

## 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.

72 papers	7,665 citations	30 h-index	77 g-index
77 ext. papers	8,895 ext. citations	9.6 avg, IF	5.95 L-index

#	Paper	IF	Citations
72	Defect-rich MoS <sub>2</sub> ultrathin nanosheets with additional active edge sites for enhanced electrocatalytic hydrogen evolution. <i>Advanced Materials</i> , <b>2013</b> , 25, 5807-13	24	2285
71	Vacancy associates promoting solar-driven photocatalytic activity of ultrathin bismuth oxychloride nanosheets. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10411-7	16.4	911
70	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7399-404	16.4	883
69	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7507-7512	3.6	303
68	Engineering sulfur vacancies and impurities in NiCo <sub>2</sub> S <sub>4</sub> nanostructures toward optimal supercapacitive performance. <i>Nano Energy</i> , <b>2016</b> , 26, 313-323	17.1	273
67	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2954-2962	35.4	246
66	First-Row Transition Metal Based Catalysts for the Oxygen Evolution Reaction under Alkaline Conditions: Basic Principles and Recent Advances. <i>Small</i> , <b>2017</b> , 13, 1701931	11	240
65	Morphology-Controlled Synthesis and Novel Microwave Absorption Properties of Hollow Urchinlike MnO <sub>2</sub> Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 1398-1402	3.8	236
64	Heterostructured Electrocatalysts for Hydrogen Evolution Reaction Under Alkaline Conditions. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 75	19.5	223
63	Biochar-supported nZVI (nZVI/BC) for contaminant removal from soil and water: A critical review. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 373, 820-834	12.8	164
62	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8768-71	16.4	150
61	Protrusions or Holes in graphene: which is the better choice for sodium ion storage?. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 979-986	35.4	140
60	Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502514	21.8	140
59	In situ electrochemical formation of core-shell nickel-iron disulfide and oxyhydroxide heterostructured catalysts for a stable oxygen evolution reaction and the associated mechanisms. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4335-4342	13	126
58	Manipulation of Disodium Rhodizonate: Factors for Fast-Charge and Fast-Discharge Sodium-Ion Batteries with Long-Term Cyclability. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1777-1786	15.6	117
57	Construction of Polarized Carbon-Nickel Catalytic Surfaces for Potent, Durable, and Economic Hydrogen Evolution Reactions. <i>ACS Nano</i> , <b>2018</b> , 12, 4148-4155	16.7	97
56	High-efficiency photocatalytic activity of type II SnO/Sn <sub>3</sub> O <sub>4</sub> heterostructures via interfacial charge transfer. <i>CrystEngComm</i> , <b>2014</b> , 16, 6841-6847	3.3	95

