Yongpeng Liu

List of Publications by Year
in descending order

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		471509	477307
32	1,176	17	29
papers	citations	h-index	g-index

32	32	32	1448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bulk Heterojunction Organic Semiconductor Photoanodes: Tuning Energy Levels to Optimize Electron Injection. ACS Applied Materials & Interfaces, 2022, 14, 8191-8198.	8.0	5
2	High Performance Semiconducting Nanosheets via a Scalable Powder-Based Electrochemical Exfoliation Technique. ACS Nano, 2022, 16, 5719-5730.	14.6	20
3	Covalent Organic Framework Nanoplates Enable Solution-Processed Crystalline Nanofilms for Photoelectrochemical Hydrogen Evolution. Journal of the American Chemical Society, 2022, 144, 10291-10300.	13.7	33
4	Defect engineered nanostructured LaFeO₃ photoanodes for improved activity in solar water oxidation. Journal of Materials Chemistry A, 2021, 9, 2888-2898.	10.3	13
5	A hybrid bulk-heterojunction photoanode for direct solar-to-chemical conversion. Energy and Environmental Science, 2021, 14, 3141-3151.	30.8	20
6	A Direct Z-Scheme for the Photocatalytic Hydrogen Production from a Water Ethanol Mixture on CoTiO₃/TiO₂ Heterostructures. ACS Applied Materials & Interfaces, 2021, 13, 449-457.	8.0	37
7	Spectroelectrochemical and Chemical Evidence of Surface Passivation at Zinc Ferrite (ZnFe₂O₄) Photoanodes for Solar Water Oxidation. Advanced Functional Materials, 2021, 31, 2010081.	14.9	26
8	Photodehydrogenation of Ethanol over Cu2O/TiO2 Heterostructures. Nanomaterials, 2021, 11, 1399.	4.1	11
9	A semiconducting polymer bulk heterojunction photoanode for solar water oxidation. Nature Catalysis, 2021, 4, 431-438.	34.4	48
10	Spray Synthesis of CuFeO₂ Photocathodes and In-Operando Assessment of Charge Carrier Recombination. Journal of Physical Chemistry C, 2021, 125, 10883-10890.	3.1	12
11	Identifying Reactive Sites and Surface Traps in Chalcopyrite Photocathodes. Angewandte Chemie - International Edition, 2021, 60, 23651-23655.	13.8	11
12	Identifizierung von reaktiven Zentren und OberflÃchenfallen in Chalkopyritâ€Photokathoden. Angewandte Chemie, 2021, 133, 23843-23847.	2.0	2
13	Key factors boosting the performance of planar ZnFe₂O₄ photoanodes for solar water oxidation. Journal of Materials Chemistry A, 2021, 9, 27736-27747.	10.3	6
14	Understanding Surface Recombination Processes Using Intensityâ€Modulated Photovoltage Spectroscopy on Hematite Photoanodes for Solar Water Splitting. Helvetica Chimica Acta, 2020, 103, e2000064.	1.6	8
15	Establishing Stability in Organic Semiconductor Photocathodes for Solar Hydrogen Production. Journal of the American Chemical Society, 2020, 142, 7795-7802.	13.7	45
16	MIL-101(Fe)/g-C3N4 for enhanced visible-light-driven photocatalysis toward simultaneous reduction of Cr(VI) and oxidation of bisphenol A in aqueous media. Applied Catalysis B: Environmental, 2020, 272, 119033.	20.2	293
17	In Situ Electrochemical Oxidation of Cu₂S into CuO Nanowires as a Durable and Efficient Electrocatalyst for Oxygen Evolution Reaction. Chemistry of Materials, 2019, 31, 7732-7743.	6.7	131
18	Hematite Photoanodes for Solar Water Splitting: A Detailed Spectroelectrochemical Analysis on the pH-Dependent Performance. ACS Applied Energy Materials, 2019, 2, 6825-6833.	5.1	59

#	Article	IF	Citations
19	Lead Halide Perovskite Quantum Dots To Enhance the Power Conversion Efficiency of Organic Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 12696-12704.	13.8	27
20	Lead Halide Perovskite Quantum Dots To Enhance the Power Conversion Efficiency of Organic Solar Cells. Angewandte Chemie, 2019, 131, 12826-12834.	2.0	10
21	Porous NiTiO₃/TiO₂nanostructures for photocatatalytic hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 17053-17059.	10.3	33
22	Solution-Processed Ultrathin SnS₂â€“Pt Nanoplates for Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 6918-6926.	8.0	57
23	Insights into the interfacial carrier behaviour of copper ferrite (CuFe₂O₄) photoanodes for solar water oxidation. Journal of Materials Chemistry A, 2019, 7, 1669-1677.	10.3	65
24	Fully Conjugated Donorâ€“Acceptor Block Copolymers for Organic Photovoltaics via Heckâ€“Mizoroki Coupling. ACS Macro Letters, 2019, 8, 134-139.	4.8	25
25	Melt-processing of small molecule organic photovoltaics via bulk heterojunction compatibilization. Green Chemistry, 2018, 20, 2218-2224.	9.0	9
26	Spinel Structural Disorder Influences Solarâ€Waterâ€Splitting Performance of ZnFe₂O₄ Nanorod Photoanodes. Advanced Materials, 2018, 30, e1801612.	21.0	111
27	Effects of co-doped barium cerate additive on morphology, conductivity and electrochemical properties of samarium doped ceria electrolyte for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2018, 43, 16293-16301.	7.1	14
28	Manufacturing with light - micro-assembly of opto-electronic microstructures. Optics Express, 2017, 25, 28838.	3.4	23
29	Use of optoelectronic tweezers in manufacturingâ€”accurate solder bead positioning. Applied Physics Letters, 2016, 109, .	3.3	21
30	Organic Semiconductors for Photoelectrochemical Applications. , 0, , .		0
31	Operando Potential-Sensing at the Semiconductor-Liquid Junctions: Tracking the Surface Energetics and Interfacial Kinetics during Photoelectrosynthetic Reactions. , 0, , .		1
32	Operando Potential-Sensing at the Semiconductor-Liquid Junctions: Tracking the Surface Energetics and Interfacial Kinetics during Photoelectrosynthetic Reactions. , 0, , .		0