

Fuyi Jiang

List of Publications by Year in descending order

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52
papers

3,253
citations

201575

27
h-index

175177

52
g-index

52
all docs

52
docs citations

52
times ranked

3102
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of I^{3+} Electrolyte Additive on the Electrochemical Performance of Zn Anodes and Zn/MnO_2 Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	20
2	Hierarchical $\text{1T-MoS}_2/\text{MoO}_x@NC$ microspheres as advanced anode materials for potassium/sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131113.	6.6	63
3	Rationally designed hierarchical N, P co-doped carbon connected $1T/2H\text{-MoS}_2$ heterostructures with cooperative effect as ultrafast and durable anode materials for efficient sodium storage. <i>Chemical Engineering Journal</i> , 2022, 433, 133778.	6.6	49
4	Electrochemically induced phase transition in a nanoflower vanadium tetrasulfide cathode for high-performance zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 69, 356-362.	7.1	56
5	Hierarchical dopamine-derived N-doped carbon-encapsulated iron oxide/sulfide hollow nanospheres for enhanced lithium-ion storage. <i>Ionics</i> , 2022, 28, 2143-2154.	1.2	7
6	Boosting Zn I_2 Battery's Performance by Coating a Zeolite-Based Cation-Exchange Protecting Layer. <i>Nano-Micro Letters</i> , 2022, 14, 82.	14.4	62
7	Long-life and efficient sodium metal anodes enabled by a sodiophilic matrix. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164762.	2.8	7
8	Molybdenum chalcogenides based anode materials for alkali metal ions batteries: Beyond lithium ion batteries. <i>Energy Storage Materials</i> , 2022, 50, 308-333.	9.5	46
9	In_2S_3 nanosheets array anchored on reduced graphene oxide as high-performance anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165506.	2.8	8
10	Spherical-graphite/nano- Mn_2O_3 composites as advanced anode materials for lithium half/full batteries. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157109.	2.8	20
11	Graphdiyne-supported palladium-iron nanosheets: A dual-functional peroxidase mimetic nanozyme for glutathione detection and antibacterial application. <i>Chemical Engineering Journal</i> , 2021, 413, 127537.	6.6	90
12	Straightforward preparation of $\text{Na}_2(\text{TiO})\text{SiO}_4$ hollow nanotubes as anodes for ultralong cycle life lithium ion battery. <i>Dalton Transactions</i> , 2021, 50, 2521-2529.	1.6	3
13	$\text{Ti}_3\text{C}_2\text{T}_x$ with a hydroxyl-rich surface for metal sulfides as high performance electrode materials for sodium/lithium storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14013-14024.	5.2	32
14	CoP Nanoparticles Intertwined with Graphene Nanosheets as a Superior Anode for Half/Full Sodium-ion Batteries. <i>ChemElectroChem</i> , 2021, 8, 2022-2027.	1.7	10
15	Establishing High-Performance Quasi-Solid Zn/I_2 Batteries with Alginate-Based Hydrogel Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24756-24764.	4.0	64
16	SnS_2 Nanosheets with RGO Modification as High-Performance Anode Materials for Na-Ion and K-Ion Batteries. <i>Nanomaterials</i> , 2021, 11, 1932.	1.9	13
17	Zn-Ce based bimetallic organic frameworks derived ZnSe/CeO_2 nanoparticles encapsulated by reduced graphene oxide for enhanced sodium-ion and lithium-ion storage. <i>Journal of Alloys and Compounds</i> , 2021, 875, 159903.	2.8	18
18	Superior Sodium Metal Anodes Enabled by Sodiophilic Carbonized Coconut Framework with 3D Tubular Structure. <i>Advanced Energy Materials</i> , 2021, 11, 2003699.	10.2	77

