Shu-Juan Bao

List of Publications by Year
in descending order

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203	11,129	28274	39675
papers	citations	55 h-index	94 g-index

204	204	204	12797
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbon nanotube/polyaniline composite as anode material for microbial fuel cells. Journal of Power Sources, 2007, 170, 79-84.	7.8	564
2	New Nanostructured TiO₂ for Direct Electrochemistry and Glucose Sensor Applications. Advanced Functional Materials, 2008, 18, 591-599.	14.9	416
3	Nanostructured Polyaniline/Titanium Dioxide Composite Anode for Microbial Fuel Cells. ACS Nano, 2008, 2, 113-119.	14.6	381
4	Biomolecule-assisted synthesis of cobalt sulfide nanowires for application in supercapacitors. Journal of Power Sources, 2008, 180, 676-681.	7.8	315
5	Preparation of hexagonal nanoporous nickel hydroxide film and its application for electrochemical capacitor. Electrochemistry Communications, 2007, 9, 869-874.	4.7	279
6	Nanosized Metal Phosphides Embedded in Nitrogenâ€Doped Porous Carbon Nanofibers for Enhanced Hydrogen Evolution at All pH Values. Angewandte Chemie - International Edition, 2018, 57, 1963-1967.	13.8	277
7	Honeycombâ€Like Spherical Cathode Host Constructed from Hollow Metallic and Polar Co₉S₈ Tubules for Advanced Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2018, 28, 1704443.	14.9	236
8	Doubleâ€Shelled NiOâ€NiCo₂O₄ Heterostructure@Carbon Hollow Nanocages as an Efficient Sulfur Host for Advanced Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800709.	19.5	236
9	Well-Aligned Cone-Shaped Nanostructure of Polypyrrole/RuO₂ and Its Electrochemical Supercapacitor. Journal of Physical Chemistry C, 2008, 112, 14843-14847.	3.1	231
10	Electrocatalysis in microbial fuel cellsâ€”from electrode material to direct electrochemistry. Energy and Environmental Science, 2010, 3, 544.	30.8	225
11	Nanocubic KTi₂(PO₄)₃ electrodes for potassium-ion batteries. Chemical Communications, 2016, 52, 11661-11664.	4.1	189
12	Mesoporous amorphous MnO2 as electrode material for supercapacitor. Journal of Solid State Electrochemistry, 2007, 11, 1101-1107.	2.5	187
13	Preparation and characterization of novel spinel Li4Ti5O12â^'xBrx anode materials. Electrochimica Acta, 2009, 54, 4772-4776.	5.2	175
14	Ni(II)-Based Metal-Organic Framework Anchored on Carbon Nanotubes for Highly Sensitive Non-Enzymatic Hydrogen Peroxide Sensing. Electrochimica Acta, 2016, 190, 365-370.	5.2	144
15	â€˜Circuit board-like CoS/MXene composite with superior performance for sodium storage. Chemical Engineering Journal, 2019, 357, 220-225.	12.7	143
16	Template-Free Electrochemical Synthesis of Superhydrophilic Polypyrrole Nanofiber Network. Macromolecules, 2008, 41, 7053-7057.	4.8	135
17	Shape Evolution and Magnetic Properties of Cobalt Sulfide. Crystal Growth and Design, 2008, 8, 3745-3749.	3.0	123
18	Bioinspired synthesis of nitrogen/sulfur co-doped graphene as an efficient electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2015, 279, 252-258.	7.8	117

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19	Novel porous anatase TiO2 nanorods and their high lithium electroactivity. Electrochemistry Communications, 2007, 9, 1233-1238.	4.7	112
20	Nitrogen-doped reduced-graphene oxide as an efficient metal-free electrocatalyst for oxygen reduction in fuel cells. RSC Advances, 2013, 3, 3990.	3.6	112
21	Self-assembly of three-dimensional interconnected graphene-based aerogels and its application in supercapacitors. Journal of Colloid and Interface Science, 2013, 407, 416-424.	9.4	111
22	Assembling Hollow Cobalt Sulfide Nanocages Array on Graphene-like Manganese Dioxide Nanosheets for Superior Electrochemical Capacitors. ACS Applied Materials & Interfaces, 2017, 9, 35040-35047.	8.0	107
