

Xinyu Wang

List of Publications by Year in descending order

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41
papers

3,461
citations

304743

22
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315739

38
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docs citations

41
times ranked

3990
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave-assisted in-situ isomorphism via introduction of Mn into CoCo ₂ O ₄ for battery-supercapacitor hybrid electrode material. <i>Chemical Engineering Journal</i> , 2022, 430, 132729.	12.7	21
2	Direct synthesis of tin spheres/nitrogen-doped porous carbon composite by self-formed template method for enhanced lithium storage. <i>Journal of Materials Science and Technology</i> , 2022, 104, 88-97.	10.7	24
3	A stable liquid–solid interface of a lithium metal anode enabled by micro-region meshing. <i>Nanoscale</i> , 2022, 14, 1195-1201.	5.6	4
4	High mass loading CaV ₄ O ₉ microflowers with amorphous phase transformation as cathode for aqueous zinc-ion battery. <i>Chemical Engineering Journal</i> , 2022, 434, 134642.	12.7	46
5	Facile large-scale preparation of vanadium pentoxide -polypyrrole composite for aqueous zinc-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164434.	5.5	18
6	Mg ²⁺ pre-intercalated hydrated vanadium oxide as high-performance cathode for aqueous zinc-ion batteries. <i>Modern Physics Letters B</i> , 2022, 36, .	1.9	3
7	Nanocomposites for binder-free Li-S electrodes. , 2022, , 99-119.		0
8	Tunable oxygen vacancy concentration in vanadium oxide as mass-produced cathode for aqueous zinc-ion batteries. <i>Nano Research</i> , 2021, 14, 754-761.	10.4	96
9	A sustainable strategy for fabricating porous carbon supported Sn submicron spheres by self-generated Na ₂ CO ₃ as templates for lithium-ion battery anode. <i>Green Chemistry</i> , 2021, 23, 6490-6500.	9.0	14
10	Dendrite-free lithium metal anode enabled by ion/electron-conductive N-doped 3D carbon fiber interlayer. <i>Journal of Power Sources</i> , 2021, 489, 229524.	7.8	27
11	Uniform Zn Deposition Achieved by Ag Coating for Improved Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16869-16875.	8.0	129
12	Vanadium Pentoxide Nanofibers/Carbon Nanotubes Hybrid Film for High-Performance Aqueous Zinc-Ion Batteries. <i>Nanomaterials</i> , 2021, 11, 1054.	4.1	26
13	A metal–organic framework derived electrical insulating–conductive double-layer configuration for stable lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13661-13669.	10.3	20
14	Vanadium pentoxide nanosheets as cathodes for aqueous zinc-ion batteries with high rate capability and long durability. <i>Applied Surface Science</i> , 2020, 502, 144207.	6.1	66
15	Polypyrrole Wrapped V ₂ O ₅ Nanowires Composite for Advanced Aqueous Zinc-Ion Batteries. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	30
16	Mixed phase sodium manganese oxide as cathode for enhanced aqueous zinc-ion storage. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2214-2220.	3.5	9
17	A strategy associated with conductive binder and 3D current collector for aqueous zinc-ion batteries with high mass loading. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114395.	3.8	13
18	3D Ni/Na metal anode for improved sodium metal batteries. <i>Materials Letters</i> , 2020, 275, 128206.	2.6	35

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19	A novel organic-inorganic hybrid V ₂ O ₅ @polyaniline as high-performance cathode for aqueous zinc-ion batteries. <i>Materials Letters</i> , 2020, 272, 127813.	2.6	35
20	CoS ₂ impregnated in mesoporous carbon hollow spheres as polysulfide trapper for highly stable Li-S batteries. <i>Materials Letters</i> , 2019, 254, 312-315.	2.6	8
21	Composite of manganese dioxide impregnated in porous hollow carbon spheres for flexible asymmetric solid-state supercapacitors. <i>International Journal of Energy Research</i> , 2019, 43, 9025-9033.	4.5	12
22	Vanadium Pentoxide Nanosheets in-Situ Spaced with Acetylene Black as Cathodes for High-Performance Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41297-41303.	8.0	62
23	Freestanding reduced graphene oxide/sodium vanadate composite films for flexible aqueous zinc-ion batteries. <i>Science China Chemistry</i> , 2019, 62, 609-615.	8.2	51
24	Large-Area Reduced Graphene Oxide Composite Films for Flexible Asymmetric Sandwich and Microsized Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1707247.	14.9	103
25	Aqueous rechargeable zinc/sodium vanadate batteries with enhanced performance from simultaneous insertion of dual carriers. <i>Nature Communications</i> , 2018, 9, 1656.	12.8	1,162
26	Dual-Functional Graphene Carbon as Polysulfide Trapper for High-Performance Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5594-5602.	8.0	83
27	All-solid-state supercapacitors with superior compressive strength and volumetric capacitance. <i>Energy Storage Materials</i> , 2018, 13, 119-126.	18.0	21
28	An Aqueous Rechargeable Zinc-Organic Battery with Hybrid Mechanism. <i>Advanced Functional Materials</i> , 2018, 28, 1804975.	14.9	462
29	An All-Freeze-Casting Strategy to Design Topographical Supercapacitors with Integrated Architectures. <i>Small</i> , 2018, 14, e1800280.	10.0	21
30	Freestanding carbon fiber cloth/sulfur composites for flexible room-temperature sodium-sulfur batteries. <i>Energy Storage Materials</i> , 2017, 8, 77-84.	18.0	175
31	Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1604639.	14.9	83
32	Highly stretchable integrated system for micro-supercapacitor with AC line filtering and UV detector. <i>Nano Energy</i> , 2017, 42, 187-194.	16.0	85
33	A Consecutive Spray Printing Strategy to Construct and Integrate Diverse Supercapacitors on Various Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28612-28619.	8.0	41
34	A Flexible Nanostructured Paper of a Reduced Graphene Oxide-Sulfur Composite for High-Performance Lithium-Sulfur Batteries with Unconventional Configurations. <i>Advanced Materials</i> , 2016, 28, 9629-9636.	21.0	308
35	Synthesis of magnetic thermosensitive microcontainers for enzyme immobilization. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	9
36	Mandelic acid chiral separation utilizing a two-phase partitioning bioreactor built by polysulfone microspheres and immobilized enzymes. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 429-435.	3.4	4

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37	Facile synthesis of oxidic PEG-modified magnetic polydopamine nanospheres for <i>Candida rugosa</i> lipase immobilization. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1249-1259.	3.6	36
38	Preparation and Characterization of Magnetic Microspheres with an Epoxy Group Coating and Their Applications for Lipase Immobilization. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1348-1363.	1.0	6
39	Preparation of Superparamagnetic Fe ₃ O ₄ @Alginate/Chitosan Nanospheres for <i>Candida rugosa</i> lipase Immobilization and Utilization of Layer-by-Layer Assembly to Enhance the Stability of Immobilized Lipase. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5169-5178.	8.0	110
40	Freestanding V ₅ O ₁₂ ·6H ₂ O@CNTs composite films as cathode for foldable aqueous zinc-ion batteries. <i>International Journal of Energy Research</i> , 0, , .	4.5	3
41	Environment-friendly synthesis of tin encapsulated within cotton-like carbon as anode materials for lithium-ion batteries. <i>Modern Physics Letters B</i> , 0, , .	1.9	0