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	Nitrogen-Doped Yolkâ€“Shell-Structured CoSe/C Dodecahedra for High-Performance Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 3624-3633.	4.0	244
2	Antiâ€Corrosive and Znâ€Ionâ€Regulating Composite Interlayer Enabling Longâ€Life Zn Metal Anodes. Advanced Functional Materials, 2021, 31, 2104361.	7.8	135
3	Self-templated synthesis of N-doped CoSe2/C double-shelled dodecahedra for high-performance supercapacitors. Energy Storage Materials, 2017, 8, 28-34.	9.5	107
4	Facile synthesis of nanorod-assembled multi-shelled Co3O4 hollow microspheres for high-performance supercapacitors. Journal of Power Sources, 2014, 272, 107-112.	4.0	101
5	Tin sulfide nanoparticles embedded in sulfur and nitrogen dual-doped mesoporous carbon fibers as high-performance anodes with battery-capacitive sodium storage. Energy Storage Materials, 2019, 18, 366-374.	9.5	101
6	Rational design of multi-shelled CoO/Co₉S₈ hollow microspheres for high-performance hybrid supercapacitors. Journal of Materials Chemistry A, 2017, 5, 18448-18456.	5.2	91
7	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 9153-9160.	5.2	90
8	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binderâ€Free Anodes for Sodiumâ€Ion Batteries. Advanced Science, 2019, 6, 1900162.	5.6	90
9	S-doped porous carbon confined SnS nanospheres with enhanced electrochemical performance for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 18286-18292.	5.2	67
10	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. Angewandte Chemie - International Edition, 2020, 59, 7797-7802.	7.2	57
11	Metal Organic Framework Derivative Improving Lithium Metal Anode Cycling. Advanced Functional Materials, 2020, 30, 1907579.	7.8	49
12	Mechanistic Insights into Fast Charging and Discharging of the Sodium Metal Battery Anode: A Comparison with Lithium. Journal of the American Chemical Society, 2021, 143, 13929-13936.	6.6	46
13	Cycling and Failing of Lithium Metal Anodes in Carbonate Electrolyte. Journal of Physical Chemistry C, 2018, 122, 21462-21467.	1.5	45
14	Nanorod-Nanoflake Interconnected LiMnPO₄Â·Li₃V₂(PO₄)₃/C Composite for High-Rate and Long-Life Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 27632-27641.	4.0	44
15	Bimetallic organic framework derivation of three-dimensional and heterogeneous metal selenides/carbon composites as advanced anodes for lithium-ion batteries. Nanoscale, 2020, 12, 12623-12631.	2.8	44
16	Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 17303-17311.	4.0	43
17	Crowning Metal Ions by Supramolecularization as a General Remedy toward a Dendriteâ€Free Alkaliâ€Metal Battery. Advanced Materials, 2021, 33, e2101745.	11.1	32
18	Reduced graphene oxide modified V2O3 with enhanced performance for lithium-ion battery. Materials Letters, 2014, 137, 174-177.	1.3	30

#	ARTICLE	IF	CITATIONS
19	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 6792-6799.	5.2	30
20	Conductivity gradient modulator induced highly reversible Li anodes in carbonate electrolytes for high-voltage lithium-metal batteries. Energy Storage Materials, 2022, 47, 482-490.	9.5	26
21	Multi-shelled Î±-Fe2O3 microspheres for high-rate supercapacitors. Science China Materials, 2016, 59, 247-253.	3.5	25
22	Formation and Evolution of Lithium Metal Anodeâ€“Carbonate Electrolyte Interphases. , 2019, 1, 254-259.		23
23	Layered MXene Protected Lithium Metal Anode as an Efficient Polysulfide Blocker for Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2020, 3, 892-899.	2.4	22
24	Facile synthesis of sandwich-structured Li3V2(PO4)3/carbon composite as cathodes for high performance lithium-ion batteries. Journal of Alloys and Compounds, 2016, 683, 178-185.	2.8	21
25	Incorporation of LiF into functionalized polymer fiber networks enabling high capacity and high rate cycling of lithium metal composite anodes. Chemical Engineering Journal, 2021, 404, 126508.	6.6	21
26	A Facile Carbon Quantum Dotâ€Modified Reduction Approach Towards Tunable Sb@CQDs Nanoparticles for High Performance Sodium Storage. Batteries and Supercaps, 2020, 3, 463-469.	2.4	20
27	Facile synthesis of LiVO3 and its electrochemical behavior in rechargeable lithium batteries. Journal of Electroanalytical Chemistry, 2019, 853, 113505.	1.9	18
28	Controllable Preparation of V2O5/Graphene Nanocomposites as Cathode Materials for Lithium-Ion Batteries. Nanoscale Research Letters, 2016, 11, 549.	3.1	17
29	Revisiting lithium metal anodes from a dynamic and realistic perspective. EnergyChem, 2021, 3, 100063.	10.1	11
30	Intrinsically high efficiency sodium metal anode. Science China Chemistry, 2020, 63, 1557-1562.	4.2	7
31	Naâ€Ion Batteries: A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binderâ€Free Anodes for Sodiumâ€Ion Batteries (Adv. Sci. 16/2019). Advanced Science, 2019, 6, 1970098.	5.6	4
32	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. Angewandte Chemie, 2020, 132, 7871-7876.	1.6	4