23	Selenium Embedded in Metalâ€“Organic Framework Derived Hollow Hierarchical Porous Carbon Spheres for Advanced Lithiumâ€“Selenium Batteries. ACS Applied Materials & Interfaces, 2016, 8, 16063-16070.	8.0	106
24	Design and Construction of Sodium Polysulfides Defense System for Roomâ€Temperature Naâ€“S Battery. Advanced Science, 2019, 6, 1901557.	11.2	106
25	Metal chalcogenide hollow polar bipyramid prisms as efficient sulfur hosts for Na-S batteries. Nature Communications, 2020, 11, 5242.	12.8	102
26	Reunderstanding the Reaction Mechanism of Aqueous Znâ€“Mn Batteries with Sulfate Electrolytes: Role of the Zinc Sulfate Hydroxide. Advanced Materials, 2022, 34, e2109092.	21.0	97
27	Uniform Î±-Ni(OH)2 hollow spheres constructed from ultrathin nanosheets as efficient polysulfide mediator for long-term lithium-sulfur batteries. Energy Storage Materials, 2017, 8, 202-208.	18.0	93
28	Supercapacitance of Solid Carbon Nanofibers Made from Ethanol Flames. Journal of Physical Chemistry C, 2008, 112, 3612-3618.	3.1	83
29	Analysis of cobalt phosphide (CoP) nanorods designed for non-enzyme glucose detection. Analyst, The, 2016, 141, 256-260.	3.5	83
30	Synthesis and Electrical Transport of Novel Channel-StructuredÎ²-AgVO3. Small, 2007, 3, 1174-1177.	10.0	82
31	Self-assembled hierarchical graphene/polyaniline hybrid aerogels for electrochemical capacitive energy storage. Electrochimica Acta, 2014, 137, 381-387.	5.2	82
32	Tuning and thermal exfoliation graphene-like carbon nitride nanosheets for superior photocatalytic activity. Ceramics International, 2016, 42, 18521-18528.	4.8	82
33	Enhanced photocatalytic activity of magnetic TiO2 photocatalyst by silver deposition. Materials Letters, 2005, 59, 2194-2198.	2.6	75
34	Self-Supported FeCo₂S₄ Nanotube Arrays as Binder-Free Cathodes for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 43707-43715.	8.0	75
35	MXene-derivative pompon-like Na2Ti3O7@C anode material for advanced sodium ion batteries. Chemical Engineering Journal, 2019, 378, 122209.	12.7	75
36	Synthesis and electrochemical characterization of amorphous MnO2 for electrochemical capacitor. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 397, 305-309.	5.6	74

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37	Na_{3.12}Fe_{2.44}(P₂O₇)₂/multi-walled carbon nanotube composite as a cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 17224-17229.	10.3	74
38	Mesoporous Hollow Nitrogen-Doped Carbon Nanospheres with Embedded MnFe₂O₄/Fe Hybrid Nanoparticles as Efficient Bifunctional Oxygen Electrocatalysts in Alkaline Media. ACS Applied Materials & Interfaces, 2018, 10, 20440-20447.	8.0	73
39	NiMoO4 nanofibres designed by electrospining technique for glucose electrocatalytic oxidation. Analytica Chimica Acta, 2016, 905, 72-78.	5.4	72
40	Chinese knot-like electrode design for advanced Li-S batteries. Nano Energy, 2018, 53, 354-361.	16.0	72
41	Nanocrystalline nickel cobalt hydroxides/ultrastable Y zeolite composite for electrochemical capacitors. Journal of Solid State Electrochemistry, 2007, 11, 571-576.	2.5	71
42	Synthesis of M (Fe3C, Co, Ni)-porous carbon frameworks as high-efficient ORR catalysts. Energy Storage Materials, 2018, 11, 112-117.	18.0	71
43	A Fe3N/carbon composite electrocatalyst for effective polysulfides regulation in room-temperature Na-S batteries. Nature Communications, 2021, 12, 6347.	12.8	71
44	Highly ordered MnO2 nanowire array thin films on Ti/Si substrate as an electrode for electrochemical capacitor. Journal of Solid State Chemistry, 2006, 179, 1351-1355.	2.9	70
45	Nickel Hollow Spheres Concatenated by Nitrogenâ€Doped Carbon Fibers for Enhancing Electrochemical Kinetics of Sodiumâ€“Sulfur Batteries. Advanced Science, 2020, 7, 1902617.	11.2	70
46	Novel mesoporous MnO2 for high-rate electrochemical capacitive energy storage. Electrochimica Acta, 2010, 55, 5117-5122.	5.2	68
