## 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. Materials Today, 2020, 33, 56-74.	14.2	404
2	A 3D Lithium/Carbon Fiber Anode with Sustained Electrolyte Contact for Solid‣tate Batteries. Advanced Energy Materials, 2020, 10, 1903325.	19.5	61
3	Flexible nanocellulose enhanced Li+ conducting membrane for solid polymer electrolyte. Energy Storage Materials, 2020, 28, 293-299.	18.0	70
4	Induction of Planar Sodium Growth on MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub><i>x</i></sub> )-Modified Carbon Cloth Hosts for Flexible Sodium Metal Anodes. ACS Nano, 2020, 14, 8744-8753.	14.6	125
5	An Outlook on Low-Volume-Change Lithium Metal Anodes for Long-Life Batteries. ACS Central Science, 2020, 6, 661-671.	11.3	83
6	Lithiophilic Three-Dimensional Porous Ti <sub>3</sub> C <sub>2</sub> T <i><sub>x</sub></i> -rGO Membrane as a Stable Scaffold for Safe Alkali Metal (Li or Na) Anodes. ACS Nano, 2019, 13, 14319-14328.	14.6	123
7	Necklace‣ike Silicon Carbide and Carbon Nanocomposites Formed by Steady Joule Heating. Small Methods, 2018, 2, 1700371.	8.6	17
8	Extrusionâ€Based 3D Printing of Hierarchically Porous Advanced Battery Electrodes. Advanced Materials, 2018, 30, e1705651.	21.0	241
9	Universal Soldering of Lithium and Sodium Alloys on Various Substrates for Batteries. Advanced Energy Materials, 2018, 8, 1701963.	19.5	186
10	Hierarchically Porous, Ultrathick, "Breathable―Woodâ€Derived Cathode for Lithiumâ€Oxygen Batteries. Advanced Energy Materials, 2018, 8, 1701203.	19.5	161
11	Woodâ€Based Nanotechnologies toward Sustainability. Advanced Materials, 2018, 30, 1703453.	21.0	359
12	Highâ€Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. Advanced Energy Materials, 2018, 8, 1701616.	19.5	255
13	Textile Inspired Lithium–Oxygen Battery Cathode with Decoupled Oxygen and Electrolyte Pathways. Advanced Materials, 2018, 30, 1704907.	21.0	92
14	Highly Conductive, Light Weight, Robust, Corrosionâ€Resistant, Scalable, Allâ€Fiber Based Current Collectors for Aqueous Acidic Batteries. Advanced Energy Materials, 2018, 8, 1702615.	19.5	63
15	3D Wettable Framework for Dendriteâ€Free Alkali Metal Anodes. Advanced Energy Materials, 2018, 8, 1800635.	19.5	196
16	All-wood, low tortuosity, aqueous, biodegradable supercapacitors with ultra-high capacitance. Energy and Environmental Science, 2017, 10, 538-545.	30.8	602
17	A carbon-based 3D current collector with surface protection for Li metal anode. Nano Research, 2017, 10, 1356-1365.	10.4	200
18	Reducing Interfacial Resistance between Garnetâ€Structured Solidâ€State Electrolyte and Liâ€Metal Anode by a Germanium Layer. Advanced Materials, 2017, 29, 1606042.	21.0	512

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19	Garnet/polymer hybrid ion-conducting protective layer for stable lithium metal anode. Nano Research, 2017, 10, 4256-4265.	10.4	76
20	Highly Conductive, Lightweight, Lowâ€Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. Advanced Energy Materials, 2017, 7, 1700595.	19.5	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.	9.1	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.	7.1	412
23	Transient Behavior of the Metal Interface in Lithium Metal–Garnet Batteries. Angewandte Chemie - International Edition, 2017, 56, 14942-14947.	13.8	227
24	Treeâ€Inspired Design for Highâ€Efficiency Water Extraction. Advanced Materials, 2017, 29, 1704107.	21.0	494
25	Transient Behavior of the Metal Interface in Lithium Metal–Garnet Batteries. Angewandte Chemie, 2017, 129, 15138-15143.	2.0	12
26	3Dâ€Printed Allâ€Fiber Liâ€lon Battery toward Wearable Energy Storage. Advanced Functional Materials, 2017, 27, 1703140.	14.9	270
27	Protected Lithiumâ€Metal Anodes in Batteries: From Liquid to Solid. Advanced Materials, 2017, 29, 1701169.	21.0	596
28	Superflexible Wood. ACS Applied Materials & amp; Interfaces, 2017, 9, 23520-23527.	8.0	141
29	Ultrathin Surface Coating Enables the Stable Sodium Metal Anode. Advanced Energy Materials, 2017, 7, 1601526.	19.5	312
30	Preparation of M1/3Ni1/3Mn2/3O2 (M=Mg or Zn) and its performance as the cathode material of aqueous divalent cations battery. Electrochimica Acta, 2015, 182, 971-978.	5.2	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.	7.8	22
32	Highly porous Fe3O4–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.	7.8	31
33	An aqueous capacitor battery hybrid device based on Na-ion insertion-deinsertion in λ -MnO 2 positive electrode. Electrochimica Acta, 2014, 148, 237-243.	5.2	45
34	Three-dimensional lamination-like P2-Na 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.	5.2	21
35	Investigation of the intercalation of polyvalent cations (Mg2+, Zn2+) into λ-MnO2 for rechargeable aqueous battery. Electrochimica Acta, 2014, 116, 404-412.	5.2	239
36	Au–Pd nanoparticles supported on carbon fiber cloth as the electrocatalyst for H2O2 electroreduction in acid medium. Journal of Power Sources, 2013, 233, 252-258.	7.8	49

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37	Preparation of Au nanodendrites supported on carbon fiber cloth and its catalytic performance to H2O2 electroreduction and electrooxidation. RSC Advances, 2013, 3, 5483.	3.6	34
38	Sr-doped Li4Ti5O12 as the anode material for lithium-ion batteries. Solid State Ionics, 2013, 232, 13-18.	2.7	63
39	High rate performance of the composites of Li4Ti5O12–Ketjen Black and Li4Ti5O12–Ketjen Black–multi-walled carbon nanotubes for Li-ion batteries. Solid State Ionics, 2013, 233, 1-6.	2.7	16
40	Dendritic palladium decorated with gold by potential pulse electrodeposition: Enhanced electrocatalytic activity for H2O2 electroreduction and electrooxidation. Electrochimica Acta, 2013, 99, 54-61.	5.2	43
41	Synthesis and Electrochemical Performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /CMK-3 Nanocomposite Negative Electrode Materials for Lithium-Ion Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 1247-1252.	4.9	1