

# Yifang Zhang

## List of Publications by Year in descending order

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32  
papers

1,665  
citations

331259

21  
h-index

433756

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductivity gradient modulator induced highly reversible Li anodes in carbonate electrolytes for high-voltage lithium-metal batteries. <i>Energy Storage Materials</i> , 2022, 47, 482-490.	9.5	26
2	Incorporation of LiF into functionalized polymer fiber networks enabling high capacity and high rate cycling of lithium metal composite anodes. <i>Chemical Engineering Journal</i> , 2021, 404, 126508.	6.6	21
3	Crowning Metal Ions by Supramolecularization as a General Remedy toward a Dendrite-Free Alkali-Metal Battery. <i>Advanced Materials</i> , 2021, 33, e2101745.	11.1	32
4	Anti-Corrosive and Zn-Ion-Regulating Composite Interlayer Enabling Long-Life Zn Metal Anodes. <i>Advanced Functional Materials</i> , 2021, 31, 2104361.	7.8	135
5	Mechanistic Insights into Fast Charging and Discharging of the Sodium Metal Battery Anode: A Comparison with Lithium. <i>Journal of the American Chemical Society</i> , 2021, 143, 13929-13936.	6.6	46
6	Revisiting lithium metal anodes from a dynamic and realistic perspective. <i>EnergyChem</i> , 2021, 3, 100063.	10.1	11
7	Intrinsically high efficiency sodium metal anode. <i>Science China Chemistry</i> , 2020, 63, 1557-1562.	4.2	7
8	Bimetallic organic framework derivation of three-dimensional and heterogeneous metal selenides/carbon composites as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 12623-12631.	2.8	44
9	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. <i>Angewandte Chemie</i> , 2020, 132, 7871-7876.	1.6	4
10	Metal Organic Framework Derivative Improving Lithium Metal Anode Cycling. <i>Advanced Functional Materials</i> , 2020, 30, 1907579.	7.8	49
11	Layered MXene Protected Lithium Metal Anode as an Efficient Polysulfide Blocker for Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 892-899.	2.4	22
12	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7797-7802.	7.2	57
13	A Facile Carbon Quantum Dot-Modified Reduction Approach Towards Tunable Sb@CQDs Nanoparticles for High Performance Sodium Storage. <i>Batteries and Supercaps</i> , 2020, 3, 463-469.	2.4	20
14	Tin sulfide nanoparticles embedded in sulfur and nitrogen dual-doped mesoporous carbon fibers as high-performance anodes with battery-capacitive sodium storage. <i>Energy Storage Materials</i> , 2019, 18, 366-374.	9.5	101
15	Na-Ion Batteries: A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries ( <i>Adv. Sci.</i> 16/2019). <i>Advanced Science</i> , 2019, 6, 1970098.	5.6	4
16	Formation and Evolution of Lithium Metal Anode-Carbonate Electrolyte Interphases. , 2019, 1, 254-259.		23
17	Facile synthesis of LiVO <sub>3</sub> and its electrochemical behavior in rechargeable lithium batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 853, 113505.	1.9	18
18	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries. <i>Advanced Science</i> , 2019, 6, 1900162.	5.6	90

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19	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9153-9160.	5.2	90
20	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6792-6799.	5.2	30
21	S-doped porous carbon confined SnS nanospheres with enhanced electrochemical performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18286-18292.	5.2	67
22	Cycling and Failing of Lithium Metal Anodes in Carbonate Electrolyte. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21462-21467.	1.5	45
23	Nitrogen-Doped Yolk-Shell-Structured CoSe/C Dodecahedra for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3624-3633.	4.0	244
24	Self-templated synthesis of N-doped CoSe <sub>2</sub> /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017, 8, 28-34.	9.5	107
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> , 2017, 5, 18448-18456.	5.2	91
26	Controllable Preparation of V <sub>2</sub> O <sub>5</sub> /Graphene Nanocomposites as Cathode Materials for Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2016, 11, 549.	3.1	17
27	Multi-shelled $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> microspheres for high-rate supercapacitors. <i>Science China Materials</i> , 2016, 59, 247-253.	3.5	25
28	Facile synthesis of sandwich-structured Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /carbon composite as cathodes for high performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 683, 178-185.	2.8	21
29	Nanorod-Nanoflake Interconnected LiMnPO <sub>4</sub> -Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Composite for High-Rate and Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27632-27641.	4.0	44
30	Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17303-17311.	4.0	43
31	Reduced graphene oxide modified V <sub>2</sub> O <sub>3</sub> with enhanced performance for lithium-ion battery. <i>Materials Letters</i> , 2014, 137, 174-177.	1.3	30
32	Facile synthesis of nanorod-assembled multi-shelled Co <sub>3</sub> O <sub>4</sub> hollow microspheres for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014, 272, 107-112.	4.0	101