Qichong Zhang

List of Publications by Year
in descending order

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51	4,011	94433 37	168389 53
papers	citations	h-index	g-index

54	54	54	3893
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advanced Multifunctional Aqueous Rechargeable Batteries Design: From Materials and Devices to Systems. Advanced Materials, 2022, 34, e2104327.	21.0	78
2	Roadmap for flexible solid-state aqueous batteries: From materials engineering and architectures design to mechanical characterizations. Materials Science and Engineering Reports, 2022, 148, 100671.	31.8	30
3	Freestanding Metalâ€“Organic Frameworks and Their Derivatives: An Emerging Platform for Electrochemical Energy Storage and Conversion. Chemical Reviews, 2022, 122, 10087-10125.	47.7	126
4	Highâ€Capacity Ironâ€Based Anodes for Aqueous Secondary Nickelâ^Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 274-290.	3.4	23
5	Boosting Zn-ion storage capability of self-standing Zn-doped Co3O4 nanowire array as advanced cathodes for high-performance wearable aqueous rechargeable Co//Zn batteries. Nano Research, 2021, 14, 91-99.	10.4	50
6	NaTi2(PO4)3 hollow nanoparticles encapsulated in carbon nanofibers as novel anodes for flexible aqueous rechargeable sodium-ion batteries. Nano Energy, 2021, 82, 105764.	16.0	43
7	Recent Advances and Prospects of Fiberâ€Shaped Rechargeable Aqueous Alkaline Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100060.	5.8	5
8	Highâ€Capacity Ironâ€Based Anodes for Aqueous Secondary Nickelâ€“Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 273-273.	3.4	2
9	Binder-free NaTi2(PO4)3 anodes for high-performance coaxial-fiber aqueous rechargeable sodium-ion batteries. Nano Energy, 2020, 67, 104212.	16.0	70
10	Achieving ultrahigh-energy-density in flexible and lightweight all-solid-state internal asymmetric tandem 6.6â€V all-in-one supercapacitors. Energy Storage Materials, 2020, 25, 893-902.	18.0	27
11	Stitching of Zn₃(OH)₂V₂O₇Â·2H₂O 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. ACS Nano, 2020, 14, 842-853.	14.6	183
12	Nickel metalâ€“organic framework nanosheets as novel binder-free cathode for advanced fibrous aqueous rechargeable Niâ€“Zn battery. Journal of Materials Chemistry A, 2020, 8, 3262-3269.	10.3	68
13	Designer patterned functional fibers via direct imprinting in thermal drawing. Nature Communications, 2020, 11, 3842.	12.8	36
14	High-Performance and Ultraflexible Aqueous Rechargeable Lithium-Ion Batteries Developed by Constructing All Binder-free Electrode Materials. ACS Applied Materials & Interfaces, 2020, 12, 25700-25708.	8.0	18
15	Superstructured Î±-Fe2O3 nanorods as novel binder-free anodes for high-performing fiber-shaped Ni/Fe battery. Science Bulletin, 2020, 65, 812-819.	9.0	32
16	Rational Construction of Selfâ€Standing Sulfurâ€Doped Fe₂O₃ Anodes with Promoted Energy Storage Capability for Wearable Aqueous Rechargeable NiCoâ€Fe Batteries. Advanced Energy Materials, 2020, 10, 2001064.	19.5	39
17	Engineering MoS₂ Nanosheets on Spindleâ€Like Î±â€Fe₂O₃ as Highâ€Performance Coreâ€“Shell Pseudocapacitive Anodes for Fiberâ€Shaped Aqueous Lithiumâ€Ion Capacitors. Advanced Functional Materials, 2020, 30, 2003967.	14.9	60
18	All-Metal Phosphide Electrodes for High-Performance Quasi-Solid-State Fiber-Shaped Aqueous Rechargeable Niâ€“Fe Batteries. ACS Applied Materials & Interfaces, 2020, 12, 12801-12808.	8.0	30

