Jun Xing

List of Publications by Year
in descending order

54 papers	8,275 citations	147801 31 h-index	144013 57 g-index
62 all docs	62 docs citations	62 times ranked	11029 citing authors

#	Article	IF	Citations
1	Alkylamine-Doping Poly(3,4-ethylene dioxythiophene):Poly(styrene sulfonic acid)-Enhanced Operational Stability of Perovskite Light-Emitting Diodes: Chain Length Effect. ACS Applied Electronic Materials, 2022, 4, 2993-2999.	4.3	2
2	Interfacial engineering boosting charge extraction for efficient photocatalytic hydrogen evolution. Chemical Engineering Journal, 2022, 450, 138015.	12.7	9
3	Potential development of all-inorganic perovskites. Frontiers of Physics, 2021, 16, 1.	5.0	1
4	Effects of organic ligands on efficiency and stability of perovskite light-emitting diodes. Journal of Materials Science, 2021, 56, 11436-11447.	3.7	5
5	Molecular engineering towards efficientwhite-light-emitting perovskite. Nature Communications, 2021, 12, 4890.	12.8	32
6	Opportunities and challenges in perovskite LED commercialization. Journal of Materials Chemistry C, 2021, 9, 3795-3799.	5.5	70
7	Ionic Liquid Passivation Eliminates Low-n Quantum Well Domains in Blue Quasi-2D Perovskite Films. ACS Applied Materials & Interfaces, 2021, 13, 57540-57547.	8.0	2
8	Role of the Excitonâ€“Polariton in a Continuous-Wave Optically Pumped CsPbBr₃ Perovskite Laser. Nano Letters, 2020, 20, 6636-6643.	9.1	145
9	Direct and indirect exciton transitions in two-dimensional lead halide perovskite semiconductors. Journal of Chemical Physics, 2020, 153, 064705.	3.0	10
10	Solution-precipitation synthesis of perovskite polyhedron and its lasing applications. Journal of Materials Chemistry C, 2020, 8, 6667-6671.	5.5	3
11	Bright Exciton Fine-Structure in Two-Dimensional Lead Halide Perovskites. Nano Letters, 2020, 20, 5141-5148.	9.1	57
12	Efficient up-conversion photoluminescence in all-inorganic lead halide perovskite nanocrystals. Nano Research, 2020, 13, 1962-1969.	10.4	27
13	Manipulating efficient light emission in two-dimensional perovskite crystals by pressure-induced anisotropic deformation. Science Advances, 2019, 5, eaav9445.	10.3	130
14	The Rise of Perovskite Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2019, 10, 3035-3042.	4.6	101
15	Silicon nitride nanobeam enhanced emission from all-inorganic perovskite nanocrystals. Optics Express, 2019, 27, 18673.	3.4	11
16	Highly Efficient Visible Colloidal Lead-Halide Perovskite Nanocrystal Light-Emitting Diodes. Nano Letters, 2018, 18, 3157-3164.	9.1	199
17	Perovskite light-emitting diodes with external quantum efficiency exceeding 20 per cent. Nature, 2018, 562, 245-248.	27.8	2,589
18	Room temperature long-range coherent exciton polariton condensate flow in lead halide perovskites. Science Advances, 2018, 4, eaau0244.	10.3	111

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19	Color-stable highly luminescent sky-blue perovskite light-emitting diodes. Nature Communications, 2018, 9, 3541.	12.8	536
20	Spin control in reduced-dimensional chiral perovskites. Nature Photonics, 2018, 12, 528-533.	31.4	371
21	Room Temperature Coherently Coupled Excitonâ€“Polaritons in Two-Dimensional Organicâ€“Inorganic Perovskite. ACS Nano, 2018, 12, 8382-8389.	14.6	107
22	Giant Twoâ€Photon Absorption and Its Saturation in 2D Organicâ€“Inorganic Perovskite. Advanced Optical Materials, 2017, 5, 1601045.	7.3	175
23	Temperature effect of the compact TiO2 layer in planar perovskite solar cells: An interfacial electrical, optical and carrier mobility study. Solar Energy Materials and Solar Cells, 2017, 163, 242-249.	6.2	36
24	Thermal conductivity of suspended single crystal CH₃NH₃PbI₃ platelets at room temperature. Nanoscale, 2017, 9, 8281-8287.	5.6	20
25	Metal halide perovskite nanomaterials: synthesis and applications. Chemical Science, 2017, 8, 2522-2536.	7.4	233
26	Optical study on intrinsic exciton states in high-quality <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CH</mml:mi><mml:mn>3</mml:mn></mml:msub></mml: single crystals. Physical Review B, 2017, 96, .	3.7	26
27	Plasmonic heating from indium nanoparticles on a floating microporous membrane for enhanced solar seawater desalination. Nanoscale, 2017, 9, 12843-12849.	5.6	91
28	Solution-processed highly bright and durable cesium lead halide perovskite light-emitting diodes. Nanoscale, 2016, 8, 18021-18026.	5.6	160
29	Highâ€Quality Whisperingâ€Galleryâ€Mode Lasing from Cesium Lead Halide Perovskite Nanoplatelets. Advanced Functional Materials, 2016, 26, 6238-6245.	14.9	529
30	Ultrafast Photogenerated Hole Extraction/Transport Behavior in a CH₃NH₃PbI₃/Carbon Nanocomposite and Its Application in a Metalâ€Electrodeâ€Free Solar Cell. ChemPhysChem, 2016, 17, 4102-4109.	2.1	21
31	High-Efficiency Light-Emitting Diodes of Organometal Halide Perovskite Amorphous Nanoparticles. ACS Nano, 2016, 10, 6623-6630.	14.6	347
32	Nonlinear optical response of Au nanorods for broadband pulse modulation in bulk visible lasers. Applied Physics Letters, 2015, 107, .	3.3	25
33	Vapor Phase Synthesis of Organometal Halide Perovskite Nanowires for Tunable Room-Temperature Nanolasers. Nano Letters, 2015, 15, 4571-4577.	9.1	405
34	High-yield synthesis and optical properties of g-C₃N₄. Nanoscale, 2015, 7, 12343-12350.	5.6	303
35	Stable Isolated Metal Atoms as Active Sites for Photocatalytic Hydrogen Evolution. Chemistry - A European Journal, 2014, 20, 2088-2088.	3.3	3
36	Stable Isolated Metal Atoms as Active Sites for Photocatalytic Hydrogen Evolution. Chemistry - A European Journal, 2014, 20, 2138-2144.	3.3	173