55	Improved Li Storage through Homogeneous N-Doping within Highly Branched Tubular Graphitic Foam. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603692	24	86
54	One-pot construction of three dimensional CoMoO <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> hybrid nanostructures and their application in supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21201-21210	13	83
53	Multifunctional Superelastic Foam-Like Boron Nitride Nanotubular Cellular-Network Architectures. <i>ACS Nano</i> , <b>2017</b> , 11, 558-568	16.7	76
52	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 9182-9187	24	59
51	Self-Supported BiMoO Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23647-23653	9.5	49
50	Reproducible X-ray Imaging with a Perovskite Nanocrystal Scintillator Embedded in a Transparent Amorphous Network Structure. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102529	24	47
49	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600468	21.8	46
48	Ammonium Vanadium Bronze as a Potassium-Ion Battery Cathode with High Rate Capability and Cyclability. <i>Small Methods</i> , <b>2019</b> , 3, 1800349	12.8	40
47	Facile synthesis of hierarchical fern leaf-like Sb and its application as an additive-free anode for fast reversible Na-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1749-1755	13	38
46	Iron doped cobalt sulfide derived boosted electrocatalyst for water oxidation. <i>Applied Surface Science</i> , <b>2018</b> , 448, 9-15	6.7	36
45	Topological Formation of a Mo-Ni-Based Hollow Structure as a Highly Efficient Electrocatalyst for the Hydrogen Evolution Reaction in Alkaline Solutions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21998-22004	9.5	34
44	Loss mechanism and microwave absorption properties of hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanomaterial. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 215305	3	32
43	Hierarchical Sb-Ni nanoarrays as robust binder-free anodes for high-performance sodium-ion half and full cells. <i>Nano Research</i> , <b>2017</b> , 10, 3189-3201	10	31
42	Growth process and microwave absorption properties of nanostructured MnO <sub>2</sub> urchins. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 1191-1194	4.4	30
41	Biomass facilitated phase transformation of natural hematite at high temperatures and sorption of Cd and Cu. <i>Environment International</i> , <b>2019</b> , 124, 473-481	12.9	27
40	Thickness dependent complex permittivity and microwave absorption of NiCo <sub>2</sub> O <sub>4</sub> nanoflakes. <i>Materials Letters</i> , <b>2015</b> , 159, 498-501	3.3	26
39	All-in-one surface engineering strategy on nickel phosphide arrays towards a robust electrocatalyst for hydrogen evolution reaction. <i>Journal of Power Sources</i> , <b>2019</b> , 429, 46-54	8.9	25
38	Ferromagnetic behavior of non-stoichiometric ZnS microspheres with a nanoplate-netted surface. <i>RSC Advances</i> , <b>2017</b> , 7, 20874-20881	3.7	22

37	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8892-8895	3.6	21
36	MoS <sub>2</sub> nanosheets grown on nickel chalcogenides: controllable synthesis and electrocatalytic origins for the hydrogen evolution reaction in alkaline solution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21514-21522	13	19
35	Pinewood outperformed bamboo as feedstock to prepare biochar-supported zero-valent iron for Cr reduction. <i>Environmental Research</i> , <b>2020</b> , 187, 109695	7.9	19
34	High-Stable X-ray Imaging from All-Inorganic Perovskite Nanocrystals under a High Dose Radiation. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9203-9209	6.4	18
33	Size- and morphology-dependent optical properties of ZnS:Al one-dimensional structures. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 188	2.3	16
32	The contribution of lignocellulosic constituents to Cr(VI) reduction capacity of biochar-supported zerovalent iron. <i>Chemosphere</i> , <b>2021</b> , 263, 127871	8.4	16
31	Electrospun SnO <sub>2</sub> submicron fibers for broadband microwave absorption. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 495303	3	15
30	Enhancing Capacitance of Nickel Cobalt Chalcogenide via Interface Structural Design. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 2082-2092	9.5	15
29	Electrophoretic fabrication of silver nanostructure/zinc oxide nanorod heterogeneous arrays with excellent SERS performance. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1724-1731	7.1	12
28	Constructing Well-Ordered CdTe/TiO <sub>2</sub> Core/Shell Nanowire Arrays for Solar Energy Conversion. <i>Small</i> , <b>2016</b> , 12, 5538-5542	11	9
27	Enhanced microwave absorption performance of hollow alpha-MnO <sub>2</sub> nanourchins. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 904-8	1.3	9
26	Analytical transmission electron microscopy for emerging advanced materials. <i>Matter</i> , <b>2021</b> , 4, 2309-2339	2.7	9
25	Microstructure, mechanical, and thermal behaviors of SnBi/Cu solder joint enhanced by porous Cu. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 8258-8267	2.1	8
24	Quantum dot-assembled mesoporous CuO nanospheres based on laser ablation in water. <i>RSC Advances</i> , <b>2015</b> , 5, 19479-19483	3.7	8
23	Interconnected SnO <sub>2</sub> Microsphere Films with Improved Ultraviolet Photodetector Properties. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 6669-6676	1.9	6
22	Hierarchically porous boron nitride foams for multifunctional bulk adsorbents. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 129896	14.7	6
21	Hetero-structured CoS <sub>2</sub> -MoS <sub>2</sub> hollow microspheres with robust catalytic activity for alkaline hydrogen evolution. <i>Applied Surface Science</i> , <b>2020</b> , 527, 146847	6.7	5
20	Modulating 3d Orbitals of Ni Atoms on Ni-Pt Edge Sites Enables Highly-Efficient Alkaline Hydrogen Evolution. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101789	21.8	5

