

Jizhang Chen

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.

82
papers

2,960
citations

30
h-index

52
g-index

85
ext. papers

3,850
ext. citations

9.2
avg, IF

5.87
L-index

#	Paper	IF	Citations
82	Flexible TiCT/Nanocellulose Hybrid Film as a Stable Zn-free Anode for Aqueous Hybrid Zn-Li Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4
81	Simplified Synthesis of Fluoride-Free TiCT via Electrochemical Etching toward High-Performance Electrochemical Capacitors.. <i>ACS Nano</i> , 2022 ,	16.7	13
80	Large areal capacity all-in-one lithium-ion battery based on boron-doped silicon/carbon hybrid anode material and cellulose framework.. <i>Journal of Colloid and Interface Science</i> , 2022 , 612, 679-688	9.3	0
79	Porous engineering enables one-dimensional Co O /C composite to enhance lithium storage. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163293	5.7	2
78	Cotton-derived cellulose film as a dendrite-inhibiting separator to stabilize the zinc metal anode of aqueous zinc ion batteries. <i>Energy Storage Materials</i> , 2022 , 44, 57-65	19.4	36
77	Nacre-inspired surface-engineered MXene/nanocellulose composite film for high-performance supercapacitors and zinc-ion capacitors. <i>Chemical Engineering Journal</i> , 2022 , 428, 131380	14.7	14
76	MnxOy embedded within CNT supporting porous carbon for enhanced lithium storage. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 160, 110317	3.9	1
75	Sorbitol-modified cellulose hydrogel electrolyte derived from wheat straws towards high-performance environmentally adaptive flexible zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 446, 137056	14.7	1
74	Interface Engineering of Silicon and Carbon by Forming a Graded Protective Sheath for High-Capacity and Long-Durable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15216-15225	9.5	15
73	Self-initiated coating of polypyrrole on MnO ₂ /Mn ₂ O ₃ nanocomposite for high-performance aqueous zinc-ion batteries. <i>Applied Surface Science</i> , 2021 , 545, 149041	6.7	11
72	Anatase TiO ₂ nanowires intertwined with CNT for conductive additive-free lithium-ion battery anodes. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 153, 110037	3.9	5
71	Enhancing the performance of manganous oxide nanoparticles for lithium storage by in-situ construction of porous carbon embedment. <i>Applied Surface Science</i> , 2021 , 552, 149531	6.7	1
70	Optimizing the electrolyte salt of aqueous zinc-ion batteries based on a high-performance calcium vanadate hydrate cathode material. <i>Journal of Energy Chemistry</i> , 2021 , 52, 377-384	12	18
69	Molten salt synthesis of MnO ₂ /Mn ₂ O ₃ nanocomposite as a high-performance cathode material for aqueous zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 54, 475-481	12	24
68	Developing improved electrolytes for aqueous zinc-ion batteries to achieve excellent cyclability and antifreezing ability. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 362-370	9.3	18
67	Enabling improved cycling stability of hollow SnO ₂ /C composite anode for lithium-ion battery by constructing a built-in porous carbon support. <i>Applied Surface Science</i> , 2021 , 537, 148052	6.7	11
66	High lithium storage performance of CoO with a distinctive dual-carbon-confined nanoarchitecture. <i>Nanoscale</i> , 2021 , 13, 12938-12950	7.7	2

