Gencai Pan

List of Publications by Year
in descending order

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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	Doping Lanthanide into Perovskite Nanocrystals: Highly Improved and Expanded Optical Properties. Nano Letters, 2017, 17, 8005-8011.	4.5	672
2	Cerium and Ytterbium Codoped Halide Perovskite Quantum Dots: A Novel and Efficient Downconverter for Improving the Performance of Silicon Solar Cells. Advanced Materials, 2017, 29, 1704149.	11.1	389
3	Spectrally Tunable Solid State Fluorescence and Roomâ€Temperature Phosphorescence of Carbon Dots Synthesized via Seeded Growth Method. Advanced Optical Materials, 2019, 7, 1801599.	3.6	122
4	Bright Blue Light Emission of Ni²⁺ Ion-Doped CsPbCl_xBr_{3â€“x} Perovskite Quantum Dots Enabling Efficient Light-Emitting Devices. ACS Applied Materials & Interfaces, 2020, 12, 14195-14202.	4.0	118
5	Europium-Doped Lead-Free Cs₃Bi₂Br₉ Perovskite Quantum Dots and Ultrasensitive Cu²⁺ Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 8397-8404.	3.2	114
6	Plasmonic Photonic Crystals Induced Twoâ€Order Fluorescence Enhancement of Blue Perovskite Nanocrystals and Its Application for Highâ€Performance Flexible Ultraviolet Photodetectors. Advanced Functional Materials, 2018, 28, 1804429.	7.8	106
7	Considerably enhanced exciton emission of CsPbCl₃ perovskite quantum dots by the introduction of potassium and lanthanide ions. Nanoscale, 2018, 10, 14067-14072.	2.8	100
8	Impact of Host Composition, Codoping, or Tridoping on Quantum-Cutting Emission of Ytterbium in Halide Perovskite Quantum Dots and Solar Cell Applications. Nano Letters, 2019, 19, 6904-6913.	4.5	100
9	Dual Interfacial Modification Engineering with 2D MXene Quantum Dots and Copper Sulphide Nanocrystals Enabled Highâ€Performance Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2003295.	7.8	100
10	Carbon dots with efficient solid-state photoluminescence towards white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 11416-11420.	2.7	98
11	Impurity Ions Codoped Cesium Lead Halide Perovskite Nanocrystals with Bright White Light Emission toward Ultravioletâ€“White Light-Emitting Diode. ACS Applied Materials & Interfaces, 2018, 10, 39040-39048.	4.0	78
12	Semiconductor plasmon-sensitized broadband upconversion and its enhancement effect on the power conversion efficiency of perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 16559-16567.	5.2	70
13	High-Performance Perovskite Solar Cells Based on NaCsWO₃@NaYF₄@NaYF₄:Yb,Er Upconversion Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 2674-2684.	4.0	60
14	Highly Efficient and Stable Inorganic Perovskite Quantum Dots by Embedding into a Polymer Matrix. ChemNanoMat, 2019, 5, 346-351.	1.5	38
15	Samarium doping improves luminescence efficiency of Cs3Bi2Br9 perovskite quantum dots enabling efficient white light-emitting diodes. Journal of Rare Earths, 2021, 39, 374-379.	2.5	35
16	Fabrication of Au-Ag nanocage@NaYF4@NaYF4:Yb,Er Core-Shell Hybrid and its Tunable Upconversion Enhancement. Scientific Reports, 2017, 7, 41079.	1.6	33
17	Bright red YCl3-promoted CsPbI3 perovskite nanorods towards efficient light-emitting diode. Nano Energy, 2021, 81, 105615.	8.2	33
18	Size-dependent downconversion near-infrared emission of NaYF4:Yb3+,Er3+ nanoparticles. Journal of Materials Chemistry C, 2017, 5, 2451-2458.	2.7	31

#	Article	IF	Citations
19	Ammonium acetate passivated CsPbI₃ perovskite nanocrystals for efficient red light-emitting diodes. Nanoscale, 2020, 12, 7712-7719.	2.8	30
20	Efficient dual-mode emissions of high-concentration erbium ions doped lead-free halide double perovskite single crystals. Journal of Alloys and Compounds, 2022, 895, 162601.	2.8	21
21	Phase composition of the earth-abundant Cu2SnS3 thin films with different annealing temperature and its effects on the performance of the related solar cells. Solar Energy, 2020, 208, 206-211.	2.9	16
22	Ni²⁺ and Pr³⁺ Co-doped CsPbCl₃ perovskite quantum dots with efficient infrared emission at 1300 nm. Nanoscale, 2021, 13, 16598-16607.	2.8	13
23	Stable and Efficient Upconversion Single Red Emission from CsPbI₃ Perovskite Quantum Dots Triggered by Upconversion Nanoparticles. Inorganic Chemistry, 2021, 60, 2649-2655.	1.9	12
24	Strong upconverting and downshifting emission of Mn²⁺ ions in a Yb,Tm:NaYF₄@NaLuF₄/Mn:CsPbCl₃ core/shell heterostructure towards dual-model anti-counterfeiting. Chemical Communications, 2020, 56, 14609-14612.	2.2	11
25	Highly efficient and stable red perovskite quantum dots through encapsulation and sensitization of porous CaF₂:Ce,Tb nanoarchitectures. Nanoscale, 2022, 14, 4263-4270.	2.8	5