47	TiOxNy nanoparticles/C composites derived from MXene as anode material for potassium-ion batteries. Chemical Engineering Journal, 2019, 369, 828-833.	12.7	68
48	Amorphous nickel sulfide nanosheets with embedded vanadium oxide nanocrystals on nickel foam for efficient electrochemical water oxidation. Journal of Materials Chemistry A, 2019, 7, 10534-10542.	10.3	65
49	Lowâ€Operating Temperature, Highâ€Rate and Durable Solidâ€State Sodiumâ€Ion Battery Based on Polymer Electrolyte and Prussian Blue Cathode. Advanced Energy Materials, 2020, 10, 1903351.	19.5	64
50	Carbon nanotubes implanted manganese-based MOFs for simultaneous detection of biomolecules in body fluids. Analyst, The, 2016, 141, 1279-1285.	3.5	62
51	A railway-like network electrode design for room temperature Naâ€“S battery. Journal of Materials Chemistry A, 2019, 7, 150-156.	10.3	60
52	Multimodal porous CNT@TiO2 nanocables with superior performance in lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 8525.	10.3	59
53	Nanostructured cobalt phosphates as excellent biomimetic enzymes to sensitively detect superoxide anions released from living cells. Biosensors and Bioelectronics, 2017, 87, 998-1004.	10.1	59
54	MoP nanoparticles with a P-rich outermost atomic layer embedded in N-doped porous carbon nanofibers: Self-supported electrodes for efficient hydrogen generation. Nano Research, 2018, 11, 4728-4734.	10.4	59

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55	Preparation of MoS₂/Ti₃C₂T_x composite as anode material with enhanced sodium/lithium storage performance. Inorganic Chemistry Frontiers, 2019, 6, 117-125.	6.0	59
56	Rational construction of rGO/VO2 nanoflowers as sulfur multifunctional hosts for room temperature Na-S batteries. Chemical Engineering Journal, 2020, 379, 122359.	12.7	59
57	Interface engineered construction of porous g-C3N4/TiO2 heterostructure for enhanced photocatalysis of organic pollutants. Applied Surface Science, 2018, 440, 229-236.	6.1	58
58	Nanosized Metal Phosphides Embedded in Nitrogenâ€Doped Porous Carbon Nanofibers for Enhanced Hydrogen Evolution at All pH Values. Angewandte Chemie, 2018, 130, 1981-1985.	2.0	58
59	Synthesis and application of ultra-long Na_{0.44}MnO₂ submicron slabs as a cathode material for Na-ion batteries. RSC Advances, 2014, 4, 38140-38143.	3.6	57
60	Confined selenium within metal-organic frameworks derived porous carbon microcubes as cathode for rechargeable lithiumâ€“selenium batteries. Journal of Power Sources, 2017, 341, 53-59.	7.8	56
61	Investigation of Fe₂N@carbon encapsulated in N-doped graphene-like carbon as a catalyst in sustainable zincâ€“air batteries. Catalysis Science and Technology, 2017, 7, 5670-5676.	4.1	56
62	Efficient in situ growth of enzyme-inorganic hybrids on paper strips for the visual detection of glucose. Biosensors and Bioelectronics, 2018, 99, 603-611.	10.1	56
63	Engineering the nanostructure of molybdenum nitride nanodot embedded N-doped porous hollow carbon nanochains for rapid all pH hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 14734-14741.	10.3	56
64	Morphology and electrochemistry of LiMn2O4 optimized by using different Mn-sources. Journal of Power Sources, 2007, 164, 885-889.	7.8	54
65	Porous graphene to encapsulate Na_{6.24}Fe_{4.88}(P₂O₇)₄ as composite cathode materials for Na-ion batteries. Chemical Communications, 2015, 51, 13120-13122.	4.1	51
66	Analysis of graphene-like activated carbon derived from rice straw for application in supercapacitor. Chinese Chemical Letters, 2017, 28, 2290-2294.	9.0	51
67	MXene-derived three-dimensional carbon nanotube network encapsulate CoS₂ nanoparticles as an anode material for solid-state sodium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 3018-3026.	10.3	51
68	A gel-limiting strategy for large-scale fabrication of Feâ€“Nâ€“C single-atom ORR catalysts. Journal of Materials Chemistry A, 2021, 9, 7137-7142.	10.3	51
