

# Di Bao

## List of Publications by Citations

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40  
papers

4,673  
citations

26  
h-index

41  
g-index

41  
ext. papers

5,339  
ext. citations

11  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
40	Electrochemical Reduction of N under Ambient Conditions for Artificial N Fixation and Renewable Energy Storage Using N /NH Cycle. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604799	24	762
39	In Situ Coupling of Strung Co <sub>4</sub> N and Intertwined N-C Fibers toward Free-Standing Bifunctional Cathode for Robust, Efficient, and Flexible Zn-Air Batteries. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10226-31	16.4	710
38	Au Sub-Nanoclusters on TiO toward Highly Efficient and Selective Electrocatalyst for N Conversion to NH at Ambient Conditions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606550	24	619
37	Amorphizing of Au Nanoparticles by CeO -RGO Hybrid Support towards Highly Efficient Electrocatalyst for N Reduction under Ambient Conditions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700001	24	414
36	Anchoring PdCu Amorphous Nanocluster on Graphene for Electrochemical Reduction of N <sub>2</sub> to NH <sub>3</sub> under Ambient Conditions in Aqueous Solution. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800124	21.8	312
35	A Biodegradable Polydopamine-Derived Electrode Material for High-Capacity and Long-Life Lithium-Ion and Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10662-6	16.4	254
34	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9464-9469	16.4	178
33	High-Energy-Density Flexible Potassium-Ion Battery Based on Patterned Electrodes. <i>Joule</i> , <b>2018</b> , 2, 736-746	14.6	158
32	A Biodegradable Polydopamine-Derived Electrode Material for High-Capacity and Long-Life Lithium-Ion and Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10820-10824	3.6	121
31	Decorating Waste Cloth via Industrial Wastewater for Tube-Type Flexible and Wearable Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603719	24	105
30	In Situ Coupling FeM (M = Ni, Co) with Nitrogen-Doped Porous Carbon toward Highly Efficient Trifunctional Electrocatalyst for Overall Water Splitting and Rechargeable Zn/Air Battery. <i>Advanced Sustainable Systems</i> , <b>2017</b> , 1, 1700020	5.9	102
29	Engineering Ultrathin C <sub>3</sub> N <sub>4</sub> Quantum Dots on Graphene as a Metal-Free Water Reduction Electrocatalyst. <i>ACS Catalysis</i> , <b>2018</b> , 8, 3965-3970	13.1	99
28	Blood-Capillary-Inspired, Free-Standing, Flexible, and Low-Cost Super-Hydrophobic N-CNTs@SS Cathodes for High-Capacity, High-Rate, and Stable Li-Air Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702242	21.8	88
27	Three-dimensional interconnected Ni(Fe)OxHy nanosheets on stainless steel mesh as a robust integrated oxygen evolution electrode. <i>Nano Research</i> , <b>2018</b> , 11, 1294-1300	10	76
26	Amorphous, Crystalline and Crystalline/Amorphous Selenium Nanowires and Their Different (De)Lithiation Mechanisms. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6730-6736	9.6	73
25	High-Performance Integrated Self-Package Flexible Li-O Battery Based on Stable Composite Anode and Flexible Gas Diffusion Layer. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700378	24	67
24	Tailoring Oxygen Vacancies of BiVO <sub>4</sub> toward Highly Efficient Noble-Metal-Free Electrocatalyst for Artificial N <sub>2</sub> Fixation under Ambient Conditions. <i>Small Methods</i> , <b>2019</b> , 3, 1800333	12.8	61

