Dan Li

List of Publications by Year
in descending order

80 papers	14,708 citations	87888 38 h-index	62596 80 g-index
80 all docs	80 docs citations	80 times ranked	17472 citing authors

#	Article	IF	Citations
1	Processable aqueous dispersions of graphene nanosheets. Nature Nanotechnology, 2008, 3, 101-105.	31.5	8,393
2	An Inâ€Depth Study of Zn Metal Surface Chemistry for Advanced Aqueous Znâ€Ion Batteries. Advanced Materials, 2020, 32, e2003021.	21.0	707
3	Solvation Structure Design for Aqueous Zn Metal Batteries. Journal of the American Chemical Society, 2020, 142, 21404-21409.	13.7	680
4	Fluorinated interphase enables reversible aqueous zinc battery chemistries. Nature Nanotechnology, 2021, 16, 902-910.	31.5	560
5	Deeply understanding the Zn anode behaviour and corresponding improvement strategies in different aqueous Zn-based batteries. Energy and Environmental Science, 2020, 13, 3917-3949.	30.8	480
6	Hydrophobic Organicâ€Electrolyteâ€Protected Zinc Anodes for Aqueous Zinc Batteries. Angewandte Chemie - International Edition, 2020, 59, 19292-19296.	13.8	287
7	Highly Reversible and Large Lithium Storage in Mesoporous Si/C Nanocomposite Anodes with Silicon Nanoparticles Embedded in a Carbon Framework. Advanced Materials, 2014, 26, 6749-6755.	21.0	260
8	Design of a Solid Electrolyte Interphase for Aqueous Zn Batteries. Angewandte Chemie - International Edition, 2021, 60, 13035-13041.	13.8	239
9	Tuning the Electrolyte Solvation Structure to Suppress Cathode Dissolution, Water Reactivity, and Zn Dendrite Growth in Zincâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2104281.	14.9	225
10	Highly Reversible Aqueous Zinc Batteries enabled by Zincophilicâ€“Zincophobic Interfacial Layers and Interrupted Hydrogenâ€Bond Electrolytes. Angewandte Chemie - International Edition, 2021, 60, 18845-18851.	13.8	150
11	Germanium Anode with Excellent Lithium Storage Performance in a Germanium/Lithiumâ€“Cobalt Oxide Lithium-Ion Battery. ACS Nano, 2015, 9, 1858-1867.	14.6	148
12	A New Strategy for Achieving a High Performance Anode for Lithium Ion Batteriesâ€”Encapsulating Germanium Nanoparticles in Carbon Nanoboxes. Advanced Energy Materials, 2016, 6, 1501666.	19.5	111
13	Two-Dimensional NiSe₂/N-Rich Carbon Nanocomposites Derived from Ni-Hexamine Frameworks for Superb Na-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 34193-34201.	8.0	110
14	SnSb@carbon nanocable anchored on graphene sheets for sodium ion batteries. Nano Research, 2014, 7, 1466-1476.	10.4	108
15	Unique Structural Design and Strategies for Germaniumâ€Based Anode Materials Toward Enhanced Lithium Storage. Advanced Energy Materials, 2017, 7, 1700488.	19.5	103
16	Fabrication of Novel Ternary Three-Dimensional RuO₂/Graphitic-C₃N₄@reduced Graphene Oxide Aerogel Composites for Supercapacitors. ACS Sustainable Chemistry and Engineering, 2017, 5, 4982-4991.	6.7	85
17	Graphene-Loaded Bi₂Se₃: A Conversionâ€“Alloying-type Anode Material for Ultrafast Gravimetric and Volumetric Na Storage. ACS Applied Materials & Interfaces, 2018, 10, 30379-30387.	8.0	83
18	3D free-standing nitrogen-doped reduced graphene oxide aerogel as anode material for sodium ion batteries with enhanced sodium storage. Scientific Reports, 2017, 7, 4886.	3.3	82

