

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.

46 papers	5,834 citations	36 h-index	46 g-index
46 ext. papers	6,675 ext. citations	14 avg, IF	6.5 L-index

#	Paper	IF	Citations
46	Enhanced Surface Reaction Kinetics and Charge Separation of p-n Heterojunction Co ₃ O ₄ /BiVO ₄ Photoanodes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8356-9	16.4	611
45	Tantalum-based semiconductors for solar water splitting. <i>Chemical Society Reviews</i> , 2014 , 43, 4395-422	58.5	360
44	Dynamic traction of lattice-confined platinum atoms into mesoporous carbon matrix for hydrogen evolution reaction. <i>Science Advances</i> , 2018 , 4, eaao6657	14.3	344
43	Formation of Double-Shelled Zinc-Cobalt Sulfide Dodecahedral Cages from Bimetallic Zeolitic Imidazolate Frameworks for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7141-7145	16.4	326
42	Mechanistic Understanding of the Plasmonic Enhancement for Solar Water Splitting. <i>Advanced Materials</i> , 2015 , 27, 5328-42	24	301
41	Controllable synthesis of nanotube-type graphitic C ₃ N ₄ and their visible-light photocatalytic and fluorescent properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2885	13	223
40	Construction of CoO/Co-Cu-S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15441-15447	16.4	217
39	Dendritic Au/TiO ₂ nanorod arrays for visible-light driven photoelectrochemical water splitting. <i>Nanoscale</i> , 2013 , 5, 9001-9	7.7	211
38	Selective deposition of Ag ₂ PO ₄ on monoclinic BiVO ₄ (040) for highly efficient photocatalysis. <i>Small</i> , 2013 , 9, 3951-6, 3950	11	200
37	Effective Charge Carrier Utilization in Photocatalytic Conversions. <i>Accounts of Chemical Research</i> , 2016 , 49, 911-21	24.3	200
36	Design of Heterostructured Hollow Photocatalysts for Solar-to-Chemical Energy Conversion. <i>Advanced Materials</i> , 2019 , 31, e1900281	24	191
35	Monoclinic porous BiVO ₄ networks decorated by discrete g-C ₃ N ₄ nano-islands with tunable coverage for highly efficient photocatalysis. <i>Small</i> , 2014 , 10, 2783-90, 2741	11	187
34	Facile Synthesis of Multi-shelled ZnS-CdS Cages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Chem</i> , 2018 , 4, 162-173	16.2	170
33	Fabrication of CdS hierarchical multi-cavity hollow particles for efficient visible light CO ₂ reduction. <i>Energy and Environmental Science</i> , 2019 , 12, 164-168	35.4	156
32	Construction of Hierarchical Co-Fe Oxyphosphide Microtubes for Electrocatalytic Overall Water Splitting. <i>Advanced Science</i> , 2019 , 6, 1900576	13.6	155
31	Synergistic Cocatalytic Effect of Carbon Nanodots and Co ₃ O ₄ Nanoclusters for the Photoelectrochemical Water Oxidation on Hematite. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5851-5	16.4	153
30	Reduced Graphene Oxide (rGO)/BiVO ₄ Composites with Maximized Interfacial Coupling for Visible Light Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2253-2258	8.3	140

