

# Jiangmin Jiang

## List of Publications by Year in descending order

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37  
papers

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citations

257357

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times ranked

2413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pencil Drawing Stable Interface for Reversible and Durable Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2006495.	7.8	153
2	MoS <sub>2</sub> Nanosheet-Decorated 2D Titanium Carbide (MXene) as High-Performance Anodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 1560-1565.	1.7	123
3	Mesoporous Silicon Anodes by Using Polybenzimidazole Derived Pyrrolic N-Enriched Carbon toward High-Energy Li-Ion Batteries. <i>ACS Energy Letters</i> , 2017, 2, 1279-1287.	8.8	122
4	A novel aqueous ammonium dual-ion battery based on organic polymers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11314-11320.	5.2	99
5	Engineering Ultrathin MoS <sub>2</sub> Nanosheets Anchored on N-Doped Carbon Microspheres with Pseudocapacitive Properties for High-Performance Lithium-Ion Capacitors. <i>Small Methods</i> , 2019, 3, 1900081.	4.6	96
6	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23283-23291.	5.2	94
7	High-Voltage LiNi <sub>0.45</sub> Cr <sub>0.1</sub> Mn <sub>1.45</sub> O <sub>4</sub> Cathode with Superlong Cycle Performance for Wide Temperature Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704808.	7.8	91
8	Sodium-Ion capacitors: Materials, Mechanism, and Challenges. <i>ChemSusChem</i> , 2020, 13, 2522-2539.	3.6	90
9	Progress of Nanostructured Electrode Materials for Supercapacitors. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700110.	2.7	87
10	Effect of Graphene Modified Cu Current Collector on the Performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30926-30932.	4.0	81
11	3D Printed High-Loading Lithium-Sulfur Battery Toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1909469.	7.8	81
12	Emerging Potassium-Ion Hybrid Capacitors. <i>ChemSusChem</i> , 2020, 13, 5837-5862.	3.6	65
13	Lithiophilic polymer interphase anchored on laser-punched 3D holey Cu matrix enables uniform lithium nucleation leading to super-stable lithium metal anodes. <i>Energy Storage Materials</i> , 2020, 29, 84-91.	9.5	64
14	Hierarchical N-doped hollow carbon microspheres as advanced materials for high-performance lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3956-3966.	5.2	58
15	Defect-rich and N-doped hard carbon as a sustainable anode for high-energy lithium-ion capacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 75-83.	5.0	58
16	Cobalt-doping in hierarchical Ni <sub>3</sub> S <sub>2</sub> nanorod arrays enables high areal capacitance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13114-13120.	5.2	49
17	Aerosol-Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. <i>Small Methods</i> , 2018, 2, 1700272.	4.6	48
18	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. <i>Nano-Micro Letters</i> , 2020, 12, 183.	14.4	45

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19	Nitrogenated Urchin-like Nb <sub>2</sub> O <sub>5</sub> Microspheres with Extraordinary Pseudocapacitive Properties for Lithium-ion Capacitors. ChemElectroChem, 2018, 5, 1516-1524.	1.7	36
20	High Performance Aqueous Sodium-ion Capacitors Enabled by Pseudocapacitance of Layered MnO <sub>2</sub> . Energy Technology, 2018, 6, 2146-2153.	1.8	32
21	Enhanced Cycle Performance of Polyimide Cathode Using a Quasi-Solid-State Electrolyte. Journal of Physical Chemistry C, 2018, 122, 22294-22300.	1.5	30
22	Efficient Synthesis of N-Doped SiO <sub>2</sub> /C Composite Based on the Defect-Enriched Graphite Flake for Lithium-ion Battery. ACS Applied Energy Materials, 2020, 3, 4394-4402.	2.5	30
23	Boron and nitrogen dual-doped carbon as a novel cathode for high performance hybrid ion capacitors. Chinese Chemical Letters, 2018, 29, 624-628.	4.8	28
24	In Situ Tuning Residual Lithium Compounds and Constructing TiO <sub>2</sub> Coating for Surface Modification of a Nickel-Rich Cathode toward High-Energy Lithium-ion Batteries. ACS Applied Energy Materials, 2020, 3, 12423-12432.	2.5	26
25	Influence of electrolyte ions on rechargeable supercapacitor for high value-added conversion of low-grade waste heat. Journal of Power Sources, 2020, 465, 228263.	4.0	20
26	Fiber-in-tube and particle-in-tube hierarchical nanostructures enable high energy density of MnO <sub>2</sub> -based asymmetric supercapacitors. Journal of Colloid and Interface Science, 2021, 582, 543-551.	5.0	20
27	High-voltage Li <sub>2</sub> SiO <sub>3</sub> ·LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Hollow Spheres Prepared through In Situ Aerosol Spray Pyrolysis towards High-energy Li-ion Batteries. ChemElectroChem, 2018, 5, 1212-1218.	1.7	19
28	Effects of binder content on low-cost solvent-free electrodes made by dry-spraying manufacturing for lithium-ion batteries. Journal of Power Sources, 2021, 515, 230644.	4.0	19
29	Recent Progress and Prospects on Dendrite-free Engineerings for Aqueous Zinc Metal Anodes. Energy and Environmental Materials, 2023, 6, .	7.3	15
30	Electrospinning oxygen-vacant TiNb <sub>24</sub> O <sub>62</sub> nanowires simultaneously boosts electrons and ions transmission capacities toward superior lithium storage. Electrochimica Acta, 2021, 388, 138656.	2.6	14
31	Encapsulating silicon particles by graphitic carbon enables High-performance Lithium-ion batteries. Journal of Colloid and Interface Science, 2022, 607, 1562-1570.	5.0	13
32	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. ACS Applied Energy Materials, 2018, 1, 948-955.	2.5	12
33	Graphene scrolls coated Sb <sub>2</sub> S <sub>3</sub> nanowires as anodes for sodium and lithium ion batteries. Nano Structures Nano Objects, 2018, 15, 197-204.	1.9	12
34	Polydopamine grafted cross-linked polyacrylamide as robust binder for SiO <sub>2</sub> /C anode toward high-stability lithium-ion battery. Journal of Materials Science, 2021, 56, 6337-6348.	1.7	11
35	Encapsulating Oxygen-deficient TiNb <sub>24</sub> O <sub>62</sub> Microspheres by N-doped Carbon Nanolayer Boosts Capacity and Stability of Lithium-ion Battery. Batteries and Supercaps, 2020, 3, 1360-1369.	2.4	10
36	Aerosol-assisted preparation of N-doped hierarchical porous carbon spheres cathodes toward high-stable lithium-ion capacitors. Journal of Materials Science, 2020, 55, 13127-13140.	1.7	8

#	ARTICLE	IF	CITATIONS
37	Thermally Chargeable Proton Capacitor Based on Redox-Active Effect for Energy Storage and Low-Grade Heat Conversion. Energy and Environmental Materials, 2023, 6, .	7.3	4