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37	Cluster Size Effects of Platinum Oxide as Active Sites in Hydrogen Evolution Reactions. Chemistry - A European Journal, 2014, 20, 12377-12380.	3.3	30
38	The size and valence state effect of Pt on photocatalytic H2 evolution over platinized TiO2 photocatalyst. International Journal of Hydrogen Energy, 2014, 39, 1237-1242.	7.1	82
39	Pores on TiO2 nanosheets with exposed high active facets. Materials Letters, 2014, 123, 254-257.	2.6	3
40	Enhancing photocatalytic activity of Sn doped TiO2 dominated with {105} facets. Catalysis Today, 2014, 225, 18-23.	4.4	25
41	Disordered Co_{1.28}Mn_{1.71}O₄ as a Visibleâ€Lightâ€Responsive Photocatalyst for Hydrogen Evolution. Chemistry - A European Journal, 2013, 19, 4123-4127.	3.3	24
42	Unidirectional suppression of hydrogen oxidation on oxidized platinum clusters. Nature Communications, 2013, 4, 2500.	12.8	197
43	Cuï£¿Cu₂Oï£¿TiO₂ Nanojunction Systems with an Unusual Electronâ€“Hole Transportation Pathway and Enhanced Photocatalytic Properties. Chemistry - an Asian Journal, 2013, 8, 1265-1270.	3.3	47
44	Deposition of SnO₂ on the Anatase TiO₂ {105} Facets with High Photocatalytic Performance. Chinese Journal of Chemistry, 2013, 31, 1503-1507.	4.9	5
45	Active sites on hydrogen evolution photocatalyst. Journal of Materials Chemistry A, 2013, 1, 15258.	10.3	96
46	Assembly of ultrathin PbBiO2Br nanosheets with enhanced visible light photocatalytic properties. RSC Advances, 2013, 3, 10687.	3.6	22
47	Soft chemistry synthesis of high-crystalline orthogermanate CeGeO4: A new photocatalyst. Journal of Solid State Chemistry, 2013, 197, 204-208.	2.9	6
48	Fabrication of Regular ZnO/TiO₂ Heterojunctions with Enhanced Photocatalytic Properties. Chemistry - A European Journal, 2013, 19, 8393-8396.	3.3	35
49	Ultrathin SnO₂ Scaffolds for TiO₂â€Based Heterojunction Photoanodes in Dyeâ€Sensitized Solar Cells: Oriented Charge Transport and Improved Light Scattering. Chemistry - A European Journal, 2013, 19, 9366-9370.	3.3	31
50	TiO₂-Coated Ultrathin SnO₂ Nanosheets Used as Photoanodes for Dye-Sensitized Solar Cells with High Efficiency. Industrial & Engineering Chemistry Research, 2012, 51, 4247-4253.	3.7	52
51	Ceria Foam with Atomically Thin Singleâ€Crystal Walls. Angewandte Chemie - International Edition, 2012, 51, 3611-3615.	13.8	18
52	Inorganic Photocatalysts for Overall Water Splitting. Chemistry - an Asian Journal, 2012, 7, 642-657.	3.3	160
53	Ultra-thin anatase TiO₂nanosheets dominated with {001} facets: thickness-controlled synthesis, growth mechanism and water-splitting properties. CrystEngComm, 2011, 13, 1378-1383.	2.6	189
54	Anatase TiO₂ Crystals with Exposed Highâ€Index Facets. Angewandte Chemie - International Edition, 2011, 50, 3764-3768.	13.8	159