Shujiang Ding

List of Publications by Year
in descending order

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		10351	19136
274	17,168	72	118
papers	citations	h-index	g-index

277	277	277	18058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bowlâ€like SnO₂@Carbon Hollow Particles as an Advanced Anode Material for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2014, 53, 12803-12807.	7.2	463
2	Facile synthesis of hierarchical MoS₂microspheres composed of few-layered nanosheets and their lithium storage properties. Nanoscale, 2012, 4, 95-98.	2.8	425
3	Formation of SnO₂ Hollow Nanospheres inside Mesoporous Silica Nanoreactors. Journal of the American Chemical Society, 2011, 133, 21-23.	6.6	391
4	SnO2 nanosheets grown on graphene sheets with enhanced lithium storage properties. Chemical Communications, 2011, 47, 7155.	2.2	387
5	Glucoseâ€Assisted Growth of MoS₂ Nanosheets on CNT Backbone for Improved Lithium Storage Properties. Chemistry - A European Journal, 2011, 17, 13142-13145.	1.7	334
6	Enhancing Catalytic Activity of Titanium Oxide in Lithiumâ€“Sulfur Batteries by Band Engineering. Advanced Energy Materials, 2019, 9, 1900953.	10.2	326
7	Hierarchical nickel sulfide hollow spheres for high performance supercapacitors. RSC Advances, 2011, 1, 397.	1.7	322
8	Graphene-supported anatase TiO2 nanosheets for fast lithium storage. Chemical Communications, 2011, 47, 5780.	2.2	305
9	Controlled synthesis of hierarchical NiO nanosheet hollow spheres with enhanced supercapacitive performance. Journal of Materials Chemistry, 2011, 21, 6602.	6.7	280
10	Carbon@titanium nitrideÂdual shell nanospheres as multi-functional hosts for lithium sulfur batteries. Energy Storage Materials, 2019, 16, 228-235.	9.5	276
11	Oneâ€Dimensional Hierarchical Structures Composed of Novel Metal Oxide Nanosheets on a Carbon Nanotube Backbone and Their Lithiumâ€Storage Properties. Advanced Functional Materials, 2011, 21, 4120-4125.	7.8	256
12	Hierarchical NiCo₂O₄Nanosheets Grown on Ni Nanofoam as High-Performance Electrodes for Supercapacitors. Small, 2015, 11, 804-808.	5.2	232
13	Highly stretchable and transparent ionic conducting elastomers. Nature Communications, 2018, 9, 2630.	5.8	223
14	An Overview and Future Perspectives of Rechargeable Zinc Batteries. Small, 2020, 16, e2000730.	5.2	216
15	Hierarchically Structured One-Dimensional TiO₂ for Protein Immobilization, Direct Electrochemistry, and Mediator-Free Glucose Sensing. ACS Nano, 2011, 5, 7617-7626.	7.3	215
16	Construction of hybrid bowl-like structures by anchoring NiO nanosheets on flat carbon hollow particles with enhanced lithium storage properties. Energy and Environmental Science, 2015, 8, 1707-1711.	15.6	215
17	Suppressing the Shuttle Effect and Dendrite Growth in Lithiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 9819-9831.	7.3	209
18	Hierarchical NiCo₂O₄ Nanosheets@halloysite Nanotubes with Ultrahigh Capacitance and Long Cycle Stability As Electrochemical Pseudocapacitor Materials. Chemistry of Materials, 2014, 26, 4354-4360.	3.2	187

