

Lina Wang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3454268/lina-wang-publications-by-year.pdf>
Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 160-169	6.4	
43	Iodine-doped fibrous sulfurized polyacrylonitrile with accelerated reaction kinetics. <i>Composites Communications</i> , 2022 , 30, 101078	6.7	0
42	Spectroscopic Identification of the Heterocumulenenic Isocyanatoborane Radical HBNCO.. <i>Journal of Physical Chemistry Letters</i> , 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. <i>Composites Communications</i> , 2022 , 31, 101100	6.7	0
40	Matrix-isolated trifluoromethylthiyl radical: sulfur atom transfer, isomerization and oxidation reactions. <i>Chemical Communications</i> , 2021 , 57, 12143-12146	5.8	1
39	Controllable synthesis of sulfurized polyacrylonitrile nanofibers for high performance lithium-sulfur batteries. <i>Composites Communications</i> , 2021 , 24, 100675	6.7	9
38	Two Competing Reactions of Sulfurized Polyacrylonitrile Produce High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25002-25009	9.5	6
37	A dendrite-free composite Li metal anode enabled by lithiophilic Co, N codoped porous carbon nanofibers. <i>Journal of Power Sources</i> , 2021 , 483, 229188	8.9	10
36	Generation and Characterization of the C3O2 ⁻ Anion with an Unexpected Unsymmetrical Structure. <i>Angewandte Chemie</i> , 2021 , 133, 4568-4573	3.6	
35	Generation and Characterization of the C O Anion with an Unexpected Unsymmetrical Structure. <i>Angewandte Chemie - International Edition</i> , 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. <i>ChemElectroChem</i> , 2021 , 8, 90-95	4.3	8
33	Synthesis and characterization of phosphorous(III) diisocyanate and triisocyanate. <i>Dalton Transactions</i> , 2021 , 50, 3299-3307	4.3	0
32	Hierarchical porous carbon nanofibers with lithiophilic metal oxide crystalline grains for long-life Li metal anodes. <i>Composites Communications</i> , 2021 , 26, 100789	6.7	1
31	Photochemistry of HNSO in cryogenic matrices: spectroscopic identification of the intermediates and mechanism. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 7975-7983	3.6	4
30	Hydrogen-Atom Tunneling in Metaphosphorous Acid. <i>Chemistry - A European Journal</i> , 2020 , 26, 8174	4.8	
29	Capture of the Sulfur Monoxide-Hydroxyl Radical Complex. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2175-2179	16.4	13
28	3-Nitrene-2-formylthiophene and 3-Nitrene-2-formylfuran: Matrix Isolation, Conformation, and Rearrangement Reactions. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 3786-3794	2.8	1

27	Self-assembly of MoO ₃ -decorated carbon nanofiber interlayers for high-performance lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 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. <i>Composites Communications</i> , 2020 , 17, 177-181	6.7	20
25	Fe-doped LiMnPO ₄ @C nanofibers with high Li-ion diffusion coefficient. <i>Carbon</i> , 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. <i>Electrochimica Acta</i> , 2020 , 358, 136921	6.7	11
23	The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21949-21953	16.4	4
22	Rücktitelbild: The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide (Angew. Chem. 49/2020). <i>Angewandte Chemie</i> , 2020 , 132, 22452-22452	3.6	
21	Titanium-Containing Metal-Organic Framework Modified Separator for Advanced Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12968-12975	8.3	28
20	The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide. <i>Angewandte Chemie</i> , 2020 , 132, 22133-22137	13.7	0
19	Spectroscopic identification of the BSNO isomers. <i>Journal of Chemical Physics</i> , 2020 , 153, 094303	3.9	1
18	Hydrogen-Atom Tunneling in Metaphosphorous Acid. <i>Chemistry - A European Journal</i> , 2020 , 26, 8205-8209	4.8	7
17	Dihalogenated Methylperoxy Radicals: Spectroscopic Characterization and Photodecomposition by Release of HO. <i>Chemistry - A European Journal</i> , 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. <i>Sustainable Energy and Fuels</i> , 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. <i>Advanced Functional Materials</i> , 2019 , 29, 1902929	15.6	87
14	Positive Surface Pseudocapacitive Behavior-Induced Fast and Large Li-ion Storage in Mesoporous LiMnPO ₄ @C Nanofibers. <i>ChemSusChem</i> , 2019 , 12, 3817-3826	8.3	12
13	The Simplest, Isolable, Alkynyl Isocyanate HC≡CNCNCO: Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17277-17281	16.4	5
12	The Simplest, Isolable, Alkynyl Isocyanate HC≡CNCNCO: Synthesis and Characterization. <i>Angewandte Chemie</i> , 2019 , 131, 17437-17441	3.6	
11	A rechargeable metal-free full-liquid sulfur-bromine battery for sustainable energy storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20737-20745	13	5
10	Three-dimensional hierarchical porous TiO ₂ /graphene aerogels as promising anchoring materials for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 292, 568-574	6.7	30

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