65	Bulk boron doping and surface carbon coating enabling fast-charging and stable Si anodes: from thin film to thick Si electrodes. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3628-3636	13	9
64	Realizing an All-Round Hydrogel Electrolyte toward Environmentally Adaptive Dendrite-Free Aqueous Zn-MnO Batteries. <i>Advanced Materials</i> , 2021 , 33, e2007559	24	87
63	Fe-Based Anode Materials for Asymmetric Supercapacitors 2021 , 493-515		
62	Integrated design of aqueous zinc-ion batteries based on dendrite-free zinc microspheres/carbon nanotubes/nanocellulose composite film anode. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 389-397	9.3	10
61	Induction of planar Li growth with designed interphases for dendrite-free Li metal anodes. <i>Energy Storage Materials</i> , 2021 , 39, 250-258	19.4	14
60	Porous carbon assisted carbon nanotubes supporting Fe ₃ O ₄ nanoparticles for improved lithium storage. <i>Ceramics International</i> , 2021 , 47, 26092-26099	5.1	2
59	Porous carbon with carbon nanotube scaffold for embedding Cu ₂ O/Cu nanoparticles towards high lithium storage. <i>Chemical Physics Letters</i> , 2021 , 780, 138934	2.5	0
58	Stabilizing zinc deposition with sodium lignosulfonate as an electrolyte additive to improve the life span of aqueous zinc-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 486-494	9.3	6
57	Modifying the Zn anode with carbon black coating and nanofibrillated cellulose binder: A strategy to realize dendrite-free Zn-MnO batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 256-264	9.3	44
56	Anti-freezing flexible aqueous Zn/MnO ₂ batteries working at -35 °C enabled by a borax-crosslinked polyvinyl alcohol/glycerol gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6828-6841	13	104
55	Electrodeposition of MnO ₂ nanoflakes onto carbon nanotube film towards high-performance flexible quasi-solid-state Zn-MnO ₂ batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114392	4.1	17
54	The sandwiched buffer zone enables porous SnO ₂ @C micro-/nanospheres to toward high-performance lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2020 , 354, 136699	6.7	11
53	Facile fabrication of double-shelled hollow SnO ₂ @C nanoparticles with improved lithium storage via a novel heterogeneous template strategy. <i>Journal of Alloys and Compounds</i> , 2020 , 820, 153382	5.7	4
52	An environmentally adaptive quasi-solid-state zinc-ion battery based on magnesium vanadate hydrate with commercial-level mass loading and anti-freezing gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8397-8409	13	46
51	Self-sacrificing template strategy to facilitate prepare well-defined SnO ₂ @C quasi-hollow nanocubes for lithium-ion battery anode. <i>Applied Surface Science</i> , 2020 , 507, 145189	6.7	15
50	Nax(CuFeMn)O ₂ system as cathode materials for Na-ion batteries. <i>Nano Energy</i> , 2020 , 78, 105142	17.1	10
49	High-Performance Anti-freezing Flexible Zn-MnO Battery Based on Polyacrylamide/Graphene Oxide/Ethylene Glycol Gel Electrolyte. <i>Frontiers in Chemistry</i> , 2020 , 8, 603	5	20
48	Hybridizing η-Type MnO ₂ With Lignin-Derived Porous Carbon as a Stable Cathode Material for Aqueous Zn/MnO ₂ Batteries. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	6

