

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.

41 papers	5,051 citations	26 h-index	41 g-index
41 ext. papers	6,133 ext. citations	14.8 avg, IF	6.04 L-index

#	Paper	IF	Citations
41	A metal-organic framework-derived bifunctional oxygen electrocatalyst. <i>Nature Energy</i> , 2016 , 1,	62.3	1622
40	A Review of Phosphide-Based Materials for Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2015 , 5, 1500985	21.8	567
39	Direct transformation of bulk copper into copper single sites via emitting and trapping of atoms. <i>Nature Catalysis</i> , 2018 , 1, 781-786	36.5	492
38	Identification of active sites for acidic oxygen reduction on carbon catalysts with and without nitrogen doping. <i>Nature Catalysis</i> , 2019 , 2, 688-695	36.5	251
37	Carbon nanofiber aerogels for emergent cleanup of oil spillage and chemical leakage under harsh conditions. <i>Scientific Reports</i> , 2014 , 4, 4079	4.9	190
36	Nitrogen-doped cobalt phosphate@nanocarbon hybrids for efficient electrocatalytic oxygen reduction. <i>Energy and Environmental Science</i> , 2016 , 9, 2563-2570	35.4	183
35	Rational Design of Transition Metal-Based Materials for Highly Efficient Electrocatalysis. <i>Small Methods</i> , 2019 , 3, 1800211	12.8	166
34	Investigation of molybdenum carbide nano-rod as an efficient and durable electrocatalyst for hydrogen evolution in acidic and alkaline media. <i>Applied Catalysis B: Environmental</i> , 2014 , 154-155, 232-237	21.8	162
33	Scalable template synthesis of resorcinol-formaldehyde/graphene oxide composite aerogels with tunable densities and mechanical properties. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2397-4014	16.4	137
32	A Surfactant-Free and Scalable General Strategy for Synthesizing Ultrathin Two-Dimensional Metal-Organic Framework Nanosheets for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13565-13572	16.4	121
31	Defect-Induced Pt-Co-Se Coordinated Sites with Highly Asymmetrical Electronic Distribution for Boosting Oxygen-Involving Electrocatalysis. <i>Advanced Materials</i> , 2019 , 31, e1805581	24	118
30	Edge-Rich Fe-N Active Sites in Defective Carbon for Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2020 , 32, e2000966	24	113
29	Polymerization under Hypersaline Conditions: A Robust Route to Phenolic Polymer-Derived Carbon Aerogels. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14623-14627	16.4	106
28	Understanding the Activity of Co-N C in Atomic Metal Catalysts for Oxygen Reduction Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6122-6127	16.4	86
27	Plasma-Triggered Synergy of Exfoliation, Phase Transformation, and Surface Engineering in Cobalt Diselenide for Enhanced Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16421-16425	16.4	84
26	Sulfur-Modified Oxygen Vacancies in Iron-Cobalt Oxide Nanosheets: Enabling Extremely High Activity of the Oxygen Evolution Reaction to Achieve the Industrial Water Splitting Benchmark. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14664-14670	16.4	73
25	A novel polyurethane prepolymer as toughening agent: Preparation, characterization, and its influence on mechanical and flame retardant properties of phenolic foam. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2720-2728	2.9	57

24	Single-crystalline (FexNi1-x)2P nanosheets with dominant {011 $\bar{1}$ 0} facets: Efficient electrocatalysts for hydrogen evolution reaction at all pH values. <i>Nano Energy</i> , 2019 , 56, 813-822	17.1	51
23	Charge Polarization from Atomic Metals on Adjacent Graphitic Layers for Enhancing the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9404-9408	16.4	50
22	A Directional Synthesis for Topological Defect in Carbon. <i>Chem</i> , 2020 , 6, 2009-2023	16.2	49
21	Boosting Sodium-Ion Storage by Encapsulating NiS (CoS) Hollow Nanoparticles into Carbonaceous Fibers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40531-40539	9.5	48
20	A Surfactant-Free and Scalable General Strategy for Synthesizing Ultrathin Two-Dimensional Metal-Organic Framework Nanosheets for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2019 , 131, 13699-13706	3.6	37
19	Modulating Metal-Organic Frameworks as Advanced Oxygen Electrocatalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2003291	21.8	34
18	Understanding the Activity of Co-N4/Cx in Atomic Metal Catalysts for Oxygen Reduction Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 6178-6183	3.6	30
17	Grafting Cobalt Diselenide on Defective Graphene for Enhanced Oxygen Evolution Reaction. <i>IScience</i> , 2018 , 7, 145-153	6.1	29
16	Scalable Template Synthesis of Resorcinol/Formaldehyde/Graphene Oxide Composite Aerogels with Tunable Densities and Mechanical Properties. <i>Angewandte Chemie</i> , 2015 , 127, 2427-2431	3.6	26
15	Polymerization under Hypersaline Conditions: A Robust Route to Phenolic Polymer-Derived Carbon Aerogels. <i>Angewandte Chemie</i> , 2016 , 128, 14843-14847	3.6	26
14	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	21
13	A pre-constructed graphene/ammonium polyphosphate aerogel (GAPPA) for efficiently enhancing the mechanical and fire-safety performances of polymers. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4449-4457 ¹³	13.457	20
12	Clarifying the Origin of Oxygen Reduction Activity in Heteroatom-Modified Defective Carbon. <i>Cell Reports Physical Science</i> , 2020 , 1, 100083	6.1	18
11	Unique Necklace-Like Phenol Formaldehyde Resin Nanofibers: Scalable Templating Synthesis, Casting Films, and Their Superhydrophobic Property. <i>Advanced Functional Materials</i> , 2016 , 26, 5086-5092 ^{15.6}	15.6	15
10	One-step In-situ Synthesis of Vacancy-rich CoFe2O4@Defective Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 479-487	2.2	14
9	Superelastic, Anticorrosive, and Flame-Resistant Nitrogen-Containing Resorcinol Formaldehyde/Graphene Oxide Composite Aerogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10873-10879	8.3	11
8	Sulfur-Modified Oxygen Vacancies in Iron-Cobalt Oxide Nanosheets: Enabling Extremely High Activity of the Oxygen Evolution Reaction to Achieve the Industrial Water Splitting Benchmark. <i>Angewandte Chemie</i> , 2020 , 132, 14772-14778	3.6	10
7	Hierarchically Porous TiC MXene with Tunable Active Edges and Unsaturated Coordination Bonds for Superior Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2021 ,	16.7	10

6	Ultrathin amorphous iron-doped cobalt-molybdenum hydroxide nanosheets for advanced oxygen evolution reactions. <i>Nanoscale</i> , 2021 , 13, 3153-3160	7.7	10
5	Metal-graphene-synergized melamine aerogel with robust elasticity and flame-retardancy for thermal-insulated-packaging industry. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 140, 106195	8.4	6
4	Hierarchical porous structure construction for highly stable self-supporting lithium metal anode. <i>Nano Energy</i> , 2022 , 93, 106905	17.1	5
3	Chinese knot-like bimetallic NiCo ₂ S ₄ grew on 3D graphene foam as high-performance electrode for Na ⁺ storage. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 161988	5.7	3
2	Engineering pyridinic and pyrrolic N-enriched graphene quantum dots to strengthen metal-support interactions for highly efficient methanol oxidation. <i>Journal of Materials Science</i> , 2022 , 57, 3252-3267	4.3	0
1	The electrochemical reforming of glycerol at Pd nanocrystals modified ultrathin NiO nanoplates hybrids: An efficient system for glyceraldehyde and hydrogen coproduction. <i>Nano Research</i> , 1	10	0