

Liang Chen

List of Publications by Year in descending order

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29
papers

972
citations

394421

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501196

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30
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia Thermal Treatment toward Topological Defects in Porous Carbon for Enhanced Carbon Dioxide Electroreduction. <i>Advanced Materials</i> , 2020, 32, e2001300.	21.0	130
2	Co ₉ S ₈ 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
3	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
4	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
5	Edge-Rich Quasi-Mesoporous Nitrogen-Doped Carbon Framework Derived from Palm Tree Bark Hair for Electrochemical Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27047-27055.	8.0	49
6	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
7	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
8	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
9	A facile self-catalyzed CVD method to synthesize Fe ₃ 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
10	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
11	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
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	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
14	Au-Cu nanoalloy/TiO ₂ /MoS ₂ ternary hybrid with enhanced photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153440.	5.5	29
15	Nanoplate-stacked baguette-like LiVO ₃ as a high performance cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8750-8755.	10.3	27
16	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
17	Facile synthesis of nitrogen-doped unzipped carbon nanotubes and their electrochemical properties. <i>RSC Advances</i> , 2015, 5, 8175-8181.	3.6	21
18	Preparation, Characterization, and Lithium Intercalation Behavior of LiVO ₃ Cathode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3242-3249.	3.1	21

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19	NaV ₃ O ₈ Nanoplates as a Lithium-ion Battery Cathode with Superior Rate Capability and Cycle Stability. ChemElectroChem, 2016, 3, 122-129.	3.4	20
20	A nitrogen-doped unzipped carbon nanotube/sulfur composite as an advanced cathode for lithium-sulfur batteries. New Journal of Chemistry, 2015, 39, 8901-8907.	2.8	17
21	Three-dimensional nitrogen-doped carbon nanotubes/carbon nanofragments complexes for efficient metal-free electrocatalyst towards oxygen reduction reaction. International Journal of Hydrogen Energy, 2018, 43, 6158-6166.	7.1	17
22	Self-Integrated Porous Leaf-Like CuO Nanoplate Array-Based Anodes for High-Performance Lithium-ion Batteries. ChemElectroChem, 2018, 5, 2774-2780.	3.4	17
23	Oxygen vacancy assisted low-temperature synthesis of P-doped Co ₃ O ₄ with enhanced activity towards oxygen evolution reaction. Journal of Alloys and Compounds, 2022, 894, 162038.	5.5	17
24	3D N, S-co-doped carbon nanotubes/graphene/MnS ternary hybrid derived from Hummers' method for highly efficient oxygen reduction reaction. Materials Today Energy, 2020, 16, 100402.	4.7	13
25	Etching engineering on controllable synthesis of etched N-doped hierarchical porous carbon toward efficient oxygen reduction reaction in zinc-air batteries. Materials Today Energy, 2021, 20, 100670.	4.7	11
26	Effect of two-step doping pathway on the morphology, structure, composition, and electrochemical performance of three-dimensional N,S-codoped graphene framework. Journal of Materials Research, 2019, 34, 1993-2002.	2.6	8
27	Tailoring NaVO ₃ as a novel stable cathode for lithium rechargeable batteries. Electrochimica Acta, 2019, 307, 224-231.	5.2	7
28	A facile electrospinning strategy for fibrous Ni _x S _y quantum dots @ N doped carbon nanofibers as high-performance Li-ion battery anodes. Materials Today Communications, 2022, 31, 103652.	1.9	4
29	An Overview of Heteroatoms-doped Carbon Nanomaterials for Advanced Energy Storage and Conversion Systems. Current Chinese Chemistry, 2021, 1, .	0.4	0