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List of Publications by Year in descending order

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91 papers	6,382 citations	71102 41 h-index	64796 79 g-index
91 all docs	91 docs citations	91 times ranked	8293 citing authors

#	Article	IF	Citations
1	Electrochemical Performance of MnO₂ Nanorods in Neutral Aqueous Electrolytes as a Cathode for Asymmetric Supercapacitors. Journal of Physical Chemistry C, 2009, 113, 14020-14027.	3.1	631
2	2D Sandwichâ€like Sheets of Iron Oxide Grown on Graphene as High Energy Anode Material for Supercapacitors. Advanced Materials, 2011, 23, 5574-5580.	21.0	526
3	Coreâ€“Shell Structure of Polypyrrole Grown on V₂O₅ Nanoribbon as High Performance Anode Material for Supercapacitors. Advanced Energy Materials, 2012, 2, 950-955.	19.5	469
4	Metal organic frameworks-derived Co₃O₄ hollow dodecahedrons with controllable interiors as outstanding anodes for Li storage. Journal of Materials Chemistry A, 2014, 2, 12194-12200.	10.3	353
5	Porous LiMn2O4 as cathode material with high power and excellent cycling for aqueous rechargeable lithium batteries. Energy and Environmental Science, 2011, 4, 3985.	30.8	333
6	A cheap asymmetric supercapacitor with high energy at high power: Activated carbon//K0.27MnO2Â·0.6H2O. Journal of Power Sources, 2010, 195, 2789-2794.	7.8	185
7	Coreâ€“Shell Structure of Hierarchical Quasiâ€Hollow MoS₂ Microspheres Encapsulated Porous Carbon as Stable Anode for Liâ€Ion Batteries. Small, 2014, 10, 4975-4981.	10.0	181
8	Strong Surfaceâ€Bound Sulfur in Conductive MoO₂ Matrix for Enhancing Liâ€“S Battery Performance. Advanced Materials Interfaces, 2015, 2, 1500048.	3.7	151
9	Electrolyte Design Enabling a Highâ€Safety and Highâ€Performance Si Anode with a Tailored Electrodeâ€“Electrolyte Interphase. Advanced Materials, 2021, 33, e2103178.	21.0	135
10	Ultrahigh-Capacity Organic Anode with High-Rate Capability and Long Cycle Life for Lithium-Ion Batteries. ACS Energy Letters, 2017, 2, 2140-2148.	17.4	124
11	Chitosan, a new and environmental benign electrode binder for use with graphite anode in lithium-ion batteries. Electrochimica Acta, 2013, 105, 378-383.	5.2	121
12	3D Interconnected and Multiwalled Carbon@MoS₂@Carbon Hollow Nanocables as Outstanding Anodes for Na-Ion Batteries. Small, 2016, 12, 6033-6041.	10.0	120
13	Composites of metal oxides and intrinsically conducting polymers as supercapacitor electrode materials: the best of both worlds?. Journal of Materials Chemistry A, 2019, 7, 14937-14970.	10.3	116
14	Anchoring Interfacial Nickel Cations on Single-Crystal LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode Surface via Controllable Electron Transfer. ACS Energy Letters, 2020, 5, 2421-2433.	17.4	109
15	Ordered mesoporous MoO2 as a high-performance anode material for aqueous supercapacitors. Journal of Power Sources, 2013, 237, 80-83.	7.8	100
16	Aluminum fumarate-based metal organic frameworks with tremella-like structure as ultrafast and stable anode for lithium-ion batteries. Nano Energy, 2017, 39, 200-210.	16.0	96
17	Graphene oxides-guided growth of ultrafine Co3O4 nanocrystallites from MOFs as high-performance anode of Li-ion batteries. Carbon, 2015, 92, 119-125.	10.3	89
18	Low-Cost Synthesis of Hierarchical V₂O₅ Microspheres as High-Performance Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 7671-7675.	8.0	86