69	Synthesis and electrochemical properties of LiAl0.1Mn1.9O4 by microwave-assisted solâ€“gel method. Journal of Power Sources, 2006, 154, 239-245.	7.8	49
70	Yolk-shell porous carbon spheres@CoSe2 nanosheets as multilayer defenses system of polysulfide for advanced Li-S batteries. Chemical Engineering Journal, 2021, 413, 127521.	12.7	49
71	Facile synthesis of Ag/ZnO nanorods using Ag/C cables as templates and their gas-sensing properties. Materials Letters, 2010, 64, 243-245.	2.6	48
72	Puzzle-inspired carbon dots coupled with cobalt phosphide for constructing a highly-effective overall water splitting interface. Chemical Communications, 2020, 56, 257-260.	4.1	48

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73	A rough endoplasmic reticulum-like VSe₂/rGO anode for superior sodium-ion capacitors. Inorganic Chemistry Frontiers, 2019, 6, 2935-2943.	6.0	46
74	Environment-friendly biomimetic synthesis of TiO₂nanomaterials for photocatalytic application. Nanotechnology, 2012, 23, 205601.	2.6	44
75	A facile route for constructing a graphene-chitosan-ZrO2 composite for direct electron transfer and glucose sensing. RSC Advances, 2012, 2, 8172.	3.6	44
76	Design and synthesis of Coâ€“Nâ€“C porous catalyst derived from metal organic complexes for highly effective ORR. Dalton Transactions, 2017, 46, 15646-15650.	3.3	44
77	Ultrafine TiO2 encapsulated in nitrogen-doped porous carbon framework for photocatalytic degradation of ammonia gas. Chemical Engineering Journal, 2018, 331, 383-388.	12.7	44
78	Potassium titanium hexacyanoferrate as a cathode material for potassium-ion batteries. Journal of Physics and Chemistry of Solids, 2018, 122, 31-35.	4.0	43
79	Synthesis of Cobalt Phosphide Nanoparticles Supported on Pristine Graphene by Dynamically Selfâ€Assembled Graphene Quantum Dots for Hydrogen Evolution. ChemSusChem, 2017, 10, 1014-1021.	6.8	42
80	Self-Supported CdP₂â€“CDsâ€“CoP for High-Performance OER Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 1297-1303.	6.7	42
81	Significantly fastened redox kinetics in single crystal layered oxide cathode by gradient doping. Nano Energy, 2022, 94, 106961.	16.0	42
82	Interfacial engineering of Ni/V2O3 for hydrogen evolution reaction. Nano Research, 2020, 13, 2407-2412.	10.4	41
83	Synthesis and electrochemical properties of LiAl0.05Mn1.95O4 by the ultrasonic assisted rheological phase method. Electrochimica Acta, 2006, 51, 4701-4708.	5.2	40
84	Muscle-like electrode design for Li-Te batteries. Energy Storage Materials, 2018, 10, 10-15.	18.0	40
85	Double-walled N-doped carbon@NiCo₂S₄ hollow capsules as SeS₂ hosts for advanced Liâ€“SeS₂ batteries. Journal of Materials Chemistry A, 2019, 7, 12276-12282.	10.3	40
86	Nanoporous V-Doped Ni₅P₄ Microsphere: A Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH. ACS Applied Materials & Interfaces, 2020, 12, 37092-37099.	8.0	40
87	A synergistic Bi₂S₃/MXene composite with enhanced performance as an anode material of sodium-ion batteries. New Journal of Chemistry, 2020, 44, 3072-3077.	2.8	40
88	A 3D porous interconnected NaVPO₄F/C network: preparation and performance for Na-ion batteries. RSC Advances, 2015, 5, 40065-40069.	3.6	39
89	Efficient Catalytic Conversion of Polysulfides by Biomimetic Design of â€œBranch-Leafâ€•Electrode for High-Energy Sodiumâ€“Sulfur Batteries. Nano-Micro Letters, 2021, 13, 50.	27.0	39
90	Lithium Insertion in Channel-Structured Î²-AgVO₃: In Situ Raman Study and Computer Simulation. Chemistry of Materials, 2007, 19, 5965-5972.	6.7	37

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91	Synthesis and photoluminescence of Eu2+ by co-doping Eu3+ and Clâ˜ in Sr2P2O7 under air atmosphere. Journal of Alloys and Compounds, 2012, 512, 323-327.	5.5	37
