

# Xueqin Liu

## List of Publications by Year in descending order

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39  
papers

3,180  
citations

185998

28  
h-index

301761

39  
g-index

39  
all docs

39  
docs citations

39  
times ranked

5277  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noble metal-metal oxide nanohybrids with tailored nanostructures for efficient solar energy conversion, photocatalysis and environmental remediation. <i>Energy and Environmental Science</i> , 2017, 10, 402-434.	15.6	820
2	Carbon Quantum Dot Implanted Graphite Carbon Nitride Nanotubes: Excellent Charge Separation and Enhanced Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5765-5771.	7.2	372
3	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4280-4284.	7.2	257
4	Recent advances in interfacial engineering of perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 373002.	1.3	129
5	Interconnected Ni(HCO <sub>3</sub> ) <sub>2</sub> Hollow Spheres Enabled by Self-Sacrificial Templating with Enhanced Lithium Storage Properties. <i>ACS Energy Letters</i> , 2017, 2, 111-116.	8.8	108
6	General and Robust Photothermal-Heating-Enabled High-Efficiency Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , 2021, 33, e2004406.	11.1	104
7	A Robust Route to Co <sub>2</sub> (OH) <sub>2</sub> CO <sub>3</sub> Ultrathin Nanosheets with Superior Lithium Storage Capability Templated by Aspartic Acid-Functionalized Graphene Oxide. <i>Advanced Energy Materials</i> , 2019, 9, 1901093.	10.2	94
8	CuO nanowires prepared via a facile solution route and their photocatalytic property. <i>Materials Letters</i> , 2012, 72, 49-52.	1.3	82
9	Photothermal effect-enhanced photoelectrochemical water splitting of a BiVO <sub>4</sub> photoanode modified with dual-functional polyaniline. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15976-15983.	5.2	81
10	Structure Tuning of Polymeric Carbon Nitride for Solar Energy Conversion: From Nano to Molecular Scale. <i>CheM</i> , 2019, 5, 2775-2813.	5.8	78
11	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 4352-4356.	1.6	71
12	SnO <sub>2</sub> as Advanced Anode of Alkali-Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility. <i>Advanced Energy Materials</i> , 2020, 10, 1902657.	10.2	71
13	Promoting Oxygen Evolution Reaction of Co-Based Catalysts (Co <sub>3</sub> O <sub>4</sub> , CoS). <i>Tj ETQq1 1 0.784314 rgBT /O</i>	5.2	68
14	Hierarchically porous CuO nano-labyrinths as binder-free anodes for long-life and high-rate lithium ion batteries. <i>Nano Energy</i> , 2019, 59, 229-236.	8.2	67
15	Tailoring TiO <sub>2</sub> Nanotube-Interlaced Graphite Carbon Nitride Nanosheets for Improving Visible-Light-Driven Photocatalytic Performance. <i>Advanced Science</i> , 2018, 5, 1700844.	5.6	66
16	Photothermal effect of carbon quantum dots enhanced photoelectrochemical water splitting of hematite photoanodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14915-14920.	5.2	58
17	A green one-pot approach for mesoporous g-C <sub>3</sub> N <sub>4</sub> nanosheets with in situ sodium doping for enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 748-756.	3.8	57
18	Facile synthesis of sulfur-doped polymeric carbon nitride/MoS <sub>2</sub> face-to-face heterojunction for highly efficient photocatalytic interfacial charge separation. <i>Chemical Engineering Journal</i> , 2020, 384, 123330.	6.6	57

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19	Synergistically enhanced charge separation in BiFeO <sub>3</sub> /Sn:TiO <sub>2</sub> nanorod photoanode via bulk and surface dual modifications. <i>Nano Energy</i> , 2019, 59, 33-40.	8.2	53
20	Spatial engineering of a Co(OH) <sub>2</sub> encapsulated p-Cu <sub>2</sub> S/n-BiVO <sub>4</sub> photoanode: simultaneously promoting charge separation and surface reaction kinetics in solar water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6747-6752.	5.2	43
21	Graphene confined MoS <sub>2</sub> particles for accelerated electrocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 8070-8078.	3.8	42
22	Controllable synthesis of Ag@CuO composite nanosheets with enhanced photocatalytic property. <i>Materials Letters</i> , 2014, 120, 16-19.	1.3	41
23	Facile synthesis of core-shell CuO/Ag nanowires with enhanced photocatalytic and enhancement in photocurrent. <i>Journal of Colloid and Interface Science</i> , 2014, 419, 9-16.	5.0	38
24	Fabrication and photocatalytic property of CuO nanosheets via a facile solution route. <i>Crystal Research and Technology</i> , 2012, 47, 1140-1147.	0.6	36
25	From polymeric carbon nitride to carbon materials: extended application to electrochemical energy conversion and storage. <i>Nanoscale</i> , 2020, 12, 8636-8646.	2.8	36
26	Enabling highly efficient photocatalytic hydrogen generation and organics degradation via a perovskite solar cell-assisted semiconducting nanocomposite photoanode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 165-171.	5.2	33
27	Preparation of CuO/C core-shell nanowires and its application in lithium ion batteries. <i>Materials Letters</i> , 2012, 80, 37-39.	1.3	30
28	Zinc Oxide nanorod/Au composite arrays and their enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 170-175.	5.0	30
29	Facile synthesis and characterization of hierarchical CuO nanoarchitectures by a simple solution route. <i>Crystal Research and Technology</i> , 2009, 44, 1277-1283.	0.6	22
30	Spinel-Oxide-Integrated BiVO <sub>4</sub> Photoanodes with Photothermal Effect for Efficient Solar Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48901-48912.	4.0	21
31	Ordered Single-Crystalline Anatase TiO <sub>2</sub> Nanorod Clusters Planted on Graphene for Fast Charge Transfer in Photoelectrochemical Solar Cells. <i>Small</i> , 2017, 13, 1700793.	5.2	19
32	K <sup>+</sup> -Intercalated carbon nitride with electron storage property for high-efficiency visible light driven nitrogen fixation. <i>Chemical Engineering Journal</i> , 2022, 433, 133573.	6.6	19
33	Conversion from ZnO nanospindles into ZnO/ZnS core/shell composites and ZnS microspindles. <i>Crystal Research and Technology</i> , 2009, 44, 402-408.	0.6	17
34	Surface-enhanced Raman scattering and photocurrent multiplication phenomenon of ZnO/Ag nanoarrays. <i>Materials Letters</i> , 2013, 94, 19-22.	1.3	17
35	Sonochemical synthesis and characterization of ZnO nanorod/Ag nanoparticle composites. <i>Crystal Research and Technology</i> , 2009, 44, 1249-1254.	0.6	16
36	Harvesting the infrared part of solar light to promote charge transfer in Bi <sub>2</sub> S <sub>3</sub> /WO <sub>3</sub> photoanode for enhanced photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 267-274.	5.0	12

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37	Controllable synthesis and characterization of Ag@AgBr core-shell nanowires. Materials Research Bulletin, 2012, 47, 1285-1288.	2.7	8
38	Surface oxygen vacancies of TiO <sub>2</sub> nanorods by electron beam irradiation for efficient photoelectrochemical water splitting. CrystEngComm, 2021, 23, 2952-2960.	1.3	6
39	Solar Cells: Ordered Single-Crystalline Anatase TiO <sub>2</sub> Nanorod Clusters Planted on Graphene for Fast Charge Transfer in Photoelectrochemical Solar Cells (Small 28/2017). Small, 2017, 13,	5.2	1