

# Wei Zhou

## List of Publications by Year in descending order

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36  
papers

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citations

257450

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345221

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36  
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Interfaces Decrease the Alkaline Hydrogen-Evolution Kinetics Energy Barrier on NiCoP/Ti <sub>3</sub> C <sub>2</sub> MXene. ACS Nano, 2022, 16, 11049-11058.	14.6	32
2	Optimized Co-S bonds energy and confinement effect of hollow MXene@CoS <sub>2</sub> /NC for enhanced sodium storage kinetics and stability. Chemical Engineering Journal, 2022, 450, 137922.	12.7	24
3	Rational hetero-interface design of Fe <sub>3</sub> N@Ni <sub>2</sub> Co-LDHs as high efficient electrocatalyst for oxygen evolution reaction. Journal of Alloys and Compounds, 2021, 853, 157353.	5.5	25
4	Controllable construction of core-shell CuCo <sub>2</sub> S <sub>4</sub> @polypyrrole nanocomposites as advanced anode materials for high-performance sodium ion half/full batteries. Materials Chemistry Frontiers, 2021, 5, 293-303.	5.9	9
5	Regulating Oriented Adsorption on Targeted Nickel Sites for Antibiotic Oxidation with Simultaneous Hydrogen Energy Recovery by a Direct Electrochemical Process. ACS Applied Materials & Interfaces, 2021, 13, 18673-18682.	8.0	11
6	Decorated Porous Ti <sub>3</sub> C <sub>2</sub> MXene Combined with In Situ Forming Cu <sub>2</sub> Se as Effective Shuttling Interrupter in Na-Se Batteries. Advanced Materials, 2021, 33, e2008414.	21.0	61
7	Interfacial optimization of PtNi octahedrons@Ti <sub>3</sub> C <sub>2</sub> MXene with enhanced alkaline hydrogen evolution activity and stability. Applied Catalysis B: Environmental, 2021, 291, 120100.	20.2	67
8	Structure-Designed Preparation of Pod-Like CuCo <sub>2</sub> S <sub>4</sub> /rGO as Advanced Anode Material Targeting Superior Sodium Storage. ChemElectroChem, 2021, 8, 3666.	3.4	3
9	Interface design based on Ti <sub>3</sub> C <sub>2</sub> MXene atomic layers of advanced battery-type material for supercapacitors. Energy Storage Materials, 2020, 26, 472-482.	18.0	117
10	Double-layered yolk-shell microspheres with NiCo <sub>2</sub> S <sub>4</sub> -Ni <sub>9</sub> S <sub>8</sub> -C hetero-interfaces as advanced battery-type electrode for hybrid supercapacitors. Chemical Engineering Journal, 2020, 396, 125316.	12.7	80
11	In-situ preparation of multi-layered sandwich-like CuCo <sub>2</sub> S <sub>4</sub> /rGO architectures as anode material for high-performance lithium and sodium ion batteries. Journal of Alloys and Compounds, 2020, 845, 156183.	5.5	20
12	Thick NiCo LDH@NiSe Single-Crystal Nanorods Grown on Ni Foam as Integrated Electrode with Enhanced Areal Capacity for Supercapacitors. Batteries and Supercaps, 2020, 3, 534-540.	4.7	33
13	Inner-Stress-Optimized High-Density Fe <sub>3</sub> O <sub>4</sub> Dots Embedded in Graphitic Carbon Layers with Enhanced Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 15043-15052.	8.0	20
14	Construction of Porous Co <sub>9</sub> S <sub>8</sub> Hollow Boxes with Double Open Ends toward High-Performance Half/Full Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 6305-6314.	6.7	46
15	High-Performance Phosphorus-Graphite Dual-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 45755-45762.	8.0	37
16	Hexagonal phase NiS octahedrons co-modified by 0D-, 1D-, and 2D carbon materials for high-performance supercapacitor. Electrochimica Acta, 2019, 311, 83-91.	5.2	46
17	Hierarchical MoS <sub>2</sub> Hollow Architectures with Abundant Mo Vacancies for Efficient Sodium Storage. ACS Nano, 2019, 13, 5533-5540.	14.6	187
18	Sandwich-type nanoporous CoO/N-doped carbon multi-layers with ultrahigh lithium storage and long-life stability. Journal of Materials Chemistry A, 2019, 7, 10610-10618.	10.3	22

