Xu Chen

List of Publications by Year
in descending order

21 papers	2,228 citations	471061 17 h-index	713013 21 g-index
21 all docs	21 docs citations	21 times ranked	2581 citing authors

#	Article	IF	Citations
1	Polymer additive engineering of K₂CuBr₃ nanocrystalline films to achieve efficient and stable deep-blue emission. JPhys Photonics, 2022, 4, 014001.	2.2	1
2	High Colorâ€Rendering Index and Stable White Lightâ€Emitting Diodes by Assembling Two Broadband Emissive Selfâ€Trapped Excitons. Advanced Materials, 2021, 33, e2001367.	11.1	162
3	Two-dimensional Ti₃C₂ MXene-based nanostructures for emerging optoelectronic applications. Materials Horizons, 2021, 8, 2929-2963.	6.4	37
4	Dual-source vapor-processed blue-emissive cesium copper iodine microplatelets with high crystallinity and stability. Journal of Materials Chemistry C, 2021, 9, 12535-12544.	2.7	10
5	Europium ions doped WOx nanorods for dual interfacial modification facilitating high efficiency and stability of perovskite solar cells. Nano Energy, 2021, 80, 105564.	8.2	26
6	Stable and Self-Powered Solar-Blind Ultraviolet Photodetectors Based on a Cs₃Cu₂I₅/Î²-Ga₂O₃ Heterojunction Prepared by Dual-Source Vapor Codeposition. ACS Applied Materials & Interfaces, 2021, 13, 15409-15419.	4.0	55
7	Stable zero-dimensional cesium indium bromide hollow nanocrystals emitting blue light from self-trapped excitons. Nano Today, 2021, 38, 101153.	6.2	33
8	Boosting interfacial charge transfer by constructing rare earthâ€“doped WOx nanorods/SnO2 hybrid electron transport layer for efficient perovskite solar cells. Materials Today Energy, 2021, 21, 100724.	2.5	8
9	Plasmonic gold nanorods decorated Ti3C2 MXene quantum dots-interspersed nanosheet for full-spectrum photoelectrochemical water splitting. Chemical Engineering Journal, 2021, 426, 130818.	6.6	23
10	Room-temperature synthesis of blue-emissive zero-dimensional cesium indium halide quantum dots for temperature-stable down-conversion white light-emitting diodes with a half-lifetime of 186 h. Materials Horizons, 2021, 8, 3432-3442.	6.4	18
11	Water-induced fluorescence enhancement of lead-free cesium bismuth halide quantum dots by 130% for stable white light-emitting devices. Nanoscale, 2020, 12, 3637-3645.	2.8	118
12	Strategy of All-Inorganic Cs₃Cu₂I₅/Si-Core/Shell Nanowire Heterojunction for Stable and Ultraviolet-Enhanced Broadband Photodetectors with Imaging Capability. ACS Applied Materials & Interfaces, 2020, 12, 37363-37374.	4.0	51
13	A solution-processed ternary copper halide thin films for air-stable and deep-ultraviolet-sensitive photodetector. Nanoscale, 2020, 12, 17213-17221.	2.8	55
14	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
15	Lead-Free Metal Halide Perovskites and Perovskite Derivatives as an Environmentally Friendly Emitter for Light-Emitting Device Applications. Journal of Physical Chemistry Letters, 2020, 11, 5517-5530.	2.1	59
16	Colloidal Synthesis of Ternary Copper Halide Nanocrystals for High-Efficiency Deep-Blue Light-Emitting Diodes with a Half-Lifetime above 100 h. Nano Letters, 2020, 20, 3568-3576.	4.5	200
17	Stable Yellow Light-Emitting Devices Based on Ternary Copper Halides with Broadband Emissive Self-Trapped Excitons. ACS Nano, 2020, 14, 4475-4486.	7.3	199
18	Ti3C2 MXene quantum dots/TiO2 inverse opal heterojunction electrode platform for superior photoelectrochemical biosensing. Sensors and Actuators B: Chemical, 2019, 289, 131-137.	4.0	101

#	Article	IF	Citations
19	Ratiometric photoluminescence sensing based on Ti₃C₂MXene quantum dots as an intracellular pH sensor. Nanoscale, 2018, 10, 1111-1118.	2.8	241
20	Dual interfacial modifications by conjugated small-molecules and lanthanides doping for full functional perovskite solar cells. Nano Energy, 2018, 53, 849-862.	8.2	59
21	Doping Lanthanide into Perovskite Nanocrystals: Highly Improved and Expanded Optical Properties. Nano Letters, 2017, 17, 8005-8011.	4.5	672