

Gencai Pan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,405
citations

361045

20
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

2868
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient dual-mode emissions of high-concentration erbium ions doped lead-free halide double perovskite single crystals. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162601.	2.8	21
2	Highly efficient and stable red perovskite quantum dots through encapsulation and sensitization of porous CaF_2 :Ce,Tb nanoarchitectures. <i>Nanoscale</i> , 2022, 14, 4263-4270.	2.8	5
3	Samarium doping improves luminescence efficiency of $\text{Cs}_3\text{Bi}_2\text{Br}_9$ perovskite quantum dots enabling efficient white light-emitting diodes. <i>Journal of Rare Earths</i> , 2021, 39, 374-379.	2.5	35
4	Bright red YCl_3 -promoted CsPbI_3 perovskite nanorods towards efficient light-emitting diode. <i>Nano Energy</i> , 2021, 81, 105615.	8.2	33
5	Stable and Efficient Upconversion Single Red Emission from CsPb_3 Perovskite Quantum Dots Triggered by Upconversion Nanoparticles. <i>Inorganic Chemistry</i> , 2021, 60, 2649-2655.	1.9	12
6	High-Performance Perovskite Solar Cells Based on NaCsWO_3 @ NaYF_4 @ NaYF_4 :Yb,Er Upconversion Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2674-2684.	4.0	60
7	Ni^{2+} and Pr^{3+} Co-doped CsPbCl_3 perovskite quantum dots with efficient infrared emission at 1300 nm. <i>Nanoscale</i> , 2021, 13, 16598-16607.	2.8	13
8	Strong upconverting and downshifting emission of Mn^{2+} ions in a Yb,Tm: NaYF_4 @ NaLuF_4 /Mn: CsPbCl_3 core/shell heterostructure towards dual-model anti-counterfeiting. <i>Chemical Communications</i> , 2020, 56, 14609-14612.	2.2	11
9	Phase composition of the earth-abundant Cu_2SnS_3 thin films with different annealing temperature and its effects on the performance of the related solar cells. <i>Solar Energy</i> , 2020, 208, 206-211.	2.9	16
10	Dual Interfacial Modification Engineering with 2D MXene Quantum Dots and Copper Sulphide Nanocrystals Enabled High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2003295.	7.8	100
11	Ammonium acetate passivated CsPb_3 perovskite nanocrystals for efficient red light-emitting diodes. <i>Nanoscale</i> , 2020, 12, 7712-7719.	2.8	30
12	Bright Blue Light Emission of Ni^{2+} Ion-Doped $\text{CsPbCl}_x\text{Br}_{3-x}$ Perovskite Quantum Dots Enabling Efficient Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14195-14202.	4.0	118
13	Impact of Host Composition, Codoping, or Tridoping on Quantum-Cutting Emission of Ytterbium in Halide Perovskite Quantum Dots and Solar Cell Applications. <i>Nano Letters</i> , 2019, 19, 6904-6913.	4.5	100
14	Europium-Doped Lead-Free $\text{Cs}_3\text{Bi}_2\text{Br}_9$ Perovskite Quantum Dots and Ultrasensitive Cu^{2+} Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8397-8404.	3.2	114
15	Spectrally Tunable Solid State Fluorescence and Room-Temperature Phosphorescence of Carbon Dots Synthesized via Seeded Growth Method. <i>Advanced Optical Materials</i> , 2019, 7, 1801599.	3.6	122
16	Highly Efficient and Stable Inorganic Perovskite Quantum Dots by Embedding into a Polymer Matrix. <i>ChemNanoMat</i> , 2019, 5, 346-351.	1.5	38
17	Impurity Ions Codoped Cesium Lead Halide Perovskite Nanocrystals with Bright White Light Emission toward Ultraviolet-White Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39040-39048.	4.0	78
18	Considerably enhanced exciton emission of CsPbCl_3 perovskite quantum dots by the introduction of potassium and lanthanide ions. <i>Nanoscale</i> , 2018, 10, 14067-14072.	2.8	100

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19	Plasmonic Photonic Crystals Induced Two-Order Fluorescence Enhancement of Blue Perovskite Nanocrystals and Its Application for High-Performance Flexible Ultraviolet Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1804429.	7.8	106
20	Size-dependent downconversion near-infrared emission of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2451-2458.	2.7	31
21	Fabrication of Au-Ag nanocage@NaYF ₄ @NaYF ₄ :Yb,Er Core-Shell Hybrid and its Tunable Upconversion Enhancement. <i>Scientific Reports</i> , 2017, 7, 41079.	1.6	33
22	Carbon dots with efficient solid-state photoluminescence towards white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11416-11420.	2.7	98
23	Cerium and Ytterbium Codoped Halide Perovskite Quantum Dots: A Novel and Efficient Downconverter for Improving the Performance of Silicon Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1704149.	11.1	389
24	Doping Lanthanide into Perovskite Nanocrystals: Highly Improved and Expanded Optical Properties. <i>Nano Letters</i> , 2017, 17, 8005-8011.	4.5	672
25	Semiconductor plasmon-sensitized broadband upconversion and its enhancement effect on the power conversion efficiency of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16559-16567.	5.2	70