

# 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	Nanoporous CaCO <sub>3</sub> Coatings Enabled Uniform Zn Stripping/Plating for Long-Life Zinc Rechargeable Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801090.	10.2	869
2	Biological cell template synthesis of nitrogen-doped porous hollow carbon spheres/MnO <sub>2</sub> composites for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2019, 296, 907-915.	2.6	365
3	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
4	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
5	Willow-Leaf-Like ZnSe@N-Doped Carbon Nanoarchitecture as a Stable and High-Performance Anode Material for Sodium-Ion and Potassium-Ion Batteries. <i>Small</i> , 2020, 16, e2004580.	5.2	106
6	Pseudocapacitance boosted N-doped carbon coated Fe <sub>7</sub> S <sub>8</sub> nanoaggregates as promising anode materials for lithium and sodium storage. <i>Nano Research</i> , 2020, 13, 691-700.	5.8	93
7	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
8	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
9	NIR-triggered photocatalytic/photothermal/photodynamic water remediation using eggshell-derived CaCO <sub>3</sub> /CuS nanocomposites. <i>Chemical Engineering Journal</i> , 2020, 388, 124304.	6.6	75
10	Rechargeable Aqueous Zinc-Ion Batteries with Mild Electrolytes: A Comprehensive Review. <i>Batteries and Supercaps</i> , 2020, 3, 966-1005.	2.4	68
11	Establishing High-Performance Quasi-Solid Zn/I <sub>2</sub> Batteries with Alginate-Based Hydrogel Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24756-24764.	4.0	64
12	Hierarchical 1T-MoS <sub>2</sub> /MoO <sub>x</sub> @NC microspheres as advanced anode materials for potassium/sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131113.	6.6	63
13	Boosting Zn   I <sub>2</sub> Battery's Performance by Coating a Zeolite-Based Cation-Exchange Protecting Layer. <i>Nano-Micro Letters</i> , 2022, 14, 82.	14.4	62
14	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
15	Dendrite-free and long-life Na metal anode achieved by 3D porous Cu. <i>Electrochimica Acta</i> , 2019, 309, 18-24.	2.6	51
16	Rationally designed hierarchical N, P co-doped carbon connected 1T/2H-MoS <sub>2</sub> 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
17	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
18	Fe <sub>7</sub> S <sub>8</sub> 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

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19	Ferroferric oxide nanoclusters decorated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> nanosheets as high performance anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2020, 329, 135146.	2.6	41
20	Improved electrochemical performance of 2D accordion-like MnV <sub>2</sub> O <sub>6</sub> nanosheets as anode materials for Li-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 1794-1802.	1.6	41
21	A simple, low-cost and scale-up synthesis strategy of spherical-graphite/Fe <sub>2</sub> O <sub>3</sub> 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	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
23	A Long-Life Battery-Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020, 4, 1900425.	3.1	37
24	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
25	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
26	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> 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
27	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
28	Hierarchical Fe <sub>3</sub> O <sub>4</sub> @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
29	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
30	Ultrasmall MoS <sub>3</sub> Loaded GO Nanocomposites as High-Rate and Long-Cycle-Life Anode Materials for Lithium and Sodium Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 3113-3119.	1.7	27
31	A Long-Life Battery-Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020, 4, 2070036.	3.1	27
32	TiO <sub>2</sub> Nanobelt@Co <sub>9</sub> S <sub>8</sub> Composites as Promising Anode Materials for Lithium and Sodium Ion Batteries. <i>Nanomaterials</i> , 2017, 7, 252.	1.9	26
33	Spherical-graphite/nano-Mn <sub>2</sub> O <sub>3</sub> composites as advanced anode materials for lithium half/full batteries. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157109.	2.8	20
34	Effects of I <sub>3</sub> <sup>-</sup> Electrolyte Additive on the Electrochemical Performance of Zn Anodes and Zn/MnO <sub>2</sub> Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	20
35	Zn-Ce based bimetallic organic frameworks derived ZnSe/CeO <sub>2</sub> 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
36	Carbon-coated hierarchical spinel Fe <sub>1.5</sub> V <sub>1.5</sub> O <sub>4</sub> nanorods: A promising anode material for enhanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2018, 746, 108-115.	2.8	17

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37	Synthesis and magnetic characterizations of uniform iron oxide nanoparticles. <i>Physica B: Condensed Matter</i> , 2014, 443, 1-5.	1.3	15
38	Fe <sub>3</sub> O <sub>4</sub> 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
39	Nano-SiO <sub>2</sub> 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
40	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
41	SnS <sub>2</sub> 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
42	Edge dislocation and superstructure in MgB <sub>2</sub> superconducting crystals. <i>Superconductor Science and Technology</i> , 2005, 18, 1513-1516.	1.8	10
43	Incorporation of iodine into the channels of AlPO <sub>4-5</sub> crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1552-1555.	1.9	10
44	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
45	ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles decorated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> nanosheet as anode materials for enhanced lithium storage. <i>Materials Letters</i> , 2019, 253, 162-165.	1.3	9
46	In <sub>2</sub> S <sub>3</sub> 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
47	A photo-/thermo-dual-responsive Cs <sub>x</sub> WO <sub>3</sub> /PNIPAM composite hydrogel for energy-efficient windows. <i>Materials Research Express</i> , 2019, 6, 085708.	0.8	7
48	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
49	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
50	Single crystal growth of MgB <sub>2</sub> by evaporating Mg-flux method. <i>Journal of Crystal Growth</i> , 2006, 289, 626-629.	0.7	5
51	Straightforward preparation of Na <sub>2</sub> (TiO)SiO <sub>4</sub> hollow nanotubes as anodes for ultralong cycle life lithium ion battery. <i>Dalton Transactions</i> , 2021, 50, 2521-2529.	1.6	3
52	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