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19	Interface engineered and surface modulated electrode materials for ultrahigh-energy-density wearable NiCo//Fe batteries. Energy Storage Materials, 2020, 27, 316-326.	18.0	40
20	Self-sacrificed synthesis of conductive vanadium-based Metalâ€“Organic framework nanowire-bundle arrays as binder-free cathodes for high-rate and high-energy-density wearable Zn-Ion batteries. Nano Energy, 2019, 64, 103935.	16.0	107
21	Flexible all-solid-state fiber-shaped Niâ€“Fe batteries with high electrochemical performance. Journal of Materials Chemistry A, 2019, 7, 520-530.	10.3	70
22	An ultra-high endurance and high-performance quasi-solid-state fiber-shaped Znâ€“Ag₂O battery to harvest wind energy. Journal of Materials Chemistry A, 2019, 7, 2034-2040.	10.3	70
23	All-solid-state sponge-like squeezable zinc-air battery. Energy Storage Materials, 2019, 23, 375-382.	18.0	47
24	Anchoring V₂O₅ nanosheets on hierarchical titanium nitride nanowire arrays to form coreâ€“shell heterostructures as a superior cathode for high-performance wearable aqueous rechargeable zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12997-13006.	10.3	89
25	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. Nano Letters, 2019, 19, 4035-4042.	9.1	202
26	Direct Ink Writing of Adjustable Electrochemical Energy Storage Device with High Gravimetric Energy Densities. Advanced Functional Materials, 2019, 29, 1900809.	14.9	94
27	V₂O₅ nanosheets supported on 3D N-doped carbon nanowall arrays as an advanced cathode for high energy and high power fiber-shaped zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12979-12986.	10.3	101
28	Ultra-endurance coaxial-fiber stretchable sensing systems fully powered by sunlight. Nano Energy, 2019, 60, 267-274.	16.0	46
29	A one-dimensional channel self-standing MOF cathode for ultrahigh-energy-density flexible Niâ€“Zn batteries. Journal of Materials Chemistry A, 2019, 7, 27217-27224.	10.3	73
30	All Binder-Free Electrodes for High-Performance Wearable Aqueous Rechargeable Sodium-Ion Batteries. Nano-Micro Letters, 2019, 11, 101.	27.0	38
31	Conversion Synthesis of Selfâ€Standing Potassium Zinc Hexacyanoferrate Arrays as Cathodes for Highâ€Voltage Flexible Aqueous Rechargeable Sodiumâ€Ion Batteries. Small, 2019, 15, e1905115.	10.0	37
32	All Hierarchical Coreâ€“Shell Heterostructures as Novel Binderâ€Free Electrode Materials for Ultrahighâ€Energyâ€Density Wearable Asymmetric Supercapacitors. Advanced Science, 2019, 6, 1801379.	11.2	70
33	Fully Solarâ€Powered Uninterrupted Overall Waterâ€Splitting Systems. Advanced Functional Materials, 2019, 29, 1808889.	14.9	24
34	Hierarchical NiCoP nanosheet arrays with enhanced electrochemical properties for high-performance wearable hybrid capacitors. Journal of Alloys and Compounds, 2019, 781, 783-789.	5.5	19
35	All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin Ni(OH)₂ Nanosheet Wrapped NiCo₂O₄ Nanowires Arrays Electrode. Journal of Physical Chemistry C, 2019, 123, 985-993.	3.1	31
36	Ultrafast Allâ€Solidâ€State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. Advanced Energy Materials, 2018, 8, 1702946.	19.5	86

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37	MOF for template-directed growth of well-oriented nanowire hybrid arrays on carbon nanotube fibers for wearable electronics integrated with triboelectric nanogenerators. Nano Energy, 2018, 45, 420-431.	16.0	158
38	Facile synthesis of hierarchical porous manganese nickel cobalt sulfide nanotube arrays with enhanced electrochemical performance for ultrahigh energy density fiber-shaped asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 8030-8038.	10.3	62
39	Hierarchical ferric-cobalt-nickel ternary oxide nanowire arrays supported on graphene fibers as high-performance electrodes for flexible asymmetric supercapacitors. Nano Research, 2018, 11, 1775-1786.	10.4	55
40	Facile Synthesis of Na-Doped MnO₂ Nanosheets on Carbon Nanotube Fibers for Ultrahigh-Energy-Density All-Solid-State Wearable Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 37233-37241.	8.0	60
41	Allâ€Metalâ€Organic Frameworkâ€Derived Battery Materials on Carbon Nanotube Fibers for Wearable Energyâ€Storage Device. Advanced Science, 2018, 5, 1801462.	11.2	89
42	High-Performance Quasi-Solid-State Flexible Aqueous Rechargeable Agâ€“Zn Battery Based on Metalâ€“Organic Framework-Derived Ag Nanowires. ACS Energy Letters, 2018, 3, 2761-2768.	17.4	125
43	Metalâ€“Organic Framework Derived Spindle-like Carbon Incorporated Î±-Fe₂O₃ Grown on Carbon Nanotube Fiber as Anodes for High-Performance Wearable Asymmetric Supercapacitors. ACS Nano, 2018, 12, 9333-9341.	14.6	263
44	High-performance flexible all-solid-state aqueous rechargeable Znâ€“MnO₂ microbatteries integrated with wearable pressure sensors. Journal of Materials Chemistry A, 2018, 6, 14594-14601.	10.3	91
45	One-Step in Situ Ball Milling Synthesis of Polymer-Functionalized Few-Layered Boron Nitride and Its Application in High Thermally Conductive Cellulose Composites. ACS Applied Nano Materials, 2018, 1, 4875-4883.	5.0	61
46	Rational Design of Hierarchical Titanium Nitride@Vanadium Pentoxide Coreâ€“Shell Heterostructure Fibrous Electrodes for High-Performance 1.6 V Nonpolarity Wearable Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 29705-29711.	8.0	22
47	Wrapping Aligned Carbon Nanotube Composite Sheets around Vanadium Nitride Nanowire Arrays for Asymmetric Coaxial Fiber-Shaped Supercapacitors with Ultrahigh Energy Density. Nano Letters, 2017, 17, 2719-2726.	9.1	281
48	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo₂O₄ and porous VN nanowires electrode materials. Journal of Materials Chemistry A, 2017, 5, 6928-6936.	10.3	81
49	Constructing hierarchical dandelion-like molybdenumâ€“nickelâ€“cobalt ternary oxide nanowire arrays on carbon nanotube fiber for high-performance wearable fiber-shaped asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 21153-21160.	10.3	63
50	Constructing Ultrahigh-Capacity Zincâ€“Nickelâ€“Cobalt Oxide@Ni(OH)₂ Coreâ€“Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. Nano Letters, 2017, 17, 7552-7560.	9.1	231
51	Stretchable fiber-shaped asymmetric supercapacitors with ultrahigh energy density. Nano Energy, 2017, 39, 219-228.	16.0	200