

Yinxiang Zeng

List of Publications by Year in descending order

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7954
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendrite-Free Zinc Deposition Induced by Multifunctional CNT Frameworks for Stable Flexible Zn-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1903675.	21.0	780
2	Achieving Ultrahigh Energy Density and Long Durability in a Flexible Rechargeable Quasi-Solid-State Zn-MnO ₂ Battery. <i>Advanced Materials</i> , 2017, 29, 1700274.	21.0	572
3	Oxygen Vacancy and Surface Modulation of Ultrathin Nickel Cobaltite Nanosheets as a High-Energy Cathode for Advanced Zn-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1802396.	21.0	495
4	Advanced Ti-Doped Fe ₂ O ₃ @PEDOT Core/Shell Anode for High-Energy Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1402176.	19.5	416
5	Flexible Zn-Ion Batteries: Recent Progresses and Challenges. <i>Small</i> , 2019, 15, e1804760.	10.0	412
6	Directional Construction of Vertical Nitrogen-Doped 1T ₂ H MoSe ₂ /Graphene Shell/Core Nanoflake Arrays for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1700748.	21.0	404
7	A Novel Exfoliation Strategy to Significantly Boost the Energy Storage Capability of Commercial Carbon Cloth. <i>Advanced Materials</i> , 2015, 27, 3572-3578.	21.0	384
8	Iron-Based Supercapacitor Electrodes: Advances and Challenges. <i>Advanced Energy Materials</i> , 2016, 6, 1601053.	19.5	358
9	An Ultrastable and High-Performance Flexible Fiber-Shaped Ni-Zn Battery based on a Ni-NiO Heterostructured Nanosheet Cathode. <i>Advanced Materials</i> , 2017, 29, 1702698.	21.0	314
10	Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5454-5459.	13.8	292
11	Construction of Co-Mn Prussian Blue Analog Hollow Spheres for Efficient Aqueous Zn-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22189-22194.	13.8	265
12	Phase Modulation of (1T ₂ H)-MoSe ₂ /TiC Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1802223.	21.0	244
13	Dual-Doped Molybdenum Trioxide Nanowires: A Bifunctional Anode for Fiber-Shaped Asymmetric Supercapacitors and Microbial Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6762-6766.	13.8	230
14	Flexible Ultrafast Aqueous Rechargeable Ni//Bi Battery Based on Highly Durable Single-Crystalline Bismuth Nanostructured Anode. <i>Advanced Materials</i> , 2016, 28, 9188-9195.	21.0	220
15	Three-dimensional nickel nitride (Ni ₃ N) nanosheets: free standing and flexible electrodes for lithium ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9844-9849.	10.3	203
16	Holey Tungsten Oxynitride Nanowires: Novel Anodes Efficiently Integrate Microbial Chemical Energy Conversion and Electrochemical Energy Storage. <i>Advanced Materials</i> , 2015, 27, 3085-3091.	21.0	177
17	Defect Promoted Capacity and Durability of Ni-MnO ₂ Branch Arrays via Low-Temperature NH ₃ Treatment for Advanced Aqueous Zinc Ion Batteries. <i>Small</i> , 2019, 15, e1905452.	10.0	171
18	Engineering Thin MoS ₂ Nanosheets on TiN Nanorods: Advanced Electrochemical Capacitor Electrode and Hydrogen Evolution Electrocatalyst. <i>ACS Energy Letters</i> , 2017, 2, 1862-1868.	17.4	167

