Wen Zhao

List of Publications by Year
in descending order

36 papers	3,134 citations	331670 21 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	5198 citing authors

#	Article	IF	Citations
1	In Situ Atomistic Insight into Magnetic Metal Diffusion across Bi_{0.5}Sb_{1.5}Te₃ Quintuple Layers. Advanced Materials Interfaces, 2022, 9, .	3.7	0
2	Highly Potassiophilic Graphdiyne Skeletons Decorated with Cu Quantum Dots Enable Dendriteâ€Free Potassiumâ€Metal Anodes. Advanced Materials, 2022, 34, e2202685.	21.0	26
3	Tailored design of well-defined hierarchical nitrogen-doped carbon via salt-confined strategy for selective Cd(â…¡) adsorption. Chemical Engineering Journal, 2022, 446, 137222.	12.7	2
4	Harnessing Optimized Surface Reconstruction of Single-Atom Ni-Doped Ni-NiO/NC Precatalysts toward Robust H₂O₂ Production. ACS Applied Materials & Interfaces, 2022, 14, 26803-26813.	8.0	5
5	Proportional modulation of zinc-based MOF/carbon nanotube hybrids for simultaneous removal of phosphate and emerging organic contaminants with high efficiency. Chemical Engineering Journal, 2021, 417, 128063.	12.7	22
6	Density functional theory study of thiophene desulfurization and conversion of desulfurization products on the Ni(111) surface and Ni₅₅ cluster: implication for the mechanism of reactive adsorption desulfurization over Ni/ZnO catalysts. Catalysis Science and Technology, 2021, 11, 1615-1625.	4.1	12
7	Synchronous Promotion in Sodiophilicity and Conductivity of Flexible Host via Vertical Graphene Cultivator for Longevous Sodium Metal Batteries. Advanced Functional Materials, 2021, 31, 2101233.	14.9	32
8	Modification of the Interlayer Coupling and Chemical Reactivity of Multilayer Graphene through Wrinkle Engineering. Chemistry of Materials, 2021, 33, 2506-2515.	6.7	10
9	Solar-driven self-powered alkaline seawater electrolysis via multifunctional earth-abundant heterostructures. Chemical Engineering Journal, 2021, 411, 128538.	12.7	37
10	Harmonized edge/graphiticâ€nitrogen doped carbon nanopolyhedron@nanosheet composite via saltâ€confined strategy for advanced <scp>K</scp>â€ion hybrid capacitors. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 891-903.	17.3	18
11	Reconstructed edges of T phase transition metal dichalcogenides. Materials Today Physics, 2021, 19, 100411.	6.0	12
12	Back Cover Image. InformaÄnÃ-MateriÃ¡ly, 2021, 3, .	17.3	0
13	Phosphate removal by ZIF-8@MWCNT hybrids in presence of effluent organic matter: Adsorbent structure, wastewater quality, and DFT analysis. Science of the Total Environment, 2020, 745, 141054.	8.0	23
14	Defective VSe₂â€“Graphene Heterostructures Enabling <i>In Situ</i> Electrocatalyst Evolution for Lithiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 11929-11938.	14.6	142
15	Temperatureâ€Mediated Engineering of Graphdiyne Framework Enabling Highâ€Performance Potassium Storage. Advanced Functional Materials, 2020, 30, 2003039.	14.9	62
16	Mechanisms of Liquid-Phase Exfoliation for the Production of Graphene. ACS Nano, 2020, 14, 10976-10985.	14.6	157
17	ZIFâ€8@ZIFâ€67â€Derived Nitrogenâ€Doped Porous Carbon Confined CoP Polyhedron Targeting Superior Potassiumâ€Ion Storage. Small, 2020, 16, e1906566.	10.0	136
18	Designing ZIF-8/hydroxylated MWCNT nanocomposites for phosphate adsorption from water: Capability and mechanism. Chemical Engineering Journal, 2020, 394, 124992.	12.7	85

#	Article	IF	Citations
19	Stable AA-Stacked Pt Nanoclusters Supported on Graphene/Ru(0001) and the Selective Catalysis: A Theoretical Study. ACS Applied Nano Materials, 2019, 2, 2921-2925.	5.0	7
20	Double-Spiral Hexagonal Boron Nitride and Shear Strained Coalescence Boundary. Nano Letters, 2019, 19, 4229-4236.	9.1	15
21	Morphology Evolution of Graphene during Chemical Vapor Deposition Growth: A Phase-Field Theory Simulation. Journal of Physical Chemistry C, 2019, 123, 9902-9908.	3.1	15
22	Small transition-metal dichalcogenide nanostructures down to subnanometer by two-dimensional material origami. Physical Review Materials, 2019, 3, .	2.4	0
23	Vapourâ€“liquidâ€“solid growth of monolayer MoS2 nanoribbons. Nature Materials, 2018, 17, 535-542.	27.5	286
24	Vanadium Dioxide-Graphene Composite with Ultrafast Anchoring Behavior of Polysulfides for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 15733-15741.	8.0	92
25	In Situ Assembly of 2D Conductive Vanadium Disulfide with Graphene as a Highâ€Sulfurâ€Loading Host for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800201.	19.5	188
26	In situ atomic-scale observation of monolayer graphene growth from SiC. Nano Research, 2018, 11, 2809-2820.	10.4	21
27	In-situ PECVD-enabled graphene-V2O3 hybrid host for lithiumâ€“sulfur batteries. Nano Energy, 2018, 53, 432-439.	16.0	105
28	In situ edge engineering in two-dimensional transition metal dichalcogenides. Nature Communications, 2018, 9, 2051.	12.8	100
29	Synchronous immobilization and conversion of polysulfides on a VO₂â€“VN binary host targeting high sulfur load Liâ€“S batteries. Energy and Environmental Science, 2018, 11, 2620-2630.	30.8	465
30	Energetics and kinetics of phase transition between a 2H and a 1T MoS₂monolayerâ€"a theoretical study. Nanoscale, 2017, 9, 2301-2309.	5.6	59
31	Liquidâ€Phase Electrochemical Scanning Electron Microscopy for In Situ Investigation of Lithium Dendrite Growth and Dissolution. Advanced Materials, 2017, 29, 1606187.	21.0	128
32	Lithium Dendrites: Liquid-Phase Electrochemical Scanning Electron Microscopy for In Situ Investigation of Lithium Dendrite Growth and Dissolution (Adv. Mater. 13/2017). Advanced Materials, 2017, 29, .	21.0	1
33	A few-layered Ti₃C₂nanosheet/glass fiber composite separator as a lithium polysulphide reservoir for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 5993-5998.	10.3	130
34	Ultra-stable small diameter hybrid transition metal dichalcogenide nanotubes Xâ€“Mâ€“Y (X, Y = S, Se, Te;) Tj ETQq0 0 0 rgBT /Overlock	5.6	40
35	Sulfur immobilization and lithium storage on defective graphene: A first-principles study. Applied Physics Letters, 2014, 104, 043901.	3.3	18
36	High-Rate, Ultralong Cycle-Life Lithium/Sulfur Batteries Enabled by Nitrogen-Doped Graphene. Nano Letters, 2014, 14, 4821-4827.	9.1	683