

Long Qie

List of Publications by Year in descending order

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51
papers

8,947
citations

109264

35
h-index

189801

50
g-index

52
all docs

52
docs citations

52
times ranked

11163
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-Doped Porous Carbon Nanofiber Webs as Anodes for Lithium Ion Batteries with a Superhigh Capacity and Rate Capability. <i>Advanced Materials</i> , 2012, 24, 2047-2050.	11.1	1,541
2	Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 2497.	15.6	1,053
3	MOF-Derived Porous ZnO/ZnFe ₂ O ₄ /C Octahedra with Hollow Interiors for High-Rate Lithium-Ion Batteries. <i>Advanced Materials</i> , 2014, 26, 6622-6628.	11.1	703
4	Functionalized N-doped interconnected carbon nanofibers as an anode material for sodium-ion storage with excellent performance. <i>Carbon</i> , 2013, 55, 328-334.	5.4	589
5	Biomass derived hard carbon used as a high performance anode material for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12733.	5.2	582
6	Intercalation-conversion hybrid cathodes enabling Li-S full-cell architectures with jointly superior gravimetric and volumetric energy densities. <i>Nature Energy</i> , 2019, 4, 374-382.	19.8	449
7	Sulfur-Doped Carbon with Enlarged Interlayer Distance as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1500195.	5.6	446
8	A High Energy Lithium-Sulfur Battery with Ultrahigh-Loading Lithium Polysulfide Cathode and its Failure Mechanism. <i>Advanced Energy Materials</i> , 2016, 6, 1502459.	10.2	282
9	A Facile Layer-by-Layer Approach for High-Areal-Capacity Sulfur Cathodes. <i>Advanced Materials</i> , 2015, 27, 1694-1700.	11.1	270
10	Highly Rechargeable Lithium-CO ₂ Batteries with a Boron- and Nitrogen-Codoped Holey-Graphene Cathode. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6970-6974.	7.2	260
11	Flexible Membranes of MoS ₂ /C Nanofibers by Electrospinning as Binder-Free Anodes for High-Performance Sodium-Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 9254.	1.6	255
12	Redirected Zn Electrodeposition by an Anti-Corrosion Elastic Constraint for Highly Reversible Zn Anodes. <i>Advanced Functional Materials</i> , 2021, 31, 2001867.	7.8	216
13	Lanthanum nitrate as aqueous electrolyte additive for favourable zinc metal electrodeposition. <i>Nature Communications</i> , 2022, 13, .	5.8	174
14	High-performance lithium storage in nitrogen-enriched carbon nanofiber webs derived from polypyrrole. <i>Electrochimica Acta</i> , 2013, 106, 320-326.	2.6	160
15	The 2021 battery technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 183001.	1.3	158
16	Superior lithium storage performance in nanoscaled MnO promoted by N-doped carbon webs. <i>Nano Energy</i> , 2013, 2, 412-418.	8.2	145
17	Recent progress in developing Li ₂ S cathodes for Li-S batteries. <i>Energy Storage Materials</i> , 2020, 27, 279-296.	9.5	114
18	High-Energy-Density Lithium-Sulfur Batteries Based on Blade-Cast Pure Sulfur Electrodes. <i>ACS Energy Letters</i> , 2016, 1, 46-51.	8.8	109

