Long Qie

List of Publications by Year
in descending order

51 papers	8,947 citations	109321 35 h-index	189892 50 g-index
52 all docs	52 docs citations	52 times ranked	11163 citing authors

#	Article	IF	Citations
1	Nitrogenâ€Doped Porous Carbon Nanofiber Webs as Anodes for Lithium Ion Batteries with a Superhigh Capacity and Rate Capability. Advanced Materials, 2012, 24, 2047-2050.	21.0	1,541
2	Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors. Energy and Environmental Science, 2013, 6, 2497.	30.8	1,053
3	MOFâ€Derived Porous ZnO/ZnFe₂O₄/C Octahedra with Hollow Interiors for Highâ€Rate Lithiumâ€Ion Batteries. Advanced Materials, 2014, 26, 6622-6628.	21.0	703
4	Functionalized N-doped interconnected carbon nanofibers as an anode material for sodium-ion storage with excellent performance. Carbon, 2013, 55, 328-334.	10.3	589
5	Biomass derived hard carbon used as a high performance anode material for sodium ion batteries. Journal of Materials Chemistry A, 2014, 2, 12733.	10.3	582
6	Intercalation-conversion hybrid cathodes enabling Liâ€“S full-cell architectures with jointly superior gravimetric and volumetric energy densities. Nature Energy, 2019, 4, 374-382.	39.5	449
7	Sulfurâ€Doped Carbon with Enlarged Interlayer Distance as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Science, 2015, 2, 1500195.	11.2	446
8	A High Energy Lithiumâ€Sulfur Battery with Ultrahighâ€Loading Lithium Polysulfide Cathode and its Failure Mechanism. Advanced Energy Materials, 2016, 6, 1502459.	19.5	282
9	A Facile Layerâ€byâ€Layer Approach for Highâ€Arealâ€Capacity Sulfur Cathodes. Advanced Materials, 2015, 27, 1694-1700.	21.0	270
10	Highly Rechargeable Lithiumâ€CO₂ Batteries with a Boronâ€and Nitrogenâ€Codoped Holeyâ€Graphene Cathode. Angewandte Chemie - International Edition, 2017, 56, 6970-6974.	13.8	260
11	Flexible Membranes of MoS2/C Nanofibers by Electrospinning as Binder-Free Anodes for High-Performance Sodium-Ion Batteries. Scientific Reports, 2015, 5, 9254.	3.3	255
12	Redirected Zn Electrodeposition by an Antiâ€Corrosion Elastic Constraint for Highly Reversible Zn Anodes. Advanced Functional Materials, 2021, 31, 2001867.	14.9	216
13	Lanthanum nitrate as aqueous electrolyte additive for favourable zinc metal electrodeposition. Nature Communications, 2022, 13, .	12.8	174
14	High-performance lithium storage in nitrogen-enriched carbon nanofiber webs derived from polypyrrole. Electrochimica Acta, 2013, 106, 320-326.	5.2	160
15	The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001.	2.8	158
16	Superior lithium storage performance in nanoscaled MnO promoted by N-doped carbon webs. Nano Energy, 2013, 2, 412-418.	16.0	145
17	Recent progress in developing Li2S cathodes for Liâ€“S batteries. Energy Storage Materials, 2020, 27, 279-296.	18.0	114
18	High-Energy-Density Lithiumâ€“Sulfur Batteries Based on Blade-Cast Pure Sulfur Electrodes. ACS Energy Letters, 2016, 1, 46-51.	17.4	109

