

Youqi Zhu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7269056/youqi-zhu-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Anionic Te-Substitution Boosting the Reversible Redox in CuS Nanosheet Cathodes for Magnesium Storage.. <i>ACS Nano</i> , 2022 ,	16.7	2
79	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
78	Constructing defect-rich unconventional phase Cu _{7.2} 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
77	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
76	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
75	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	
74	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
73	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
72	Microwave-induced phase engineering of copper sulfide nanosheets for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2021 , 374, 137965	6.7	8
71	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
70	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
69	Single-atom Fe with Fe ₁ N ₃ structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. <i>Science China Materials</i> , 2021 , 64, 642-650	7.1	59
68	Hierarchical nanosheet-assembled copper sulfide microspheres as the cathode materials for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2021 , 388, 138619	6.7	4
67	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
66	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
65	Mitigating voltage decay of Li-Rich layer oxide cathode material via an ultrathin [lithium ion pump] heteroepitaxial surface modification. <i>Journal of Power Sources</i> , 2021 , 511, 230427	8.9	3
64	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

63	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
62	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
61	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
60	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
59	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
58	Engineering yolk-shell P-doped NiS ₂ /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
57	Cobalt-doping SnS nanosheets towards high-performance anodes for sodium ion batteries. <i>Nanoscale</i> , 2020 , 12, 248-255	7.7	43
56	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
55	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
54	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
53	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
52	Anionic Se-Substitution toward High-Performance CuS Se Nanosheet Cathode for Rechargeable Magnesium Batteries. <i>Small</i> , 2019 , 15, e1902797	11	34
51	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
50	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
49	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
48	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
47	Hierarchical B-doped carbon nanotube with enhanced electrochemical lithium storage. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 276-282	5.3	12
46	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

45	Supported SnS ₂ nanosheet array as binder-free anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2019 , 308, 174-184	6.7	42
44	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
43	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
42	A general synthetic strategy to monolayer graphene. <i>Nano Research</i> , 2018 , 11, 3088-3095	10	36
41	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
40	Two-dimensional SnO ₂ /graphene heterostructures for highly reversible electrochemical lithium storage. <i>Science China Materials</i> , 2018 , 61, 1527-1535	7.1	35
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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

27	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
26	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
25	Cube-shaped hierarchical LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ 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
24	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
23	Microwave-assisted and large-scale synthesis of SnO ₂ /carbon-nanotube hybrids with high lithium storage capacity. <i>RSC Advances</i> , 2015 , 5, 58568-58573	3.7	36
22	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
21	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
20	Remarkable electrochemical lithium storage behaviour of two-dimensional ultrathin Ni(OH) ₂ nanosheets. <i>RSC Advances</i> , 2015 , 5, 83757-83763	3.7	23
19	Microwave assisted synthesis of mesoporous NiCo ₂ O ₄ nanosheets as electrode material for advanced flexible supercapacitors. <i>RSC Advances</i> , 2015 , 5, 33146-33154	3.7	52
18	Facile synthesis of single crystalline mesoporous hematite nanorods with enhanced supercapacitive performance. <i>Electrochimica Acta</i> , 2015 , 155, 257-262	6.7	25
17	Chrysanthemum-like TiO ₂ 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
16	Ultrathin nickel hydroxide and oxide nanosheets: synthesis, characterizations and excellent supercapacitor performances. <i>Scientific Reports</i> , 2014 , 4, 5787	4.9	301
15	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
14	Surface-enabled superior lithium storage of high-quality ultrathin NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7904	13	113
13	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
12	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
11	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
10	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

9	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
8	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
7	Strongly coupled mesoporous SnO ₂ /graphene hybrid with enhanced electrochemical and photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 11860	3.7	35
6	Preparation and characterization of SrSnO ₃ nanorods. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 869-874	3.9	30
5	Synthesis and photocatalytic property of Ce-doped SnO ₂ . <i>Journal of Rare Earths</i> , 2010 , 28, 168-170	3.7	9
4	Nd-doped SnO ₂ : characterization and its gas sensing property. <i>Journal of Rare Earths</i> , 2010 , 28, 171-173	3.7	35
3	La-doped SnO ₂ synthesis and its electrochemical property. <i>Journal of Rare Earths</i> , 2010 , 28, 161-163	3.7	7
2	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
1	Pulverization-Tolerant CuSe Nanoflakes with High (110) Planar Orientation for High-Performance Magnesium Storage. <i>Advanced Functional Materials</i> , 2104730	15.6	14