Haoshen Zhou

List of Publications by Year
in descending order

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562	54,489	668 122	2071 204
papers	citations	h-index	g-index

586	586	586	33450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large Reversible Li Storage of Graphene Nanosheet Families for Use in Rechargeable Lithium Ion Batteries. Nano Letters, 2008, 8, 2277-2282.	4.5	2,694
2	Towards sustainable and versatile energy storage devices: an overview of organic electrode materials. Energy and Environmental Science, 2013, 6, 2280.	15.6	1,213
3	Metalâ€“organic framework-based separator for lithiumâ€“sulfur batteries. Nature Energy, 2016, 1, .	19.8	1,059
4	Enhancing the performances of Li-ion batteries by carbon-coating: present and future. Chemical Communications, 2012, 48, 1201-1217.	2.2	832
5	The Design of a LiFePO₄/Carbon Nanocomposite With a Coreâ€“Shell Structure and Its Synthesis by an Inâ€…Situ Polymerization Restriction Method. Angewandte Chemie - International Edition, 2008, 47, 7461-7465.	7.2	816
6	Nanosize Effect on High-Rate Li-Ion Intercalation in LiCoO2Electrode. Journal of the American Chemical Society, 2007, 129, 7444-7452.	6.6	690
7	Lithium Storage in Ordered Mesoporous Carbon (CMK-3) with High Reversible Specific Energy Capacity and Good Cycling Performance. Advanced Materials, 2003, 15, 2107-2111.	11.1	570
8	Constructing a Superâ€Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. Angewandte Chemie - International Edition, 2020, 59, 9377-9381.	7.2	551
9	High-Energy Cathode Materials (Li₂MnO₃â€“LiMO₂) for Lithium-Ion Batteries. Journal of Physical Chemistry Letters, 2013, 4, 1268-1280.	2.1	546
10	Coreâ€“Shellâ€Structured CNT@RuO₂ Composite as a Highâ€Performance Cathode Catalyst for Rechargeable Liâ€“O₂ Batteries. Angewandte Chemie - International Edition, 2014, 53, 442-446.	7.2	495
11	Synthesis of Single Crystalline Spinel LiMn₂O₄ Nanowires for a Lithium Ion Battery with High Power Density. Nano Letters, 2009, 9, 1045-1051.	4.5	493
12	Nano active materials for lithium-ion batteries. Nanoscale, 2010, 2, 1294.	2.8	492
13	Nanomaterials for lithium ion batteries. Nano Today, 2006, 1, 28-33.	6.2	470
14	Challenges of non-aqueous Liâ€“O2 batteries: electrolytes, catalysts, and anodes. Energy and Environmental Science, 2013, 6, 1125.	15.6	453
15	Layered lithium transition metal oxide cathodes towards high energy lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 3680.	6.7	409
16	Superhydrophobic Perpendicular Nanopin Film by the Bottom-Up Process. Journal of the American Chemical Society, 2005, 127, 13458-13459.	6.6	401
17	Liâ^'Air Rechargeable Battery Based on Metal-free Graphene Nanosheet Catalysts. ACS Nano, 2011, 5, 3020-3026.	7.3	385
18	Critical Challenges in Rechargeable Aprotic Liâ€“O₂ Batteries. Advanced Energy Materials, 2016, 6, 1502303.	10.2	369

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19	Recent advances in titanium-based electrode materials for stationary sodium-ion batteries. Energy and Environmental Science, 2016, 9, 2978-3006.	15.6	368
20	Centimeterâ€Long V₂O₅ Nanowires: From Synthesis to Fieldâ€Emission, Electrochemical, Electrical Transport, and Photoconductive Properties. Advanced Materials, 2010, 22, 2547-2552.	11.1	359
21	A reversible long-life lithiumâ€“air battery in ambient air. Nature Communications, 2013, 4, 1817.	5.8	357
22	The Fabrication of an Upright-Standing Zinc Oxide Nanosheet for Use in Dye-Sensitized Solar Cells. Advanced Materials, 2005, 17, 2091-2094.	11.1	342
23	Polyanthraquinone as a Reliable Organic Electrode for Stable and Fast Lithium Storage. Angewandte Chemie - International Edition, 2015, 54, 13947-13951.	7.2	333
