Lina Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44 papers	1,288 citations	15 h-index	35 g-index
53 ext. papers	1,548 ext. citations	9 avg, IF	5.05 L-index

#	Paper	IF	Citations
44	Spectroscopic characterization and photochemistry of the Criegee intermediate CFC(H)OO.. *Journal of Environmental Sciences*, **2022**, 114, 160-169	6.4	
43	Iodine-doped fibrous sulfurized polyacrylonitrile with accelerated reaction kinetics. *Composites Communications*, **2022**, 30, 101078	6.7	0
42	Spectroscopic Identification of the Heterocumulenic Isocyanatoborane Radical HBNCO.. *Journal of Physical Chemistry Letters*, **2022**, 13, 2619-2624	6.4	0
41	An ionic liquid enhanced gel polymer electrolyte for high performance lithium-metal batteries based on sulfurized polyacrylonitrile cathode. *Composites Communications*, **2022**, 31, 101100	6.7	0
40	Matrix-isolated trifluoromethylthiyl radical: sulfur atom transfer, isomerization and oxidation reactions. *Chemical Communications*, **2021**, 57, 12143-12146	5.8	1
39	Controllable synthesis of sulfurized polyacrylonitrile nanofibers for high performance lithium‐sulfur batteries. *Composites Communications*, **2021**, 24, 100675	6.7	9
38	Two Competing Reactions of Sulfurized Polyacrylonitrile Produce High-Performance Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 25002-25009	9.5	6
37	A dendrite-free composite Li metal anode enabled by lithiophilic Co, N codoped porous carbon nanofibers. *Journal of Power Sources*, **2021**, 483, 229188	8.9	10
36	Generation and Characterization of the C3O2⁻Anion with an Unexpected Unsymmetrical Structure. *Angewandte Chemie*, **2021**, 133, 4568-4573	3.6	
35	Generation and Characterization of the C O Anion with an Unexpected Unsymmetrical Structure. *Angewandte Chemie - International Edition*, **2021**, 60, 4518-4523	16.4	3
34	Metal-Organic-Framework-Derived Porous Carbon Embedded with TiO 2 Nanoparticles as a Cathode for Advanced Lithium‐Sulfur Batteries. *ChemElectroChem*, **2021**, 8, 90-95	4.3	8
33	Synthesis and characterization of phosphorous(III) diisocyanate and triisocyanate. *Dalton Transactions*, **2021**, 50, 3299-3307	4.3	0
32	Hierarchical porous carbon nanofibers with lithiophilic metal oxide crystalline grains for long-life Li metal anodes. *Composites Communications*, **2021**, 26, 100789	6.7	1
31	Photochemistry of HNSO in cryogenic matrices: spectroscopic identification of the intermediates and mechanism. *Physical Chemistry Chemical Physics*, **2020**, 22, 7975-7983	3.6	4
30	Hydrogen-Atom Tunneling in Metaphosphorous Acid. *Chemistry - A European Journal*, **2020**, 26, 8174	4.8	
29	Capture of the Sulfur Monoxide-Hydroxyl Radical Complex. *Journal of the American Chemical Society*, **2020**, 142, 2175-2179	16.4	13
28	3-Nitrene-2-formylthiophene and 3-Nitrene-2-formylfuran: Matrix Isolation, Conformation, and Rearrangement Reactions. *Journal of Physical Chemistry A*, **2020**, 124, 3786-3794	2.8	1

