

# Ting Zhu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/271344/ting-zhu-publications-by-year.pdf>

**Version:** 2024-04-17

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.

50  
papers

3,419  
citations

26  
h-index

54  
g-index

54  
ext. papers

3,791  
ext. citations

9.1  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
50	Synergistic Interaction of Ternary NiCoCu Chalcogenides Confined in Nanosheets Array to Advance Supercapacitors and Solar Steam Generation. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100021	7.1	5
49	Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage. <i>Small</i> , <b>2021</b> , 17, e2008047	11	5
48	Unusual Formation of CoS <sub>0.61</sub> Se <sub>0.25</sub> Anion Solid Solution with Sulfur Defects to Promote Electrocatalytic Water Reduction. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2976-2982	6.1	6
47	Electrochemical Energy Storage: Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage (Small 21/2021). <i>Small</i> , <b>2021</b> , 17, 2170103	11	
46	Tailoring the Porous Structure of Mono-dispersed Hierarchically Nitrogen-doped Carbon Spheres for Highly Efficient Oxygen Reduction Reaction. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 81-87	13	4
45	In-situ Copper Doping with ZnO/ZnS Heterostructures to Promote Interfacial Photocatalysis of Microsized Particles. <i>ChemCatChem</i> , <b>2021</b> , 13, 564-573	5.2	7
44	Facile fabrication of hollow CuO nanocubes for enhanced lithium/sodium storage performance. <i>CrystEngComm</i> , <b>2021</b> , 23, 6107-6116	3.3	3
43	Fabrication of Core-Shell Nanocolloids with Various Core Sizes to Promote Light Capture for Green Fuels. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 761-768	4.5	3
42	Controllable Ag Migration To Form One-Dimensional Ag/Ag <sub>2</sub> S@ZnS for Bifunctional Catalysis. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6146-6154	6.1	10
41	Photoacoustic imaging of tumor-targeted HSA-modified S-WS <sub>2</sub> nanosheet probes. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	
40	Nanoflake-constructed porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C hierarchical microspheres as a bicontinuous cathode for sodium-ion batteries applications. <i>Nano Energy</i> , <b>2019</b> , 60, 312-323	17.1	97
39	In situ formation of Ni <sub>3</sub> S <sub>2</sub> Cu <sub>1.8</sub> S nanosheets to promote hybrid supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11044-11052	13	48
38	Photo-assisted electrochemical hydrogen evolution by plasmonic Ag nanoparticle/nanorod heterogeneity. <i>Information Materials</i> , <b>2019</b> , 1, 417-425	23.1	44
37	Facile fabrication of interconnected-mesoporous T-Nb <sub>2</sub> O <sub>5</sub> nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , <b>2019</b> , 62, 465-473	7.1	23
36	Uniform MnCoO Porous Dumbbells for Lithium-Ion Batteries and Oxygen Evolution Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8730-8738	9.5	54
35	Monodisperse and homogeneous SiO <sub>2</sub> /C microspheres: A promising high-capacity and durable anode material for lithium-ion batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 112-118	19.4	136
34	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6792-6799	13	26