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19	Gravimetric and volumetric energy densities of lithium-sulfur batteries. <i>Current Opinion in Electrochemistry</i> , 2017, 6, 92-99.	2.5	100
20	An integrally-designed, flexible polysulfide host for high-performance lithium-sulfur batteries with stabilized lithium-metal anode. <i>Nano Energy</i> , 2016, 26, 224-232.	8.2	95
21	Facile synthesis of sandwiched Zn ₂ GeO ₄ @graphene oxide nanocomposite as a stable and high-capacity anode for lithium-ion batteries. <i>Nanoscale</i> , 2014, 6, 924-930.	2.8	90
22	Microwave-Induced In-Situ Synthesis of Zn ₂ GeO ₄ /N-Doped Graphene Nanocomposites and Their Lithium Storage Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 6027-6033.	1.7	83
23	High-Capacity and Long-Life Zinc Electrodeposition Enabled by a Self-Healable and Desolvation Shield for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	80
24	Controllable Synthesis of Hollow Bipyramid $\text{I}^2\text{-MnO}_2$ and Its High Electrochemical Performance for Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3047-3053.	4.0	78
25	Insight into the improvement of rate capability and cyclability in LiFePO ₄ /polyaniline composite cathode. <i>Electrochimica Acta</i> , 2011, 56, 2689-2695.	2.6	77
26	Revisit of Polypyrrole as Cathode Material for Lithium-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1624-A1629.	1.3	77
27	A dendrite-eating separator for high-areal-capacity lithium-metal batteries. <i>Energy Storage Materials</i> , 2020, 31, 181-186.	9.5	71
28	Self-templated synthesis of hollow porous submicron ZnMn ₂ O ₄ sphere as anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2013, 559, 5-10.	2.8	66
29	VO ₂ /TiO ₂ Nanosponges as Binder-Free Electrodes for High-Performance Supercapacitors. <i>Scientific Reports</i> , 2015, 5, 16012.	1.6	63
30	Manipulating Sulfur Mobility Enables Advanced Li-S Batteries. <i>Matter</i> , 2019, 1, 1047-1060.	5.0	63
31	A highly reversible, dendrite-free zinc metal anodes enabled by a dual-layered interface. <i>Energy Storage Materials</i> , 2022, 47, 491-499.	9.5	55
32	SnO ₂ -based composite coaxial nanocables with multi-walled carbon nanotube and polypyrrole as anode materials for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2011, 13, 1431-1434.	2.3	44
33	Insight into Fe Incorporation in Li ₃ V ₂ (PO ₄) ₃ /C Cathode Material. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1573-A1578.	1.3	42
34	Uniform Li ₂ S precipitation on N,O-codoped porous hollow carbon fibers for high-energy-density lithium-sulfur batteries with superior stability. <i>Chemical Communications</i> , 2016, 52, 10964-10967.	2.2	42
35	Semi-Flooded Sulfur Cathode with Ultralean Absorbed Electrolyte in Li-S Battery. <i>Advanced Science</i> , 2020, 7, 1903168.	5.6	40
36	The Failure Mechanism of Lithium-Sulfur Batteries under Lean-Ether-Electrolyte Conditions. <i>Energy Storage Materials</i> , 2021, 38, 255-261.	9.5	37

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37	Ionic-Liquid-Assisted Synthesis of Self-Assembled TiO ₂ -B Nanosheets under Microwave Irradiation and Their Enhanced Lithium Storage Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5320-5328.	1.0	28
38	Two-Plateau Li-Se Chemistry for High Volumetric Capacity Se Cathodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13908-13914.	7.2	26
39	Electrochemical performance in Na-incorporated nonstoichiometric LiFePO ₄ /C composites with controllable impurity phases. <i>Electrochimica Acta</i> , 2012, 62, 416-423.	2.6	25
40	Expandable-graphite-derived graphene for next-generation battery chemistries. <i>Journal of Power Sources</i> , 2015, 284, 60-67.	4.0	25
41	Lithiophilic anchor points enabling endogenous symbiotic Li ₃ N interface for homogeneous and stable lithium electrodeposition. <i>Nano Energy</i> , 2022, 93, 106836.	8.2	25
42	Highly Rechargeable Lithium-CO ₂ Batteries with a Boron- and Nitrogen-Codoped Holey-Graphene Cathode. <i>Angewandte Chemie</i> , 2017, 129, 7074-7078.	1.6	24
43	In-situ crosslinked Zn ²⁺ -conducting polymer complex interphase with synergistic anion shielding and cation regulation for high-rate and dendrite-free zinc metal anodes. <i>Chemical Engineering Journal</i> , 2022, 448, 137653.	6.6	18
44	A Stretchable Ionic Conductive Elastomer for High-Areal Capacity Lithium-Metal Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 337-343.	7.3	16
45	Enhancing the Interfacial Ionic Transport via <i>in Situ</i> 3D Composite Polymer Electrolytes for Solid-State Lithium Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 7200-7207.	2.5	15
46	Facile Synthesis of Sn/Nitrogen-Doped Reduced Graphene Oxide Nanocomposites with Superb Lithium Storage Properties. <i>Nanomaterials</i> , 2019, 9, 1084.	1.9	13
47	Two-Plateau Li-Se Chemistry for High Volumetric Capacity Se Cathodes. <i>Angewandte Chemie</i> , 2020, 132, 14012-14018.	1.6	9
48	High-Capacity and Long-Life Zinc Electrodeposition Enabled by a Self-Healable and Desolvation Shield for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, e202114789.	1.6	8
49	A long-life and safe lithiated graphite-selenium cell with competitive gravimetric and volumetric energy densities. <i>Journal of Energy Chemistry</i> , 2021, 60, 556-563.	7.1	4
50	Anti-Corrosion Elastic Constraints: Redirected Zn Electrodeposition by an Anti-Corrosion Elastic Constraint for Highly Reversible Zn Anodes (<i>Adv. Funct. Mater.</i> 2/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170009.	7.8	2
51	Editorial: Nanocarbons: Basics and Advanced Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 657941.	1.8	0