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19	A unique sandwich-structured C/Ge/graphene nanocomposite as an anode material for high power lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 14115.	10.3	80
20	SnS2@C Hollow Nanospheres with Robust Structural Stability as High-Performance Anodes for Sodium Ion Batteries. Nano-Micro Letters, 2019, 11, 14.	27.0	80
21	Hollow carbon spheres with encapsulated germanium as an anode material for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 978-981.	10.3	75
22	Heterogeneous Structured Bi₂S₃/MoS₂@NC Nanoclusters: Exploring the Superior Rate Performance in Sodium/Potassium Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 42902-42910.	8.0	75
23	Achieving Ultrafast and Stable Na-Ion Storage in FeSe₂ Nanorods/Graphene Anodes by Controlling the Surface Oxide. ACS Applied Materials & Interfaces, 2018, 10, 22841-22850.	8.0	69
24	Hierarchical Bimetallic Selenides CoSe₂â€“MoSe₂/rGO for Sodium/Potassiumâ€Ion Batteries Anode: Insights into the Intercalation and Conversion Mechanism. Energy and Environmental Materials, 2022, 5, 627-636.	12.8	69
25	Carbonâ€Coated Li₃N Nanofibers for Advanced Hydrogen Storage. Advanced Materials, 2013, 25, 6238-6244.	21.0	66
26	Coupling of Metallic VSe₂ and Conductive Polypyrrole for Boosted Sodium-Ion Storage by Reinforced Conductivity Within and Outside. ACS Nano, 2022, 16, 7772-7782.	14.6	65
27	Coordination Polymers-Derived Three-Dimensional Hierarchical CoFe₂O₄ Hollow Spheres as High-Performance Lithium Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 28679-28685.	8.0	60
28	Ultrathin Cobaltosic Oxide Nanosheets as an Effective Sulfur Encapsulation Matrix with Strong Affinity Toward Polysulfides. ACS Applied Materials & Interfaces, 2017, 9, 4320-4325.	8.0	59
29	Self-assembled 3D ZnSnO3 hollow cubes@reduced graphene oxide aerogels as high capacity anode materials for lithium-ion batteries. Electrochimica Acta, 2016, 203, 84-90.	5.2	53
30	Heterostructured SnS/TiO₂@C hollow nanospheres for superior lithium and sodium storage. Nanoscale, 2019, 11, 12846-12852.	5.6	52
31	TiO 2 coated three-dimensional hierarchically ordered porous sulfur electrode for the lithium/sulfur rechargeable batteries. Energy, 2014, 75, 597-602.	8.8	49
32	Sb2S3-Bi2S3 microrods with the combined action of carbon encapsulation and rGO confinement for improving high cycle stability in sodium/potassium storage. Chemical Engineering Journal, 2021, 414, 128787.	12.7	46
33	Uniformly distributed TiO2 nanorods on reduced graphene oxide composites as anode material for high rate lithium ion batteries. Journal of Alloys and Compounds, 2019, 771, 885-891.	5.5	45
34	Enhanced rate performance of cobalt oxide/nitrogen doped graphene composite for lithium ion batteries. RSC Advances, 2013, 3, 5003.	3.6	44
35	Exploring sodium storage mechanism of topological insulator Bi2Te3 nanosheets encapsulated in conductive polymer. Energy Storage Materials, 2021, 41, 255-263.	18.0	44
36	Construction of CoP@C embedded into N/S-co-doped porous carbon sheets for superior lithium and sodium storage. Journal of Colloid and Interface Science, 2021, 582, 969-976.	9.4	42