92	Improving the Performance of Hard Carbon//Na₃V₂O₂(PO₄)₂F Sodium-Ion Full Cells by Utilizing the Adsorption Process of Hard Carbon. ACS Applied Materials & Interfaces, 2018, 10, 16581-16587.	8.0	37
93	Vanadium carbide nanoparticles incorporation in carbon nanofibers for room-temperature sodium sulfur batteries: Confining, trapping, and catalyzing. Chemical Engineering Journal, 2020, 395, 124978.	12.7	37
94	A highly-effective nitrogen-doped porous carbon sponge electrode for advanced Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2020, 7, 1182-1189.	6.0	36
95	Novel Oxygen-Deficient Zirconia (ZrO_{2â€“x}) for Fluorescence/Photoacoustic Imaging-Guided Photothermal/Photodynamic Therapy for Cancer. ACS Applied Materials & Interfaces, 2019, 11, 41127-41139.	8.0	35
96	Effective microwave-assisted synthesis of graphenenanosheets/NiO composite for high-performance supercapacitors. New Journal of Chemistry, 2013, 37, 439-443.	2.8	34
97	Cobalt nanoparticles embedded into free-standing carbon nanofibers as catalyst for room-temperature sodium-sulfur batteries. Journal of Colloid and Interface Science, 2020, 565, 63-69.	9.4	34
98	Significance of gallium doping for high Ni, low Co/Mn layered oxide cathode material. Chemical Engineering Journal, 2022, 441, 135821.	12.7	34
99	An excellent full sodium-ion capacitor derived from a single Ti-based metalâ€“organic framework. Journal of Materials Chemistry A, 2018, 6, 24860-24868.	10.3	33
100	Bismuth oxychloride ultrathin nanoplates as an anode material for sodium-ion batteries. Materials Letters, 2016, 178, 44-47.	2.6	32
101	Jackfruit-like electrode design for advanced Na-Se batteries. Journal of Power Sources, 2019, 443, 227245.	7.8	32
102	A Strategy for Polysulfides/Polyselenides Protection Based on Co₉S₈@SiO₂/C Host in Naâ€“SeS₂ Batteries. Advanced Functional Materials, 2021, 31, 2001952.	14.9	32
103	An architectural development for energy conversion materials: morphology-conserved transformation synthesis of manganese oxides and their application in lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 3749.	10.3	31
104	(001) Facet-Dominated Hierarchically Hollow Na₂Ti₃O₇ as a High-Rate Anode Material for Sodium-Ion Capacitors. ACS Applied Materials & Interfaces, 2019, 11, 42197-42205.	8.0	31
105	High-Rate and Long-Life Sodium-Ion Batteries Based on Sponge-like Three-Dimensional Porous Na-Rich Ferric Pyrophosphate Cathode Material. ACS Applied Materials & Interfaces, 2019, 11, 5107-5113.	8.0	30
106	Synthesis and electrochemical properties of LiMn2O4 by microwave-assisted solâ€“gel method. Materials Letters, 2005, 59, 3761-3765.	2.6	29
107	Flower-like NiO structures: Controlled hydrothermal synthesis and electrochemical characteristic. Materials Research Bulletin, 2012, 47, 3947-3951.	5.2	29
108	Exploration of a calciumâ€“organic framework as an anode material for sodium-ion batteries. Chemical Communications, 2016, 52, 9969-9971.	4.1	29

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109	Constructing high effective nano-Mn3(PO4)2-chitosan in situ electrochemical detection interface for superoxide anions released from living cell. Biosensors and Bioelectronics, 2019, 133, 133-140.	10.1	29
110	A self-healing neutral aqueous rechargeable Zn/MnO2 battery based on modified carbon nanotubes substrate cathode. Journal of Colloid and Interface Science, 2021, 600, 83-89.	9.4	29
111	Ni/Li antisite induced disordered passivation layer for high-Ni layered oxide cathode material. Energy Storage Materials, 2022, 45, 720-729.	18.0	29
112	Synthesis and electrochemical properties of chemically substituted LiMn2O4 prepared by a solution-based gel method. Journal of Colloid and Interface Science, 2006, 300, 633-639.	9.4	28
113	Plastic protein microarray to investigate the molecular pathways of magnetic nanoparticle-induced nanotoxicity. Nanotechnology, 2013, 24, 175501.	2.6	28
