

# Jun Xing

## List of Publications by Year in descending order

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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	Perovskite light-emitting diodes with external quantum efficiency exceeding 20 per cent. Nature, 2018, 562, 245-248.	27.8	2,589
2	Color-stable highly luminescent sky-blue perovskite light-emitting diodes. Nature Communications, 2018, 9, 3541.	12.8	536
3	High-Quality Whispering-Gallery-Mode Lasing from Cesium Lead Halide Perovskite Nanoplatelets. Advanced Functional Materials, 2016, 26, 6238-6245.	14.9	529
4	Vapor Phase Synthesis of Organometal Halide Perovskite Nanowires for Tunable Room-Temperature Nanolasers. Nano Letters, 2015, 15, 4571-4577.	9.1	405
5	Spin control in reduced-dimensional chiral perovskites. Nature Photonics, 2018, 12, 528-533.	31.4	371
6	High-Efficiency Light-Emitting Diodes of Organometal Halide Perovskite Amorphous Nanoparticles. ACS Nano, 2016, 10, 6623-6630.	14.6	347
7	High-yield synthesis and optical properties of g-C <sub>3</sub> N <sub>4</sub> . Nanoscale, 2015, 7, 12343-12350.	5.6	303
8	Metal halide perovskite nanomaterials: synthesis and applications. Chemical Science, 2017, 8, 2522-2536.	7.4	233
9	Highly Efficient Visible Colloidal Lead-Halide Perovskite Nanocrystal Light-Emitting Diodes. Nano Letters, 2018, 18, 3157-3164.	9.1	199
10	Unidirectional suppression of hydrogen oxidation on oxidized platinum clusters. Nature Communications, 2013, 4, 2500.	12.8	197
11	Ultra-thin anatase TiO <sub>2</sub> nanosheets dominated with {001} facets: thickness-controlled synthesis, growth mechanism and water-splitting properties. CrystEngComm, 2011, 13, 1378-1383.	2.6	189
12	Giant Two-Photon Absorption and Its Saturation in 2D Organic-Inorganic Perovskite. Advanced Optical Materials, 2017, 5, 1601045.	7.3	175
13	Stable Isolated Metal Atoms as Active Sites for Photocatalytic Hydrogen Evolution. Chemistry - A European Journal, 2014, 20, 2138-2144.	3.3	173
14	Inorganic Photocatalysts for Overall Water Splitting. Chemistry - an Asian Journal, 2012, 7, 642-657.	3.3	160
15	Solution-processed highly bright and durable cesium lead halide perovskite light-emitting diodes. Nanoscale, 2016, 8, 18021-18026.	5.6	160
16	Anatase TiO <sub>2</sub> Crystals with Exposed High-Index Facets. Angewandte Chemie - International Edition, 2011, 50, 3764-3768.	13.8	159
17	Role of the Exciton-Polariton in a Continuous-Wave Optically Pumped CsPbBr <sub>3</sub> Perovskite Laser. Nano Letters, 2020, 20, 6636-6643.	9.1	145
18	Manipulating efficient light emission in two-dimensional perovskite crystals by pressure-induced anisotropic deformation. Science Advances, 2019, 5, eaav9445.	10.3	130

