Yang Zheng

List of Publications by Citations

39 papers	3,202 citations	24 h-index	40 g-index
40 ext. papers	3,771 ext. citations	11.6 avg, IF	5.56 L-index

#	Paper	IF	Citations
39	Boosted Charge Transfer in SnS/SnO2 Heterostructures: Toward High Rate Capability for Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 3408-13	16.4	505
38	Recent progress on sodium ion batteries: potential high-performance anodes. *Energy and Environmental Science*, **2018**, 11, 2310-2340	35.4	425
37	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. *Advanced Functional Materials*, **2017**, 27, 1702634	15.6	311
36	Atomic Interface Engineering and Electric-Field Effect in Ultrathin Bi MoO Nanosheets for Superior Lithium Ion Storage. *Advanced Materials*, **2017**, 29, 1700396	24	251
35	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vapor-Redistribution for High-Energy Sodium-Ion Batteries. *Advanced Energy Materials*, **2016**, 6, 1601037	21.8	182
34	Two-dimensional nanostructures for sodium-ion battery anodes. *Journal of Materials Chemistry A*, **2018**, 6, 3284-3303	13	169
33	Surface Engineering and Design Strategy for Surface-Amorphized TiO@Graphene Hybrids for High Power Li-Ion Battery Electrodes. *Advanced Science*, **2015**, 2, 1500027	13.6	159
32	Local Electric Field Facilitates High-Performance Li-Ion Batteries. *ACS Nano*, **2017**, 11, 8519-8526	16.7	112
31	Heterostructure Manipulation via in Situ Localized Phase Transformation for High-Rate and Highly Durable Lithium Ion Storage. *ACS Nano*, **2018**, 12, 10430-10438	16.7	100
30	Potassium ferrous ferricyanide nanoparticles as a high capacity and ultralong life cathode material for nonaqueous potassium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 22465-22471	13	97
29	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. *ACS Nano*, **2019**, 13, 7939-7948	16.7	97
28	Boosted Charge Transfer in SnS/SnO2 Heterostructures: Toward High Rate Capability for Sodium-Ion Batteries. *Angewandte Chemie*, **2016**, 128, 3469-3474	3.6	90
27	Structural Engineering of Hierarchical Micro-nanostructured Ge□ Framework by Controlling the Nucleation for Ultralong-Life Li Storage. *Advanced Energy Materials*, **2019**, 9, 1900081	21.8	77
26	Transformation of TiOF2 cube to a hollow nanobox assembly from anatase TiO2 nanosheets with exposed {001} facets via solvothermal strategy. *ACS Applied Materials & Interfaces*, **2013**, 5, 8663-9	9.5	71
25	W3Nb14O44 nanowires: Ultrastable lithium storage anode materials for advanced rechargeable batteries. *Energy Storage Materials*, **2019**, 16, 535-544	19.4	65
24	In situ formation of N-doped carbon-coated porous MoP nanowires: a highly efficient electrocatalyst for hydrogen evolution reaction in a wide pH range. *Applied Catalysis B: Environmental*, **2020**, 263, 118358	21.8	59
23	Three-Dimensional Porous Cobalt Phosphide Nanocubes Encapsulated in a Graphene Aerogel as an Advanced Anode with High Coulombic Efficiency for High-Energy Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 5373-5379	9.5	49

22	Microwave-assisted rapid synthesis of anatase TiO2 nanocrystals with exposed {001} facets. *Journal of Molecular Catalysis A*, **2012**, 356, 137-143		41
21	Hydrogen peroxide assisted rapid synthesis of TiO2 hollow microspheres with enhanced photocatalytic activity. *Applied Catalysis B: Environmental*, **2014**, 147, 789-795	21.8	40
20	Rapid synthesis of a TiO2 hollow microsphere assembly from hollow nanoparticles with enhanced photocatalytic activity. *RSC Advances*, **2013**, 3, 15273	3.7	31
19	Recent advances of two-dimensional transition metal nitrides for energy storage and conversion applications. *FlatChem*, **2020**, 19, 100149	5.1	31
18	Rational Design of Core-Shell ZnTe@N-Doped Carbon Nanowires for High Gravimetric and Volumetric Alkali Metal Ion Storage. *Advanced Functional Materials*, **2021**, 31, 2006425	15.6	29
17	General synthesis of NiCo alloy nanochain arrays with thin oxide coating: a highly efficient bifunctional electrocatalyst for overall water splitting. *Journal of Alloys and Compounds*, **2019**, 797, 1216-1223	5.7	27
16	Hierarchical Structural Evolution of ZnGeO in Binary Solvent and Its Effect on Li-ion Storage Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 9778-9784	9.5	24
15	TiO2-Modified Flower-Like Bi2WO6 Nanostructures with Enhanced UV-Vis Photocatalytic Activity. *Chemical Engineering and Technology*, **2011**, 34, 1630-1634	2	24
14	Hierarchical 0D-2D Co/Mo Selenides as Superior Bifunctional Electrocatalysts for Overall Water Splitting. *Frontiers in Chemistry*, **2020**, 8, 382	5	17
13	Thiourea-Modified TiO2 Nanorods with Enhanced Photocatalytic Activity. *Molecules*, **2016**, 21, 181	4.8	17
12	Facile synthesis of nickel-foam-based nano-architectural composites as binder-free anodes for high capacity Li-ion batteries. *Journal of Power Sources*, **2016**, 304, 311-318	8.9	15
11	Engineering Amorphous Carbon onto Ultrathin g-C3N4 to Suppress Intersystem Crossing for Efficient Photocatalytic H2 Evolution. *Advanced Materials Interfaces*, **2018**, 5, 1800859	4.6	14
10	Structural engineering of hierarchically hetestructured Mo2C/Co conformally embedded in carbon for efficient water splitting. *International Journal of Hydrogen Energy*, **2020**, 45, 22629-22637	6.7	12
9	In situ construction of □MoC/VN heterostructured electrocatalysts with strong electron coupling for highly efficient hydrogen evolution reaction. *Chemical Engineering Journal*, **2021**, 416, 129130	14.7	11
8	Electronic Modulation between Tungsten Nitride and Cobalt Dopants for Enhanced Hydrogen Evolution Reaction at a Wide Range of pH. *ChemCatChem*, **2020**, 12, 2962-2966	5.2	10
7	Hierarchical Porous NiO/□NiMoO Heterostructure as Superior Anode Material for Lithium Storage. *ChemPlusChem*, **2018**, 83, 915-923	2.8	9
6	Constructing Layered Nanostructures from Non-Layered Sulfide Crystals via Surface Charge Manipulation Strategy. *Advanced Functional Materials*, **2021**, 31, 2101676	15.6	9
5	A topochemically constructed flexible heterogeneous vanadium-based electrocatalyst for boosted conversion kinetics of polysulfides in Li□ batteries. *Materials Chemistry Frontiers*, **2021**, 5, 3830-3840	7.8	8

4	Heterocarbides Reinforced Electrochemical Energy Storage. *Small*, **2019**, 15, e1903652	11	5
3	N-doped TiO nanotube arrays with uniformly embedded Co P nanoparticles for high-efficiency hydrogen evolution reaction.. *RSC Advances*, **2019**, 9, 11676-11682	3.7	4
2	Recent Advances of Freestanding Cathodes for Li-S Batteries. *Chemistry - an Asian Journal*, **2021**, 16, 1172-1183	4.5	1
1	Rice husks-derived hierarchical porous SiO2@C as efficient polysulfide mediator for Li-S batteries. *Materials Letters*, **2021**, 296, 129926	3.3	1