

Jiangmin Jiang

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.

35
papers

1,096
citations

22
h-index

33
g-index

37
ext. papers

1,498
ext. citations

9.6
avg, IF

4.84
L-index

#	Paper	IF	Citations
35	Encapsulating silicon particles by graphitic carbon enables High-performance Lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1562-1570	9.3	0
34	Effects of binder content on low-cost solvent-free electrodes made by dry-spraying manufacturing for lithium-ion batteries. <i>Journal of Power Sources</i> , 2021 , 515, 230644	8.9	2
33	Fiber-in-tube and particle-in-tube hierarchical nanostructures enable high energy density of MnO-based asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 543-551	9.3	12
32	Pencil Drawing Stable Interface for Reversible and Durable Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2006495	15.6	55
31	Electrospinning oxygen-vacant TiNb ₂₄ O ₆₂ nanowires simultaneously boosts electrons and ions transmission capacities toward superior lithium storage. <i>Electrochimica Acta</i> , 2021 , 388, 138656	6.7	3
30	Polydopamine grafted cross-linked polyacrylamide as robust binder for SiO/C anode toward high-stability lithium-ion battery. <i>Journal of Materials Science</i> , 2021 , 56, 6337-6348	4.3	2
29	In Situ Tuning Residual Lithium Compounds and Constructing TiO ₂ Coating for Surface Modification of a Nickel-Rich Cathode toward High-Energy Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12423-12432	6.1	5
28	Influence of electrolyte ions on rechargeable supercapacitor for high value-added conversion of low-grade waste heat. <i>Journal of Power Sources</i> , 2020 , 465, 228263	8.9	9
27	Cobalt-doping in hierarchical Ni ₃ S ₂ nanorod arrays enables high areal capacitance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13114-13120	13	28
26	Aerosol-assisted preparation of N-doped hierarchical porous carbon spheres cathodes toward high-stable lithium-ion capacitors. <i>Journal of Materials Science</i> , 2020 , 55, 13127-13140	4.3	2
25	Sodium-ion capacitors: Materials, Mechanism, and Challenges. <i>ChemSusChem</i> , 2020 , 13, 2522-2539	8.3	58
24	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	13	27
23	3D Printed High-Loading Lithium-Sulfur Battery Toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 1909469	15.6	47
22	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	9.3	33
21	Efficient Synthesis of N-Doped SiO _x /C Composite Based on the Defect-Enriched Graphite Flake for Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4394-4402	6.1	18
20	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. <i>Nano-Micro Letters</i> , 2020 , 12, 183	19.5	26
19	Encapsulating Oxygen-Deficient TiNb ₂₄ O ₆₂ Microspheres by N-Doped Carbon Nanolayer Boosts Capacity and Stability of Lithium-Ion Battery. <i>Batteries and Supercaps</i> , 2020 , 3, 1360-1369	5.6	4

18	Emerging Potassium-ion Hybrid Capacitors. <i>ChemSusChem</i> , 2020 , 13, 5837-5862	8.3	29
17	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	19.4	28
16	Engineering Ultrathin MoS ₂ Nanosheets Anchored on N-Doped Carbon Microspheres with Pseudocapacitive Properties for High-Performance Lithium-Ion Capacitors. <i>Small Methods</i> , 2019 , 3, 1900081	12.8	64
15	A novel aqueous ammonium dual-ion battery based on organic polymers. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11314-11320	13	42
14	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 948-955	6.1	7
13	Boron and nitrogen dual-doped carbon as a novel cathode for high performance hybrid ion capacitors. <i>Chinese Chemical Letters</i> , 2018 , 29, 624-628	8.1	23
12	High-Voltage Li ₂ SiO ₃ LiNi _{0.5} Mn _{1.5} O ₄ Hollow Spheres Prepared through In Situ Aerosol Spray Pyrolysis towards High-Energy Li-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1212-1218	4.3	17
11	High Performance Aqueous Sodium-Ion Capacitors Enabled by Pseudocapacitance of Layered MnO ₂ . <i>Energy Technology</i> , 2018 , 6, 2146-2153	3.5	22
10	Nitrogenated Urchin-like Nb ₂ O ₅ Microspheres with Extraordinary Pseudocapacitive Properties for Lithium-Ion Capacitors. <i>ChemElectroChem</i> , 2018 , 5, 1516-1524	4.3	30
9	Progress of Nanostructured Electrode Materials for Supercapacitors. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700110	5.9	55
8	Aerosol-Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. <i>Small Methods</i> , 2018 , 2, 1700272	12.8	35
7	Graphene scrolls coated Sb ₂ S ₃ nanowires as anodes for sodium and lithium ion batteries. <i>Nano Structures Nano Objects</i> , 2018 , 15, 197-204	5.6	11
6	Enhanced Cycle Performance of Polyimide Cathode Using a Quasi-Solid-State Electrolyte. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22294-22300	3.8	22
5	High-Voltage LiNi _{0.45} Cr _{0.1} Mn _{1.45} O ₄ Cathode with Superlong Cycle Performance for Wide Temperature Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1704808	15.6	66
4	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	20.1	90
3	MoS ₂ -Nanosheet-Decorated 2D Titanium Carbide (MXene) as High-Performance Anodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1560-1565	4.3	92
2	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	13	66
1	Effect of Graphene Modified Cu Current Collector on the Performance of LiTiO Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30926-30932	9.5	65