24	Aromatic porous-honeycomb electrodes for a sodium-organic energy storage device. Nature Communications, 2013, 4, 1485.	5.8	327
25	Constructing a Superâ€Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. Angewandte Chemie, 2020, 132, 9463-9467.	1.6	327
26	Li-CO2 Electrochemistry: A New Strategy for CO2 Fixation and Energy Storage. Joule, 2017, 1, 359-370.	11.7	325
27	A Layered P2â€•and O3â€Type Composite as a Highâ€Energy Cathode for Rechargeable Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 5894-5899.	7.2	321
28	Particle size dependence of the lithium storage capability and high rate performance of nanocrystalline anatase TiO2 electrode. Journal of Power Sources, 2007, 166, 239-243.	4.0	318
29	Olivine LiFePO₄: development and future. Energy and Environmental Science, 2011, 4, 805-817.	15.6	314
30	Sodium iron pyrophosphate: A novel 3.0 V iron-based cathode for sodium-ion batteries. Electrochemistry Communications, 2012, 24, 116-119.	2.3	313
31	Fe₂O₃nanocrystals anchored onto graphene nanosheets as the anode material for low-cost sodium-ion batteries. Chemical Communications, 2014, 50, 1215-1217.	2.2	297
32	Design and synthesis of self-ordered mesoporous nanocomposite through controlled in-situ crystallization. Nature Materials, 2004, 3, 65-72.	13.3	288
33	A Self-Ordered, Crystalline-Glass, Mesoporous Nanocomposite for Use as a Lithium-Based Storage Device with Both High Power and High Energy Densities. Angewandte Chemie - International Edition, 2005, 44, 797-802.	7.2	288
34	A reversible lithiumâ€“CO₂ battery with Ru nanoparticles as a cathode catalyst. Energy and Environmental Science, 2017, 10, 972-978.	15.6	285
35	A lithium-air battery with a potential to continuously reduce O2 from air for delivering energy. Journal of Power Sources, 2010, 195, 358-361.	4.0	274
36	Poly(benzoquinonyl sulfide) as a Highâ€Energy Organic Cathode for Rechargeable Li and Na Batteries. Advanced Science, 2015, 2, 1500124.	5.6	267

#	Article	IF	Citations
37	Direct Visualization of the Reversible O^{2â˜'}/O^{â˜'} Redox Process in Liâ€Rich Cathode Materials. Advanced Materials, 2018, 30, e1705197.	11.1	264
38	High-energy â€˜compositeâ€™ layered manganese-rich cathode materials via controlling Li2MnO3 phase activation for lithium-ion batteries. Physical Chemistry Chemical Physics, 2012, 14, 6584.	1.3	260
39	A quinone-based oligomeric lithium salt for superior Liâ€“organic batteries. Energy and Environmental Science, 2014, 7, 4077-4086.	15.6	259
40	Lithium Metal Extraction from Seawater. Joule, 2018, 2, 1648-1651.	11.7	254
41	Synthesis and electrochemical performance of nano-sized Li4Ti5O12 with double surface modification of Ti(III) and carbon. Journal of Materials Chemistry, 2009, 19, 6789.	6.7	248
42	Direct Atomicâ€Resolution Observation of Two Phases in the Li_{1.2}Mn_{0.567}Ni_{0.166}Co_{0.067}O₂ Cathode Material for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2013, 52, 5969-5973.	7.2	242
43	Ru/ITO: A Carbon-Free Cathode for Nonaqueous Liâ€“O₂ Battery. Nano Letters, 2013, 13, 4702-4707.	4.5	241
44	Mesoporous Titania Nanotubes: Their Preparation and Application as Electrode Materials for Rechargeable Lithium Batteries. Advanced Materials, 2007, 19, 3016-3020.	11.1	240
45	Solid-State Electrolytes for Lithium-Ion Batteries: Fundamentals, Challenges and Perspectives. Electrochemical Energy Reviews, 2019, 2, 574-605.	13.1	238
46	Controlled synthesis and quantum-size effect in gold-coated nanoparticles. Physical Review B, 1994, 50, 12052-12056.	1.1	231
47	Rechargeable Solidâ€State Liâ€“Air and Liâ€“S Batteries: Materials, Construction, and Challenges. Advanced Energy Materials, 2018, 8, 1701602.	10.2	229
