

# Yifang Zhang

## List of Publications by Year in Descending Order

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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.

32  
papers

1,154  
citations

19  
h-index

32  
g-index

32  
ext. papers

1,398  
ext. citations

11.9  
avg, IF

4.71  
L-index

#	Paper	IF	Citations
32	Conductivity gradient modulator induced highly reversible Li anodes in carbonate electrolytes for high-voltage lithium-metal batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 47, 482-490	19.4	4
31	Crowning Metal Ions by Supramolecularization as a General Remedy toward a Dendrite-Free Alkali-Metal Battery. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101745	24	10
30	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> , <b>2021</b> , 404, 126508	14.7	11
29	Anti-Corrosive and Zn-Ion-Regulating Composite Interlayer Enabling Long-Life Zn Metal Anodes. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104361	15.6	38
28	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> , <b>2021</b> , 143, 13929-13936	16.4	11
27	Revisiting lithium metal anodes from a dynamic and realistic perspective. <i>EnergyChem</i> , <b>2021</b> , 3, 100063	36.9	4
26	Bimetallic organic framework derivation of three-dimensional and heterogeneous metal selenides/carbon composites as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 12623-12631	7.7	17
25	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7871-7876	3.6	4
24	Metal Organic Framework Derivative Improving Lithium Metal Anode Cycling. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907579	15.6	33
23	Layered MXene Protected Lithium Metal Anode as an Efficient Polysulfide Blocker for Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 892-899	5.6	11
22	Intrinsically high efficiency sodium metal anode. <i>Science China Chemistry</i> , <b>2020</b> , 63, 1557-1562	7.9	6
21	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7797-7802	16.4	36
20	A Facile Carbon Quantum Dot-Modified Reduction Approach Towards Tunable Sb@CQDs Nanoparticles for High Performance Sodium Storage. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 463-469	5.6	15
19	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries. <i>Advanced Science</i> , <b>2019</b> , 6, 1900162	13.6	58
18	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> , <b>2019</b> , 18, 366-374	19.4	78
17	Na-Ion Batteries: A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries (Adv. Sci. 16/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970098	13.6	3
16	Formation and Evolution of Lithium Metal Anode/Carbonate Electrolyte Interphases <b>2019</b> , 1, 254-259		20

15	Facile synthesis of $\text{LiVO}_3$ and its electrochemical behavior in rechargeable lithium batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 853, 113505	4.1	8
14	Heterogeneous $\text{NiS}/\text{NiO}$ multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9153-9160	13	76
13	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
12	S-doped porous carbon confined $\text{SnS}$ nanospheres with enhanced electrochemical performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18286-18292	13	51
11	Cycling and Failing of Lithium Metal Anodes in Carbonate Electrolyte. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21462-21467	3.8	34
10	Nitrogen-Doped Yolk-Shell-Structured $\text{CoSe}/\text{C}$ Dodecahedra for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3624-3633	9.5	197
9	Self-templated synthesis of N-doped $\text{CoSe}_2/\text{C}$ double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , <b>2017</b> , 8, 28-34	19.4	77
8	Rational design of multi-shelled $\text{CoO}/\text{Co}_9\text{S}_8$ hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18448-18456	13	78
7	Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17303-11	9.5	35
6	Controllable Preparation of $\text{VO}/\text{Graphene}$ Nanocomposites as Cathode Materials for Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 549	5	13
5	Multi-shelled $\text{Fe}_2\text{O}_3$ microspheres for high-rate supercapacitors. <i>Science China Materials</i> , <b>2016</b> , 59, 247-253	7.1	22
4	Facile synthesis of sandwich-structured $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{carbon}$ composite as cathodes for high performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 178-185	5.7	20
3	Nanorod-Nanoflake Interconnected $\text{LiMnPO}_4/\text{LiV}(\text{PO})_4/\text{C}$ Composite for High-Rate and Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27632-27641	9.5	38
2	Reduced graphene oxide modified $\text{V}_2\text{O}_3$ with enhanced performance for lithium-ion battery. <i>Materials Letters</i> , <b>2014</b> , 137, 174-177	3.3	26
1	Facile synthesis of nanorod-assembled multi-shelled $\text{Co}_3\text{O}_4$ hollow microspheres for high-performance supercapacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 272, 107-112	8.9	94