic luminescence and abnormal thermal quenching behavior investigation. <i>Dalton Transactions</i> , 2019, 48, 1624-1632.	1.6	78
8	Application of perovskite nanocrystals (NCs)/quantum dots (QDs) in solar cells. <i>Nano Energy</i> , 2020, 73, 104757.	8.2	77
9	The humidity-insensitive fabrication of efficient CsPbI ₃ solar cells in ambient air. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26776-26784.	5.2	54
10	A novel temperature sensitive Sm ³⁺ doped niobate orange-red phosphor: The synthesis and characteristic luminescent property investigation. <i>Journal of Luminescence</i> , 2018, 196, 32-35.	1.5	42
11	Efficient and controllable photoluminescence in novel solid solution Ca _{1-x} Sr _x Hf ₄ (PO ₄) ₆ :Eu ²⁺ phosphors with high thermal stability for white light emitting diodes. <i>CrystEngComm</i> , 2018, 20, 4383-4394.	1.3	34
12	Interface engineering, the trump-card for CsPbX ₃ (X=I, Br) perovskite solar cells development. <i>Nano Energy</i> , 2021, 79, 105490.	8.2	22
13	Novel red-emitting phosphor Ba ₃ ZrNb ₄ O ₁₅ :Pr ³⁺ : The structure, characteristic photoluminescence property and thermal quenching behaviour investigation. <i>Materials Research Bulletin</i> , 2018, 104, 173-178.	2.7	18
14	Novel layered niobate phosphors SrBaNb ₄ O ₁₂ :Re ³⁺ (Re= Eu, Dy, Sm and Pr): Crystal structure, electronic structure and luminescence property investigation. <i>Journal of Luminescence</i> , 2019, 211, 76-81.	1.5	17
15	Structure identification and strongly enhanced luminescence of Sr ₉ Y ₂ (WO ₆) ₄ : Mn ⁴⁺ phosphors by co-doping Mg ²⁺ ions for plant growth LEDs. <i>Journal of Luminescence</i> , 2020, 223, 117235.	1.5	16
16	Local structure modification for identifying the site preference and characteristic luminescence property of Eu ²⁺ ions in full-color emission phosphors Sr ₁₈ Mg ₃ (PO ₄) ₁₄ :Eu ²⁺ . <i>Journal of Alloys and Compounds</i> , 2021, 862, 158634.	2.8	14
17	Crystal structure and characteristic luminescence properties investigation of novel red-emitting phosphor Na ₃ MgZr(PO ₄) ₃ :Eu ³⁺ for white light-emitting diodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2216-2221.	1.1	11
18	Thermal stable red phosphor Sm ³⁺ doped Na ₃ MgZr(PO ₄) ₃ : the synthesis, site occupation and photoluminescence property investigation. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 19134-19138.	1.1	10

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19	Novel thermal stable Sm ³⁺ doped barium hafnium phosphate red phosphor: the synthesis and characteristic luminescent property investigation. Journal of Materials Science: Materials in Electronics, 2018, 29, 4895-4899.	1.1	8
20	Synthesis and luminescent properties investigation of novel red emission phosphors Ca ₇ Zn ₂ (PO ₄) ₆ : Re ³⁺ (Re=Eu, Sm and Pr). Journal of Molecular Structure, 2019, 1181, 203-208.	1.8	7
21	Structure evolution and tunable magneto-optical multifunctional property study of novel Ca ₁₈ K ₃ Sc ₁ Sm _x (PO ₄) ₁₄ phosphors. Journal of the American Ceramic Society, 2021, 104, 2655-2668.	1.9	5
22	Novel orange phosphate phosphors Sr ₁₉ Mg ₂ (PO ₄) ₁₄ :Eu ²⁺ : crystal structure, luminescence and thermal quenching property investigation. Journal of Materials Science: Materials in Electronics, 2020, 31, 7164-7171.	1.1	4
23	Synthesis and Photoluminescence Properties of Double Perovskite Phosphor Ba ₆ Y ₂ W ₃ O ₁₈ : Mg ²⁺ , Mn ⁴⁺ for Plant Cultivation. ECS Journal of Solid State Science and Technology, 2019, 8, R119-R126.	0.9	3