Ailong Li

List of Publications by Year in Descending Order

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 the stability of cobalt spinel oxide towards sustainable oxygen evolution in acid. *Nature Catalysis*, **2022**, 5, 109-118	36.5	20
19	Supercapacitors: An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors (Adv. Energy Mater. 20/2020). *Advanced Energy Materials*, **2020**, 10, 2070090	21.8	2
18	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. *Advanced Energy Materials*, **2020**, 10, 2000523	21.8	22
17	Stable Potential Windows for Long-Term Electrocatalysis by Manganese Oxides Under Acidic Conditions. *Angewandte Chemie*, **2019**, 131, 5108-5112	3.6	25
16	Stable Potential Windows for Long-Term Electrocatalysis by Manganese Oxides Under Acidic Conditions. *Angewandte Chemie - International Edition*, **2019**, 58, 5054-5058	16.4	91
15	Earth-Abundant Transition-Metal-Based Electrocatalysts for Water Electrolysis to Produce Renewable Hydrogen. *Chemistry - A European Journal*, **2018**, 24, 18334-18355	4.8	111
14	Influence of the Electrostatic Interaction between a Molecular Catalyst and Semiconductor on Photocatalytic Hydrogen Evolution Activity in Cobaloxime/CdS Hybrid Systems. *ACS Applied Materials & Interfaces*, **2017**, 9, 23230-23237	9.5	25
13	First-Principles Screening of Lead-Free Methylammonium Metal Iodine Perovskites for Photovoltaic Application. *Journal of Physical Chemistry C*, **2017**, 121, 24359-24364	3.8	19
12	Achieving overall water splitting on plasmon-based solid Z-scheme photocatalysts free of redox mediators. *Journal of Catalysis*, **2017**, 354, 250-257	7.3	39
11	Strategies for Efficient Charge Separation and Transfer in Artificial Photosynthesis of Solar Fuels. *ChemSusChem*, **2017**, 10, 4277-4305	8.3	58
10	Design and Fabrication of a Dual-Photoelectrode Fuel Cell towards Cost-Effective Electricity Production from Biomass. *ChemSusChem*, **2017**, 10, 99-105	8.3	39
9	In Situ Electrodeposited Indium Nanocrystals for Efficient CO2 Reduction to CO with Low Overpotential. *ACS Catalysis*, **2016**, 6, 6438-6443	13.1	52
8	Enhancing charge separation on high symmetry SrTiO3 exposed with anisotropic facets for photocatalytic water splitting. *Energy and Environmental Science*, **2016**, 9, 2463-2469	35.4	274
7	Understanding the anatase-rutile phase junction in charge separation and transfer in a TiO electrode for photoelectrochemical water splitting. *Chemical Science*, **2016**, 7, 6076-6082	9.4	114
6	The dependence of photocatalytic activity on the selective and nonselective deposition of noble metal cocatalysts on the facets of rutile TiO2. *Journal of Catalysis*, **2016**, 337, 36-44	7.3	56
5	Substrate-Electrode Interface Engineering by an Electron-Transport Layer in Hematite Photoanode. *ACS Applied Materials & Interfaces*, **2016**, 8, 7086-91	9.5	26
4	Decorating mesoporous silicon with amorphous metal Phosphorous-derived nanocatalysts towards enhanced photoelectrochemical water reduction. *Journal of Materials Chemistry A*, **2016**, 4, 14960-14967	13	15

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3	Enhancing photoresponsivity of self-powered UV photodetectors based on electrochemically reduced TiO2 nanorods. *RSC Advances*, **2015**, 5, 95939-95942	3.7	7
2	Conversion of Biomass Derivatives to Electricity in Photo Fuel Cells using Undoped and Tungsten-doped Bismuth Vanadate Photoanodes. *ChemSusChem*, **2015**, 8, 4049-55	8.3	33
1	Photovoltaic device based on TiO2 rutile/anatase phase junctions fabricated in coaxial nanorod arrays. *Nano Energy*, **2015**, 15, 406-412	17.1	46