33	One-dimensional coaxial Sb and carbon fibers with enhanced electrochemical performance for sodium-ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 428, 448-454	6.7	30
32	N-S co-doped C@SnS nanoflakes/graphene composite as advanced anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 606-614	14.7	72
31	Electrospun Single Crystalline Fork-Like KVO as High-Performance Cathode Materials for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 195	5	18
30	N-doped one-dimensional carbonaceous backbones supported MoSe <sub>2</sub> nanosheets as superior electrodes for energy storage and conversion. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2190-2200	14.7	66
29	Three-Dimensional Carbon-Coated Treelike NiS Superstructures on a Nickel Foam as Binder-Free Bifunctional Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36018-36027	9.5	34
28	Self-templated synthesis of N-doped CoSe <sub>2</sub> /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , <b>2017</b> , 8, 28-34	19.4	77
27	Bifunctional 2D-on-2D MoO <sub>3</sub> nanobelt/Ni(OH) <sub>2</sub> nanosheets for supercapacitor-driven electrochromic energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8343-8351	13	81
26	High-efficient electrocatalysts by unconventional acid-etching for overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24153-24158	13	20
25	Rational design of multi-shelled CoO/Co <sub>9</sub> S <sub>8</sub> hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18448-18456	13	78
24	Rational synthesis of SnS <sub>2</sub> @C hollow microspheres with superior stability for lithium-ion batteries. <i>Science China Materials</i> , <b>2017</b> , 60, 955-962	7.1	9
23	Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10482-10486	3.6	25
22	Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10326-30	16.4	36
21	Rational Integration of Inbuilt Aperture with Mesoporous Framework in Unusual Asymmetrical Yolk-Shell Structures for Energy Storage and Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32901-32909	9.5	17
20	Nature-Inspired Design of Artificial Solar-to-Fuel Conversion Systems based on Copper Phosphate Microflowers. <i>ChemSusChem</i> , <b>2016</b> , 9, 1575-8	8.3	3
19	Facile synthesis of flower-like hierarchical NiCo <sub>2</sub> O <sub>4</sub> microspheres as high-performance cathode materials for LiO <sub>2</sub> batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 98867-98873	3.7	11
18	In situ chemical etching of tunable 3D Ni <sub>3</sub> S <sub>2</sub> superstructures for bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13916-13922	13	94
17	Carbon supported Co <sub>9</sub> S <sub>8</sub> hollow spheres assembled from ultrathin nanosheets for high-performance supercapacitors. <i>Materials Letters</i> , <b>2016</b> , 183, 290-295	3.3	24
16	Shaped-controlled synthesis of porous NiCo <sub>2</sub> O <sub>4</sub> with 1-3 dimensional hierarchical nanostructures for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 1697-1704	3.7	40

15	TiO <sub>2</sub> Fibers Supported FeOOH Nanostructures as Efficient Visible Light Photocatalyst and Room Temperature Sensor. <i>Scientific Reports</i> , <b>2015</b> , 5, 10601	4.9	71
14	Self-assembly formation of NiCo <sub>2</sub> O <sub>4</sub> superstructures with porous architectures for electrochemical capacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 53259-53266	3.7	15
13	Self-supported yolk-shell nanocolloids towards high capacitance and excellent cycling performance. <i>Nano Energy</i> , <b>2015</b> , 18, 273-282	17.1	48
12	Outside-in recrystallization of ZnS-Cu <sub>1.8</sub> S hollow spheres with interdispersed lattices for enhanced visible light solar hydrogen generation. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 11505-10	4.8	22
11	Formation of 1D Hierarchical Structures Composed of Ni <sub>3</sub> S <sub>2</sub> Nanosheets on CNTs Backbone for Supercapacitors and Photocatalytic H <sub>2</sub> Production. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 1497-1502	21.8	295
10	Porous Co <sub>3</sub> O <sub>4</sub> nanowires derived from long Co(CO <sub>3</sub> )(0.5)(OH)·1.1H <sub>2</sub> O nanowires with improved supercapacitive properties. <i>Nanoscale</i> , <b>2012</b> , 4, 2145-9	7.7	218
9	Facile preparation of ZnMn <sub>2</sub> O <sub>4</sub> hollow microspheres as high-capacity anodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 827-829		226
8	Arrays of ultrafine CuS nanoneedles supported on a CNT backbone for application in supercapacitors. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7851		235
7	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <i>Nanoscale</i> , <b>2011</b> , 3, 1084-9	7.7	330
6	Controlled synthesis of hierarchical NiO nanosheet hollow spheres with enhanced supercapacitive performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6602		255
5	Building Hematite Nanostructures by Oriented Attachment. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 676-679	3.6	8
4	Shape-controlled synthesis of cobalt-based nanocubes, nanodiscs, and nanoflowers and their comparative lithium-storage properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3628-35	9.5	166
3	Shape-controlled synthesis of porous Co <sub>3</sub> O <sub>4</sub> nanostructures for application in supercapacitors. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7015		313
2	Enriching surface oxygen vacancies of spinel Co <sub>3</sub> O <sub>4</sub> to boost H <sub>2</sub> O adsorption for HER in alkaline media. <i>Materials Advances</i> ,	3.3	2
1	Fabrication of MOF-derived mixed metal oxides with carbon residues for pseudocapacitors with long cycle life. <i>Rare Metals</i> , <sup>1</sup>	5.5	6