114	MnO₂-assisted fabrication of PANI/MWCNT composite and its application as a supercapacitor. RSC Advances, 2014, 4, 33569-33573.	3.6	28
115	Cobalt nanoparticle decorated graphene aerogel for efficient oxygen reduction reaction electrocatalysis. International Journal of Hydrogen Energy, 2017, 42, 5930-5937.	7.1	28
116	Three-dimensional hierarchical porous tubular carbon as a host matrix for long-term lithium-selenium batteries. Journal of Power Sources, 2017, 367, 17-23.	7.8	28
117	Metal-organic complex derived hierarchical porous carbon as host matrix for rechargeable Na-Se batteries. Electrochimica Acta, 2018, 276, 21-27.	5.2	28
118	Hydrothermal synthesis of single-crystal VO2(B) nanobelts. Materials Research Bulletin, 2006, 41, 1985-1989.	5.2	27
119	Effect of alkaline and alkalineâ€“earth cations on the supercapacitor performance of MnO2 with various crystallographic structures. Journal of Solid State Electrochemistry, 2013, 17, 1357-1368.	2.5	27
120	FePO4 embedded in nanofibers consisting of amorphous carbon and reduced graphene oxide asÂan enzyme mimetic for monitoring superoxide anions released by living cells. Mikrochimica Acta, 2018, 185, 140.	5.0	27
121	Lowâ€Barrier, Dendriteâ€Free, and Stable Na Plating/Stripping Enabled by Gradient Sodiophilic Carbon Skeleton. Advanced Energy Materials, 2021, 11, .	19.5	27
122	One-Step, Low-Temperature Route for the Preparation of Spinel LiMn[sub 2]O[sub 4] as a Cathode Material for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2005, 152, A2030.	2.9	26
123	Micropore-Boosted Layered Double Hydroxide Catalysts: EIS Analysis in Structure and Activity for Effective Oxygen Evolution Reactions. ACS Applied Materials & Interfaces, 2019, 11, 30887-30893.	8.0	26
124	Flexible electrode constructed by encapsulating ultrafine VSe2 in carbon fiber for quasi-solid-state sodium ion batteries. Journal of Power Sources, 2020, 470, 228438.	7.8	25
125	Identification of Catalytic Active Sites for Durable Proton Exchange Membrane Fuel Cell: Catalytic Degradation and Poisoning Perspectives. Small, 2022, 18, e2106279.	10.0	25
126	Design and synthesis of carbonized polypyrrole-coated graphene aerogel acting as an efficient metal-free catalyst for oxygen reduction. RSC Advances, 2014, 4, 16979-16984.	3.6	24

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127	A selenium-confined porous carbon cathode from silk cocoons for Liâ€“Se battery applications. RSC Advances, 2015, 5, 96146-96150.	3.6	24
128	Facile and Scale Synthesis of Co/N/S-Doped Porous Graphene-Like Carbon Architectures as Electrocatalysts for Sustainable Zinc-Air Battery Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 7743-7749.	6.7	24
129	Multi-step Controllable Catalysis Method for the Defense of Sodium Polysulfide Dissolution in Room-Temperature Naâ€“S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 11852-11860.	8.0	24
130	A new calcium metal organic frameworks (Ca-MOF) for sodium ion batteries. Materials Letters, 2021, 286, 129264.	2.6	24
131	A green and facile route for constructing flower-shaped TiO₂nanocrystals assembled on graphene oxide sheets for enhanced photocatalytic activity. Nanotechnology, 2013, 24, 275602.	2.6	23
132	Biomass-derived synthesis of nitrogen and phosphorus Co-doped mesoporous carbon spheres as catalysts for oxygen reduction reaction. Journal of Solid State Electrochemistry, 2017, 21, 103-110.	2.5	23
133	Enhancement of the electrochemical properties of LiMn2O4 through Al3+ and Fâ¯ co-substitution. Journal of Colloid and Interface Science, 2005, 291, 433-437.	9.4	22
134	Environmentally-friendly biomimicking synthesis of TiO2 nanomaterials using saccharides to tailor morphology, crystal phase and photocatalytic activity. CrystEngComm, 2013, 15, 4694.	2.6	22
