

# Liang Chen

## List of Publications by Year in descending order

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29  
papers

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citations

394421

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501196

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Oxygen vacancy assisted low-temperature synthesis of P-doped Co <sub>3</sub> O <sub>4</sub> with enhanced activity towards oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162038.	5.5	17
2	A facile electrospinning strategy for fibrous Ni <sub>x</sub> S <sub>y</sub> quantum dots @ N doped carbon nanofibers as high-performance Li-ion battery anodes. <i>Materials Today Communications</i> , 2022, 31, 103652.	1.9	4
3	High rate capability of S-doped ordered mesoporous carbon materials with directional arrangement of carbon layers and large d-spacing for sodium-ion battery. <i>Electrochimica Acta</i> , 2021, 366, 137466.	5.2	37
4	Etching engineering on controllable synthesis of etched N-doped hierarchical porous carbon toward efficient oxygen reduction reaction in zinc-air batteries. <i>Materials Today Energy</i> , 2021, 20, 100670.	4.7	11
5	An Overview of Heteroatoms-doped Carbon Nanomaterials for Advanced Energy Storage and Conversion Systems. <i>Current Chinese Chemistry</i> , 2021, 1, .	0.4	0
6	A facile self-catalyzed CVD method to synthesize Fe <sub>3</sub> C/N-doped carbon nanofibers as lithium storage anode with improved rate capability and cyclability. <i>Journal of Materials Science and Technology</i> , 2020, 44, 229-236.	10.7	37
7	Au-Cu nanoalloy/TiO <sub>2</sub> /MoS <sub>2</sub> ternary hybrid with enhanced photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153440.	5.5	29
8	Ammonia Thermal Treatment toward Topological Defects in Porous Carbon for Enhanced Carbon Dioxide Electroreduction. <i>Advanced Materials</i> , 2020, 32, e2001300.	21.0	130
9	3D N, S-co-doped carbon nanotubes/graphene/MnS ternary hybrid derived from Hummers' method for highly efficient oxygen reduction reaction. <i>Materials Today Energy</i> , 2020, 16, 100402.	4.7	13
10	Effect of two-step doping pathway on the morphology, structure, composition, and electrochemical performance of three-dimensional N,S-codoped graphene framework. <i>Journal of Materials Research</i> , 2019, 34, 1993-2002.	2.6	8
11	Tailoring NaVO <sub>3</sub> as a novel stable cathode for lithium rechargeable batteries. <i>Electrochimica Acta</i> , 2019, 307, 224-231.	5.2	7
12	Ultrafine CuO nanoparticles decorated activated tube-like carbon as advanced anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019, 296, 206-213.	5.2	33
13	Three-dimensional nitrogen-doped carbon nanotubes/carbon nanofragments complexes for efficient metal-free electrocatalyst towards oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6158-6166.	7.1	17
14	Nitrogen-doped holey carbon nanotubes: Dual polysulfides trapping effect towards enhanced lithium-sulfur battery performance. <i>Applied Surface Science</i> , 2018, 454, 284-292.	6.1	23
15	Edge-Rich Quasi-Mesoporous Nitrogen-Doped Carbon Framework Derived from Palm Tree Bark Hair for Electrochemical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27047-27055.	8.0	49
16	Self-Integrated Porous Leaf-Like CuO Nanoplate Array-Based Anodes for High-Performance Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 2774-2780.	3.4	17
17	A facile N doping strategy to prepare mass-produced pyrrolic N-enriched carbon fibers with enhanced lithium storage properties. <i>Electrochimica Acta</i> , 2018, 278, 106-113.	5.2	31
18	In situ growth of single-stranded like poly (o-phenylenediamine) onto graphene for high performance supercapacitors. <i>Electrochimica Acta</i> , 2017, 245, 41-50.	5.2	50

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19	Hydrothermal preparation of nitrogen, boron co-doped curved graphene nanoribbons with high dopant amounts for high-performance lithium sulfur battery cathodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7403-7415.	10.3	93
20	Co <sub>9</sub> S <sub>8</sub> nanoparticles embedded in a N, S co-doped graphene-unzipped carbon nanotube composite as a high performance electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1014-1021.	10.3	99
21	Three-Dimensional Hierarchical Porous Nitrogen and Sulfur-Codoped Graphene Nanosheets for Oxygen Reduction in Both Alkaline and Acidic Media. <i>ChemCatChem</i> , 2017, 9, 987-996.	3.7	41
22	Different types of nitrogen species in nitrogen-doped carbon material: The formation mechanism and catalytic role on oxygen reduction reaction. <i>Electrochimica Acta</i> , 2017, 245, 957-966.	5.2	40
23	NaV <sub>3</sub> O <sub>8</sub> Nanoplates as a Lithium-Ion Battery Cathode with Superior Rate Capability and Cycle Stability. <i>ChemElectroChem</i> , 2016, 3, 122-129.	3.4	20
24	Chemical modification of pristine carbon nanotubes and their exploitation as the carbon hosts for lithium-sulfur batteries. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21850-21860.	7.1	35
25	Preparation, Characterization, and Lithium Intercalation Behavior of LiVO <sub>3</sub> Cathode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3242-3249.	3.1	21
26	Influence of Carbon Precursors on the Structure, Composition, and Oxygen Reduction Reaction Performance of Nitrogen-Doped Carbon Materials. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28757-28765.	3.1	45
27	Facile synthesis of nitrogen-doped unzipped carbon nanotubes and their electrochemical properties. <i>RSC Advances</i> , 2015, 5, 8175-8181.	3.6	21
28	Nanoplate-stacked baguette-like LiVO <sub>3</sub> as a high performance cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8750-8755.	10.3	27
29	A nitrogen-doped unzipped carbon nanotube/sulfur composite as an advanced cathode for lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2015, 39, 8901-8907.	2.8	17