48	High-Power Li-Metal Anode Enabled by Metal-Organic Framework Modified Electrolyte. Joule, 2018, 2, 2117-2132.	11.7	227
49	Li₃VO₄: A Promising Insertion Anode Material for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2013, 3, 428-432.	10.2	225
50	A self-defense redox mediator for efficient lithiumâ€“O₂ batteries. Energy and Environmental Science, 2016, 9, 1024-1030.	15.6	224
51	Ultrasound-Triggered Smart Drug Release from a Poly(dimethylsiloxane)â€“ Mesoporous Silica Composite. Advanced Materials, 2006, 18, 3083-3088.	11.1	223
52	Simultaneously Inhibiting Lithium Dendrites Growth and Polysulfides Shuttle by a Flexible MOFâ€Based Membrane in Liâ€“S Batteries. Advanced Energy Materials, 2018, 8, 1802130.	10.2	223
53	Synthesis of MnO2 Nanoparticles Confined in Ordered Mesoporous Carbon Using a Sonochemical Method. Advanced Functional Materials, 2005, 15, 381-386.	7.8	222
54	A Metalâ€“Organic Framework as a Multifunctional Ionic Sieve Membrane for Longâ€Life Aqueous Zincâ€“Iodide Batteries. Advanced Materials, 2020, 32, e2004240.	11.1	222

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55	Environmentally stable interface of layered oxide cathodes for sodium-ion batteries. Nature Communications, 2017, 8, 135.	5.8	218
56	Germanium Thin Film Protected Lithium Aluminum Germanium Phosphate for Solidâ€State Li Batteries. Advanced Energy Materials, 2018, 8, 1702374.	10.2	217
57	Quantum confinement in semiconductor heterostructure nanometer-size particles. Physical Review B, 1993, 47, 1359-1365.	1.1	215
58	High-performance symmetric sodium-ion batteries using a new, bipolar O3-type material, Na_{0.8}Ni_{0.4}Ti_{0.6}O₂. Energy and Environmental Science, 2015, 8, 1237-1244.	15.6	215
59	Electrochemical capacitance of self-ordered mesoporous carbon. Journal of Power Sources, 2003, 122, 219-223.	4.0	214
60	Status and prospects of polymer electrolytes for solid-state Liâ€“O₂ (air) batteries. Energy and Environmental Science, 2017, 10, 860-884.	15.6	211
61	Synthesis of Mesoporous Thin TiO2 Films with Hexagonal Pore Structures Using Triblock Copolymer Templates. Advanced Materials, 2001, 13, 1377-1380.	11.1	206
62	The water catalysis at oxygen cathodes of lithiumâ€“oxygen cells. Nature Communications, 2015, 6, 7843.	5.8	206
63	Bimetallic Cyanide-Bridged Coordination Polymers as Lithium Ion Cathode Materials: Core@Shell Nanoparticles with Enhanced Cyclability. Journal of the American Chemical Society, 2013, 135, 2793-2799.	6.6	205
64	Adverse effects of interlayer-gliding in layered transition-metal oxides on electrochemical sodium-ion storage. Energy and Environmental Science, 2019, 12, 825-840.	15.6	205
65	Exploration of Advanced Electrode Materials for Rechargeable Sodiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1800212.	10.2	204
66	Liâ€“CO₂ and Naâ€“CO₂ Batteries: Toward Greener and Sustainable Electrical Energy Storage. Advanced Materials, 2020, 32, e1903790.	11.1	200
67	Simultaneous voltammetric detection of dopamine and uric acid at their physiological level in the presence of ascorbic acid using poly(acrylic acid)-multiwalled carbon-nanotube composite-covered glassy-carbon electrode. Biosensors and Bioelectronics, 2007, 23, 74-80.	5.3	199
68	Mesoporous Carbon Nanofibers for Supercapacitor Application. Journal of Physical Chemistry C, 2009, 113, 1093-1097.	1.5	196
69	Study of the lithium/nickel ions exchange in the layered LiNi0.42Mn0.42Co0.16O2 cathode material for lithium ion batteries: experimental and first-principles calculations. Energy and Environmental Science, 2014, 7, 1068.	15.6	195
