

Youqi Zhu

List of Publications by Citations

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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.

80
papers

4,299
citations

35
h-index

65
g-index

82
ext. papers

5,365
ext. citations

9.2
avg. IF

5.8
L-index

#	Paper	IF	Citations
80	Hollow N-Doped Carbon Spheres with Isolated Cobalt Single Atomic Sites: Superior Electrocatalysts for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17269-17272	16.4	444
79	Ultrathin nickel hydroxide and oxide nanosheets: synthesis, characterizations and excellent supercapacitor performances. <i>Scientific Reports</i> , 2014 , 4, 5787	4.9	301
78	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16086-16090	16.4	299
77	Electronic structure engineering to boost oxygen reduction activity by controlling the coordination of the central metal. <i>Energy and Environmental Science</i> , 2018 , 11, 2348-2352	35.4	203
76	Constructing NiCo/FeO Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15336-15341	16.4	193
75	Two-dimensional ultrathin ZnCo ₂ O ₄ nanosheets: general formation and lithium storage application. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9556-9564	13	152
74	Poly(vinylidene fluoride)/SiO ₂ composite membranes prepared by electrospinning and their excellent properties for nonwoven separators for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 251, 423-431	8.9	140
73	One-step synthesis of zinc-cobalt layered double hydroxide (ZnCo-LDH) nanosheets for high-efficiency oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6878-6883	13	138
72	Microwave Assisted Synthesis of Porous NiCo ₂ O ₄ Microspheres: Application as High Performance Asymmetric and Symmetric Supercapacitors with Large Areal Capacitance. <i>Scientific Reports</i> , 2016 , 6, 22699	4.9	138
71	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. <i>Nature Communications</i> , 2018 , 9, 3861	17.4	132
70	Ordered Porous Nitrogen-Doped Carbon Matrix with Atomically Dispersed Cobalt Sites as an Efficient Catalyst for Dehydrogenation and Transfer Hydrogenation of N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11262-11266	16.4	119
69	High-performance supercapacitor electrode based on amorphous mesoporous Ni(OH) ₂ nanoboxes. <i>Journal of Power Sources</i> , 2014 , 262, 344-348	8.9	116
68	Surface-enabled superior lithium storage of high-quality ultrathin NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7904	13	113
67	Microwave-assisted and gram-scale synthesis of ultrathin SnO ₂ nanosheets with enhanced lithium storage properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2745-53	9.5	109
66	LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ hollow nano-micro hierarchical microspheres with enhanced performances as cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11848	13	97
65	Scale-Up Biomass Pathway to Cobalt Single-Site Catalysts Anchored on N-Doped Porous Carbon Nanobelt with Ultrahigh Surface Area. <i>Advanced Functional Materials</i> , 2018 , 28, 1802167	15.6	78
64	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. <i>ACS Catalysis</i> , 2018 , 8, 10004-10011	13.1	75

63	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2017 , 129, 16302-16306	3.6	66
62	Microwave-Assisted Synthesis of CuS Hierarchical Nanosheets as the Cathode Material for High-Capacity Rechargeable Magnesium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7046-7054	9.5	60
61	Single-atom Fe with Fe1N3 structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. <i>Science China Materials</i> , 2021 , 64, 642-650	7.1	59
60	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metal-Support Interactions. <i>ACS Catalysis</i> , 2019 , 9, 5223-5230	13.1	52
59	Lithium titanate epitaxial coating on spinel lithium manganese oxide surface for improving the performance of lithium storage capability. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18742-50	9.5	52
58	Microwave assisted synthesis of mesoporous NiCo2O4 nanosheets as electrode material for advanced flexible supercapacitors. <i>RSC Advances</i> , 2015 , 5, 33146-33154	3.7	52
57	Cube-shaped hierarchical LiNi1/3Co1/3Mn1/3O2 with enhanced growth of nanocrystal planes as high-performance cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15523-15528	13	45
56	A Simple Synthesis of Two-Dimensional Ultrathin Nickel Cobaltite Nanosheets for Electrochemical Lithium Storage. <i>Electrochimica Acta</i> , 2015 , 176, 141-148	6.7	45
55	Cobalt-doping SnS nanosheets towards high-performance anodes for sodium ion batteries. <i>Nanoscale</i> , 2020 , 12, 248-255	7.7	43
54	Supported SnS2 nanosheet array as binder-free anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2019 , 308, 174-184	6.7	42
53	Engineering yolk-shell P-doped NiS2/C spheres via a MOF-template for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8612-8619	13	42
52	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. <i>Nature Communications</i> , 2021 , 12, 3181	17.4	40
51	Chrysanthemum-like TiO2 nanostructures with exceptional reversible capacity and high coulombic efficiency for lithium storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6402-6407	13	39
50	Advances and challenges in metal-organic framework derived porous materials for batteries and electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24895-24919	13	38
49	Microwave-assisted and large-scale synthesis of SnO2/carbon-nanotube hybrids with high lithium storage capacity. <i>RSC Advances</i> , 2015 , 5, 58568-58573	3.7	36
48	A general synthetic strategy to monolayer graphene. <i>Nano Research</i> , 2018 , 11, 3088-3095	10	36
47	Two-dimensional SnO2/graphene heterostructures for highly reversible electrochemical lithium storage. <i>Science China Materials</i> , 2018 , 61, 1527-1535	7.1	35
46	Strongly coupled mesoporous SnO2-graphene hybrid with enhanced electrochemical and photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 11860	3.7	35

