

Feifei 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.

49
papers

1,754
citations

20
h-index

41
g-index

51
ext. papers

2,084
ext. citations

9.7
avg, IF

5.06
L-index

#	Paper	IF	Citations
49	In-situ growing low-crystalline Co ₉ S ₈ Ni ₃ S ₂ nanohybrid on carbon cloth as a highly active and ultrastable electrode for the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2022 , 402, 139558	6.7	2
48	Diverse-shaped tin dioxide nanoparticles within a plastic waste-derived three-dimensional porous carbon framework for super stable lithium-ion storage.. <i>Science of the Total Environment</i> , 2022 , 815, 152900	10.2	1
47	Redox-Mediated Two-Electron Oxygen Reduction Reaction with Ultrafast Kinetics for Zn-Air Flow Battery (Adv. Energy Mater. 10/2022). <i>Advanced Energy Materials</i> , 2022 , 12, 2270042	21.8	
46	Membrane fouling in aqueous redox flow batteries. <i>Journal of Power Sources</i> , 2022 , 527, 231180	8.9	1
45	Branched Poly(l-lysine)-Derived Nitrogen-Containing Porous Carbon Flake as the Metal-Free Electrocatalyst toward Efficient Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3317-3326	6.1	7
44	Redox-Mediated Water Splitting for Decoupled H ₂ Production 2021 , 3, 641-651		13
43	Redox-Mediated Ambient Electrolytic Nitrogen Reduction for Hydrazine and Ammonia Generation. <i>Angewandte Chemie</i> , 2021 , 133, 18869-18875	3.6	1
42	A high-performance battery-like supercapacitor electrode with a continuous NiTe network skeleton running throughout Co(OH) ₂ /Co ₉ S ₈ nanohybrid. <i>Electrochimica Acta</i> , 2021 , 365, 137325	6.7	19
41	Redox Targeting-Based Thermally Regenerative Electrochemical Cycle Flow Cell for Enhanced Low-Grade Heat Harnessing. <i>Advanced Materials</i> , 2021 , 33, e2006234	24	8
40	Decoupled Redox Catalytic Hydrogen Production with a Robust Electrolyte-Borne Electron and Proton Carrier. <i>Journal of the American Chemical Society</i> , 2021 , 143, 223-231	16.4	20
39	Flow Cells: Redox Targeting-Based Thermally Regenerative Electrochemical Cycle Flow Cell for Enhanced Low-Grade Heat Harnessing (Adv. Mater. 5/2021). <i>Advanced Materials</i> , 2021 , 33, 2170031	24	1
38	Redox-Mediated Ambient Electrolytic Nitrogen Reduction for Hydrazine and Ammonia Generation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18721-18727	16.4	11
37	Redox Targeting of Energy Materials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2021 , e2104562	24	5
36	Redox targeting of energy materials. <i>Current Opinion in Electrochemistry</i> , 2021 , 29, 100743	7.2	5
35	Spatially decoupled hydrogen evolution in alkaline conditions with a redox targeting-based flow battery. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18888-18894	6.7	6
34	Unusual allyl diazoacetate/acrolein copolymer-based hydrogels as promising antimicrobial agents for effective bacteria therapy. <i>Chemical Engineering Journal</i> , 2020 , 388, 124114	14.7	3
33	A robust anionic sulfonated ferrocene derivative for pH-neutral aqueous flow battery. <i>Energy Storage Materials</i> , 2020 , 29, 216-222	19.4	24