23	Synthesis of Crystalline/Amorphous Core/Shell MoO <sub>3</sub> Composites through a Controlled Dehydration Route and Their Enhanced Ethanol Sensing Properties. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 569-575	3.5	47
22	Composition-tunable synthesis of clean H <sub>2</sub> gas via a one-step synthesis of metal-free pyridinic-N-enriched self-supported CNTs: the synergy of electrocatalyst pyrolysis temperature and potential. <i>Green Chemistry</i> , <b>2017</b> , 19, 4284-4288	10	44
21	Mechanical ball-milling preparation of fullerene/cobalt core/shell nanocomposites with high electrochemical hydrogen storage ability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2902-9	9.5	40
20	ZnO/ZnS heterostructured nanorod arrays and their efficient photocatalytic hydrogen evolution. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12728-34	4.8	40
19	The preparation of Co <sub>9</sub> S <sub>8</sub> and CoS <sub>2</sub> nanoparticles by a high energy ball-milling method and their electrochemical hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 9300-9306	6.7	35
18	Mechanical ball-milling preparation of mass sandwich-like cobalt-graphene nanocomposites with high electrochemical hydrogen storage ability. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6731	13	34
17	Ball-milling preparation of one-dimensional Co-carbon nanotube and Co-carbon nanofiber core/shell nanocomposites with high electrochemical hydrogen storage ability. <i>Journal of Power Sources</i> , <b>2014</b> , 255, 318-324	8.9	33
16	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9564-9569	3.6	30
15	Epitaxial growth route to crystalline TiO <sub>2</sub> nanobelts with optimizable electrochemical performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 368-73	9.5	26
14	ZnO Nanorod Arrays and Hollow Spheres through a Facile Room-Temperature Solution Route and Their Enhanced Ethanol Gas-Sensing Properties. <i>ChemPlusChem</i> , <b>2013</b> , 78, 1266-1272	2.8	24
13	One pot, two phases: individual orthorhombic and face-centered cubic ZnSnO <sub>3</sub> obtained synchronously in one solution. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12289-96	5.1	22
12	Cadmium hydroxide nanowires show high capacity Ni <sup>2+</sup> /Cd battery anode materials without memory effect. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13922		20
11	Synthesis of Mesoporous MoO <sub>3</sub> Nanoribbons through a Multi-molybdate Coordination-Polymer-Precursor Route. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 5831-5836	2.3	16
10	A binder-free, flexible cathode for rechargeable Na-O <sub>2</sub> batteries. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 1172-1179	11.3	15
9	Topotactic conversion route to ultrafine crystalline TiO <sub>2</sub> nanotubes with optimizable electrochemical performance. <i>RSC Advances</i> , <b>2013</b> , 3, 6531	3.7	12
8	Intracell Hydrogen Adsorption-Transmission in a Co <sub>2</sub> P Solid Hydrogen-Storage Material. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 3371-3375	2.3	10
7	Copper tetrazolate based metal-organic frameworks as highly efficient catalysts for artificially chemical and electrochemical CO <sub>2</sub> conversion. <i>Nano Select</i> , <b>2020</b> , 1, 311-319	3.1	9
6	Charge carrier dynamics investigation of Cu <sub>2</sub> S/In <sub>2</sub> S <sub>3</sub> heterostructures for the conversion of dinitrogen to ammonia via photo-electrocatalytic reduction. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10497-10507	13	6

5	Flattening sol-gel nanospheres into a carbon sheet-intercalated cobalt/carbon/cobalt sandwich-nanostructure. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 645-650	6.8	4
4	Electrostatic Trapping of Double-Stranded DNA Based on Cd(OH) <sub>2</sub> Three-Side Nanobelt Architectures. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1953-1959	3.8	3
3	Synthesis of Cd(OH)Cl hollow nano-spires from a dipolar binary liquid system and their conversion to Cd(OH) <sub>2</sub> hollow nano-spires. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 815	3.6	2
2	Macroporous ZnO Nanofilms and its Electrochemical Hydrogen Storage Ability. <i>Advanced Materials Research</i> , <b>2012</b> , 457-458, 815-818	0.5	2
1	Regulation of the electronic structure of perovskites to improve the electrocatalytic performance for the nitrogen-reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 2819-2825	13	