Jizhang Chen

List of Publications by Citations

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	Nitrogen-doped hierarchically porous carbon foam: A free-standing electrode and mechanical support for high-performance supercapacitors. *Nano Energy*, **2016**, 25, 193-202	17.1	229
81	Amorphous nanostructured FeOOH and CoNi double hydroxides for high-performance aqueous asymmetric supercapacitors. *Nano Energy*, **2016**, 21, 145-153	17.1	196
80	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. *Carbon*, **2019**, 149, 1-18	10.4	188
79	Synthesis of sawtooth-like Li4Ti5O12 nanosheets as anode materials for Li-ion batteries. *Electrochimica Acta*, **2010**, 55, 6596-6600	6.7	156
78	Emerging patterns of hookworm infection: influence of aging on the intensity of Necator infection in Hainan Province, People's Republic of China. *Clinical Infectious Diseases*, **2002**, 35, 1336-44	11.6	122
77	Synthesis of hierarchical mesoporous nest-like Li4Ti5O12 for high-rate lithium ion batteries. *Journal of Power Sources*, **2012**, 200, 59-66	8.9	115
76	Anti-freezing flexible aqueous Zn–MnO2 batteries working at −35 °C enabled by a borax-crosslinked polyvinyl alcohol/glycerol gel electrolyte. *Journal of Materials Chemistry A*, **2020**, 8, 6828-6841	13	104
75	Integrated paper electrodes derived from cotton stalks for high-performance flexible supercapacitors. *Nano Energy*, **2018**, 53, 337-344	17.1	103
74	Template-grown graphene/porous Fe2O3 nanocomposite: A high-performance anode material for pseudocapacitors. *Nano Energy*, **2015**, 15, 719-728	17.1	95
73	Facile and scalable fabrication of three-dimensional Cu(OH)2 nanoporous nanorods for solid-state supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 17385-17391	13	90
72	High-performance flexible and self-healable quasi-solid-state zinc-ion hybrid supercapacitor based on borax-crosslinked polyvinyl alcohol/nanocellulose hydrogel electrolyte. *Journal of Materials Chemistry A*, **2019**, 7, 26524-26532	13	90
71	Realizing an All-Round Hydrogel Electrolyte toward Environmentally Adaptive Dendrite-Free Aqueous Zn-MnO Batteries. *Advanced Materials*, **2021**, 33, e2007559	24	87
70	Mesoporous TiO(2)-Sn@C core-shell microspheres for Li-ion batteries. *Chemical Communications*, **2013**, 49, 2792-4	5.8	67
69	Evaluating biomass-derived hierarchically porous carbon as the positive electrode material for hybrid Na-ion capacitors. *Journal of Power Sources*, **2017**, 342, 48-55	8.9	64
68	An environmentally adaptive quasi-solid-state zinc-ion battery based on magnesium vanadate hydrate with commercial-level mass loading and anti-freezing gel electrolyte. *Journal of Materials Chemistry A*, **2020**, 8, 8397-8409	13	46
67	Modifying the Zn anode with carbon black coating and nanofibrillated cellulose binder: A strategy to realize dendrite-free Zn-MnO batteries. *Journal of Colloid and Interface Science*, **2020**, 577, 256-264	9.3	44
66	Ordered mesoporous SnC composite as an anode material for lithium ion batteries. *Electrochemistry Communications*, **2011**, 13, 848-851	5.1	43

65	Investigation of Na3V2(PO4)2O2F as a sodium ion battery cathode material: Influences of morphology and voltage window. *Nano Energy*, **2019**, 60, 510-519	17.1	40
64	Pyrite FeS2 nanobelts as high-performance anode material for aqueous pseudocapacitor. *Electrochimica Acta*, **2016**, 222, 172-176	6.7	40
63	Electrochemical lithium storage of TiO2 hollow microspheres assembled by nanotubes. *Journal of Power Sources*, **2010**, 195, 6893-6896	8.9	40