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19	Ferroferric oxide nanoclusters decorated Ti3C2Tx nanosheets as high performance anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2020, 329, 135146.	2.6	41
20	A Longâ€Life Batteryâ€Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020, 4, 1900425.	3.1	37
21	A simple, low-cost and scale-up synthesis strategy of spherical-graphite/Fe2O3 composites as high-performance anode materials for half/full lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153719.	2.8	38
22	Improved electrochemical performance of 2D accordion-like MnV₂O₆ nanosheets as anode materials for Li-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 1794-1802.	1.6	41
23	Subsequent monitoring of ferric ion and ascorbic acid using graphdiyne quantum dots-based optical sensors. <i>Mikrochimica Acta</i> , 2020, 187, 657.	2.5	30
24	Willowâ€Leafâ€Like ZnSe@Nâ€Doped Carbon Nanoarchitecture as a Stable and Highâ€Performance Anode Material for Sodiumâ€Ion and Potassiumâ€Ion Batteries. <i>Small</i> , 2020, 16, e2004580.	5.2	106
25	Rechargeable Aqueous Zincâ€Ion Batteries with Mild Electrolytes: A Comprehensive Review. <i>Batteries and Supercaps</i> , 2020, 3, 966-1005.	2.4	68
26	A Longâ€Life Batteryâ€Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020, 4, 2070036.	3.1	27
27	Pseudocapacitance boosted N-doped carbon coated Fe7S8 nanoaggregates as promising anode materials for lithium and sodium storage. <i>Nano Research</i> , 2020, 13, 691-700.	5.8	93
28	NIR-triggered photocatalytic/photothermal/photodynamic water remediation using eggshell-derived CaCO3/CuS nanocomposites. <i>Chemical Engineering Journal</i> , 2020, 388, 124304.	6.6	75
29	Lithium tungsten bronze modified carbon fiber membrane current collectors for dendrite-free metal lithium anodes. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2020, 50, 562-570.	0.3	1
30	Quasi-Isolated Au Particles as Heterogeneous Seeds To Guide Uniform Zn Deposition for Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 6490-6496.	2.5	247
31	Fe3O4 Hollow Nanosphere-Coated Spherical-Graphite Composites: A High-Rate Capacity and Ultra-Long Cycle Life Anode Material for Lithium Ion Batteries. <i>Nanomaterials</i> , 2019, 9, 996.	1.9	15
32	Facile synthesis of lotus seedpod-based 3D hollow porous activated carbon/manganese dioxide composite for supercapacitor electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 853, 113561.	1.9	34
33	ZnFe2O4 nanoparticles decorated Ti3C2Tx nanosheet as anode materials for enhanced lithium storage. <i>Materials Letters</i> , 2019, 253, 162-165.	1.3	9
34	A photo-/thermo-dual-responsible Cs_xWO₃/PNIPAM composite hydrogel for energy-efficient windows. <i>Materials Research Express</i> , 2019, 6, 085708.	0.8	7
35	Ultrasml MoS₃ Loaded GO Nanocomposites as Highâ€Rate and Longâ€Cycleâ€Life Anode Materials for Lithiumâ€and Sodiumâ€Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 3113-3119.	1.7	27
36	Dendrite-free and long-life Na metal anode achieved by 3D porous Cu. <i>Electrochimica Acta</i> , 2019, 309, 18-24.	2.6	51

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37	Nano-SiO ₂ coating enabled uniform Na stripping/plating for dendrite-free and long-life sodium metal batteries. <i>Nanoscale Advances</i> , 2019, 1, 4989-4994.	2.2	14
38	Biological cell template synthesis of nitrogen-doped porous hollow carbon spheres/MnO ₂ composites for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2019, 296, 907-915.	2.6	365
39	Carbon-coated hierarchical spinel Fe _{1.5} V _{1.5} O ₄ nanorods: A promising anode material for enhanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2018, 746, 108-115.	2.8	17
40	Hierarchical Fe ₃ O ₄ @NC composites: ultra-long cycle life anode materials for lithium ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 2127-2136.	1.7	29
41	Recycled Carbon Fiber-Supported Polyaniline/Manganese Dioxide Prepared via One-Step Electrodeposition for Flexible Supercapacitor Integrated Electrodes. <i>Polymers</i> , 2018, 10, 1152.	2.0	13
42	Three-Dimensional SnS Decorated Carbon Nano-Networks as Anode Materials for Lithium and Sodium Ion Batteries. <i>Nanomaterials</i> , 2018, 8, 135.	1.9	27
43	Nanoporous CaCO ₃ Coatings Enabled Uniform Zn Stripping/Plating for Long-Life Zinc Rechargeable Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801090.	10.2	869
44	Fe ₇ S ₈ nanoparticles attached carbon networks as anode materials for both lithium and sodium ion batteries. <i>Chemical Physics Letters</i> , 2018, 706, 273-279.	1.2	42
45	Investigation of zinc ion storage of transition metal oxides, sulfides, and borides in zinc ion battery systems. <i>Chemical Communications</i> , 2017, 53, 6872-6874.	2.2	147
46	Vanadium sulfide sub-microspheres: A new near-infrared-driven photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 442-448.	5.0	35
47	TiO ₂ Nanobelt@Co ₉ S ₈ Composites as Promising Anode Materials for Lithium and Sodium Ion Batteries. <i>Nanomaterials</i> , 2017, 7, 252.	1.9	26
48	Synthesis and magnetic characterizations of uniform iron oxide nanoparticles. <i>Physica B: Condensed Matter</i> , 2014, 443, 1-5.	1.3	15
49	Fabrication of iron oxide/silica core-shell nanoparticles and their magnetic characteristics. <i>Journal of Alloys and Compounds</i> , 2012, 543, 43-48.	2.8	37
50	Incorporation of iodine into the channels of AlPO ₄₋₅ crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1552-1555.	1.9	10
51	Single crystal growth of MgB ₂ by evaporating Mg-flux method. <i>Journal of Crystal Growth</i> , 2006, 289, 626-629.	0.7	5
52	Edge dislocation and superstructure in MgB ₂ superconducting crystals. <i>Superconductor Science and Technology</i> , 2005, 18, 1513-1516.	1.8	10