70	Fast Li-Ion Insertion into Nanosized LiMn₂O₄ without Domain Boundaries. ACS Nano, 2010, 4, 741-752.	7.3	194
71	Developing a â€œWaterâ€Defendableâ€•and â€œDendriteâ€Freeâ€•Lithiumâ€Metal Anode Using a Simple and Promising GeCl₄ Pretreatment Method. Advanced Materials, 2018, 30, e1705711.	11.1	186
72	New Insights into Improving Rate Performance of Lithiumâ€Rich Cathode Material. Advanced Materials, 2015, 27, 3915-3920.	11.1	185

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73	Exploring the electrochemical reaction mechanism of carbonate oxidation in Liâ€“air/CO₂ battery through tracing missing oxygen. Energy and Environmental Science, 2016, 9, 1650-1654.	15.6	183
74	From Liâ€“O₂ to Liâ€“Air Batteries: Carbon Nanotubes/Ionic Liquid Gels with a Tricontinuous Passage of Electrons, Ions, and Oxygen. Angewandte Chemie - International Edition, 2012, 51, 11062-11067.	7.2	180
75	Novel titanium-based O3-type NaTi_{0.5}Ni_{0.5}O₂as a cathode material for sodium ion batteries. Chemical Communications, 2014, 50, 457-459.	2.2	179
76	Layered phosphorus-like GeP₅: a promising anode candidate with high initial coulombic efficiency and large capacity for lithium ion batteries. Energy and Environmental Science, 2015, 8, 3629-3636.	15.6	179
77	An Energy Storage Principle using Bipolar Porous Polymeric Frameworks. Angewandte Chemie - International Edition, 2012, 51, 7850-7854.	7.2	177
78	Biosensing Properties of TitanateNanotube Films: Selective Detection of Dopamine in the Presence of Ascorbate and Uric Acid. Advanced Functional Materials, 2006, 16, 371-376.	7.8	176
79	Solar energy storage in the rechargeable batteries. Nano Today, 2017, 16, 46-60.	6.2	175
80	A high-energy-density and long-life initial-anode-free lithium battery enabled by a Li2O sacrificial agent. Nature Energy, 2021, 6, 653-662.	19.8	175
81	Direct Electrochemistry of Myoglobin in Titanate Nanotubes Film. Analytical Chemistry, 2005, 77, 8068-8074.	3.2	168
82	Nb2O5 nanobelts: A lithium intercalation host with large capacity and high rate capability. Electrochemistry Communications, 2008, 10, 980-983.	2.3	167
83	A Concentrated Ternaryâ€Salts Electrolyte for High Reversible Li Metal Battery with Slight Excess Li. Advanced Energy Materials, 2019, 9, 1803372.	10.2	167
84	High-surface vanadium oxides with large capacities for lithium-ion batteries: from hydrated aerogel to nanocrystalline VO2(B), V6O13 and V2O5. Journal of Materials Chemistry, 2011, 21, 10999.	6.7	166
85	Effect of particle dispersion on high rate performance of nano-sized Li4Ti5O12 anode. Electrochimica Acta, 2007, 52, 6470-6475.	2.6	164
86	Reducing Water Activity by Zeolite Molecular Sieve Membrane for Longâ€Life Rechargeable Zinc Battery. Advanced Materials, 2021, 33, e2102415.	11.1	164
87	Temperature-Sensitive Structure Evolution of Lithiumâ€“Manganese-Rich Layered Oxides for Lithium-Ion Batteries. Journal of the American Chemical Society, 2018, 140, 15279-15289.	6.6	163
88	Highly efficient dye-sensitized solar cells composed of mesoporous titanium dioxide. Journal of Materials Chemistry, 2006, 16, 1287.	6.7	159
89	High power Na-ion rechargeable battery with single-crystalline Na0.44MnO2 nanowire electrode. Journal of Power Sources, 2012, 217, 43-46.	4.0	158
90	Effective strategies for long-cycle life lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 6155-6182.	5.2	157

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91	Performance-improved Liâ€“O₂ battery with Ru nanoparticles supported on binder-free multi-walled carbon nanotube paper as cathode. Energy and Environmental Science, 2014, 7, 1648-1652.	15.6	156
92	Carbon supported TiN nanoparticles: an efficient bifunctional catalyst for non-aqueous Liâ€“O2 batteries. Chemical Communications, 2013, 49, 1175.	2.2	154
