

# Yang Zheng

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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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.

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	Recent Advances of Freestanding Cathodes for Li-S Batteries. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 1172-1183	4.5	1
38	Constructing Layered Nanostructures from Non-Layered Sulfide Crystals via Surface Charge Manipulation Strategy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101676	15.6	9
37	Rational Design of Core-Shell ZnTe@N-Doped Carbon Nanowires for High Gravimetric and Volumetric Alkali Metal Ion Storage. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006425	15.6	29
36	A topochemically constructed flexible heterogeneous vanadium-based electrocatalyst for boosted conversion kinetics of polysulfides in LiS batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3830-3840	7.8	8
35	In situ construction of MoC/VN heterostructured electrocatalysts with strong electron coupling for highly efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 416, 129130	14.7	11
34	Rice husks-derived hierarchical porous SiO <sub>2</sub> @C as efficient polysulfide mediator for Li-S batteries. <i>Materials Letters</i> , <b>2021</b> , 296, 129926	3.3	1
33	Hierarchical 0D-2D Co/Mo Selenides as Superior Bifunctional Electrocatalysts for Overall Water Splitting. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 382	5	17
32	Structural engineering of hierarchically heterostructured Mo <sub>2</sub> C/Co conformally embedded in carbon for efficient water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 22629-22637	6.7	12
31	In situ formation of N-doped carbon-coated porous MoP nanowires: a highly efficient electrocatalyst for hydrogen evolution reaction in a wide pH range. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 263, 118358	21.8	59
30	Recent advances of two-dimensional transition metal nitrides for energy storage and conversion applications. <i>FlatChem</i> , <b>2020</b> , 19, 100149	5.1	31
29	Electronic Modulation between Tungsten Nitride and Cobalt Dopants for Enhanced Hydrogen Evolution Reaction at a Wide Range of pH. <i>ChemCatChem</i> , <b>2020</b> , 12, 2962-2966	5.2	10
28	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. <i>ACS Nano</i> , <b>2019</b> , 13, 7939-7948	16.7	97
27	General synthesis of NiCo alloy nanochain arrays with thin oxide coating: a highly efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 121621-121623	5.7	27
26	N-doped TiO nanotube arrays with uniformly embedded Co P nanoparticles for high-efficiency hydrogen evolution reaction.. <i>RSC Advances</i> , <b>2019</b> , 9, 11676-11682	3.7	4
25	Structural Engineering of Hierarchical Micro-nanostructured GeO <sub>2</sub> Framework by Controlling the Nucleation for Ultralong-Life Li Storage. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900081	21.8	77
24	Heterocarbides Reinforced Electrochemical Energy Storage. <i>Small</i> , <b>2019</b> , 15, e1903652	11	5
23	W <sub>3</sub> Nb <sub>14</sub> O <sub>44</sub> nanowires: Ultrastable lithium storage anode materials for advanced rechargeable batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 535-544	19.4	65

22	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5373-5379	9.5	49
21	Two-dimensional nanostructures for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3284-3303	13	169
20	Hierarchical Porous NiO/ENiMoO Heterostructure as Superior Anode Material for Lithium Storage. <i>ChemPlusChem</i> , <b>2018</b> , 83, 915-923	2.8	9
19	Recent progress on sodium ion batteries: potential high-performance anodes. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2310-2340	35.4	425
18	Engineering Amorphous Carbon onto Ultrathin g-C3N4 to Suppress Intersystem Crossing for Efficient Photocatalytic H2 Evolution. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800859	4.6	14
17	Heterostructure Manipulation via in Situ Localized Phase Transformation for High-Rate and Highly Durable Lithium Ion Storage. <i>ACS Nano</i> , <b>2018</b> , 12, 10430-10438	16.7	100
16	Hierarchical Structural Evolution of ZnGeO in Binary Solvent and Its Effect on Li-ion Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9778-9784	9.5	24
15	Atomic Interface Engineering and Electric-Field Effect in Ultrathin Bi MoO Nanosheets for Superior Lithium Ion Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700396	24	251
14	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702634	15.6	311
13	Potassium ferrous ferricyanide nanoparticles as a high capacity and ultralong life cathode material for nonaqueous potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22465-22471	13	97
12	Local Electric Field Facilitates High-Performance Li-Ion Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 8519-8526	16.7	112
11	Facile synthesis of nickel-foam-based nano-architectural composites as binder-free anodes for high capacity Li-ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 304, 311-318	8.9	15
10	Thiourea-Modified TiO2 Nanorods with Enhanced Photocatalytic Activity. <i>Molecules</i> , <b>2016</b> , 21, 181	4.8	17
9	Boosted Charge Transfer in SnS/SnO2 Heterostructures: Toward High Rate Capability for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3469-3474	3.6	90
8	Boosted Charge Transfer in SnS/SnO2 Heterostructures: Toward High Rate Capability for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3408-13	16.4	505
7	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vapor-Redistribution for High-Energy Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601037	21.8	182
6	Surface Engineering and Design Strategy for Surface-Amorphized TiO@Graphene Hybrids for High Power Li-Ion Battery Electrodes. <i>Advanced Science</i> , <b>2015</b> , 2, 1500027	13.6	159
5	Hydrogen peroxide assisted rapid synthesis of TiO2 hollow microspheres with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 789-795	21.8	40

4	Transformation of TiO <sub>2</sub> cube to a hollow nanobox assembly from anatase TiO <sub>2</sub> nanosheets with exposed {001} facets via solvothermal strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8663-9	9.5	7 <sup>1</sup>
3	Rapid synthesis of a TiO <sub>2</sub> hollow microsphere assembly from hollow nanoparticles with enhanced photocatalytic activity. <i>RSC Advances</i> , <b>2013</b> , 3, 15273	3.7	3 <sup>1</sup>
2	Microwave-assisted rapid synthesis of anatase TiO <sub>2</sub> nanocrystals with exposed {001} facets. <i>Journal of Molecular Catalysis A</i> , <b>2012</b> , 356, 137-143		4 <sup>1</sup>
1	TiO <sub>2</sub> -Modified Flower-Like Bi <sub>2</sub> WO <sub>6</sub> Nanostructures with Enhanced UV-Vis Photocatalytic Activity. <i>Chemical Engineering and Technology</i> , <b>2011</b> , 34, 1630-1634	2	24