

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.

61 papers	5,381 citations	30 h-index	66 g-index
66 ext. papers	6,925 ext. citations	13.8 avg, IF	5.8 L-index

#	Paper	IF	Citations
61	Homogeneously dispersed multimetal oxygen-evolving catalysts. <i>Science</i> , <b>2016</b> , 352, 333-7	33.3	1459
60	Atomically Dispersed Molybdenum Catalysts for Efficient Ambient Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2321-2325	16.4	380
59	Theory-driven design of high-valence metal sites for water oxidation confirmed using in situ soft X-ray absorption. <i>Nature Chemistry</i> , <b>2018</b> , 10, 149-154	17.6	328
58	Potential-Cycling Synthesis of Single Platinum Atoms for Efficient Hydrogen Evolution in Neutral Media. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13694-13698	16.4	326
57	Integration of Plasmonic Effects and Schottky Junctions into Metal-Organic Framework Composites: Steering Charge Flow for Enhanced Visible-Light Photocatalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1103-1107	16.4	296
56	Solution-Processable Glass LiI-Li4 SnS4 Superionic Conductors for All-Solid-State Li-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 1874-83	24	214
55	Nitrogen-coordinated single Fe sites for efficient electrocatalytic N2 fixation in neutral media. <i>Nano Energy</i> , <b>2019</b> , 61, 420-427	17.1	198
54	Surface patterning of nanoparticles with polymer patches. <i>Nature</i> , <b>2016</b> , 538, 79-83	50.4	196
53	Stable and Efficient Single-Atom Zn Catalyst for CO Reduction to CH. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12563-12567	16.4	188
52	Oxygen Release Induced Chemomechanical Breakdown of Layered Cathode Materials. <i>Nano Letters</i> , <b>2018</b> , 18, 3241-3249	11.5	163
51	Well-Dispersed Nickel- and Zinc-Tailored Electronic Structure of a Transition Metal Oxide for Highly Active Alkaline Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807771	24	149
50	Amorphization activated ruthenium-tellurium nanorods for efficient water splitting. <i>Nature Communications</i> , <b>2019</b> , 10, 5692	17.4	130
49	Facet Control of Gold Nanorods. <i>ACS Nano</i> , <b>2016</b> , 10, 2960-74	16.7	87
48	Efficient and stable electroreduction of CO2 to CH4 on CuS nanosheet arrays. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20239-20243	13	86
47	Fluorine-Anion-Modulated Electron Structure of Nickel Sulfide Nanosheet Arrays for Alkaline Hydrogen Evolution. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2905-2912	20.1	82
46	One-Nanometer-Thick Pt3Ni Bimetallic Alloy Nanowires Advanced Oxygen Reduction Reaction: Integrating Multiple Advantages into One Catalyst. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4488-4494	13.1	80
45	Supramolecular gel-assisted synthesis of double shelled Co@CoO@N-C/C nanoparticles with synergistic electrocatalytic activity for the oxygen reduction reaction. <i>Nanoscale</i> , <b>2016</b> , 8, 4681-7	7.7	67

44	Atomically Dispersed Molybdenum Catalysts for Efficient Ambient Nitrogen Fixation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2343-2347	3.6	63
43	Modulating Single-Atom Palladium Sites with Copper for Enhanced Ambient Ammonia Electrosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 345-350	16.4	57
42	Zinc-Blende CdS Nanocubes with Coordinated Facets for Photocatalytic Water Splitting. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1470-1477	13.1	56
41	Nitrogen and sulfur co-doping of partially exfoliated MWCNTs as 3-D structured electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5678-5684	13	56
40	Hollow-Structured Carbon-Supported Nickel Cobaltite Nanoparticles as an Efficient Bifunctional Electrocatalyst for the Oxygen Reduction and Evolution Reactions. <i>ChemCatChem</i> , <b>2016</b> , 8, 736-742	5.2	55
39	Trifunctional Single-Atomic Ru Sites Enable Efficient Overall Water Splitting and Oxygen Reduction in Acidic Media. <i>Small</i> , <b>2020</b> , 16, e2002888	11	55
38	Explore the Effects of Microstructural Defects on Voltage Fade of Li- and Mn-Rich Cathodes. <i>Nano Letters</i> , <b>2016</b> , 16, 5999-6007	11.5	55
37	Interrogation of bimetallic particle oxidation in three dimensions at the nanoscale. <i>Nature Communications</i> , <b>2016</b> , 7, 13335	17.4	46
36	Three-dimensional hollow-structured binary oxide particles as an advanced anode material for high-rate and long cycle life lithium-ion batteries. <i>Nano Energy</i> , <b>2016</b> , 20, 212-220	17.1	44
35	Structurally ordered Pt <sub>3</sub> N/C series nanoparticles as efficient anode catalysts for formic acid electrooxidation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22129-22135	13	40
34	Local Modulation of Single-Atomic Mn Sites for Enhanced Ambient Ammonia Electrosynthesis. <i>ACS Catalysis</i> , <b>2021</b> , 11, 509-516	13.1	37
33	Potential-Cycling Synthesis of Single Platinum Atoms for Efficient Hydrogen Evolution in Neutral Media. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13882-13886	3.6	33
32	A New Anion Receptor for Improving the Interface between Lithium- and Manganese-Rich Layered Oxide Cathode and the Electrolyte. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2141-2149	9.6	31
31	Integration of Plasmonic Effects and Schottky Junctions into Metal-Organic Framework Composites: Steering Charge Flow for Enhanced Visible-Light Photocatalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1115-1119	3.6	26
30	FeMo sub-nanoclusters/single atoms for neutral ammonia electrosynthesis. <i>Nano Energy</i> , <b>2020</b> , 77, 105078	17.1	25
29	A general approach for the direct fabrication of metal oxide-based electrocatalysts for efficient bifunctional oxygen electrodes. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 823-831	5.8	23
28	Creating compressive stress at the NiOOH/NiO interface for water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10747-10754	13	20
27	Resolving atomic-scale phase transformation and oxygen loss mechanism in ultrahigh-nickel layered cathodes for cobalt-free lithium-ion batteries. <i>Matter</i> , <b>2021</b> , 4, 2013-2026	12.7	20

