

# Zhang Zhang

## List of Publications by Citations

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33  
papers

1,638  
citations

19  
h-index

35  
g-index

35  
ext. papers

2,003  
ext. citations

8.9  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
33	The First Introduction of Graphene to Rechargeable Li-CO <sub>2</sub> Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6550-3	16.4	245
32	Metal-CO Batteries on the Road: CO from Contamination Gas to Energy Source. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605891	24	169
31	Rechargeable Li-CO <sub>2</sub> batteries with carbon nanotubes as air cathodes. <i>Chemical Communications</i> , <b>2015</b> , 51, 14636-9	5.8	150
30	Hierarchical Carbon-Nitrogen Architectures with Both Mesopores and Macrochannels as Excellent Cathodes for Rechargeable LiO <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6826-6833	15.6	145
29	Verifying the Rechargeability of Li-CO Batteries on Working Cathodes of Ni Nanoparticles Highly Dispersed on N-Doped Graphene. <i>Advanced Science</i> , <b>2018</b> , 5, 1700567	13.6	117
28	Yolk-Shell MnO@ZnMn O /N-C Nanorods Derived from MnO /ZIF-8 as Anode Materials for Lithium Ion Batteries. <i>Small</i> , <b>2016</b> , 12, 5564-5571	11	103
27	Identification of cathode stability in LiO <sub>2</sub> batteries with Cu nanoparticles highly dispersed on N-doped graphene. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3218-3223	13	94
26	A composite of Co nanoparticles highly dispersed on N-rich carbon substrates: an efficient electrocatalyst for Li-O(2) battery cathodes. <i>Chemical Communications</i> , <b>2014</b> , 50, 776-8	5.8	81
25	Exploiting Synergistic Effect by Integrating Ruthenium-Copper Nanoparticles Highly Co-Dispersed on Graphene as Efficient Air Cathodes for LiO <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802805	21.8	69
24	CuO Nanoplates for High-Performance Potassium-Ion Batteries. <i>Small</i> , <b>2019</b> , 15, e1901775	11	67
23	Two better than one: cobalt-copper bimetallic yolk-shell nanoparticles supported on graphene as excellent cathode catalysts for LiO <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17874-17879	13	50
22	High-performance particulate matter including nanoscale particle removal by a self-powered air filter. <i>Nature Communications</i> , <b>2020</b> , 11, 1653	17.4	50
21	Co <sub>3</sub> O <sub>4</sub> Hollow Nanoparticles and Co Organic Complexes Highly Dispersed on N-Doped Graphene: An Efficient Cathode Catalyst for Li-O <sub>2</sub> Batteries. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 680-685	3.1	35
20	Flexible Antimony@Carbon Integrated Anode for High-Performance Potassium-Ion Battery. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000199	6.8	33
19	The First Introduction of Graphene to Rechargeable LiO <sub>2</sub> Batteries. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6650-6653	3.6	31
18	Design of ultralong-life LiO <sub>2</sub> batteries with IrO <sub>2</sub> nanoparticles highly dispersed on nitrogen-doped carbon nanotubes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3763-3770	13	31
17	Self-assembled ionic nanofibers derived from amino acids for high-performance particulate matter removal. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4619-4625	13	28

16	K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> nanorods for potassium-ion battery anodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 841, 51-55	4.1	27
15	Constructing hierarchical MnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> heterostructure hollow spheres for high-performance Li-Ion batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 437, 226904	8.9	21
14	Li-N Batteries: A Reversible Energy Storage System?. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17782-17787	16.4	18
13	Super impact stable TATB explosives recrystallized by bicarbonate ionic liquids with a record solubility. <i>Scientific Reports</i> , <b>2020</b> , 10, 4477	4.9	14
12	Designing high-performance hypergolic propellants based on materials genome. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	13
11	Is it Always Chemical When Amino Groups Come Across CO? Anion-Anion-Interaction-Induced Inhibition of Chemical Adsorption. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 6536-6542	3.4	10
10	Construction of hierarchical honeycomb-like MnCo <sub>2</sub> S <sub>4</sub> nanosheets as integrated cathodes for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 859, 157815	5.7	8
9	Insensitive ionic bio-energetic materials derived from amino acids. <i>Scientific Reports</i> , <b>2017</b> , 7, 12744	4.9	7
8	Diversified development of CO <sub>2</sub> in energy storage. <i>Green Chemical Engineering</i> , <b>2020</b> , 1, 79-81	3	5
7	Experimental and Theoretical Studies on Effects of Structural Modification of Tin Nanoclusters for Third-Order Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1885-1892	5.1	5
6	Hydrogen-Bonding-Driven Ion-Pair Formation in Protic Ionic Liquid Aqueous Solution. <i>ChemPhysChem</i> , <b>2019</b> , 20, 3259-3268	3.2	3
5	Facile $\gamma$ irradiation synthesis of Pt/GA nanocomposite for catalytic reduction of 4-nitrophenol. <i>Green Energy and Environment</i> , <b>2020</b> , 6, 734-734	5.7	3
4	Bio-Based Antimicrobial Ionic Materials Fully Composed of Natural Products for Elevated Air Purification. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 2000046	5.9	2
3	Li-N <sub>2</sub> Batteries: A Reversible Energy Storage System?. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17946-17951	3.6	2
2	Titelbild: Li-N <sub>2</sub> Batteries: A Reversible Energy Storage System? (Angew. Chem. 49/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17645-17645	3.6	1
1	High performance task-specific ionic liquid in uranium extraction endowed with negatively charged effect. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 336, 116601	6	1