93	The pursuit of rechargeable solid-state Liâ€“air batteries. Energy and Environmental Science, 2013, 6, 2302.	15.6	154
94	MOF-Based Separator in an Liâ€“O₂ Battery: An Effective Strategy to Restrain the Shuttling of Dual Redox Mediators. ACS Energy Letters, 2018, 3, 463-468.	8.8	151
95	Suppressed Activation Energy for Interfacial Charge Transfer of a Prussian Blue Analog Thin Film Electrode with Hydrated Ions (Li⁺, Na⁺, and Mg²⁺). Journal of Physical Chemistry C, 2013, 117, 10877-10882.	1.5	150
96	A high-energy-density and long-life lithium-ion battery via reversible oxideâ€“peroxide conversion. Nature Catalysis, 2019, 2, 1035-1044.	16.1	150
97	Status and challenges facing representative anode materials for rechargeable lithium batteries. Journal of Energy Chemistry, 2022, 66, 260-294.	7.1	149
98	Ordered Porous Carbon with Tailored Pore Size for Electrochemical Hydrogen Storage Application. Journal of Physical Chemistry B, 2006, 110, 4875-4880.	1.2	147
99	Synthesis of the CoOOH fine nanoflake film with the high rate capacitance property. Journal of Power Sources, 2006, 158, 779-783.	4.0	147
100	Reducing the charging voltage of a Liâ€“O₂battery to 1.9 V by incorporating a photocatalyst. Energy and Environmental Science, 2015, 8, 2664-2667.	15.6	147
101	A Liquid Electrolyte with De-Solvated Lithium Ions for Lithium-Metal Battery. Joule, 2020, 4, 1776-1789.	11.7	146
102	Electrochemical performance and reaction mechanism of all-solid-state lithiumâ€“air batteries composed of lithium, Li1+xAlyGe2â^'y(PO4)3 solid electrolyte and carbon nanotube air electrode. Energy and Environmental Science, 2012, 5, 9077.	15.6	145
103	N-Doped graphene nanosheets for Liâ€“air fuel cells under acidic conditions. Energy and Environmental Science, 2012, 5, 6928.	15.6	145
104	To draw an air electrode of a Liâ€“air battery by pencil. Energy and Environmental Science, 2011, 4, 1704.	15.6	143
105	Hierarchical micro/nano porous silicon Li-ion battery anodes. Chemical Communications, 2012, 48, 5079.	2.2	142
106	Nanocrystalline Rutile TiO[sub 2] Electrode for High-Capacity and High-Rate Lithium Storage. Electrochemical and Solid-State Letters, 2007, 10, A127.	2.2	141
107	Electrochemical kinetics of the 0.5Li2MnO3Â·0.5LiMn0.42Ni0.42Co0.16O2 â€˜compositeâ€™ layered cathode material for lithium-ion batteries. RSC Advances, 2012, 2, 8797.	1.7	141
108	Superior Performance of a Liâ€“O₂ Battery with Metallic RuO₂ Hollow Spheres as the Carbonâ€Free Cathode. Advanced Energy Materials, 2015, 5, 1500294.	10.2	139

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109	Liâ€Redox Flow Batteries Based on Hybrid Electrolytes: At the Cross Road between Liâ€ion and Redox Flow Batteries. Advanced Energy Materials, 2012, 2, 770-779.	10.2	138
110	Facile synthesis of NaV6O15 nanorods and its electrochemical behavior as cathode material in rechargeable lithium batteries. Journal of Materials Chemistry, 2009, 19, 7885.	6.7	136
111	Electrochemical insertion/deinsertion of sodium on NaV6O15 nanorods as cathode material of rechargeable sodium-based batteries. Journal of Power Sources, 2011, 196, 814-819.	4.0	135
112	Mesoporous NiO with a single-crystalline structure utilized as a noble metal-free catalyst for non-aqueous Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2015, 3, 16177-16182.	5.2	135
113	Fabrication of morphology and crystal structure controlled nanorod and nanosheet cobalt hydroxide based on the difference of oxygen-solubility between water and methanol, and conversion into Co3O4. Journal of Materials Chemistry, 2005, 15, 1938.	6.7	134