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19	Hierarchical Co <sub>9</sub> S <sub>8</sub> @Carbon Hollow Microspheres as an Anode for Sodium Ion Batteries with Ultralong Cycling Stability. ACS Sustainable Chemistry and Engineering, 2019, 7, 6122-6130.	6.7	92
20	A densely packed Sb <sub>2</sub> O <sub>3</sub> nanosheetâ€“graphene aerogel toward advanced sodium-ion batteries. Nanoscale, 2018, 10, 9108-9114.	5.6	46
21	Iron triad nanomaterials and their sustainable application in the environment. Environmental Science: Nano, 2018, 5, 246-256.	4.3	13
22	Facile Synthesis of Co <sub>9</sub> S <sub>8</sub> Hollow Spheres as a High-Performance Electrocatalyst for the Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 1863-1871.	6.7	82
23	Homologous Co <sub>3</sub> O <sub>4</sub> â€“CoP nanowires grown on carbon cloth as a high-performance electrode pair for triclosan degradation and hydrogen evolution. Materials Chemistry Frontiers, 2018, 2, 323-330.	5.9	37
24	Interfacial Electron Transfer of Ni <sub>2</sub> Pâ€“NiP <sub>2</sub> Polymorphs Inducing Enhanced Electrochemical Properties. Advanced Materials, 2018, 30, e1803590.	21.0	298
25	RGO-wrapped Ni-P hollow octahedrons as noble-metal-free catalysts to boost the hydrolysis of ammonia borane toward hydrogen generation. Journal of Alloys and Compounds, 2018, 763, 538-545.	5.5	24
26	Synergistic effect of Ni and Fe in Fe-doped NiS <sub>2</sub> counter electrode for dye-sensitized solar cells: Experimental and DFT studies. Electrochimica Acta, 2018, 284, 24-29.	5.2	23
27	Nanostructure-induced colored TiO <sub>2</sub> array photoelectrodes with full solar spectrum harvesting. Journal of Materials Chemistry A, 2017, 5, 3145-3151.	10.3	19
28	Homologous NiO//Ni <sub>2</sub> P nanoarrays grown on nickel foams: a well matched electrode pair with high stability in overall water splitting. Nanoscale, 2017, 9, 4409-4418.	5.6	127
29	Effects of morphology and concentration of CuS nanoparticles on alignment and electro-optic properties of nematic liquid crystal. Nano Research, 2017, 10, 618-625.	10.4	37
30	Calcium-doped lanthanum nickelate layered perovskite and nickel oxide nano-hybrid for highly efficient water oxidation. Nano Energy, 2015, 12, 115-122.	16.0	144
31	One-pot hydrothermal synthesis of rGO-Fe <sub>3</sub> O <sub>4</sub> hybrid nanocomposite for removal of Pb(II) via magnetic separation. Chemical Research in Chinese Universities, 2015, 31, 508-513.	2.6	33
32	Facet-dependent NiS <sub>2</sub> polyhedrons on counter electrodes for dye-sensitized solar cells. Chemical Communications, 2015, 51, 12863-12866.	4.1	90
33	Highly stable rGO-wrapped Ni <sub>3</sub> S <sub>2</sub> nanobowls: Structure fabrication and superior long-life electrochemical performance in LIBs. Nano Energy, 2015, 11, 428-435.	16.0	119
34	Synthesis of Li-doped Co <sub>3</sub> O <sub>4</sub> truncated octahedra with improved performances in CO oxidation and lithium ion batteries. Science China Technological Sciences, 2013, 56, 8-12.	4.0	6
35	Hierarchical Mesoporous Hematite with â€œElectron-Transport Channelsâ€“and Its Improved Performances in Photocatalysis and Lithium Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 7126-7133.	3.1	110
36	Selective Synthesis of Peapodlike Ni/Ni <sub>3</sub> S <sub>2</sub> Nanochains and Nickel Sulfide Hollow Chains and Their Magnetic Properties. Advanced Functional Materials, 2010, 20, 3678-3683.	14.9	91