#	Article	IF	Citations
19	Gravimetric and volumetric energy densities of lithium-sulfur batteries. Current Opinion in Electrochemistry, 2017, 6, 92-99.	4.8	100
20	An integrally-designed, flexible polysulfide host for high-performance lithium-sulfur batteries with stabilized lithium-metal anode. Nano Energy, 2016, 26, 224-232.	16.0	95
21	Facile synthesis of sandwiched Zn₂GeO₄â€“graphene oxide nanocomposite as a stable and high-capacity anode for lithium-ion batteries. Nanoscale, 2014, 6, 924-930.	5.6	90
22	Microwaveâ€Induced Inâ€…Situ Synthesis of Zn₂GeO₄/Nâ€Doped Graphene Nanocomposites and Their Lithiumâ€Storage Properties. Chemistry - A European Journal, 2013, 19, 6027-6033.	3.3	83
23	Highâ€Capacity and Longâ€Life Zinc Electrodeposition Enabled by a Selfâ€Healable and Desolvation Shield for Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	80
24	Controllable Synthesis of Hollow Bipyramid Î²-MnO₂ and Its High Electrochemical Performance for Lithium Storage. ACS Applied Materials & Interfaces, 2012, 4, 3047-3053.	8.0	78
25	Insight into the improvement of rate capability and cyclability in LiFePO4/polyaniline composite cathode. Electrochimica Acta, 2011, 56, 2689-2695.	5.2	77
26	Revisit of Polypyrrole as Cathode Material for Lithium-Ion Battery. Journal of the Electrochemical Society, 2012, 159, A1624-A1629.	2.9	77
27	A â€œdendrite-eatingâ€•separator for high-areal-capacity lithium-metal batteries. Energy Storage Materials, 2020, 31, 181-186.	18.0	71
28	Self-templated synthesis of hollow porous submicron ZnMn2O4 sphere as anode for lithium-ion batteries. Journal of Alloys and Compounds, 2013, 559, 5-10.	5.5	66
29	VO2/TiO2 Nanosponges as Binder-Free Electrodes for High-Performance Supercapacitors. Scientific Reports, 2015, 5, 16012.	3.3	63
30	Manipulating Sulfur Mobility Enables Advanced Li-S Batteries. Matter, 2019, 1, 1047-1060.	10.0	63
31	A highly reversible, dendrite-free zinc metal anodes enabled by a dual-layered interface. Energy Storage Materials, 2022, 47, 491-499.	18.0	55
32	SnO2-based composite coaxial nanocables with multi-walled carbon nanotube and polypyrrole as anode materials for lithium-ion batteries. Electrochemistry Communications, 2011, 13, 1431-1434.	4.7	44
33	Insight into Fe Incorporation in Li₃V₂(PO₄)₃/C Cathode Material. Journal of the Electrochemical Society, 2012, 159, A1573-A1578.	2.9	42
34	Uniform Li2S precipitation on N,O-codoped porous hollow carbon fibers for high-energy-density lithiumâ€“sulfur batteries with superior stability. Chemical Communications, 2016, 52, 10964-10967.	4.1	42
35	Semiâ€Flooded Sulfur Cathode with Ultralean Absorbed Electrolyte in Liâ€“S Battery. Advanced Science, 2020, 7, 1903168.	11.2	40
36	The Failure Mechanism of Lithium-Sulfur Batteries under Lean-Ether-Electrolyte Conditions. Energy Storage Materials, 2021, 38, 255-261.	18.0	37

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37	Ionic-Liquid-Assisted Synthesis of Self-Assembled TiO2-B Nanosheets under Microwave Irradiation and Their Enhanced Lithium Storage Properties. European Journal of Inorganic Chemistry, 2013, 2013, 5320-5328.	2.0	28
38	Twoâ€Plateau Liâ€Se Chemistry for High Volumetric Capacity Se Cathodes. Angewandte Chemie - International Edition, 2020, 59, 13908-13914.	13.8	26
39	Electrochemical performance in Na-incorporated nonstoichiometric LiFePO4/C composites with controllable impurity phases. Electrochimica Acta, 2012, 62, 416-423.	5.2	25
40	Expandable-graphite-derived graphene for next-generation battery chemistries. Journal of Power Sources, 2015, 284, 60-67.	7.8	25
41	Lithiophilic anchor points enabling endogenous symbiotic Li3N interface for homogeneous and stable lithium electrodeposition. Nano Energy, 2022, 93, 106836.	16.0	25
42	Highly Rechargeable Lithiumâ€CO₂ Batteries with a Boronâ€and Nitrogenâ€Codoped Holeyâ€Graphene Cathode. Angewandte Chemie, 2017, 129, 7074-7078.	2.0	24
43	In-situ crosslinked Zn2+-conducting polymer complex interphase with synergistic anion shielding and cation regulation for high-rate and dendrite-free zinc metal anodes. Chemical Engineering Journal, 2022, 448, 137653.	12.7	18
44	A Stretchable Ionic Conductive Elastomer for Highâ€Arealâ€Capacity Lithiumâ€Metal Batteries. Energy and Environmental Materials, 2022, 5, 337-343.	12.8	16
45	Enhancing the Interfacial Ionic Transport via in Situ 3D Composite Polymer Electrolytes for Solid-State Lithium Batteries. ACS Applied Energy Materials, 2020, 3, 7200-7207.	5.1	15
46	Facile Synthesis of Sn/Nitrogen-Doped Reduced Graphene Oxide Nanocomposites with Superb Lithium Storage Properties. Nanomaterials, 2019, 9, 1084.	4.1	13
47	Twoâ€Plateau Liâ€Se Chemistry for High Volumetric Capacity Se Cathodes. Angewandte Chemie, 2020, 132, 14012-14018.	2.0	9
48	Highâ€Capacity and Longâ€Life Zinc Electrodeposition Enabled by a Selfâ€Healable and Desolvation Shield for Aqueous Zincâ€Ion Batteries. Angewandte Chemie, 2022, 134, e202114789.	2.0	8
49	A long-life and safe lithiated graphite-selenium cell with competitive gravimetric and volumetric energy densities. Journal of Energy Chemistry, 2021, 60, 556-563.	12.9	4
50	Antiâ€Corrosion Elastic Constraints: Redirected Zn Electrodeposition by an Antiâ€Corrosion Elastic Constraint for Highly Reversible Zn Anodes (Adv. Funct. Mater. 2/2021). Advanced Functional Materials, 2021, 31, 2170009.	14.9	2
51	Editorial: Nanocarbons: Basics and Advanced Applications. Frontiers in Chemistry, 2021, 9, 657941.	3.6	0