19	Spontaneous structure transition in nanoparticle aggregates: from amorphous clusters to super-crystals. <i>CrystEngComm</i> , <b>2015</b> , 17, 4637-4641	3.3	4
18	Enhanced conductive loss in nickel–cobalt sulfide nanostructures for highly efficient microwave absorption and shielding. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 235303	3	4
17	Nanosheet-built tin-oxides hollow microsphere and their phase transition with an annealing treatment. <i>Materials Research Bulletin</i> , <b>2015</b> , 70, 697-703	5.1	3
16	Rationally designed C/CoS@SnS nanocomposite as a highly efficient anode for lithium-ion batteries. <i>Nanotechnology</i> , <b>2020</b> , 31, 395401	3.4	3
15	High Electrocatalytic Activity of Defected MX <sub>2</sub> /Graphene Heterostructures (M = Mo, W; X = S, Se) for Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 15292-15300	3.8	3
14	Designed borophene/TMDs hybrid catalysts for enhanced hydrogen evolution reactions. <i>Journal of Materials Chemistry C</i> ,	7.1	2
13	The significant role of electron donating capacity and carbon structure of biochar to electron transfer of zerovalent iron. <i>Chemosphere</i> , <b>2022</b> , 287, 132381	8.4	2
12	Effect of porous Cu addition on the microstructure and mechanical properties of SnBi-xAg solder joints. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
11	Improvement on the mechanical properties of eutectic Sn58Bi alloy with porous Cu addition during isothermal aging. <i>Materials Research Express</i> , <b>2021</b> , 8, 076302	1.7	2
10	Hierarchical SnO <sub>2</sub> hollow nanotubes as anodes for high performance lithium-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 22944-22952	2.1	2
9	Nanowire Arrays: Constructing Well-Ordered CdTe/TiO <sub>2</sub> Core/Shell Nanowire Arrays for Solar Energy Conversion (Small 40/2016). <i>Small</i> , <b>2016</b> , 12, 5648-5648	11	1
8	The synthesis of highly efficient NiFe hydroxide@CoS electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Science</i> ,	4.3	1
7	Structural Evolution of Boron Clusters on Ag(111) Surfaces - From Atomic Chains to Triangular Sheets with Hexagonal Holes. <i>ChemPhysChem</i> , <b>2021</b> , 22, 894-903	3.2	0
6	Pressure-assisted soldering of copper using porous metal-reinforced Sn58Bi solder. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18968-18977	2.1	0
5	Plasticity enhancement of nano-Ag sintered joint based on metal foam. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 7187-7197	2.1	0
4	Ligands Dependent Electrocatalytic Nitrogen Reduction Performance in d- $\pi$ -conjugated Molecules. <i>Applied Surface Science</i> , <b>2022</b> , 153338	6.7	0
3	Ni-Mo Based Metal/Oxide Heterostructured Nanosheets with Largely Exposed Interfacial Atoms for Overall Water-splitting. <i>Applied Surface Science</i> , <b>2022</b> , 153597	6.7	0
2	Effect of isothermal ageing on the microstructure, shear behaviour and hardness of the Sn58Bi/SnAgCuBiNi/Cu solder joints. <i>Welding International</i> , 1-9	0.1	

- 1 Effects of Sn-Ag-x layers on the solderability and mechanical properties of Sn-58Bi solder. *Welding International*,1-8 0.1