62	Decorating biomass-derived porous carbon with Fe2O3 ultrathin film for high-performance supercapacitors. *Electrochimica Acta*, **2018**, 261, 198-205	6.7	39
61	Fabrication of three-dimensional carbon coating for SnO2/TiO2 hybrid anode material of lithium-ion batteries. *Electrochimica Acta*, **2018**, 282, 38-47	6.7	36
60	Enhancing pseudocapacitive kinetics of nanostructured MnO2 through anchoring onto biomass-derived porous carbon. *Applied Surface Science*, **2018**, 440, 1027-1036	6.7	36
59	Facile fabrication of graphene/Cu6Sn5 nanocomposite as the high performance anode material for lithium ion batteries. *Electrochimica Acta*, **2013**, 105, 629-634	6.7	36
58	Facile fabrication of hierarchical hollow microspheres assembled by titanate nanotubes. *Langmuir*, **2010**, 26, 10111-4	4	36
57	Cotton-derived cellulose film as a dendrite-inhibiting separator to stabilize the zinc metal anode of aqueous zinc ion batteries. *Energy Storage Materials*, **2022**, 44, 57-65	19.4	36
56	Cotton stalk-derived carbon fiber@Ni-Al layered double hydroxide nanosheets with improved performances for supercapacitors. *Applied Surface Science*, **2019**, 475, 372-379	6.7	36
55	Wearable high-performance supercapacitors based on Ni-coated cotton textile with low-crystalline Ni-Al layered double hydroxide nanoparticles. *Journal of Colloid and Interface Science*, **2018**, 513, 342-348	9.3	36
54	Synthesis of mesoporous Sn□u composite for lithium ion batteries. *Journal of Power Sources*, **2012**, 209, 204-208	8.9	35
53	Sn-contained N-rich carbon nanowires for high-capacity and long-life lithium storage. *Electrochimica Acta*, **2014**, 127, 390-396	6.7	31
52	Flexible free-standing paper electrodes based on reduced graphene oxide/□NaxV2O5□hH2O nanocomposite for high-performance aqueous zinc-ion batteries. *Electrochimica Acta*, **2019**, 328, 135137	6.7	30
51	Hybridizing □-type NaxV2O5□hH2O with graphene towards high-performance aqueous zinc-ion batteries. *Electrochimica Acta*, **2019**, 321, 134689	6.7	29
50	Sequentially-processed Na3V2(PO4)3 for cathode material of aprotic sodium ion battery. *Nano Energy*, **2018**, 50, 323-330	17.1	28
49	Facile fabrication of robust TiO 2 @SnO 2 @C hollow nanobelts for outstanding lithium storage. *Journal of Power Sources*, **2018**, 376, 1-10	8.9	27
48	Carbon nanowires@ultrathin SnO2 nanosheets@carbon composite and its lithium storage properties. *Journal of Power Sources*, **2014**, 246, 587-595	8.9	26

47	Facile fabrication of Si mesoporous nanowires for high-capacity and long-life lithium storage. *Nanoscale*, **2013**, 5, 10623-8	7.7	25
46	Improving the sodiation performance of Na2Ti3O7 through Nb-doping. *Electrochimica Acta*, **2017**, 224, 446-451	6.7	24
45	Molten salt synthesis of □MnO2/Mn2O3 nanocomposite as a high-performance cathode material for aqueous zinc-ion batteries. *Journal of Energy Chemistry*, **2021**, 54, 475-481	12	24
44	Thin Film Electrochemical Capacitors Based on Organolead Triiodide Perovskite. *Advanced Electronic Materials*, **2016**, 2, 1600114	6.4	23
43	Three-dimensional core□shell Cu@Cu6Sn5 nanowires as the anode material for lithium ion batteries. *Journal of Power Sources*, **2012**, 199, 341-345	8.9	22
42	Rod-like anhydrous VO assembled by tiny nanosheets as a high-performance cathode material for aqueous zinc-ion batteries.. *RSC Advances*, **2019**, 9, 30556-30564	3.7	22
41	The electrochemical and local structural analysis of the mesoporous Li4Ti5O12 anode. *Journal of Power Sources*, **2014**, 268, 294-300	8.9	20
