

Ailong Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

1,074
citations

17
h-index

20
g-index

20
ext. papers

1,347
ext. citations

12.8
avg, IF

4.27
L-index

#	Paper	IF	Citations
20	Enhancing charge separation on high symmetry SrTiO ₃ exposed with anisotropic facets for photocatalytic water splitting. <i>Energy and Environmental Science</i> , 2016 , 9, 2463-2469	35.4	274
19	Understanding the anatase-rutile phase junction in charge separation and transfer in a TiO ₂ electrode for photoelectrochemical water splitting. <i>Chemical Science</i> , 2016 , 7, 6076-6082	9.4	114
18	Earth-Abundant Transition-Metal-Based Electrocatalysts for Water Electrolysis to Produce Renewable Hydrogen. <i>Chemistry - A European Journal</i> , 2018 , 24, 18334-18355	4.8	111
17	Stable Potential Windows for Long-Term Electrocatalysis by Manganese Oxides Under Acidic Conditions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5054-5058	16.4	91
16	Strategies for Efficient Charge Separation and Transfer in Artificial Photosynthesis of Solar Fuels. <i>ChemSusChem</i> , 2017 , 10, 4277-4305	8.3	58
15	The dependence of photocatalytic activity on the selective and nonselective deposition of noble metal cocatalysts on the facets of rutile TiO ₂ . <i>Journal of Catalysis</i> , 2016 , 337, 36-44	7.3	56
14	In Situ Electrodeposited Indium Nanocrystals for Efficient CO ₂ Reduction to CO with Low Overpotential. <i>ACS Catalysis</i> , 2016 , 6, 6438-6443	13.1	52
13	Photovoltaic device based on TiO ₂ rutile/anatase phase junctions fabricated in coaxial nanorod arrays. <i>Nano Energy</i> , 2015 , 15, 406-412	17.1	46
12	Achieving overall water splitting on plasmon-based solid Z-scheme photocatalysts free of redox mediators. <i>Journal of Catalysis</i> , 2017 , 354, 250-257	7.3	39
11	Design and Fabrication of a Dual-Photoelectrode Fuel Cell towards Cost-Effective Electricity Production from Biomass. <i>ChemSusChem</i> , 2017 , 10, 99-105	8.3	39
10	Conversion of Biomass Derivatives to Electricity in Photo Fuel Cells using Undoped and Tungsten-doped Bismuth Vanadate Photoanodes. <i>ChemSusChem</i> , 2015 , 8, 4049-55	8.3	33
9	Substrate-Electrode Interface Engineering by an Electron-Transport Layer in Hematite Photoanode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7086-91	9.5	26
8	Influence of the Electrostatic Interaction between a Molecular Catalyst and Semiconductor on Photocatalytic Hydrogen Evolution Activity in Cobaloxime/CdS Hybrid Systems. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23230-23237	9.5	25
7	Stable Potential Windows for Long-Term Electrocatalysis by Manganese Oxides Under Acidic Conditions. <i>Angewandte Chemie</i> , 2019 , 131, 5108-5112	3.6	25
6	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. <i>Advanced Energy Materials</i> , 2020 , 10, 2000523	21.8	22
5	Enhancing the stability of cobalt spinel oxide towards sustainable oxygen evolution in acid. <i>Nature Catalysis</i> , 2022 , 5, 109-118	36.5	20
4	First-Principles Screening of Lead-Free Methylammonium Metal Iodine Perovskites for Photovoltaic Application. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24359-24364	3.8	19

- 3 Decorating mesoporous silicon with amorphous metal phosphorous-derived nanocatalysts towards enhanced photoelectrochemical water reduction. *Journal of Materials Chemistry A*, **2016**, 4, 14960-14967
- 2 Enhancing photoresponsivity of self-powered UV photodetectors based on electrochemically reduced TiO₂ nanorods. *RSC Advances*, **2015**, 5, 95939-95942
- 1 Supercapacitors: An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors (Adv. Energy Mater. 20/2020). *Advanced Energy Materials*, **2020**, 10, 2070090