47	Rendering Wood Veneers Flexible and Electrically Conductive through Delignification and Electroless Ni Plating. <i>Materials</i> , 2019 , 12,	3.5	2
46	Hybridizing E-type Na ₂ V ₂ O ₅ ·nH ₂ O with graphene towards high-performance aqueous zinc-ion batteries. <i>Electrochimica Acta</i> , 2019 , 321, 134689	6.7	29
45	Fe ₃ O ₄ nanoparticles in-situ embedded in porous carbon framework towards improved lithium storage. <i>Materials Chemistry and Physics</i> , 2019 , 227, 12-20	4.4	2
44	A self-healable and highly flexible supercapacitor integrated by dynamically cross-linked electro-conductive hydrogels based on nanocellulose-templated carbon nanotubes embedded in a viscoelastic polymer network. <i>Carbon</i> , 2019 , 149, 1-18	10.4	188
43	Investigation of Na ₃ V ₂ (PO ₄) ₂ O ₂ F as a sodium ion battery cathode material: Influences of morphology and voltage window. <i>Nano Energy</i> , 2019 , 60, 510-519	17.1	40
42	Etching-free template synthesis of double-shelled hollow SiO ₂ @SnO ₂ @C composite as high performance lithium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2019 , 809, 151793	5.7	18
41	Improving the lithium storage performance of SnO ₂ nanoparticles by in-situ embedding into a porous carbon framework. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 224-230	5.7	11
40	Walnut core-like hollow carbon micro/nanospheres supported SnO@C composite for high performance lithium-ion battery anode. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 424-432	9.3	10
39	Flexible free-standing paper electrodes based on reduced graphene oxide/E-Na ₂ V ₂ O ₅ ·nH ₂ O nanocomposite for high-performance aqueous zinc-ion batteries. <i>Electrochimica Acta</i> , 2019 , 328, 135137	6.7	30
38	High-performance flexible and self-healable quasi-solid-state zinc-ion hybrid supercapacitor based on borax-crosslinked polyvinyl alcohol/nanocellulose hydrogel electrolyte. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26524-26532	13	90
37	Rod-like anhydrous VO ₂ assembled by tiny nanosheets as a high-performance cathode material for aqueous zinc-ion batteries.. <i>RSC Advances</i> , 2019 , 9, 30556-30564	3.7	22
36	Cotton stalk-derived carbon fiber@Ni-Al layered double hydroxide nanosheets with improved performances for supercapacitors. <i>Applied Surface Science</i> , 2019 , 475, 372-379	6.7	36
35	A new hybrid strategy for fabricating titanium dioxide/tin dioxide/carbon composites with outstanding lithium-ion storage. <i>Chemical Engineering Journal</i> , 2018 , 342, 266-273	14.7	16
34	Fabrication of three-dimensional carbon coating for SnO ₂ /TiO ₂ hybrid anode material of lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 282, 38-47	6.7	36
33	Enhancing pseudocapacitive kinetics of nanostructured MnO ₂ through anchoring onto biomass-derived porous carbon. <i>Applied Surface Science</i> , 2018 , 440, 1027-1036	6.7	36
32	Decorating biomass-derived porous carbon with Fe ₂ O ₃ ultrathin film for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018 , 261, 198-205	6.7	39
31	A robust strategy for stabilizing SnO ₂ : TiO ₂ -supported and carbon-immobilized TiO ₂ /SnO ₂ /C composite towards improved lithium storage. <i>Electrochimica Acta</i> , 2018 , 259, 815-821	6.7	11
30	Sequentially-processed Na ₃ V ₂ (PO ₄) ₃ for cathode material of aprotic sodium ion battery. <i>Nano Energy</i> , 2018 , 50, 323-330	17.1	28