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19	Coreâ€“shell sulfur@polypyrrole composites as high-capacity materials for aqueous rechargeable batteries. Nanoscale, 2013, 5, 1460.	5.6	86
20	An aqueous rechargeable lithium battery of high energy density based on coated Li metal and LiCoO2. Chemical Communications, 2013, 49, 6179.	4.1	85
21	Hard carbon: a promising lithium-ion battery anode for high temperature applications with ionic electrolyte. RSC Advances, 2012, 2, 4904.	3.6	79
22	Capacity loss induced by lithium deposition at graphite anode for LiFePO4/graphite cell cycling at different temperatures. Electrochimica Acta, 2013, 111, 802-808.	5.2	78
23	The effects of cross-linking cations on the electrochemical behavior of silicon anodes with alginate binder. Electrochimica Acta, 2018, 269, 405-414.	5.2	76
24	Study on different power and cycling performance of crystalline KxMnO2Â·nH2O asÂcathode material for supercapacitors in Li2SO4, Na2SO4, and K2SO4 aqueous electrolytes. Journal of Power Sources, 2013, 223, 56-61.	7.8	75
25	Ultrasmall Fe₃O₄ nanodots within N-doped carbon frameworks from MOFs uniformly anchored on carbon nanowebs for boosting Li-ion storage. Journal of Materials Chemistry A, 2018, 6, 3659-3666.	10.3	74
26	Improved Li-ion diffusion and stability of a LiNi_{0.5}Mn_{1.5}O₄ cathode through in situ co-doping with dual-metal cations and incorporation of a superionic conductor. Journal of Materials Chemistry A, 2017, 5, 145-154.	10.3	73
27	From Dispersed Microspheres to Interconnected Nanospheres: Carbon-Sandwiched Monolayered MoS₂ as High-Performance Anode of Li-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 22927-22934.	8.0	69
28	Strongly coupled 1D sandwich-like C@Fe₃O₄@C coaxial nanotubes with ultrastable and high capacity for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 18289-18295.	10.3	68
29	One-step hydrothermal synthesis of hexangular starfruit-like vanadium oxide for high power aqueous supercapacitors. Journal of Power Sources, 2012, 219, 253-257.	7.8	66
30	Confined synthesis of hierarchical structured LiMnPO4/C granules by a facile surfactant-assisted solid-state method for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 711-719.	10.3	59
31	Robust solid/electrolyte interphase on graphite anode to suppress lithium inventory loss in lithium-ion batteries. Carbon, 2017, 111, 291-298.	10.3	57
32	Dynamic bonded supramolecular binder enables high-performance silicon anodes in lithium-ion batteries. Journal of Power Sources, 2020, 463, 228208.	7.8	57
33	MOF-derived microporous carbon as a better choice for Na-ion batteries than mesoporous CMK-3. RSC Advances, 2014, 4, 64692-64697.	3.6	55
34	Quantitative Characterization of the Surface Evolution for LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂/Graphite Cell during Long-Term Cycling. ACS Applied Materials & Interfaces, 2017, 9, 12445-12452.	8.0	55
35	An Aqueous Electrochemical Energy Storage System Based on Doping and Intercalation: Ppy//LiMn₂O₄. ChemPhysChem, 2008, 9, 2299-2301.	2.1	54
36	Layer-by-Layer Polyelectrolyte Assisted Growth of 2D Ultrathin MoS2 Nanosheets on Various 1D Carbons for Superior Li-Storage. ACS Applied Materials & Interfaces, 2016, 8, 1398-1405.	8.0	54

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37	A monodispersed nano-hexahedral LiFePO4 with improved power capability by carbon-coatings. Journal of Alloys and Compounds, 2013, 579, 377-383.	5.5	53
38	Ultrafast Li-storage of MoS 2 nanosheets grown on metal-organic framework-derived microporous nitrogen-doped carbon dodecahedrons. Journal of Power Sources, 2016, 324, 1-7.	7.8	53
39	Overcoming the fundamental challenge of PVDF binder use with silicon anodes with a super-molecular nano-layer. Journal of Materials Chemistry A, 2021, 9, 1541-1551.	10.3	45
40	Constructing an elastic solid electrolyte interphase on graphite: a novel strategy suppressing lithium inventory loss in lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 10885-10894.	10.3	44
41	Correlation between lithium deposition on graphite electrode and the capacity loss for LiFePO 4 /graphite cells. Electrochimica Acta, 2015, 173, 323-330.	5.2	43
42	Enhancing electrochemical properties of graphite anode by using poly(methylmethacrylate)â€“poly(vinylidene fluoride) composite binder. Carbon, 2015, 92, 318-326.	10.3	43
43	A Binary Cyclic Carbonates-Based Electrolyte Containing Propylene Carbonate and Trifluoropropylene Carbonate for 5V Lithium-Ion Batteries. Electrochimica Acta, 2015, 167, 151-159.	5.2	43
44	Low crystallinity VOOH hollow microspheres as an outstanding high-rate and long-life cathode for sodium ion batteries. Journal of Materials Chemistry A, 2013, 1, 12404.	10.3	41
45	Controllable synthesis of spinel lithium nickel manganese oxide cathode material with enhanced electrochemical performances through a modified oxalate co-precipitation method. Journal of Power Sources, 2015, 274, 1180-1187.	7.8	40
46	Controllable solid electrolyte interphase precursor for stabilizing natural graphite anode in lithium ion batteries. Carbon, 2020, 159, 390-400.	10.3	40
47	Hierarchically assembled LiNi0.8Co0.1Mn0.1O2 secondary particles with high exposure of {010} plane synthesized via co-precipitation method. Electrochimica Acta, 2020, 329, 135057.	5.2	37
48	A novel maleic acid/graphite composite anode for lithium ion batteries with high energy and power density. Carbon, 2018, 132, 420-429.	10.3	34
49	Robust 3D nanowebs assembled from interconnected and sandwich-like C@Fe₃O₄@C coaxial nanocables for enhanced Li-ion storage. Journal of Materials Chemistry A, 2016, 4, 10314-10320.	10.3	33
50	Correlation between the physical parameters and the electrochemical performance of a silicon anode in lithium-ion batteries. Journal of Materiomics, 2019, 5, 164-175.	5.7	33
51	A trimethylol melamine functionalized polyvinyl alcohol network for high performance nano-silicon anodes. Journal of Materials Chemistry A, 2019, 7, 26029-26038.	10.3	33
52	Neuron like Si-carbon nanotubes composite as a high-rate anode of lithium ion batteries. Journal of Alloys and Compounds, 2019, 787, 928-934.	5.5	32
53	Implanting an electrolyte additive on a single crystal Ni-rich cathode surface for improved cycleability and safety. Journal of Materials Chemistry A, 2020, 8, 24579-24589.	10.3	31
54	Molecular design of a multifunctional binder via grafting and crosslinking for high performance silicon anodes. Journal of Materials Chemistry A, 2021, 9, 8416-8424.	10.3	30