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19	Formation of g-C₃N₄@Ni(OH)₂ Honeycomb Nanostructure and Asymmetric Supercapacitor with High Energy and Power Density. ACS Applied Materials & Interfaces, 2017, 9, 17890-17896.	4.0	187
20	TiO₂hollow spheres with large amount of exposed (001) facets for fast reversible lithium storage. Journal of Materials Chemistry, 2011, 21, 1677-1680.	6.7	182
21	A Nanosheetsâ€onâ€Channel Architecture Constructed from MoS₂ and CMKâ€3 for Highâ€Capacity and Longâ€Cycleâ€Life Lithium Storage. Advanced Energy Materials, 2014, 4, 1400902.	10.2	180
22	Enhanced Sulfur Transformation by Multifunctional FeS₂/FeS/S Composites for Highâ€Volumetric Capacity Cathodes in Lithiumâ€“Sulfur Batteries. Advanced Science, 2019, 6, 1800815.	5.6	178
23	One-dimensional CdS/ZnO core/shell nanofibers via single-spinneret electrospinning: tunable morphology and efficient photocatalytic hydrogen production. Nanoscale, 2013, 5, 12432.	2.8	175
24	3D Printing of Carbon Nanotubes-Based Microsupercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 4597-4604.	4.0	174
25	g-C₃N₄ nanosheets enhanced solid polymer electrolytes with excellent electrochemical performance, mechanical properties, and thermal stability. Journal of Materials Chemistry A, 2019, 7, 11069-11076.	5.2	174
26	Simultaneously Realizing Rapid Electron Transfer and Mass Transport in Jellyfishâ€Like Mottâ€“Schottky Nanoreactors for Oxygen Reduction Reaction. Advanced Functional Materials, 2020, 30, 1910482.	7.8	173
27	SnO2 nanosheet hollow spheres with improved lithium storage capabilities. Nanoscale, 2011, 3, 3586.	2.8	169
28	Local spin-state tuning of cobaltâ€“iron selenide nanoframes for the boosted oxygen evolution. Energy and Environmental Science, 2021, 14, 365-373.	15.6	159
29	Fabrication of MoS₂ nanosheet@TiO₂ nanotube hybrid nanostructures for lithium storage. Nanoscale, 2014, 6, 5245-5250.	2.8	158
30	Construction of ultrafine ZnSe nanoparticles on/in amorphous carbon hollow nanospheres with high-power-density sodium storage. Nano Energy, 2019, 59, 762-772.	8.2	155
31	Growth of Ultrathin ZnCo₂O₄ Nanosheets on Reduced Graphene Oxide with Enhanced Lithium Storage Properties. Advanced Science, 2015, 2, 1400014.	5.6	153
32	Ultrathin NiO nanosheets anchored on a highly ordered nanostructured carbon as an enhanced anode material for lithium ion batteries. Nano Energy, 2015, 16, 152-162.	8.2	152
33	Bamboo-like amorphous carbon nanotubes clad in ultrathin nickel oxide nanosheets for lithium-ion battery electrodes with long cycle life. Carbon, 2015, 84, 491-499.	5.4	145
34	Preparation and electrochemical characteristics of porous hollow spheres of NiO nanosheets as electrodes of supercapacitors. Journal of Power Sources, 2014, 256, 440-448.	4.0	140
35	Assessment of the flow regime alterations in the middle reach of the Yangtze River associated with dam construction: potential ecological implications. Hydrological Processes, 2016, 30, 3949-3966.	1.1	138
36	An electrochemically formed three-dimensional structure of polypyrrole/graphene nanoplatelets for high-performance supercapacitors. RSC Advances, 2011, 1, 1271.	1.7	137