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19	Building Three-Dimensional Graphene Frameworks for Energy Storage and Catalysis. <i>Advanced Functional Materials</i> , 2015, 25, 324-330.	14.9	156
20	Confining Sn nanoparticles in interconnected N-doped hollow carbon spheres as hierarchical zincophilic fibers for dendrite-free Zn metal anodes. <i>Science Advances</i> , 2022, 8, eabm5766.	10.3	150
21	Nitrogen-Doped Carbon Fibers Embedded with Zincophilic Cu Nanoboxes for Stable Zn-Metal Anodes. <i>Advanced Materials</i> , 2022, 34, e2200342.	21.0	149
22	Recent Smart Methods for Achieving High-Energy Asymmetric Supercapacitors. <i>Small Methods</i> , 2018, 2, 1700230.	8.6	147
23	In Situ Activation of 3D Porous Bi/Carbon Architectures: Toward High-Energy and Stable Nickel-Bismuth Batteries. <i>Advanced Materials</i> , 2018, 30, e1707290.	21.0	139
24	Oxygen Defects in Promoting the Electrochemical Performance of Metal Oxides for Supercapacitors: Recent Advances and Challenges. <i>Small Methods</i> , 2020, 4, 1900823.	8.6	129
25	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8515-8520.	13.8	115
26	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open-Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. <i>Advanced Functional Materials</i> , 2018, 28, 1805618.	14.9	110
27	An ultrathin defect-rich Co_3O_4 nanosheet cathode for high-energy and durable aqueous zinc ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21678-21683.	10.3	106
28	Sulphur-doped Co_3O_4 nanowires as an advanced negative electrode for high-energy asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10779-10785.	10.3	101
29	3D CNTs Networks Enable MnO_2 Cathodes with High Capacity and Superior Rate Capability for Flexible Rechargeable Zn-MnO ₂ Batteries. <i>Small Methods</i> , 2019, 3, 1900525.	8.6	99
30	Activated carbon fiber paper with exceptional capacitive performance as a robust electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5828-5833.	10.3	95
31	Binder-free WS_2 nanosheets with enhanced crystallinity as a stable negative electrode for flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21460-21466.	10.3	89
32	Rationally Designed Mn_2O_3 - ZnMn_2O_4 Hollow Heterostructures from Metal-Organic Frameworks for Stable Zn-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25793-25798.	13.8	82
33	Carbon cloth as an advanced electrode material for supercapacitors: progress and challenges. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17938-17950.	10.3	81
34	Interfacial Engineering Coupled Valence Tuning of MoO_3 Cathode for High-Capacity and High-Rate Fiber-Shaped Zinc-Ion Batteries. <i>Small</i> , 2020, 16, e1907458.	10.0	76
35	Formation of Super-Assembled $\text{TiO}_x/\text{Zn/N}$ -Doped Carbon Inverse Opal Towards Dendrite-Free Zn Anodes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115649.	13.8	76
36	Dual-Doped Molybdenum Trioxide Nanowires: A Bifunctional Anode for Fiber-Shaped Asymmetric Supercapacitors and Microbial Fuel Cells. <i>Angewandte Chemie</i> , 2016, 128, 6874-6878.	2.0	70

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37	Synthesis of Nitrogen-Doped KMnO_8 with Oxygen Vacancy for Stable Zinc-Ion Batteries. <i>Advanced Science</i> , 2022, 9, e2106067.	11.2	70
38	Ni-based Nanostructures as High-performance Cathodes for Rechargeable Ni-Zn Battery. <i>ChemNanoMat</i> , 2018, 4, 525-536.	2.8	65
39	Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. <i>Angewandte Chemie</i> , 2017, 129, 5546-5551.	2.0	60
40	Manipulating nickel oxides in naturally derived cellulose nanofiber networks as robust cathodes for high-performance Ni-Zn batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 565-572.	10.3	53
41	Solar-microbial hybrid device based on oxygen-deficient niobium pentoxide anodes for sustainable hydrogen production. <i>Chemical Science</i> , 2015, 6, 6799-6805.	7.4	51
42	Engineering high reversibility and fast kinetics of Bi nanoflakes by surface modulation for ultrastable nickel-bismuth batteries. <i>Chemical Science</i> , 2019, 10, 3602-3607.	7.4	49
43	Electrochemically Activated Nickel-Carbon Composite as Ultrastable Cathodes for Rechargeable Nickel-Zinc Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14854-14861.	8.0	47
44	Monolithic three-dimensional graphene frameworks derived from inexpensive graphite paper as advanced anodes for microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6342-6349.	10.3	45
45	A highly crystalline bismuth superstructure for ultrastable and high-performance flexible aqueous nickel-bismuth batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8895-8900.	10.3	33
46	Three-Dimensional Nitrogen-Doped Graphene Frameworks from Electrochemical Exfoliation of Graphite as Efficient Supercapacitor Electrodes. <i>ChemNanoMat</i> , 2019, 5, 152-157.	2.8	18
47	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2021, 133, 8596-8601.	2.0	17
48	Facile Synthesis of Porous Carbon Nanoarchitectures as Advanced and Durable Electrodes for Supercapacitors. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900115.	2.3	14
49	Rationally Designed Mn_2O_3 - ZnMn_2O_4 Hollow Heterostructures from Metal-Organic Frameworks for Stable Zn-Ion Storage. <i>Angewandte Chemie</i> , 2021, 133, 25997-26002.	2.0	13
50	Construction of Co-Mn Prussian Blue Analog Hollow Spheres for Efficient Aqueous Zn-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 22363-22368.	2.0	12
51	Co_3O_4 Nanowires Capable of Discharging Low Voltage Electricity Showing Potent Antibacterial Activity for Treatment of Bacterial Skin Infection. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102044.	7.6	10
52	Iron-based nanoparticles encapsulated in super-large 3D carbon nanotube networks as a bifunctional catalyst for ultrastable rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25913-25918.	10.3	7
53	Formation of Super-Assembled $\text{TiO}_x/\text{Zn/Ni}$ -Doped Carbon Inverse Opal Towards Dendrite-Free Zn Anodes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
54	Frontispiece: Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	13.8	0

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55	Frontispiz: Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. <i>Angewandte Chemie</i> , 2017, 129, .	2.0	0