40	High-Performance Anti-freezing Flexible Zn-MnO Battery Based on Polyacrylamide/Graphene Oxide/Ethylene Glycol Gel Electrolyte. *Frontiers in Chemistry*, **2020**, 8, 603	5	20
39	Etching-free template synthesis of double-shelled hollow SiO2@SnO2@C composite as high performance lithium-ion battery anode. *Journal of Alloys and Compounds*, **2019**, 809, 151793	5.7	18
38	Optimizing the electrolyte salt of aqueous zinc-ion batteries based on a high-performance calcium vanadate hydrate cathode material. *Journal of Energy Chemistry*, **2021**, 52, 377-384	12	18
37	Developing improved electrolytes for aqueous zinc-ion batteries to achieve excellent cyclability and antifreezing ability. *Journal of Colloid and Interface Science*, **2021**, 586, 362-370	9.3	18
36	Electrodeposition of MnO2 nanoflakes onto carbon nanotube film towards high-performance flexible quasi-solid-state Zn-MnO2 batteries. *Journal of Electroanalytical Chemistry*, **2020**, 873, 114392	4.1	17
35	A new hybrid strategy for fabricating titanium dioxide/tin dioxide/carbon composites with outstanding lithium-ion storage. *Chemical Engineering Journal*, **2018**, 342, 266-273	14.7	16
34	Hybridizing Fe3O4 nanocrystals with nitrogen-doped carbon nanowires for high-performance supercapacitors. *RSC Advances*, **2017**, 7, 48039-48046	3.7	15
33	Self-sacrificing template strategy to facilely prepare well-defined SnO2@C quasi-hollow nanocubes for lithium-ion battery anode. *Applied Surface Science*, **2020**, 507, 145189	6.7	15
32	Interface Engineering of Silicon and Carbon by Forming a Graded Protective Sheath for High-Capacity and Long-Durable Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 15216-15225	9.5	15
31	Induction of planar Li growth with designed interphases for dendrite-free Li metal anodes. *Energy Storage Materials*, **2021**, 39, 250-258	19.4	14
30	Nacre-inspired surface-engineered MXene/nanocellulose composite film for high-performance supercapacitors and zinc-ion capacitors. *Chemical Engineering Journal*, **2022**, 428, 131380	14.7	14

29	Simplified Synthesis of Fluoride-Free TiCT via Electrochemical Etching toward High-Performance Electrochemical Capacitors.. *ACS Nano*, **2022**,	16.7	13
28	The sandwiched buffer zone enables porous SnO2@C micro-/nanospheres to toward high-performance lithium-ion battery anodes. *Electrochimica Acta*, **2020**, 354, 136699	6.7	11
27	A robust strategy for stabilizing SnO2: TiO2-supported and carbon-immobilized TiO2/SnO2/C composite towards improved lithium storage. *Electrochimica Acta*, **2018**, 259, 815-821	6.7	11
26	Improving the lithium storage performance of SnO2 nanoparticles by in-situ embedding into a porous carbon framework. *Journal of Alloys and Compounds*, **2019**, 803, 224-230	5.7	11
25	Self-initiated coating of polypyrrole on MnO2/Mn2O3 nanocomposite for high-performance aqueous zinc-ion batteries. *Applied Surface Science*, **2021**, 545, 149041	6.7	11
24	Enabling improved cycling stability of hollow SnO2/C composite anode for lithium-ion battery by constructing a built-in porous carbon support. *Applied Surface Science*, **2021**, 537, 148052	6.7	11
23	Walnut core-like hollow carbon micro/nanospheres supported SnO@C composite for high performance lithium-ion battery anode. *Journal of Colloid and Interface Science*, **2019**, 554, 424-432	9.3	10
22	Nax(CuFeMn)O2 system as cathode materials for Na-ion batteries. *Nano Energy*, **2020**, 78, 105142	17.1	10
21	Integrated design of aqueous zinc-ion batteries based on dendrite-free zinc microspheres/carbon nanotubes/nanocellulose composite film anode. *Journal of Colloid and Interface Science*, **2021**, 594, 389-397	9.3	10