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55	Nanoisland-like MoO₂ Embedded in N-Doped Carbon via Moâ€“N Bonds for Li-Ion Storage. ACS Applied Nano Materials, 2019, 2, 1883-1889.	5.0	29
56	Tailoring the Interplay between Ternary Composite Binder and Graphite Anodes toward High-Rate and Long-Life Li-Ion Batteries. Electrochimica Acta, 2016, 191, 70-80.	5.2	25
57	Oneâ€pot Syntheses of Spinel <scp>AB₂O₄</scp> (Aâ€‰=â€‰Ni or Co, Bâ€‰=â€‰Mn or Fe) Microspheres with Different Hollow Interiors for Supercapacitors Application. Chinese Journal of Chemistry, 2017, 35, 67-72.	4.9	25
58	Dimethylacrylamide, a novel electrolyte additive, can improve the electrochemical performances of silicon anodes in lithium-ion batteries. RSC Advances, 2019, 9, 435-443.	3.6	25
59	Engineered Si@alginate microcapsule-graphite composite electrode for next generation high-performance lithium-ion batteries. Electrochimica Acta, 2018, 270, 480-489.	5.2	24
60	Effectively stabilizing 5â€V spinel LiNi0.5Mn1.5O4 cathode in organic electrolyte by polyvinylidene fluoride coating. Applied Surface Science, 2018, 455, 349-356.	6.1	24
61	A high-capacity organic anode with self-assembled morphological transformation for green lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 22621-22630.	10.3	24
62	Simultaneous growth of SiOx/carbon bilayers on Si nanoparticles for improving cycling stability. Electrochimica Acta, 2019, 323, 134840.	5.2	24
63	Construction of symmetric aqueous rechargeable battery with high voltage based on NiFe2O4 hollow microspheres. Electrochemistry Communications, 2014, 40, 9-12.	4.7	23
64	Synergistic Ternary Composite (Carbon/Fe₃O₄@Graphene) with Hollow Microspherical and Robust Structure for Liâ€Ion Storage. Chemistry - A European Journal, 2016, 22, 376-381.	3.3	23
65	1-Hydroxyethylidene-1, 1-diphosphonic acid: A multifunctional interface modifier for eliminating HF in silicon anode. Energy Storage Materials, 2021, 42, 493-501.	18.0	23
66	An organic-skinned secondary coating for carbon-coated LiFePO4 cathode of high electrochemical performances. Electrochimica Acta, 2017, 258, 1244-1253.	5.2	22
67	Strongly Surfaceâ€Bonded MoO₂@Carbon Nanocomposites by Nitrogenâ€Doping with Outstanding Capability for Fast and Stable Li Storage. ChemNanoMat, 2018, 4, 1247-1253.	2.8	21
68	Fluoro-Ether as a Bifunctional Interphase Electrolyte Additive with Graphite/LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ Full Cell. ACS Applied Energy Materials, 2019, 2, 6404-6416.	5.1	19
69	A safe and superior propylene carbonate-based electrolyte with high-concentration Li salt. Pure and Applied Chemistry, 2014, 86, 585-591.	1.9	13
70	In-situ electrochemical coating of Ag nanoparticles onto graphite electrode with enhanced performance for Li-ion batteries. Electrochimica Acta, 2015, 155, 396-401.	5.2	13
71	A self-supported carbon nanofiber paper/sulfur anode with high-capacity and high-power for application in Li-ion batteries. Carbon, 2016, 110, 249-256.	10.3	13
72	A novel covalently grafted binder through in-situ polymerization for high-performance Si-based lithium-ion batteries. Electrochimica Acta, 2021, 400, 139442.	5.2	13