26	Modulating Single-Atom Palladium Sites with Copper for Enhanced Ambient Ammonia Electrosynthesis. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 349-354	3.6	19
25	Rhombohedral Ordered Intermetallic Nanocatalyst Boosts the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , <b>2021</b> , 11, 184-192	13.1	19
24	Conversion of CO <sub>2</sub> on a highly active and stable Cu/FeOx/CeO <sub>2</sub> catalyst: tuning catalytic performance by oxide-oxide interactions. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 3735-3742	5.5	18
23	Optimizing electron density of nickel sulfide electrocatalysts through sulfur vacancy engineering for alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18207-18214	13	18
22	Polarization-Modulated Multidirectional Photothermal Actuators. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006367	17.4	15
21	A single-atom library for guided monometallic and concentration-complex multimetallic designs. <i>Nature Materials</i> , <b>2022</b> , 21, 681-688	27	15
20	TEM-Assisted Fabrication of Sub-10 nm Scanning Electrochemical Microscopy Tips. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15355-15359	7.8	11
19	A welding phenomenon of dissimilar nanoparticles in dispersion. <i>Nature Communications</i> , <b>2019</b> , 10, 219	17.4	11
18	Enhanced electrocatalytic activity and stability of Pd <sub>3</sub> V/C nanoparticles with a trace amount of Pt decoration for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20966-20972	13	10
17	Modification of the Coordination Environment of Active Sites on MoC for High-Efficiency CH <sub>4</sub> Production. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100044	21.8	8
16	Atomically Isolated Rh Sites within Highly Branched Rh Sb Nanostructures Enhance Bifunctional Hydrogen Electrocatalysis. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105049	24	8
15	Innenrücktitelbild: Atomically Dispersed Molybdenum Catalysts for Efficient Ambient Nitrogen Fixation (Angew. Chem. 8/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2547-2547	3.6	7
14	Ligand-Assisted Solid-State Transformation of Nanoparticles. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 3271-3277	9.6	6
13	Collective Plasmon Coupling in Gold Nanoparticle Clusters for Highly Efficient Photothermal Therapy.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
12	Multicolor Photonic Pigments for Rotation-Asymmetric Mechanochromic Devices. <i>Advanced Materials</i> , <b>2021</b> , e2107398	24	5
11	Highly Selective Oxygen Reduction to Hydrogen Peroxide on a Carbon-Supported Single-Atom Pd Electrocatalyst. <i>ACS Catalysis</i> , <b>2022</b> , 12, 4156-4164	13.1	4
10	Electrocatalysis: Well-Dispersed Nickel- and Zinc-Tailored Electronic Structure of a Transition Metal Oxide for Highly Active Alkaline Hydrogen Evolution Reaction (Adv. Mater. 16/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970113	24	2
9	Probing Activities of Individual Catalytic Nanoflakes by Tunneling Mode of Scanning Electrochemical Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 25525-25532	3.8	2

8	Rektitlebild: Integration of Plasmonic Effects and Schottky Junctions into Metal-Organic Framework Composites: Steering Charge Flow for Enhanced Visible-Light Photocatalysis (Angew. Chem. 4/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1132-1132	3.6	1
7	Increasing the Dimensionality of In-situ Electron Microscopy Data Sets by On-the-fly and Analytical Electron Tomography. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 724-725	0.5	1
6	Modulation of Single-Atom Metal Sites for Enhanced Ambient Ammonia Electrosynthesis. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 2794-2796	0.5	1
5	Rektitlebild: Potential-Cycling Synthesis of Single Platinum Atoms for Efficient Hydrogen Evolution in Neutral Media (Angew. Chem. 44/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14088-14088	3.6	
4	Detection of magnetic circular dichroism in amorphous materials utilizing a single-crystalline overlayer <b>2016</b> , 929-930		
3	Toward 5D Imaging in an In-Situ Environmental TEM. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 795-796	0.5	
2	Nitrogen-Doped Rhombohedral Ordered Intermetallic Nanocatalyst Boosts the Oxygen Reduction Reaction. <i>ECS Meeting Abstracts</i> , <b>2021</b> , MA2021-02, 1166-1166	0	
1	Multicolor Photonic Pigments for Rotation-Asymmetric Mechanochromic Devices (Adv. Mater. 4/2022). <i>Advanced Materials</i> , <b>2022</b> , 34, 2270031	24	