32	Ni ₃ S ₂ nanorods growing directly on Ni foam for all-solid-state asymmetric supercapacitor and efficient overall water splitting. <i>Journal of Energy Chemistry</i> , 2020 , 46, 178-186	12	62
31	Successive ionic layer adsorption and reaction-deposited copper sulfide electrocatalyst for high-power polysulfide-based aqueous flow batteries. <i>Materials Today Energy</i> , 2020 , 18, 100540	7	5
30	Unravel the Catalytic Effect of Two-Dimensional Metal Sulfides on Polysulfide Conversions for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43560-43567	9.5	23
29	Redox Targeting-Based Vanadium Redox-Flow Battery. <i>ACS Energy Letters</i> , 2019 , 4, 3028-3035	20.1	36
28	A facile method to fabricate an antimicrobial coating based on poly(1-vinyl-3-allylimidazolium iodide) (PAVI) and poly(ethylene glycol) dimethyl acrylate (PEGDMA). <i>Polymer Bulletin</i> , 2019 , 76, 5433-5449	2.4	2
27	Redox-targeted catalysis for vanadium redox-flow batteries. <i>Nano Energy</i> , 2018 , 52, 292-299	17.1	30
26	Insight of Enhanced Redox Chemistry for Porous MoO ₃ Carbon-Derived Framework as Polysulfide Reservoir in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42286-42293	9.5	23
25	Formation of Mo-Polydopamine Hollow Spheres and Their Conversions to MoO ₃ /C and Mo ₂ C/C for Efficient Electrochemical Energy Storage and Catalyst. <i>Small</i> , 2017 , 13, 1701246	11	96
24	Yolk@Shell or Concave Cubic NiO-CoO@C Nanocomposites Derived from Metal-Organic Frameworks for Advanced Lithium-Ion Battery Anodes. <i>Inorganic Chemistry</i> , 2017 , 56, 9794-9801	5.1	40
23	Highly uniform Co ₉ S ₈ nanoparticles grown on graphene nanosheets as advanced anode materials for improved Li-storage performance. <i>Applied Surface Science</i> , 2016 , 390, 86-91	6.7	13
22	Coated/Sandwiched rGO/CoS _x Composites Derived from Metal-Organic Frameworks/GO as Advanced Anode Materials for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 1467-74	4.8	51
21	Facile synthesis of CuS/rGO composite with enhanced electrochemical lithium-storage properties through microwave-assisted hydrothermal method. <i>Electrochimica Acta</i> , 2016 , 203, 238-245	6.7	41
20	FeS ₂ @C nanowires derived from organic-inorganic hybrid nanowires for high-rate and long-life lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 328, 56-64	8.9	62
19	Preparation of a graphitic N-doped multi-walled carbon nanotube composite for lithium-sulfur batteries with long-life and high specific capacity. <i>RSC Advances</i> , 2016 , 6, 76568-76574	3.7	9
18	SnO ₂ nanocrystals anchored on N-doped graphene for high-performance lithium storage. <i>Chemical Communications</i> , 2015 , 51, 3660-2	5.8	31
17	Mesoporous MFe ₂ O ₄ (M = Mn, Co, and Ni) for anode materials of lithium-ion batteries: Synthesis and electrochemical properties. <i>Materials Research Bulletin</i> , 2015 , 61, 195-200	5.1	18
16	A Facile Molten-Salt Route for Large-Scale Synthesis of NiFe ₂ O ₄ Nanoplates with Enhanced Lithium Storage Capability. <i>Chemistry - A European Journal</i> , 2015 , 21, 14140-5	4.8	29
15	Metal organic frameworks route to in situ insertion of multiwalled carbon nanotubes in Co ₃ O ₄ polyhedra as anode materials for lithium-ion batteries. <i>ACS Nano</i> , 2015 , 9, 1592-9	16.7	410

14	Preparation and electrochemical performances of LiFePO ₄ /C composite nanobelts via facile electrospinning. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 1040-1046	2.1	9
13	Core-shell NiFe ₂ O ₄ @TiO ₂ nanorods: an anode material with enhanced electrochemical performance for lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2014 , 20, 11214-9	4.8	58
12	Microwave-assisted hydrothermal synthesis of graphene-wrapped CuO hybrids for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 51362-51365	3.7	13
11	Controlled construction of hierarchical Co _{1-x} S structures as high performance anode materials for lithium ion batteries. <i>CrystEngComm</i> , 2014 , 16, 814-819	3.3	61
10	Hierarchical NiFe ₂ O ₄ /Fe ₂ O ₃ nanotubes derived from metal organic frameworks for superior lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8048-8053	13	203
9	Facile fabrication of mesoporous N-doped Fe ₃ O ₄ @C nanospheres as superior anodes for Li-ion batteries. <i>RSC Advances</i> , 2014 , 4, 713-716	3.7	15
8	Metal-organic framework derived Fe ₂ O ₃ @NiCo ₂ O ₄ porous nanocages as anode materials for Li-ion batteries. <i>Nanoscale</i> , 2014 , 6, 5509-15	7.7	147
7	Freestanding MnO ₂ @carbon papers air electrodes for rechargeable Li-O ₂ batteries. <i>Journal of Power Sources</i> , 2014 , 261, 311-316	8.9	49
6	Electrospinning fabrication and electrochemical properties of LiFePO ₄ /C composite nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4263-4269	2.1	15
5	Coaxial electrospinning fabrication and electrochemical properties of LiFePO ₄ /C/Ag composite hollow nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4718-4724	2.1	17
4	Preparation and characterization of MnFe ₂ O ₄ in the solvothermal process: Their magnetism and electrochemical properties. <i>Materials Research Bulletin</i> , 2013 , 48, 2511-2516	5.1	41
3	Preparation and performance of a sulfur/graphene composite for rechargeable lithium-sulfur battery. <i>Journal of Physics: Conference Series</i> , 2012 , 339, 012003	0.3	10
2	Redox-Mediated Two-Electron Oxygen Reduction Reaction with Ultrafast Kinetics for Zn/Air Flow Battery. <i>Advanced Energy Materials</i> , 2103622	21.8	4
1	The Redox-Mediated Nickel/Metal Hydride Flow Battery. <i>Advanced Energy Materials</i> , 2102866	21.8	4