

Ying Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Towards better Li metal anodes: Challenges and strategies. <i>Materials Today</i> , 2020, 33, 56-74.	8.3	404
2	A 3D Lithium/Carbon Fiber Anode with Sustained Electrolyte Contact for Solid-State Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903325.	10.2	61
3	Flexible nanocellulose enhanced Li ⁺ conducting membrane for solid polymer electrolyte. <i>Energy Storage Materials</i> , 2020, 28, 293-299.	9.5	70
4	Induction of Planar Sodium Growth on MXene (Ti ₃ C ₂ T _x) ^x -Modified Carbon Cloth Hosts for Flexible Sodium Metal Anodes. <i>ACS Nano</i> , 2020, 14, 8744-8753.	7.3	125
5	An Outlook on Low-Volume-Change Lithium Metal Anodes for Long-Life Batteries. <i>ACS Central Science</i> , 2020, 6, 661-671.	5.3	83
6	Lithiophilic Three-Dimensional Porous Ti ₃ C ₂ T _x -rGO Membrane as a Stable Scaffold for Safe Alkali Metal (Li or Na) Anodes. <i>ACS Nano</i> , 2019, 13, 14319-14328.	7.3	123
7	Necklace-Like Silicon Carbide and Carbon Nanocomposites Formed by Steady Joule Heating. <i>Small Methods</i> , 2018, 2, 1700371.	4.6	17
8	Extrusion-Based 3D Printing of Hierarchically Porous Advanced Battery Electrodes. <i>Advanced Materials</i> , 2018, 30, e1705651.	11.1	241
9	Universal Soldering of Lithium and Sodium Alloys on Various Substrates for Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701963.	10.2	186
10	Hierarchically Porous, Ultrathick, "Breathable" Wood-Derived Cathode for Lithium-Oxygen Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701203.	10.2	161
11	Wood-Based Nanotechnologies toward Sustainability. <i>Advanced Materials</i> , 2018, 30, 1703453.	11.1	359
12	High-Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. <i>Advanced Energy Materials</i> , 2018, 8, 1701616.	10.2	255
13	Textile Inspired Lithium-Oxygen Battery Cathode with Decoupled Oxygen and Electrolyte Pathways. <i>Advanced Materials</i> , 2018, 30, 1704907.	11.1	92
14	Highly Conductive, Light Weight, Robust, Corrosion-Resistant, Scalable, All-Fiber Based Current Collectors for Aqueous Acidic Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702615.	10.2	63
15	3D Wettable Framework for Dendrite-Free Alkali Metal Anodes. <i>Advanced Energy Materials</i> , 2018, 8, 1800635.	10.2	196
16	All-wood, low tortuosity, aqueous, biodegradable supercapacitors with ultra-high capacitance. <i>Energy and Environmental Science</i> , 2017, 10, 538-545.	15.6	602
17	A carbon-based 3D current collector with surface protection for Li metal anode. <i>Nano Research</i> , 2017, 10, 1356-1365.	5.8	200
18	Reducing Interfacial Resistance between Garnet-Structured Solid-State Electrolyte and Li-Metal Anode by a Germanium Layer. <i>Advanced Materials</i> , 2017, 29, 1606042.	11.1	512

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19	Garnet/polymer hybrid ion-conducting protective layer for stable lithium metal anode. Nano Research, 2017, 10, 4256-4265.	5.8	76
20	Highly Conductive, Lightweight, Low-Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. Advanced Energy Materials, 2017, 7, 1700595.	10.2	210
21	Encapsulation of Metallic Na in an Electrically Conductive Host with Porous Channels as a Highly Stable Na Metal Anode. Nano Letters, 2017, 17, 3792-3797.	4.5	243
22	High-capacity, low-tortuosity, and channel-guided lithium metal anode. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3584-3589.	3.3	412
23	Transient Behavior of the Metal Interface in Lithium Metal-Garnet Batteries. Angewandte Chemie - International Edition, 2017, 56, 14942-14947.	7.2	227
24	Tree-Inspired Design for High-Efficiency Water Extraction. Advanced Materials, 2017, 29, 1704107.	11.1	494
25	Transient Behavior of the Metal Interface in Lithium Metal-Garnet Batteries. Angewandte Chemie, 2017, 129, 15138-15143.	1.6	12
26	3D-Printed All-Fiber Li-Ion Battery toward Wearable Energy Storage. Advanced Functional Materials, 2017, 27, 1703140.	7.8	270
27	Protected Lithium-Metal Anodes in Batteries: From Liquid to Solid. Advanced Materials, 2017, 29, 1701169.	11.1	596
28	Superflexible Wood. ACS Applied Materials & Interfaces, 2017, 9, 23520-23527.	4.0	141
29	Ultrathin Surface Coating Enables the Stable Sodium Metal Anode. Advanced Energy Materials, 2017, 7, 1601526.	10.2	312
30	Preparation of $M_{1/3}Ni_{1/3}Mn_{2/3}O_2$ (M=Mg or Zn) and its performance as the cathode material of aqueous divalent cations battery. Electrochimica Acta, 2015, 182, 971-978.	2.6	25
31	Electrodeposition of palladium on carbon nanotubes modified nickel foam as an efficient electrocatalyst towards hydrogen peroxide reduction. Journal of Power Sources, 2015, 298, 38-45.	4.0	22
32	Highly porous Fe_3O_4 -Fe nanowires grown on C/TiC nanofiber arrays as the high performance anode of lithium-ion batteries. Journal of Power Sources, 2014, 258, 260-265.	4.0	31
33	An aqueous capacitor battery hybrid device based on Na-ion insertion-deinsertion in δ - MnO_2 positive electrode. Electrochimica Acta, 2014, 148, 237-243.	2.6	45
34	Three-dimensional lamination-like $P_2Na_{2/3}Ni_{1/3}Mn_{2/3}O_2$ assembled with two-dimensional ultrathin nanosheets as the cathode material of an aqueous capacitor battery. Electrochimica Acta, 2014, 148, 195-202.	2.6	21
35	Investigation of the intercalation of polyvalent cations (Mg^{2+} , Zn^{2+}) into δ - MnO_2 for rechargeable aqueous battery. Electrochimica Acta, 2014, 116, 404-412.	2.6	239
36	Au -Pd nanoparticles supported on carbon fiber cloth as the electrocatalyst for H_2O_2 electroreduction in acid medium. Journal of Power Sources, 2013, 233, 252-258.	4.0	49

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37	Preparation of Au nanodendrites supported on carbon fiber cloth and its catalytic performance to H ₂ O ₂ electroreduction and electrooxidation. RSC Advances, 2013, 3, 5483.	1.7	34
38	Sr-doped Li ₄ Ti ₅ O ₁₂ as the anode material for lithium-ion batteries. Solid State Ionics, 2013, 232, 13-18.	1.3	63
39	High rate performance of the composites of Li ₄ Ti ₅ O ₁₂ â€“Ketjen Black and Li ₄ Ti ₅ O ₁₂ â€“Ketjen Blackâ€“multi-walled carbon nanotubes for Li-ion batteries. Solid State Ionics, 2013, 233, 1-6.	1.3	16
40	Dendritic palladium decorated with gold by potential pulse electrodeposition: Enhanced electrocatalytic activity for H ₂ O ₂ electroreduction and electrooxidation. Electrochimica Acta, 2013, 99, 54-61.	2.6	43
41	Synthesis and Electrochemical Performance of Li ₄ Ti ₅ O ₁₂ /CMK-3 Nanocomposite Negative Electrode Materials for Lithium-Ion Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 1247-1252.	2.2	1