27	Self-assembly of MoO-decorated carbon nanofiber interlayers for high-performance lithium-sulfur batteries. *Physical Chemistry Chemical Physics*, **2020**, 22, 2157-2163	3.6	17
26	In-situ synthesis of microspherical Sb@C composite anode with high tap density for lithium/sodium-ion batteries. *Composites Communications*, **2020**, 17, 177-181	6.7	20
25	Fe-doped LiMnPO4@C nanofibers with high Li-ion diffusion coefficient. *Carbon*, **2020**, 158, 102-109	10.4	27
24	In-situ reducing synthesis of MoP@nitrogen-doped carbon nanofibers as an anode material for lithium/sodium-ion batteries. *Electrochimica Acta*, **2020**, 358, 136921	6.7	11
23	The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide. *Angewandte Chemie - International Edition*, **2020**, 59, 21949-21953	16.4	4
22	R□ktitelbild: The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide (Angew. Chem. 49/2020). *Angewandte Chemie*, **2020**, 132, 22452-22452	3.6	
21	Titanium-Containing Metal□Organic Framework Modified Separator for Advanced Lithium□Sulfur Batteries. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12968-12975	8.3	28
20	The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide. *Angewandte Chemie*, **2020**, 132, 22133-22137	3.6	0
19	Spectroscopic identification of the □SNO isomers. *Journal of Chemical Physics*, **2020**, 153, 094303	3.9	1
18	Hydrogen-Atom Tunneling in Metaphosphorous Acid. *Chemistry - A European Journal*, **2020**, 26, 8205-8208	4.8	7
17	Dihalogenated Methylperoxy Radicals: Spectroscopic Characterization and Photodecomposition by Release of HO. *Chemistry - A European Journal*, **2020**, 26, 2817-2820	4.8	3
16	Effect of soluble sulfur species on the electrochemical behavior of lithium□sulfur batteries with dual-phase electrolytes. *Sustainable Energy and Fuels*, **2019**, 3, 1966-1970	5.8	5
15	Sulfurized Polyacrylonitrile Cathodes with High Compatibility in Both Ether and Carbonate Electrolytes for Ultrastable Lithium□Sulfur Batteries. *Advanced Functional Materials*, **2019**, 29, 1902929	15.6	87
14	Positive Surface Pseudocapacitive Behavior-Induced Fast and Large Li-ion Storage in Mesoporous LiMnPO @C Nanofibers. *ChemSusChem*, **2019**, 12, 3817-3826	8.3	12
13	The Simplest, Isolable, Alkynyl Isocyanate HC?CNCO: Synthesis and Characterization. *Angewandte Chemie - International Edition*, **2019**, 58, 17277-17281	16.4	5
12	The Simplest, Isolable, Alkynyl Isocyanate HC?CNCO: Synthesis and Characterization. *Angewandte Chemie*, **2019**, 131, 17437-17441	3.6	
11	A rechargeable metal-free full-liquid sulfur□bromine battery for sustainable energy storage. *Journal of Materials Chemistry A*, **2018**, 6, 20737-20745	13	5
10	Three-dimensional hierarchical porous TiO2/graphene aerogels as promising anchoring materials for lithium-sulfur batteries. *Electrochimica Acta*, **2018**, 292, 568-574	6.7	30

9	Assessment on the Self-Discharge Behavior of Lithium-Sulfur Batteries with LiNO-Possessing Electrolytes. *ACS Applied Materials & Interfaces*, **2018**, 10, 35175-35183	9.5	32
8	To mitigate self-discharge of lithium–sulfur batteries by optimizing ionic liquid electrolytes. *Energy and Environmental Science*, **2016**, 9, 224-231	35.4	159
7	Graphene-Supported Nitrogen and Boron Rich Carbon Layer for Improved Performance of Lithium–Sulfur Batteries Due to Enhanced Chemisorption of Lithium Polysulfides. *Advanced Energy Materials*, **2016**, 6, 1501733	21.8	140
6	Sulfur-Based Catholyte Solution with a Glass-Ceramic Membrane for Li–S Batteries. *ChemElectroChem*, **2016**, 3, 152-157	4.3	24
5	A scalable hybrid separator for a high performance lithium-sulfur battery. *Chemical Communications* , **2015**, 51, 6996-9	5.8	43
4	A high performance lithium-ion sulfur battery based on a Li2S cathode using a dual-phase electrolyte. *Energy and Environmental Science*, **2015**, 8, 1551-1558	35.4	197
3	In Situ Synthesis of Bipyramidal Sulfur with 3D Carbon Nanotube Framework for Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2014**, 24, 2248-2252	15.6	97
2	N-Methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide-based organic electrolyte for high performance lithium–sulfur batteries. *Journal of Power Sources*, **2013**, 236, 207-214	8.9	82
1	High-performance rechargeable lithium-iodine batteries using triiodide/iodide redox couples in an aqueous cathode. *Nature Communications*, **2013**, 4, 1896	17.4	193