#	ARTICLE	IF	CITATIONS
19	Room temperature long-range coherent exciton polariton condensate flow in lead halide perovskites. Science Advances, 2018, 4, eaau0244.	10.3	111
20	Room Temperature Coherently Coupled Exciton-Polaritons in Two-Dimensional Organic-Inorganic Perovskite. ACS Nano, 2018, 12, 8382-8389.	14.6	107
21	The Rise of Perovskite Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2019, 10, 3035-3042.	4.6	101
22	Active sites on hydrogen evolution photocatalyst. Journal of Materials Chemistry A, 2013, 1, 15258.	10.3	96
23	Plasmonic heating from indium nanoparticles on a floating microporous membrane for enhanced solar seawater desalination. Nanoscale, 2017, 9, 12843-12849.	5.6	91
24	The size and valence state effect of Pt on photocatalytic H <sub>2</sub> evolution over platinumized TiO <sub>2</sub> photocatalyst. International Journal of Hydrogen Energy, 2014, 39, 1237-1242.	7.1	82
25	Opportunities and challenges in perovskite LED commercialization. Journal of Materials Chemistry C, 2021, 9, 3795-3799.	5.5	70
26	Bright Exciton Fine-Structure in Two-Dimensional Lead Halide Perovskites. Nano Letters, 2020, 20, 5141-5148.	9.1	57
27	TiO <sub>2</sub> -Coated Ultrathin SnO <sub>2</sub> Nanosheets Used as Photoanodes for Dye-Sensitized Solar Cells with High Efficiency. Industrial & Engineering Chemistry Research, 2012, 51, 4247-4253.	3.7	52
28	Cu <sub>2</sub> O/TiO <sub>2</sub> Nanojunction Systems with an Unusual Electron-Hole Transportation Pathway and Enhanced Photocatalytic Properties. Chemistry - an Asian Journal, 2013, 8, 1265-1270.	3.3	47
29	Temperature effect of the compact TiO <sub>2</sub> 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
30	Fabrication of Regular ZnO/TiO <sub>2</sub> Heterojunctions with Enhanced Photocatalytic Properties. Chemistry - A European Journal, 2013, 19, 8393-8396.	3.3	35
31	Molecular engineering towards efficient white-light-emitting perovskite. Nature Communications, 2021, 12, 4890.	12.8	32
32	Ultrathin SnO <sub>2</sub> Scaffolds for TiO <sub>2</sub> -Based Heterojunction Photoanodes in Dye-Sensitized Solar Cells: Oriented Charge Transport and Improved Light Scattering. Chemistry - A European Journal, 2013, 19, 9366-9370.	3.3	31
33	Cluster Size Effects of Platinum Oxide as Active Sites in Hydrogen Evolution Reactions. Chemistry - A European Journal, 2014, 20, 12377-12380.	3.3	30
34	Efficient up-conversion photoluminescence in all-inorganic lead halide perovskite nanocrystals. Nano Research, 2020, 13, 1962-1969.	10.4	27
35	Optical study on intrinsic exciton states in high-quality CH <sub>3NH<sub>3</sub>PbBr<sub>3</sub></sub> single crystals. Physical Review B, 2017, 96, .	3.2	26
36	Enhancing photocatalytic activity of Sn doped TiO <sub>2</sub> dominated with {105} facets. Catalysis Today, 2014, 225, 18-23.	4.4	25

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37	Nonlinear optical response of Au nanorods for broadband pulse modulation in bulk visible lasers. Applied Physics Letters, 2015, 107, .	3.3	25
38	Disordered $\text{Co}_{1.28}\text{Mn}_{1.71}\text{O}_4$ as a Visible-Light-Responsive Photocatalyst for Hydrogen Evolution. Chemistry - A European Journal, 2013, 19, 4123-4127.	3.3	24
39	Assembly of ultrathin $\text{PbBiO}_2\text{Br}$ nanosheets with enhanced visible light photocatalytic properties. RSC Advances, 2013, 3, 10687.	3.6	22
40	Ultrafast Photogenerated Hole Extraction/Transport Behavior in a $\text{CH}_3\text{NH}_3\text{Pb}_3/\text{Carbon}$ Nanocomposite and Its Application in a Metal-Free Solar Cell. ChemPhysChem, 2016, 17, 4102-4109.	2.1	21
41	Thermal conductivity of suspended single crystal $\text{CH}_3\text{NH}_3\text{Pb}_3$ platelets at room temperature. Nanoscale, 2017, 9, 8281-8287.	5.6	20
42	Ceria Foam with Atomically Thin Single-Crystal Walls. Angewandte Chemie - International Edition, 2012, 51, 3611-3615.	13.8	18
43	Silicon nitride nanobeam enhanced emission from all-inorganic perovskite nanocrystals. Optics Express, 2019, 27, 18673.	3.4	11
44	Direct and indirect exciton transitions in two-dimensional lead halide perovskite semiconductors. Journal of Chemical Physics, 2020, 153, 064705.	3.0	10
45	Interfacial engineering boosting charge extraction for efficient photocatalytic hydrogen evolution. Chemical Engineering Journal, 2022, 450, 138015.	12.7	9
46	Soft chemistry synthesis of high-crystalline orthogermanate $\text{CeGeO}_4$ : A new photocatalyst. Journal of Solid State Chemistry, 2013, 197, 204-208.	2.9	6
47	Deposition of $\text{SnO}_2$ on the Anatase $\text{TiO}_2$ {105} Facets with High Photocatalytic Performance. Chinese Journal of Chemistry, 2013, 31, 1503-1507.	4.9	5
48	Effects of organic ligands on efficiency and stability of perovskite light-emitting diodes. Journal of Materials Science, 2021, 56, 11436-11447.	3.7	5
49	Stable Isolated Metal Atoms as Active Sites for Photocatalytic Hydrogen Evolution. Chemistry - A European Journal, 2014, 20, 2088-2088.	3.3	3
50	Pores on $\text{TiO}_2$ nanosheets with exposed high active facets. Materials Letters, 2014, 123, 254-257.	2.6	3
51	Solution-precipitation synthesis of perovskite polyhedron and its lasing applications. Journal of Materials Chemistry C, 2020, 8, 6667-6671.	5.5	3
52	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
53	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
54	Potential development of all-inorganic perovskites. Frontiers of Physics, 2021, 16, 1.	5.0	1