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37	Enhanced electrochemical properties of LiFePO4 by Mo-substitution and graphitic carbon-coating via a facile and fast microwave-assisted solid-state reaction. Physical Chemistry Chemical Physics, 2012, 14, 3634.	2.8	40
38	Hollow CoS2@C nanocubes for high-performance sodium storage. Applied Surface Science, 2020, 519, 146268.	6.1	40
39	V 2 O 5 /Mesoporous Carbon Composite as a Cathode Material for Lithium-ion Batteries. Electrochimica Acta, 2015, 173, 172-177.	5.2	36
40	One-Step In Situ Preparation of Polymeric Selenium Sulfide Composite as a Cathode Material for Enhanced Sodium/Potassium Storage. ACS Applied Materials & Interfaces, 2019, 11, 29807-29813.	8.0	36
41	Carbonâ€Encapsulated Ni₃Se₄/CoSe₂ Heterostructured Nanospheres: Sodium/Potassiumâ€Ion Storage Anode with Prominent Electrochemical Properties. Small, 2022, 18, e2107258.	10.0	35
42	Construction of 3D architectures with Ni(HCO₃)₂ nanocubes wrapped by reduced graphene oxide for LIBs: ultrahigh capacity, ultrafast rate capability and ultralong cycle stability. Chemical Science, 2018, 9, 8682-8691.	7.4	34
43	TiO2 nanoparticles on nitrogen-doped graphene as anode material for lithium ion batteries. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	32
44	Hierarchical flower-like structures composed of cross-shaped vanadium dioxide nanobelts as superior performance anode for lithium and sodium ions batteries. Applied Surface Science, 2019, 480, 882-887.	6.1	31
45	Hydrophobic Organicâ€Electrolyteâ€Protected Zinc Anodes for Aqueous Zinc Batteries. Angewandte Chemie, 2020, 132, 19454-19458.	2.0	30
46	Capacitive behavior of glucose-derived porous activated carbon with different morphologies. Journal of Alloys and Compounds, 2019, 805, 426-435.	5.5	28
47	A self-assembled 3D urchin-like Ti_{0.8}Sn_{0.2}O₂â€“rGO hybrid nanostructure as an anode material for high-rate and long cycle life Li-ion batteries. Journal of Materials Chemistry A, 2017, 5, 8087-8094.	10.3	26
48	3D architectures with Co₂(OH)₂CO₃ nanowires wrapped by reduced graphene oxide as superior rate anode materials for Li-ion batteries. Nanoscale, 2019, 11, 21180-21187.	5.6	25
49	Rational design heterostructured bimetallic selenides for high capacity and durability sodium/potassium-ion storage. Chemical Engineering Journal, 2022, 430, 133176.	12.7	24
50	Hollow ZnSnO3 cubes@carbon/reduced graphene oxide ternary composite as anode of lithium ion batteries with enhanced electrochemical performance. Ceramics International, 2017, 43, 11556-11562.	4.8	23
51	A layered Bi₂Te₃ nanoplates/graphene composite with high gravimetric and volumetric performance for Na-ion storage. Sustainable Energy and Fuels, 2019, 3, 3163-3171.	4.9	23
52	Engineering Unique Ball-In-Ball Structured (Ni_{0.33}Co_{0.67})₉S₈@C Nanospheres for Advanced Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 27805-27812.	8.0	22
53	Microwaveâ€assisted Synthesis of Flowerâ€like Structure Ïµâ€MnO₂ as Cathode for Lithium Ion Batteries. Journal of the Chinese Chemical Society, 2012, 59, 1211-1215.	1.4	21
54	Unique Urchin-like Ca2Ge7O16 Hierarchical Hollow Microspheres as Anode Material for the Lithium Ion Battery. Scientific Reports, 2015, 5, 11326.	3.3	21