45	Nd-doped SnO ₂ : characterization and its gas sensing property. <i>Journal of Rare Earths</i> , 2010 , 28, 171-173	3.7	35
44	Anionic Se-Substitution toward High-Performance CuS Se Nanosheet Cathode for Rechargeable Magnesium Batteries. <i>Small</i> , 2019 , 15, e1902797	11	34
43	Microwave-assisted preparation of hollow porous carbon spheres and as anode of lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2017 , 251, 114-121	5.3	34
42	Preparation and characterization of SrSnO ₃ nanorods. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 869-874	3.9	30
41	Microwave-assisted synthesis of CuSe nano-particles as a high -performance cathode for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2019 , 324, 134864	6.7	29
40	Cuprous Self-Doping Regulated Mesoporous CuS Nanotube Cathode Materials for Rechargeable Magnesium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35035-35042	9.5	28
39	Facile synthesis of single crystalline mesoporous hematite nanorods with enhanced supercapacitive performance. <i>Electrochimica Acta</i> , 2015 , 155, 257-262	6.7	25
38	Self-template processed hierarchical V ₂ O ₅ nanobelts as cathode for high performance lithium ion battery. <i>Electrochimica Acta</i> , 2015 , 182, 621-628	6.7	24
37	Template free and facile microwave-assisted synthesis method to prepare mesoporous copper sulfide nanosheets for high-performance hybrid supercapacitor. <i>Electrochimica Acta</i> , 2019 , 319, 49-60	6.7	24
36	Remarkable electrochemical lithium storage behaviour of two-dimensional ultrathin Ni(OH) ₂ nanosheets. <i>RSC Advances</i> , 2015 , 5, 83757-83763	3.7	23
35	Poly(vinylidene fluoride)/SiO ₂ composite membrane separators for high-performance lithium-ion batteries to provide battery capacity with improved separator properties. <i>Journal of Power Sources</i> , 2020 , 451, 227759	8.9	23
34	Ordered Porous Nitrogen-Doped Carbon Matrix with Atomically Dispersed Cobalt Sites as an Efficient Catalyst for Dehydrogenation and Transfer Hydrogenation of N-Heterocycles. <i>Angewandte Chemie</i> , 2018 , 130, 11432-11436	3.6	23
33	Multifunctional iron oxide/silk-fibroin (Fe ₃ O ₄ /SF) composite microspheres for the delivery of cancer therapeutics. <i>RSC Advances</i> , 2014 , 4, 41572-41577	3.7	20
32	Construction of Pd-Zn dual sites to enhance the performance for ethanol electro-oxidation reaction. <i>Nature Communications</i> , 2021 , 12, 5273	17.4	20
31	Constructing sheet-assembled hollow CuSe nanocubes to boost the rate capability of rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3648-3656	13	18
30	Mo-Modified P2-type Manganese Oxide Nanoplates with an Oriented Stacking Structure and Exposed {010} Active Facets as a Long-Life Sodium-Ion Battery Cathode. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30819-30827	9.5	17
29	The improved performance of spinel LiMn ₂ O ₄ cathode with micro-nanostructured sphere-interconnected-tube morphology and surface orientation at extreme conditions for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 358, 136901	6.7	17
28	Tuning Surface Electronic Structure of Two-Dimensional Cobalt-Based Hydroxide Nanosheets for Highly Efficient Water Oxidation. <i>ChemCatChem</i> , 2020 , 12, 2823-2832	5.2	16