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73	Suppressing the dry bed-lake fracture of silicon anode via dispersant modification in electrode processing. Electrochimica Acta, 2019, 319, 682-689.	5.2	12
74	1D Hematite-[Î±-Fe2O3]-nanorods prepared by green fabrication for supercapacitor electrodes. Electrochemical Energy Technology, 2019, 5, 1-6.	1.2	12
75	Hollow Structured Carbon@FeSe Nanocomposite as a Promising Anode Material for Liâ€ion Batteries. ChemElectroChem, 2019, 6, 1393-1399.	3.4	12
76	In Situ Development of Elastic Solid Electrolyte Interphase via Nanoregulation and Self-Polymerization of Sodium Itaconate on Graphite Surface. ACS Applied Energy Materials, 2019, 2, 1336-1347.	5.1	11
77	Organic salts with unsaturated bond and diverse anions as substrates for solid electrolyte interphase on graphite anodes. Carbon, 2021, 183, 108-118.	10.3	11
78	A Facile Synthesis of Hematite Nanorods from Rice Starch and Their Application to Pb(II) Ions Removal. ChemistrySelect, 2019, 4, 3730-3736.	1.5	10
79	Simultaneously formed and embedding-type ternary MoSe₂/MoO₂/nitrogen-doped carbon for fast and stable Na-ion storage. Nanoscale Advances, 2020, 2, 1878-1885.	4.6	9
80	N-Methylacetamide as an electrolyte component for suppressing co-intercalation of propylene carbonate in lithium ion batteries. RSC Advances, 2016, 6, 65847-65853.	3.6	8
81	Partially Fluorinated Ether as an Electrolyte Additive to Modify Electrode Surface and Suppress Dissolution of Polysulfides in Li-S Batteries. Electrochemical Energy Technology, 2018, 4, 39-46.	1.2	8
82	In Situ Transformed Solid Electrolyte Interphase by Implanting a 4-Vinylbenzoic Acid Nanolayer on the Natural Graphite Surface. ACS Applied Materials & Interfaces, 2020, 12, 33408-33420.	8.0	7
83	Optimizing solid electrolyte interphase on graphite anode by adjusting the electrolyte solution structure with ionic liquid. Electrochimica Acta, 2018, 260, 640-647.	5.2	6
84	Submicrospherical and Porous Bi 2 S 3 Protected by Nitrogenâ€Doped Carbon for Practical Anode Fabrication of Liâ€ion Batteries. ChemNanoMat, 2020, 6, 598-603.	2.8	6
85	Organic skin layer with carboxyl and electron-withdrawing nitro groups to chemically bind with residual Li and Ni cations on single-crystal LiNi0.8Co0.1Mn0.1O2. Electrochimica Acta, 2022, 404, 139743.	5.2	6
86	Yolkâ€Shell Sb₂S₃@C Hollow Microspheres with Controllable Interiors for High Space Utilization and Structural Stability of Naâ€Storage. ChemNanoMat, 2022, 8, .	2.8	6
87	Green fabrication of sandwich-like and dodecahedral C@Fe3O4@C as high-performance anode for lithium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 2593-2600.	2.5	5
88	In Situ Polymerized and Imidized Si@Polyimide Microcapsules with Flexible Solidâ€Electrolyte Interphase and Enhanced Electrochemical Activity for Liâ€Storage. ChemElectroChem, 2022, 9, .	3.4	5
89	Is overprotection of the sulfur cathode good for Liâ€“S batteries?. Chemical Communications, 2015, 51, 12459-12462.	4.1	4
90	Hairy graphite of high electrochemical performances prepared through in-situ decoration of carbon nanotubes. Electrochimica Acta, 2017, 233, 229-236.	5.2	4

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91	Effects of Room Ionic Liquid as Solute on the Electrolyte Solution Structure and Electrochemical Performances in Ethylene Carbonate-Based Electrolyte. Journal of the Electrochemical Society, 2018, 165, A3844-A3853.	2.9	4