Zhang Zhang

List of Publications by Year in Descending Order

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	Construction of hierarchical honeycomb-like MnCo2S4 nanosheets as integrated cathodes for hybrid supercapacitors. *Journal of Alloys and Compounds*, **2021**, 859, 157815	5.7	8
32	Experimental and Theoretical Studies on Effects of Structural Modification of Tin Nanoclusters for Third-Order Nonlinear Optical Properties. *Inorganic Chemistry*, **2021**, 60, 1885-1892	5.1	5
31	High performance task-specific ionic liquid in uranium extraction endowed with negatively charged effect. *Journal of Molecular Liquids*, **2021**, 336, 116601	6	1
30	Bio-Based Antimicrobial Ionic Materials Fully Composed of Natural Products for Elevated Air Purification. *Advanced Sustainable Systems*, **2020**, 4, 2000046	5.9	2
29	Super impact stable TATB explosives recrystallized by bicarbonate ionic liquids with a record solubility. *Scientific Reports*, **2020**, 10, 4477	4.9	14
28	High-performance particulate matter including nanoscale particle removal by a self-powered air filter. *Nature Communications*, **2020**, 11, 1653	17.4	50
27	Design of ultralong-life Li□O2 batteries with IrO2 nanoparticles highly dispersed on nitrogen-doped carbon nanotubes. *Journal of Materials Chemistry A*, **2020**, 8, 3763-3770	13	31
26	Facile □ray irradiation synthesis of Pt/GA nanocomposite for catalytic reduction of 4-nitrophenol. *Green Energy and Environment*, **2020**, 6, 734-734	5.7	3
25	Designing high-performance hypergolic propellants based on materials genome. *Science Advances*, **2020**, 6,	14.3	13
24	Diversified development of CO2 in energy storage. *Green Chemical Engineering*, **2020**, 1, 79-81	3	5
23	Flexible Antimony@Carbon Integrated Anode for High-Performance Potassium-Ion Battery. *Advanced Materials Technologies*, **2020**, 5, 2000199	6.8	33
22	K2Ti6O13 nanorods for potassium-ion battery anodes. *Journal of Electroanalytical Chemistry*, **2019**, 841, 51-55	4.1	27
21	Constructing hierarchical MnO2/Co3O4 heterostructure hollow spheres for high-performance Li-Ion batteries. *Journal of Power Sources*, **2019**, 437, 226904	8.9	21
20	Is it Always Chemical When Amino Groups Come Across CO? Anion-Anion-Interaction-Induced Inhibition of Chemical Adsorption. *Journal of Physical Chemistry B*, **2019**, 123, 6536-6542	3.4	10
19	CuO Nanoplates for High-Performance Potassium-Ion Batteries. *Small*, **2019**, 15, e1901775	11	67
18	Li-N Batteries: A Reversible Energy Storage System?. *Angewandte Chemie - International Edition*, **2019**, 58, 17782-17787	16.4	18
17	Hydrogen-Bonding-Driven Ion-Pair Formation in Protic Ionic Liquid Aqueous Solution. *ChemPhysChem*, **2019**, 20, 3259-3268	3.2	3

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16	Li-N2 Batteries: A Reversible Energy Storage System?. *Angewandte Chemie*, **2019**, 131, 17946-17951	3.6	2
15	Self-assembled ionic nanofibers derived from amino acids for high-performance particulate matter removal. *Journal of Materials Chemistry A*, **2019**, 7, 4619-4625	13	28
14	Titelbild: Li-N2 Batteries: A Reversible Energy Storage System? (Angew. Chem. 49/2019). *Angewandte Chemie*, **2019**, 131, 17645-17645	3.6	1
13	Exploiting Synergistic Effect by Integrating Ruthenium□Copper Nanoparticles Highly Co-Dispersed on Graphene as Efficient Air Cathodes for Li□O2 Batteries. *Advanced Energy Materials*, **2019**, 9, 1802805	21.8	69
12	Identification of cathode stability in Li□O2 batteries with Cu nanoparticles highly dispersed on N-doped graphene. *Journal of Materials Chemistry A*, **2018**, 6, 3218-3223	13	94
11	Verifying the Rechargeability of Li-CO Batteries on Working Cathodes of Ni Nanoparticles Highly Dispersed on N-Doped Graphene. *Advanced Science*, **2018**, 5, 1700567	13.6	117
10	Metal-CO Batteries on the Road: CO from Contamination Gas to Energy Source. *Advanced Materials*, **2017**, 29, 1605891	24	169
9	Insensitive ionic bio-energetic materials derived from amino acids. *Scientific Reports*, **2017**, 7, 12744	4.9	7
8	Yolk-Shell MnO@ZnMn O /N-C Nanorods Derived from □MnO /ZIF-8 as Anode Materials for Lithium Ion Batteries. *Small*, **2016**, 12, 5564-5571	11	103
7	Two better than one: cobalt□copper bimetallic yolk□shell nanoparticles supported on graphene as excellent cathode catalysts for Li□O2 batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17874-17879	13	50
6	Rechargeable Li-CO2 batteries with carbon nanotubes as air cathodes. *Chemical Communications*, **2015**, 51, 14636-9	5.8	150
5	The First Introduction of Graphene to Rechargeable Li□O2 Batteries. *Angewandte Chemie*, **2015**, 127, 6650-6653	3.6	31
4	The First Introduction of Graphene to Rechargeable Li-CO2 Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 6550-3	16.4	245
3	Co3O4 Hollow Nanoparticles and Co Organic Complexes Highly Dispersed on N-Doped Graphene: An Efficient Cathode Catalyst for Li-O2 Batteries. *Particle and Particle Systems Characterization*, **2015**, 32, 680-685	3.1	35
2	A composite of Co nanoparticles highly dispersed on N-rich carbon substrates: an efficient electrocatalyst for Li-O(2) battery cathodes. *Chemical Communications*, **2014**, 50, 776-8	5.8	81
1	Hierarchical Carbon□Nitrogen Architectures with Both Mesopores and Macrochannels as Excellent Cathodes for Rechargeable Li□O2 Batteries. *Advanced Functional Materials*, **2014**, 24, 6826-6833	15.6	145