27	High-valence Ni and Fe sites on sulfated NiFe-LDH nanosheets to enhance O-O coupling for water oxidation. <i>Chemical Engineering Journal</i> , 2021 , 426, 130873	14.7	16
26	A high performance solid state asymmetric supercapacitor device based upon NiCo ₂ O ₄ nanosheets//MnO ₂ microspheres. <i>RSC Advances</i> , 2016 , 6, 70292-70302	3.7	15
25	Pulverization-Tolerant CuSe Nanoflakes with High (110) Planar Orientation for High-Performance Magnesium Storage. <i>Advanced Functional Materials</i> , 2021 , 31, 2104730	15.6	14
24	Tuning oxygen redox chemistry of P2-type manganese-based oxide cathode via dual Cu and Co substitution for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021 , 41, 581-587	19.4	14
23	P-Type Boron-Doped Monolayer Graphene with Tunable Bandgap for Enhanced Photocatalytic H ₂ Evolution under Visible-Light Irradiation. <i>ChemCatChem</i> , 2019 , 11, 5145-5153	5.2	12
22	Hierarchical B-doped carbon nanotube with enhanced electrochemical lithium storage. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 276-282	5.3	12
21	AB ₅ -alloy oxide/graphene composite anode with excellent cyclic stability for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2014 , 582, 289-293	5.7	11
20	High-voltage P2-type manganese oxide cathode induced by titanium gradient modification for sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 403, 126308	14.7	11
19	Regulating bifunctional flower-like NiFe ₂ O ₄ /graphene for green EMI shielding and lithium ion storage. <i>Journal of Materials Science and Technology</i> , 2022 , 127, 48-60	9.1	10
18	Hierarchical flower-like spinel manganese-based oxide nanosheets for high-performance lithium ion battery. <i>Science China Materials</i> , 2019 , 62, 1385-1392	7.1	9
17	Synthesis and photocatalytic property of Ce-doped SnO ₂ . <i>Journal of Rare Earths</i> , 2010 , 28, 168-170	3.7	9
16	Single crystalline SnO ₂ nanowires obtained from heat-treated SnO ₂ and C mixture and their electrochemical properties. <i>Materials Chemistry and Physics</i> , 2014 , 147, 184-190	4.4	8
15	Microwave-induced phase engineering of copper sulfide nanosheets for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2021 , 374, 137965	6.7	8
14	La-doped SnO ₂ synthesis and its electrochemical property. <i>Journal of Rare Earths</i> , 2010 , 28, 161-163	3.7	7
13	Interpenetrated tunnel routes in silicon/carbon hollow sphere anodes to boost their lithium storage. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2782-2790	7.8	6
12	Facile One-Step Microwave-Assisted Method to Synthesize Nickel Selenide Nanosheets for High-Performance Hybrid Supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 1005-1014	9.3	5
11	Preparation of a bifunctional ultrathin nickel phosphide nanosheet electrocatalyst for full water splitting. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 5294-5300	5.8	5
10	Hierarchical nanosheet-assembled copper sulfide microspheres as the cathode materials for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2021 , 388, 138619	6.7	4

9	Constructing defect-rich unconventional phase Cu ₇ S ₄ nanotubes via microwave-induced selective etching for ultra-stable rechargeable magnesium batteries. <i>Chemical Engineering Journal</i> , 2022 , 430, 133108	14.7	3
8	Mitigating voltage decay of Li-Rich layer oxide cathode material via an ultrathin Li^+ ion pump heteroepitaxial surface modification. <i>Journal of Power Sources</i> , 2021 , 511, 230427	8.9	3
7	Atomically dispersed Ni anchored on polymer-derived mesh-like N-doped carbon nanofibers as an efficient CO ₂ electrocatalytic reduction catalyst. <i>Nano Research</i> , 1	10	2
6	Anionic Te-Substitution Boosting the Reversible Redox in CuS Nanosheet Cathodes for Magnesium Storage.. <i>ACS Nano</i> , 2022 ,	16.7	2
5	Engineering kinetics-favorable 2D graphene@CuS with long-term cycling stability for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2022 , 407, 139786	6.7	2
4	General metal-organic framework-derived strategy to synthesize yolk-shell carbon-encapsulated nickelic spheres for sodium-ion batteries.. <i>Journal of Colloid and Interface Science</i> , 2021 , 613, 23-34	9.3	2
3	Facile synthesis of 3D silk fibroin scaffolds with tunable properties for regenerative medicine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 1272-1286	3.5	1
2	Microwave-assisted synthesis of metallic V ₆ O ₁₃ nanosheet as high-capacity cathode for magnesium storage. <i>Materials Letters</i> , 2021 , 308, 131279	3.3	1
1	Microwave-assisted Synthesis of Greigite Fe ₃ S ₄ nanosheets wrapped in an rGO Matrix as anode material for Sodium-ion batteries. <i>MATEC Web of Conferences</i> , 2022 , 358, 01068	0.3	