20	Bulk boron doping and surface carbon coating enabling fast-charging and stable Si anodes: from thin film to thick Si electrodes. *Journal of Materials Chemistry A*, **2021**, 9, 3628-3636	13	9
19	Fabrication of TiO 2 in-situ decorated and hierarchical Li 4 Ti 5 O 12 for improved lithium storage. *Electrochimica Acta*, **2017**, 231, 670-676	6.7	8
18	The smart fabrication of interconnected microspheres constructed by Li4Ti5O12 regular nanosheets and their lithium storage properties. *Materials Letters*, **2017**, 194, 118-121	3.3	8
17	Hybridizing Type MnO2 With Lignin-Derived Porous Carbon as a Stable Cathode Material for Aqueous ZnMnO2 Batteries. *Frontiers in Energy Research*, **2020**, 8,	3.8	6
16	Stabilizing zinc deposition with sodium lignosulfonate as an electrolyte additive to improve the life span of aqueous zinc-ion batteries. *Journal of Colloid and Interface Science*, **2021**, 601, 486-494	9.3	6
15	Anatase TiO2 nanowires intertangled with CNT for conductive additive-free lithium-ion battery anodes. *Journal of Physics and Chemistry of Solids*, **2021**, 153, 110037	3.9	5
14	Facile fabrication of double-shelled hollow SnO2@C nanoparticles with improved lithium storage via a novel heterogeneous template strategy. *Journal of Alloys and Compounds*, **2020**, 820, 153382	5.7	4
13	Flexible TiCT/Nanocellulose Hybrid Film as a Stable Zn-free Anode for Aqueous Hybrid Zn-Li Batteries.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	4
12	Rendering Wood Veneers Flexible and Electrically Conductive through Delignification and Electroless Ni Plating. *Materials*, **2019**, 12,	3.5	2

11	Fe O nanoparticles in-situ embedded in porous carbon framework towards improved lithium storage. *Materials Chemistry and Physics*, **2019**, 227, 12-20	4.4	2
10	Porous engineering enables one-dimensional Co O /C composite to enhance lithium storage. *Journal of Alloys and Compounds*, **2022**, 899, 163293	5.7	2
9	High lithium storage performance of CoO with a distinctive dual-carbon-confined nanoarchitecture. *Nanoscale*, **2021**, 13, 12938-12950	7.7	2
8	Porous carbon assisted carbon nanotubes supporting Fe3O4 nanoparticles for improved lithium storage. *Ceramics International*, **2021**, 47, 26092-26099	5.1	2
7	Enhancing the performance of manganous oxide nanoparticles for lithium storage by in-situ construction of porous carbon embedment. *Applied Surface Science*, **2021**, 552, 149531	6.7	1
6	MnxOy embedded within CNT supporting porous carbon for enhanced lithium storage. *Journal of Physics and Chemistry of Solids*, **2022**, 160, 110317	3.9	1
5	Sorbitol-modified cellulose hydrogel electrolyte derived from wheat straws towards high-performance environmentally adaptive flexible zinc-ion batteries. *Chemical Engineering Journal*, **2022**, 446, 137056	14.7	1
4	Large areal capacity all-in-one lithium-ion battery based on boron-doped silicon/carbon hybrid anode material and cellulose framework.. *Journal of Colloid and Interface Science*, **2022**, 612, 679-688	9.3	0
3	Porous carbon with carbon nanotube scaffold for embedding Cu2O/Cu nanoparticles towards high lithium storage. *Chemical Physics Letters*, **2021**, 780, 138934	2.5	0
2	Liquid-phase sintering enabling mixed ionic-electronic interphases and free-standing composite cathode architecture toward high energy solid-state battery. *Nano Research*,1	10	0
1	Fe-Based Anode Materials for Asymmetric Supercapacitors **2021**, 493-515		