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55	Construction of uniform SnS2/ZnS heterostructure nanosheets embedded in graphene for advanced lithium-ion batteries. Journal of Alloys and Compounds, 2020, 820, 153147.	5.5	21
56	Ball-in-ball structured SnO2@FeOOH@C nanospheres toward advanced anode material for sodium ion batteries. Journal of Alloys and Compounds, 2020, 838, 155394.	5.5	21
57	Synthesis and electrochemical properties of nanosized carbon-coated Li1â^'3x La x FePO4 composites. Journal of Solid State Electrochemistry, 2010, 14, 889-895.	2.5	18
58	Electrospinning preparation of a graphene oxide nanohybrid protonâ€exchange membrane for fuel cells. Journal of Applied Polymer Science, 2018, 135, 46443.	2.6	18
59	One-step in situ encapsulation of Ge nanoparticles into porous carbon network with enhanced electron/ion conductivity for lithium storage. Rare Metals, 2021, 40, 2432-2439.	7.1	18
60	Hierarchical Porous Li2Mg(NH)2@C Nanowires with Long Cycle Life Towards Stable Hydrogen Storage. Scientific Reports, 2014, 4, 6599.	3.3	16
61	Design of a Solid Electrolyte Interphase for Aqueous Zn Batteries. Angewandte Chemie, 2021, 133, 13145-13151.	2.0	16
62	Fabrication of Coreâ€Shell Ni₂P@N, Pâ^'Coâ€Doped Carbon/Reduced Graphene Oxide Composite as Anode Material for Lithiumâ€and Sodiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 5492-5498.	3.4	15
63	Heterojunction-Promoted Sodium Ion Storage of Bimetallic Selenides Encapsulated in a Carbon Sheath with Boosted Ion Diffusion and Stable Structure. ACS Applied Materials & Interfaces, 2022, 14, 6926-6936.	8.0	15
64	Recent Developments in Alloyingâ€type Anode Materials for Potassiumâ€Ion Batteries. Chemistry - an Asian Journal, 2020, 15, 1648-1659.	3.3	14
65	Heterojunction interfacial promotion of fast and prolonged alkali-ion storage of urchin-like Nb₂O₅@C nanospheres. Journal of Materials Chemistry A, 2021, 9, 23467-23476.	10.3	13
66	Embedding ultrafine ZnSnO₃ nanoparticles into reduced graphene oxide composites as high-performance electrodes for lithium ion batteries. Nanotechnology, 2018, 29, 195401.	2.6	11
67	Highly Reversible Aqueous Zinc Batteries enabled by Zincophilicâ€“Zincophobic Interfacial Layers and Interrupted Hydrogenâ€Bond Electrolytes. Angewandte Chemie, 2021, 133, 18993-18999.	2.0	11
68	Anchoring ternary CoNiSn alloys nanoparticles on hollow architectured SnO2 for exceptional lithium storage performance. Journal of Power Sources, 2020, 450, 227626.	7.8	11
69	A Coordination Strategy for Ti_xSn_{1â€“x}O₂ Solid Solution Nanocubes Wrapped by Reduced Graphene Oxide as a Candidate for Lithiumâ€Ionâ€Battery Anodes. ChemElectroChem, 2018, 5, 3961-3967.	3.4	9
70	Advanced sodium storage properties of a porous nitrogen-doped carbon with a NiO/Cu/Cu₂O hetero-interface derived from bimetalâ€“organic frameworks. Chemical Communications, 2020, 56, 818-821.	4.1	9
71	FeOOH derived urchin-like Fe2O3@C as superior anode for sodium ion storage. Journal of Alloys and Compounds, 2021, 858, 157714.	5.5	9
72	Enhanced Electrochemical Performance of MoS₂ for Lithium Ion Batteries by Simple Chemical Lithiation. Journal of the Chinese Chemical Society, 2012, 59, 1196-1200.	1.4	8

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73	Constructing Hollow Ni_{0.2}Co_{0.8}S@rGO Composites at Low Temperature Conditions as Anode Material for Lithiumâ€ion batteries. ChemElectroChem, 2019, 6, 2331-2337.	3.4	8
74	Preparation and electrochemical performance of LiFePO4â˜†x F x /C nanorods by room-temperature solid-state reaction and microwave heating. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	7
75	Exploration of amorphous hollow FeOOH@C nanosphere on energy storage for sodium ion batteries. International Journal of Hydrogen Energy, 2021, 46, 26457-26465.	7.1	7
76	Minimal TiO₂ Coupled with Conductive Polymer-Stimulated Synergistic Effect on Fast and Reversible Sodium-Ion Storage for Bismuth Sulfide. ACS Applied Materials & Interfaces, 2021, 13, 55051-55059.	8.0	7
77	Preparation and characterization of Ag/C nanocables-modified nanosized C-LiFePO4. Journal of Nanoparticle Research, 2011, 13, 4815-4820.	1.9	6
78	Improved sodium storage properties of nickel sulfide nanoparticles decorated on reduced graphene oxide nanosheets as an advanced anode material. Nanotechnology, 2021, 32, 195406.	2.6	5
79	Cobalt-molybdenum binary metal sulfide wrapped by reduced graphene oxide for advanced sodium ion anode material. Chemical Physics, 2021, 547, 111191.	1.9	3
80	Hierarchical carbon-coated FeP derived from FeOOH with enhanced sodium-storage performance. Surface Innovations, 2021, 9, 285-292.	2.3	1