114	Liâ€O₂ Battery Based on Highly Efficient Sbâ€Doped Tin Oxide Supported Ru Nanoparticles. Advanced Materials, 2014, 26, 4659-4664.	11.1	133
115	From O₂^{â^'} to HO₂^{â^'}: Reducing Byâ€Products and Overpotential in Liâ€O₂ Batteries by Water Addition. Angewandte Chemie - International Edition, 2017, 56, 4960-4964.	7.2	133
116	Effect of Chemical Doping on Cathodic Performance of Bicontinuous Nanoporous Graphene for Liâ€O₂ Batteries. Advanced Energy Materials, 2016, 6, 1501870.	10.2	132
117	An aqueous dissolved polysulfide cathode for lithiumâ€“sulfur batteries. Energy and Environmental Science, 2014, 7, 3307-3312.	15.6	131
118	Tuning the Morphologies of MnO/C Hybrids by Space Constraint Assembly of Mn-MOFs for High Performance Li Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 5254-5262.	4.0	129
119	A Superâ€Hydrophobic Quasiâ€Solid Electrolyte for Liâ€O₂ Battery with Improved Safety and Cycle Life in Humid Atmosphere. Advanced Energy Materials, 2017, 7, 1601759.	10.2	128
120	Synthesis of spinel LiMn2O4 nanoparticles through one-step hydrothermal reaction. Journal of Power Sources, 2007, 172, 410-415.	4.0	127
121	Two-phase transition of Li-intercalation compounds in Li-ion batteries. Materials Today, 2014, 17, 451-463.	8.3	127
122	An Ultrastable Anode for Longâ€Life Roomâ€Temperature Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2014, 53, 8963-8969.	7.2	126
123	A Highâ€Voltage and Ultralongâ€Life Sodium Full Cell for Stationary Energy Storage. Angewandte Chemie - International Edition, 2015, 54, 11701-11705.	7.2	126
124	Reversible anionic redox activity in Na₃RuO₄ cathodes: a prototype Na-rich layered oxide. Energy and Environmental Science, 2018, 11, 299-305.	15.6	126
125	Design and synthesis of a novel nanothorn VO2(B) hollow microsphere and their application in lithium-ion batteries. Journal of Materials Chemistry, 2009, 19, 2835.	6.7	125
126	The potential of electrolyte filled MOF membranes as ionic sieves in rechargeable batteries. Energy and Environmental Science, 2019, 12, 2327-2344.	15.6	125

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127	Preparation and rate capability of Li4Ti5O12 hollow-sphere anode material. Journal of Power Sources, 2007, 166, 514-518.	4.0	124
128	A Dualâ€Ion Organic Symmetric Battery Constructed from Phenazineâ€Based Artificial Bipolar Molecules. Angewandte Chemie - International Edition, 2019, 58, 9902-9906.	7.2	123
129	Monodispersed hierarchical Co₃O₄spheres intertwined with carbon nanotubes for use as anode materials in sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 13805.	5.2	122
130	Beyond the concentrated electrolyte: further depleting solvent molecules within a Li⁺ solvation sheath to stabilize high-energy-density lithium metal batteries. Energy and Environmental Science, 2020, 13, 4122-4131.	15.6	122
131	Poly(acrylic acid)-wrapped multi-walled carbon nanotubes composite solubilization in water: definitive spectroscopic properties. Nanotechnology, 2006, 17, 2845-2849.	1.3	121
132	Synthesis of Triaxial LiFePO₄ Nanowire with a VGCF Core Column and a Carbon Shell through the Electrospinning Method. ACS Applied Materials & Interfaces, 2010, 2, 212-218.	4.0	121
133	A long-life lithiumâ€“sulphur battery by integrating zincâ€“organic framework based separator. Journal of Materials Chemistry A, 2016, 4, 16812-16817.	5.2	121
134	Fabrication of a Cyanide-Bridged Coordination Polymer Electrode for Enhanced Electrochemical Ion Storage Ability. Journal of Physical Chemistry C, 2012, 116, 8364-8369.	1.5	120
135	Li₂CO₃-free Liâ€“O₂/CO₂ battery with peroxide discharge product. Energy and Environmental Science, 2018, 11, 1211-1217.	15.6	120