29	Integrated paper electrodes derived from cotton stalks for high-performance flexible supercapacitors. <i>Nano Energy</i> , 2018 , 53, 337-344	17.1	103
28	Wearable high-performance supercapacitors based on Ni-coated cotton textile with low-crystalline Ni-Al layered double hydroxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 342-348	8.3	36
27	Facile fabrication of robust TiO ₂ @SnO ₂ @C hollow nanobelts for outstanding lithium storage. <i>Journal of Power Sources</i> , 2018 , 376, 1-10	8.9	27
26	Improving the sodiation performance of Na ₂ Ti ₃ O ₇ through Nb-doping. <i>Electrochimica Acta</i> , 2017 , 224, 446-451	6.7	24
25	Fabrication of TiO ₂ in-situ decorated and hierarchical Li ₄ Ti ₅ O ₁₂ for improved lithium storage. <i>Electrochimica Acta</i> , 2017 , 231, 670-676	6.7	8
24	The smart fabrication of interconnected microspheres constructed by Li ₄ Ti ₅ O ₁₂ regular nanosheets and their lithium storage properties. <i>Materials Letters</i> , 2017 , 194, 118-121	3.3	8
23	Evaluating biomass-derived hierarchically porous carbon as the positive electrode material for hybrid Na-ion capacitors. <i>Journal of Power Sources</i> , 2017 , 342, 48-55	8.9	64
22	Hybridizing Fe ₃ O ₄ nanocrystals with nitrogen-doped carbon nanowires for high-performance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 48039-48046	3.7	15
21	Pyrite FeS ₂ nanobelts as high-performance anode material for aqueous pseudocapacitor. <i>Electrochimica Acta</i> , 2016 , 222, 172-176	6.7	40
20	Thin Film Electrochemical Capacitors Based on Organolead Triiodide Perovskite. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600114	6.4	23
19	Amorphous nanostructured FeOOH and Co/Ni double hydroxides for high-performance aqueous asymmetric supercapacitors. <i>Nano Energy</i> , 2016 , 21, 145-153	17.1	196
18	Nitrogen-doped hierarchically porous carbon foam: A free-standing electrode and mechanical support for high-performance supercapacitors. <i>Nano Energy</i> , 2016 , 25, 193-202	17.1	229
17	Facile and scalable fabrication of three-dimensional Cu(OH) ₂ nanoporous nanorods for solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17385-17391	13	90
16	Template-grown graphene/porous Fe ₂ O ₃ nanocomposite: A high-performance anode material for pseudocapacitors. <i>Nano Energy</i> , 2015 , 15, 719-728	17.1	95
15	The electrochemical and local structural analysis of the mesoporous Li ₄ Ti ₅ O ₁₂ anode. <i>Journal of Power Sources</i> , 2014 , 268, 294-300	8.9	20
14	Carbon nanowires@ultrathin SnO ₂ nanosheets@carbon composite and its lithium storage properties. <i>Journal of Power Sources</i> , 2014 , 246, 587-595	8.9	26
13	Sn-contained N-rich carbon nanowires for high-capacity and long-life lithium storage. <i>Electrochimica Acta</i> , 2014 , 127, 390-396	6.7	31
12	Facile fabrication of Si mesoporous nanowires for high-capacity and long-life lithium storage. <i>Nanoscale</i> , 2013 , 5, 10623-8	7.7	25

11	Mesoporous TiO ₂ -Sn@C core-shell microspheres for Li-ion batteries. <i>Chemical Communications</i> , 2013 , 49, 2792-4	5.8	67
10	Facile fabrication of graphene/Cu ₆ Sn ₅ nanocomposite as the high performance anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 105, 629-634	6.7	36
9	Three-dimensional core-shell Cu@Cu ₆ Sn ₅ nanowires as the anode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 199, 341-345	8.9	22
8	Synthesis of hierarchical mesoporous nest-like Li ₄ Ti ₅ O ₁₂ for high-rate lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 200, 59-66	8.9	115
7	Synthesis of mesoporous SnCu composite for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 209, 204-208	8.9	35
6	Ordered mesoporous SnCu composite as an anode material for lithium ion batteries. <i>Electrochemistry Communications</i> , 2011 , 13, 848-851	5.1	43
5	Facile fabrication of hierarchical hollow microspheres assembled by titanate nanotubes. <i>Langmuir</i> , 2010 , 26, 10111-4	4	36
4	Electrochemical lithium storage of TiO ₂ hollow microspheres assembled by nanotubes. <i>Journal of Power Sources</i> , 2010 , 195, 6893-6896	8.9	40
3	Synthesis of sawtooth-like Li ₄ Ti ₅ O ₁₂ nanosheets as anode materials for Li-ion batteries. <i>Electrochimica Acta</i> , 2010 , 55, 6596-6600	6.7	156
2	Emerging patterns of hookworm infection: influence of aging on the intensity of Necator infection in Hainan Province, People's Republic of China. <i>Clinical Infectious Diseases</i> , 2002 , 35, 1336-44	11.6	122
1	Liquid-phase sintering enabling mixed ionic-electronic interphases and free-standing composite cathode architecture toward high energy solid-state battery. <i>Nano Research</i> , 1	10	0