135	Bimetalâ€“organic-frameworks-derived yolkâ€“shell-structured porous Co₂P/ZnO@PC/CNTs hybrids for highly sensitive non-enzymatic detection of superoxide anion released from living cells. Chemical Communications, 2016, 52, 12442-12445.	4.1	22
136	Aspergillus flavus Conidia-derived Carbon/Sulfur Composite as a Cathode Material for High Performance Lithiumâ€“Sulfur Battery. Scientific Reports, 2016, 6, 18739.	3.3	22
137	Controlled synthesis of Mn3(PO4)2 hollow spheres as biomimetic enzymes for selective detection of superoxide anions released by living cells. Mikrochimica Acta, 2017, 184, 1177-1184.	5.0	22
138	Porous carbon derived from Sunflower as a host matrix for ultra-stable lithiumâ€“selenium battery. Journal of Colloid and Interface Science, 2017, 490, 747-753.	9.4	22
139	Highly efficient Fe-N-C oxygen reduction electrocatalyst engineered by sintering atmosphere. Journal of Power Sources, 2020, 449, 227497.	7.8	22
140	Novel CdFe Bimetallic Complex-Derived Ultrasmall Fe- and N-Codoped Carbon as a Highly Efficient Oxygen Reduction Catalyst. ACS Applied Materials & Interfaces, 2019, 11, 21481-21488.	8.0	21
141	Synthesis and electrochemical properties of nanostructured LiAl x Mn2â€‰â¯â€‰x O4â€‰â¯â€‰y Br y particles. Journal of Solid State Electrochemistry, 2009, 13, 799-805.	2.5	20
142	Self-assembled three-dimensional interpenetrating porous graphene aerogels with MnO2 coating and their application as high-performance supercapacitors. New Journal of Chemistry, 2013, 37, 4199.	2.8	20
143	Low-operating temperature quasi-solid-state potassium-ion battery based on commercial materials. Journal of Colloid and Interface Science, 2021, 582, 932-939.	9.4	20
144	Preparation and electrochemical properties of LiMn2O4 by the microwave-assisted rheological phase method. Electrochimica Acta, 2007, 52, 3286-3293.	5.2	19

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145	One step microwave synthesis and magnetic properties of Co3O4 octahedrons. Materials Letters, 2012, 83, 195-197.	2.6	19
146	Template method for fabricating Co and Ni nanoparticles/porous channels carbon for solid-state sodium-sulfur battery. Journal of Colloid and Interface Science, 2020, 578, 710-716.	9.4	19
147	MIL-47(V) catalytic conversion of H2O2 for sensitive H2O2 detection and tumor cell inhibition. Sensors and Actuators B: Chemical, 2022, 354, 131201.	7.8	19
148	Electrochemical properties and synthesis of LiAl0.05Mn1.95O3.95F0.05 by a solution-based gel method for lithium secondary battery. Journal of Solid State Chemistry, 2005, 178, 897-901.	2.9	18
149	Enhancement of the electrochemical properties of LiMn2O4 through chemical substitution. Materials Chemistry and Physics, 2006, 95, 188-192.	4.0	18
150	LiMn2O4â€“yBr y Nanoparticles Synthesized by a Room Temperature Solid-State Coordination Method. Nanoscale Research Letters, 2009, 4, 353-358.	5.7	18
151	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
152	Rapid synthesis of Mn3O4 by in-situ redox method and its capacitive performances. Rare Metals, 2011, 30, 81-84.	7.1	18
153	pH-controllable synthesis of unique nanostructured tungsten oxide aerogel and its sensitive glucose biosensor. Nanotechnology, 2015, 26, 115602.	2.6	18
154	Three-dimensional nanotubes composed of carbon-anchored ultrathin MoS₂ nanosheets with enhanced lithium storage. Physical Chemistry Chemical Physics, 2016, 18, 19792-19797.	2.8	18
155	Ternary Ni_xCo_{3â^'x}S₄ with a Fine Hollow Nanostructure as a Robust Electrocatalyst for Hydrogen Evolution. ChemCatChem, 2017, 9, 4169-4174.	3.7	18
156	Nitrogenâ€Doped Carbon as a Host for Tellurium for Highâ€Rate Liâ€“Te and Naâ€“Te Batteries. ChemSusChem, 2019, 12, 1196-1202.	6.8	18
157	BC@DNA-Mn₃(PO₄)₂ Nanozyme for Real-Time Detection of Superoxide from Living Cells. Analytical Chemistry, 2020, 92, 15927-15935.	6.5	18
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