136	Materials for advanced Li-O2 batteries: Explorations, challenges and prospects. Materials Today, 2019, 26, 87-99.	8.3	120
137	Synthesis of a Perpendicular TiO2 Nanosheet Film with the Superhydrophilic Property without UV Irradiation. Langmuir, 2007, 23, 7447-7450.	1.6	118
138	Chlorophyll-aDerivatives with Various Hydrocarbon Ester Groups for Efficient Dye-Sensitized Solar Cells: Static and Ultrafast Evaluations on Electron Injection and Charge Collection Processes. Langmuir, 2010, 26, 6320-6327.	1.6	118
139	Enabling Catalytic Oxidation of Li₂O₂ at the Liquidâ€“Solid Interface: The Evolution of an Aprotic Liâ€“O₂ Battery. ChemSusChem, 2015, 8, 600-602.	3.6	117
140	Surface Photovoltage NO Gas Sensor with Properties Dependent on the Structure of the Self-Ordered Mesoporous Silicate Film. Advanced Materials, 2002, 14, 812.	11.1	116
141	Electrochemical Performance of Solidâ€State Lithiumâ€“Air Batteries Using Carbon Nanotube Catalyst in the Air Electrode. Advanced Energy Materials, 2012, 2, 889-894.	10.2	115
142	High capacity Naâ€“O2 batteries with carbon nanotube paper as binder-free air cathode. Journal of Power Sources, 2014, 251, 466-469.	4.0	115
143	Crystalline Grain Interior Configuration Affects Lithium Migration Kinetics in Li-Rich Layered Oxide. Nano Letters, 2016, 16, 2907-2915.	4.5	115
144	Coated Semiconductor Nanoparticles: The CdS/PbS System's Photoluminescence Properties. Chemistry of Materials, 1994, 6, 1534-1541.	3.2	114

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145	An oxygen cathode with stable full dischargeâ€“charge capability based on 2D conducting oxide. Energy and Environmental Science, 2015, 8, 1992-1997.	15.6	113
146	Manganeseâ€Based Naâ€Rich Materials Boost Anionic Redox in Highâ€Performance Layered Cathodes for Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1807770.	11.1	113
147	One-Step Synthesis of Nanoâ€“Micro Chestnut TiO₂ with Rutile Nanopins on the Microanatase Octahedron. ACS Nano, 2007, 1, 273-278.	7.3	112
148	Surface coating of lithiumâ€“manganese-rich layered oxides with delaminated MnO2 nanosheets as cathode materials for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4422.	5.2	112
149	Restraining Oxygen Loss and Suppressing Structural Distortion in a Newly Ti-Substituted Layered Oxide P2-Na_{0.66}Li_{0.22}Ti_{0.15}Mn_{0.63}O₂. ACS Energy Letters, 2019, 4, 2409-2417.	8.8	112
150	Characterization of Gold Nanoparticles Synthesized Using Sucrose by Seeding Formation in the Solid Phase and Seeding Growth in Aqueous Solution. Journal of Physical Chemistry B, 2004, 108, 7006-7011.	1.2	111
151	Revealing the Impact of Space-Charge Layers on the Li-Ion Transport in All-Solid-State Batteries. Joule, 2020, 4, 1311-1323.	11.7	111
152	Synthesis and electrochemical properties of single-crystalline LiV3O8 nanorods as cathode materials for rechargeable lithium batteries. Journal of Power Sources, 2009, 192, 668-673.	4.0	110
153	Highly Connected Siliconâ€“Copper Alloy Mixture Nanotubes as Highâ€Rate and Durable Anode Materials for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 524-531.	7.8	110
154	Initial Coulombic efficiency improvement of the Li1.2Mn0.567Ni0.166Co0.067O2 lithium-rich material by ruthenium substitution for manganese. Journal of Materials Chemistry, 2012, 22, 15507.	6.7	109
155	Highâ€Loading Nanoâ€SnO₂ Encapsulated in situ in Threeâ€Dimensional Rigid Porous Carbon for Superior Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 4915-4923.	1.7	109
156	Advanced cobalt-free cathode materials for sodium-ion batteries. Chemical Society Reviews, 2021, 50, 13189-13235.	18.7	109
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