29	Stable Aqueous Photoelectrochemical CO ₂ Reduction by a Cu ₂ O Dark Cathode with Improved Selectivity for Carbonaceous Products. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8840-5	16.4	135
28	Monoclinic WO ₃ nanomultilayers with preferentially exposed (002) facets for photoelectrochemical water splitting. <i>Nano Energy</i> , 2015 , 11, 189-195	17.1	128
27	Au nanoparticle sensitized ZnO nanopencil arrays for photoelectrochemical water splitting. <i>Nanoscale</i> , 2015 , 7, 77-81	7.7	115
26	Spatial separation of oxidation and reduction co-catalysts for efficient charge separation: Pt@TiO ₂ @MnO hollow spheres for photocatalytic reactions. <i>Chemical Science</i> , 2016 , 7, 890-895	9.4	111
25	Nitrogen-Doped Cobalt Pyrite Yolk-Shell Hollow Spheres for Long-Life Rechargeable Zn-Air Batteries. <i>Advanced Science</i> , 2020 , 7, 2001178	13.6	103
24	Construction of Heterostructured Fe ₃ O ₄ -TiO ₂ Microdumbbells for Photoelectrochemical Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15076-15080	16.4	97
23	Mesoporous anatase TiO ₂ nanocups with plasmonic metal decoration for highly active visible-light photocatalysis. <i>Chemical Communications</i> , 2013 , 49, 5817-9	5.8	96
22	Gold Nanorod@TiO ₂ Yolk-Shell Nanostructures for Visible-Light-Driven Photocatalytic Oxidation of Benzyl Alcohol. <i>Small</i> , 2015 , 11, 1892-9	11	92
21	Ultrasml MoO ₃ Clusters as a Novel Cocatalyst for Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2019 , 31, e1804883	24	82
20	Ordering of Gold Nanorods in Confined Spaces by Directed Assembly. <i>Macromolecules</i> , 2013 , 46, 2241-2248	5.3	69
19	Current Mechanistic Understanding of Surface Reactions over Water-Splitting Photocatalysts. <i>Chem</i> , 2018 , 4, 223-245	16.2	68
18	Facile synthesis of ZnO nanopencil arrays for photoelectrochemical water splitting. <i>Nano Energy</i> , 2014 , 7, 143-150	17.1	66
17	A general approach to synthesize asymmetric hybrid nanoparticles by interfacial reactions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3639-42	16.4	66
16	Near-infrared light-responsive vesicles of Au nanoflowers. <i>Chemical Communications</i> , 2013 , 49, 576-8	5.8	53
15	Fabrication of CdS Frame-in-Cage Particles for Efficient Photocatalytic Hydrogen Generation under Visible-Light Irradiation. <i>Advanced Materials</i> , 2020 , 32, e2004561	24	53
14	Asymmetric organic/metal(oxide) hybrid nanoparticles: synthesis and applications. <i>Nanoscale</i> , 2013 , 5, 5151-66	7.7	42
13	Bridging the transport pathway of charge carriers in a Ta ₃ N ₅ nanotube array photoanode for solar water splitting. <i>Nanoscale</i> , 2015 , 7, 13153-8	7.7	41
12	Fabrication of Heterostructured Fe ₃ O ₄ -TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8128-8132	16.4	39

11	Passivation of surface states by ALD-grown TiO ₂ overlayers on Ta ₃ N ₅ anodes for photoelectrochemical water oxidation. <i>Chemical Communications</i> , 2016 , 52, 8806-9	5.8	37
10	On the origin of reactivity of steam reforming of ethylene glycol on supported Ni catalysts. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 4066-9	3.6	35
9	Superior reactivity of skeletal Ni-based catalysts for low-temperature steam reforming to produce CO-free hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3295-8	3.6	31
8	Facile synthesis of functional Au nanopatches and nanocups. <i>Chemical Communications</i> , 2012 , 48, 7344-6	5.8	27
7	Ultrasound assisted interfacial synthesis of gold nanocones. <i>Chemical Communications</i> , 2013 , 49, 987-9	5.8	27
6	Hollow spherical titanium dioxide nanoparticles for energy and environmental applications. <i>Particuology</i> , 2015 , 22, 13-23	2.8	21
5	Fabrication of Heterostructured Fe ₂ TiO ₅ /TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie</i> , 2020 , 132, 8205-8209	3.6	21
4	Self-Assembly of Shaped Nanoparticles into Free-Standing 2D and 3D Superlattices. <i>Small</i> , 2016 , 12, 499-505	11	19
3	Unraveling the rate-limiting step of two-electron transfer electrochemical reduction of carbon dioxide.. <i>Nature Communications</i> , 2022 , 13, 803	17.4	8
2	Simple Doping, Great Deal: Regulation of Lattice Oxygen for Water Splitting. <i>Chem</i> , 2018 , 4, 2739-2741	16.2	5
1	Performance Prediction of Multiple Photoanodes Systems for Unbiased Photoelectrochemical Water Splitting 2021 , 3, 939-946		2