

Jin Zhao

List of Publications by Citations

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39
papers

3,169
citations

26
h-index

40
g-index

40
ext. papers

3,854
ext. citations

12
avg, IF

5.38
L-index

#	Paper	IF	Citations
39	Hydrophilic Hierarchical Nitrogen-Doped Carbon Nanocages for Ultrahigh Supercapacitive Performance. <i>Advanced Materials</i> , 2015 , 27, 3541-5	24	573
38	Significant Contribution of Intrinsic Carbon Defects to Oxygen Reduction Activity. <i>ACS Catalysis</i> , 2015 , 5, 6707-6712	13.1	400
37	Porous 3D Few-Layer Graphene-like Carbon for Ultrahigh-Power Supercapacitors with Well-Defined Structure-Performance Relationship. <i>Advanced Materials</i> , 2017 , 29, 1604569	24	310
36	Hierarchical carbon nanocages confining high-loading sulfur for high-rate lithium-sulfur batteries. <i>Nano Energy</i> , 2015 , 12, 657-665	17.1	196
35	Mesostructured NiO/Ni composites for high-performance electrochemical energy storage. <i>Energy and Environmental Science</i> , 2016 , 9, 2053-2060	35.4	180
34	Three-Dimensional Nitrogen-Doped Carbon Nanotubes/Graphene Structure Used as a Metal-Free Electrocatalyst for the Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24592-24597	23.8	160
33	High-performance flexible quasi-solid-state zinc-ion batteries with layer-expanded vanadium oxide cathode and zinc/stainless steel mesh composite anode. <i>Nano Energy</i> , 2019 , 62, 94-102	17.1	127
32	Predicting the state of charge and health of batteries using data-driven machine learning. <i>Nature Machine Intelligence</i> , 2020 , 2, 161-170	22.5	121
31	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. <i>ACS Nano</i> , 2019 , 13, 7975-7984	16.7	104
30	Porous Hybrid Composites of Few-Layer MoS ₂ Nanosheets Embedded in a Carbon Matrix with an Excellent Supercapacitor Electrode Performance. <i>Small</i> , 2015 , 11, 6480-90	11	89
29	Amorphous Fe-Ni-P-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Nano</i> , 2019 , 13, 12969-12979	16.7	80
28	Partially Reduced Holey Graphene Oxide as High Performance Anode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803215	21.8	68
27	Anion Texturing Towards Dendrite-Free Zn Anode for Aqueous Rechargeable Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7213-7219	16.4	68
26	Hierarchical carbon nanocages as high-rate anodes for Li- and Na-ion batteries. <i>Nano Research</i> , 2015 , 8, 3535-3543	10	64
25	Inverse opal manganese dioxide constructed by few-layered ultrathin nanosheets as high-performance cathodes for aqueous zinc-ion batteries. <i>Nano Research</i> , 2019 , 12, 1347-1353	10	62
24	Emerging rechargeable aqueous aluminum ion battery: Status, challenges, and outlooks. <i>Nano Materials Science</i> , 2020 , 2, 248-263	10.2	61
23	Layered VOPO ₄ as a Cathode Material for Rechargeable Zinc-Ion Battery: Effect of Polypyrrole Intercalation in the Host and Water Concentration in the Electrolyte. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8667-8674	6.1	50

22	Preparation of graphene supported nickel nanoparticles and their application to methanol electrooxidation in alkaline medium. <i>New Journal of Chemistry</i> , 2012 , 36, 1108	3.6	48
21	N-heterocyclic carbene complexes of Group 6 metals. <i>Coordination Chemistry Reviews</i> , 2015 , 293-294, 292-326	23.2	46
20	Layered Trichalcogenidophosphate: A New Catalyst Family for Water Splitting. <i>Nano-Micro Letters</i> , 2018 , 10, 67	19.5	44
19	Dynamic Intelligent Cu Current Collectors for Ultrastable Lithium Metal Anodes. <i>Nano Letters</i> , 2020 , 20, 3403-3410	11.5	36
18	S-doped mesoporous nanocomposite of HTiNbO ₅ nanosheets and TiO ₂ nanoparticles with enhanced visible light photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 801-10	3.6	35
17	Synthesis of large-scale undoped and nitrogen-doped amorphous graphene on MgO substrate by chemical vapor deposition. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19679		35
16	Codoped Holey Graphene Aerogel by Selective Etching for High-Performance Sodium-Ion Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 2000099	21.8	29
15	Hydrophilic engineering of VO _x -based nanosheets for ambient electrochemical ammonia synthesis at neutral pH. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5913-5918	13	27
14	Asymmetric-Layered Tin Thiophosphate: An Emerging 2D Ternary Anode for High-Performance Sodium Ion Full Cell. <i>ACS Nano</i> , 2018 , 12, 12902-12911	16.7	26
13	Anion Texturing Towards Dendrite-Free Zn Anode for Aqueous Rechargeable Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 7289-7295	3.6	22
12	Advanced electro-active dry adhesive actuated by an artificial muscle constructed from an ionic polymer metal composite reinforced with nitrogen-doped carbon nanocages. <i>Journal of Bionic Engineering</i> , 2017 , 14, 567-578	2.7	20
11	Tailoring the nano heterointerface of hematite/magnetite on hierarchical nitrogen-doped carbon nanocages for superb oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21313-21319	13	19
10	Cyclopentadienyl Molybdenum(II) N,C-Chelating Benzothiazole-Carbene Complexes: Synthesis, Structure, and Application in Cyclooctene Epoxidation Catalysis. <i>Organometallics</i> , 2014 , 33, 2457-2466	3.8	14
9	Spinel Nickel Cobaltite Mesostructures Assembled from Ultrathin Nanosheets for High-Performance Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 684-691	6.1	11
8	Cyclopentadienyl nickel(ii) N,C-chelating benzothiazolyl NHC complexes: synthesis, characterization and application in catalytic C-C bond formation reactions. <i>Dalton Transactions</i> , 2016 , 45, 7312-9	4.3	11
7	Nickel-Catalyzed Facile [2+2+2] Cyclootrimerization of Unactivated Internal Alkynes to Polysubstituted Benzenes. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 168-173	4.5	10
6	CoSe-Decorated NbSe Nanosheets Fabricated via Cation Exchange for Li Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37773-37778	9.5	10
5	Integrated Porous Cu Host Induced High-Stable Bidirectional Li Plating/Stripping Behavior for Practical Li Metal Batteries. <i>Small</i> , 2021 , e2105999	11	4

4	Enlarging ion-transfer micropore channels of hierarchical carbon nanocages for ultrahigh energy and power densities. <i>Science China Materials</i> , 2021 , 64, 2173-2181	7.1	4
3	Seven-Coordinate Mo(II) Iodo Complexes with Benzothiazole N-Heterocyclic-Carbene Ligands and Their Mo(0) Precursors: Synthesis, Structures, and Catalytic Application in the Epoxidation of cis-Cyclooctene. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 395-403	3	4
2	Regioselective Synthesis of Fatty Acid Esters of Glycosides Containing Cis-diol and Biological Test against Bacterial <i>Staphylococcus aureus</i> and <i>Salmonella agona</i> . <i>Journal of the Chinese Chemical Society</i> , 2012 , 59, 1111-1118	1.5	1
1	Enhanced Electron Transfer and Spin Flip through Spin-Orbital Couplings in Organic/Inorganic Heterojunctions: A Nonadiabatic Surface Hopping Simulation. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 4840-4848	6.4	0