Wei Zhou

List of Publications by Year
in descending order

36 papers	2,231 citations	257450 24 h-index	345221 36 g-index
36 all docs	36 docs citations	36 times ranked	3457 citing authors

#	Article	IF	Citations
1	Interfacial Electron Transfer of Ni₂Pâ€“NiP₂ Polymorphs Inducing Enhanced Electrochemical Properties. Advanced Materials, 2018, 30, e1803590.	21.0	298
2	Hierarchical MoS₂ Hollow Architectures with Abundant Mo Vacancies for Efficient Sodium Storage. ACS Nano, 2019, 13, 5533-5540.	14.6	187
3	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
4	Homologous NiO//Ni₂P 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
5	Highly stable rGO-wrapped Ni3S2 nanobowls: Structure fabrication and superior long-life electrochemical performance in LIBs. Nano Energy, 2015, 11, 428-435.	16.0	119
6	Interface design based on Ti3C2 MXene atomic layers of advanced battery-type material for supercapacitors. Energy Storage Materials, 2020, 26, 472-482.	18.0	117
7	Hierarchial 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
8	Hierarchical Co₉S₈@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
9	Selective Synthesis of Peapodlike Ni/Ni₃S₂ Nanochains and Nickel Sulfide Hollow Chains and Their Magnetic Properties. Advanced Functional Materials, 2010, 20, 3678-3683.	14.9	91
10	Facet-dependent NiS₂ polyhedrons on counter electrodes for dye-sensitized solar cells. Chemical Communications, 2015, 51, 12863-12866.	4.1	90
11	Facile Synthesis of Co₉S₈ Hollow Spheres as a High-Performance Electrocatalyst for the Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 1863-1871.	6.7	82
12	Double-layered yolk-shell microspheres with NiCo2S4-Ni9S8-C hetero-interfaces as advanced battery-type electrode for hybrid supercapacitors. Chemical Engineering Journal, 2020, 396, 125316.	12.7	80
13	Interfacial optimization of PtNi octahedrons@Ti3C2MXene with enhanced alkaline hydrogen evolution activity and stability. Applied Catalysis B: Environmental, 2021, 291, 120100.	20.2	67
14	Sâ€Ðecorated Porous Ti₃C₂ MXene Combined with In Situ Forming Cu₂Se as Effective Shuttling Interrupter in Naâ€“Se Batteries. Advanced Materials, 2021, 33, e2008414.	21.0	61
15	A densely packed Sb2O3nanosheetâ€“graphene aerogel toward advanced sodium-ion batteries. Nanoscale, 2018, 10, 9108-9114.	5.6	46
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	Construction of Porous Co₉S₈ 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
18	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

#	Article	IF	Citations
19	Homologous Co₃O₄â€“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
20	High-Performance Phosphorusâ€“Graphite Dual-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 45755-45762.	8.0	37
21	One-pot hydrothermal synthesis of rGO-Fe3O4 hybrid nanocomposite for removal of Pb(II) via magnetic separation. Chemical Research in Chinese Universities, 2015, 31, 508-513.	2.6	33
22	2â€nmâ€Thick NiCo LDH@NiSe Singleâ€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
23	Interfaces Decrease the Alkaline Hydrogen-Evolution Kinetics Energy Barrier on NiCoP/Ti₃C₂T_x MXene. ACS Nano, 2022, 16, 11049-11058.	14.6	32
24	Rational hetero-interface design of Fe3N@Ni2Co-LDHs as high efficient electrocatalyst for oxygen evolution reaction. Journal of Alloys and Compounds, 2021, 853, 157353.	5.5	25
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	Optimized Coâ€“S bonds energy and confinement effect of hollow MXene@CoS2/NC for enhanced sodium storage kinetics and stability. Chemical Engineering Journal, 2022, 450, 137922.	12.7	24
27	Synergistic effect of Ni and Fe in Fe-doped NiS2 counter electrode for dye-sensitized solar cells: Experimental and DFT studies. Electrochimica Acta, 2018, 284, 24-29.	5.2	23
28	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
29	In-situ preparation of multi-layered sandwich-like CuCo2S4/rGO architectures as anode material for high-performance lithium and sodium ion batteries. Journal of Alloys and Compounds, 2020, 845, 156183.	5.5	20
30	Inner-Stress-Optimized High-Density Fe₃O₄ Dots Embedded in Graphitic Carbon Layers with Enhanced Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 15043-15052.	8.0	20
31	Nanostructure-induced colored TiO₂ array photoelectrodes with full solar spectrum harvesting. Journal of Materials Chemistry A, 2017, 5, 3145-3151.	10.3	19
32	Iron triad nanomaterials and their sustainable application in the environment. Environmental Science: Nano, 2018, 5, 246-256.	4.3	13
33	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
34	Controllable construction of coreâ€“shell CuCo2S4@polypyrrole nanocomposites as advanced anode materials for high-performance sodium ion half/full batteries. Materials Chemistry Frontiers, 2021, 5, 293-303.	5.9	9
35	Synthesis of Li-doped Co3O4 truncated octahedra with improved performances in CO oxidation and lithium ion batteries. Science China Technological Sciences, 2013, 56, 8-12.	4.0	6
36	Structureâ€Designed Preparation of Podâ€Like CuCo 2 S 4 /rGO as Advanced Anode Material Targeting Superior Sodium Storage. ChemElectroChem, 2021, 8, 3666.	3.4	3