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37	3D NiO hollow sphere/reduced graphene oxide composite for high-performance glucose biosensor. Scientific Reports, 2017, 7, 5220.	1.6	132
38	A facile strategy for the synthesis of hierarchical TiO₂/CdS hollow sphere heterostructures with excellent visible light activity. Journal of Materials Chemistry A, 2014, 2, 7674-7679.	5.2	127
39	Sea urchin-like NiCoO2@C nanocomposites for Li-ion batteries and supercapacitors. Nano Energy, 2016, 27, 457-465.	8.2	127
40	Facile Surface Properties Engineering of High-Quality Graphene: Toward Advanced Ni-MOF Heterostructures for High-Performance Supercapacitor Electrode. ACS Applied Energy Materials, 2019, 2, 2169-2177.	2.5	120
41	High-field antiferroelectric behaviour and minimized energy loss in poly(vinylidene-co-trifluoroethylene)-graft-poly(ethyl methacrylate) for energy storage application. Journal of Materials Chemistry, 2012, 22, 23468.	6.7	118
42	A composite solid polymer electrolyte incorporating MnO₂ nanosheets with reinforced mechanical properties and electrochemical stability for lithium metal batteries. Journal of Materials Chemistry A, 2020, 8, 2021-2032.	5.2	118
43	Anchoring Tailored Low-Index Faceted BiOBr Nanoplates onto TiO₂ Nanorods to Enhance the Stability and Visible-Light-Driven Catalytic Activity. ACS Applied Materials & Interfaces, 2017, 9, 16091-16102.	4.0	112
44	Hierarchical NiCoO₂ nanosheets supported on amorphous carbon nanotubes for high-capacity lithium-ion batteries with a long cycle life. Journal of Materials Chemistry A, 2014, 2, 13069-13074.	5.2	109
45	Enhanced visible-light activity of F-N co-doped TiO2 nanocrystals via nonmetal impurity, Ti3+ ions and oxygen vacancies. Applied Surface Science, 2013, 287, 135-142.	3.1	106
46	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metalâ€“Nitrogenâ€“Graphene for Efficient Oxygen Reduction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	102
47	In situ assembly of well-dispersed Ni nanoparticles on silica nanotubes and excellent catalytic activity in 4-nitrophenol reduction. Nanoscale, 2014, 6, 11181-11188.	2.8	100
48	Enhancing Heat Capacity of Colloidal Suspension Using Nanoscale Encapsulated Phase-Change Materials for Heat Transfer. ACS Applied Materials & Interfaces, 2010, 2, 1685-1691.	4.0	99
49	Low-temperature synthesis of heterogeneous crystalline TiO2â€“halloysite nanotubes and their visible light photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 8045.	5.2	99
50	Flexible and Highâ€Loading Lithiumâ€“Sulfur Batteries Enabled by Integrated Threeâ€Dâ€One Fibrous Membranes. Advanced Energy Materials, 2019, 9, 1902001.	10.2	98
51	Preparation of Carbon-Coated NiCo₂O₄@SnO₂Hetero-nanostructures and Their Reversible Lithium Storage Properties. Small, 2015, 11, 432-436.	5.2	97
52	A cloud model-based approach for water quality assessment. Environmental Research, 2016, 148, 24-35.	3.7	97
53	Single-spinneret electrospinning fabrication of CoMn2O4 hollow nanofibers with excellent performance in lithium-ion batteries. Electrochimica Acta, 2014, 137, 462-469.	2.6	96
54	Template synthesis of composite hollow spheres using sulfonated polystyrene hollow spheres. Polymer, 2006, 47, 8360-8366.	1.8	93

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55	Few-layer MoS₂anchored at nitrogen-doped carbon ribbons for sodium-ion battery anodes with high rate performance. Journal of Materials Chemistry A, 2017, 5, 17963-17972.	5.2	93
56	Tuning phase transition and ferroelectric properties of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (fluoride-co-trifluoro Journal of Materials Chemistry C, 2013, 1, 1111-1121.	2.7	91
57	Fabrication of one-dimensional heterostructured TiO₂@SnO₂with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 116-122.	5.2	88
58	Mesoporous Co₃V₂O₈nanoparticles grown on reduced graphene oxide as a high-rate and long-life anode material for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 6264-6270.	5.2	88
59	Combination of uniform SnO2 nanocrystals with nitrogen doped graphene for high-performance lithium-ion batteries anode. Chemical Engineering Journal, 2016, 283, 1435-1442.	6.6	88
60	Galvanic-replacement mediated synthesis of copperâ€“nickel nitrides as electrocatalyst for hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 24850-24858.	5.2	88
61	Poly(ionic liquid)-polyethylene oxide semi-interpenetrating polymer network solid electrolyte for safe lithium metal batteries. Chemical Engineering Journal, 2019, 375, 121925.	6.6	88
62	Highly Efficient Nanocatalysts Supported on Hollow Polymer Nanospheres:â€‰ Synthesis, Characterization, and Applications. Journal of Physical Chemistry C, 2008, 112, 774-780.	1.5	83
63	Significantly improving dielectric and energy storage properties via uniaxially stretching crosslinked P(VDF-co-TrFE) films. Journal of Materials Chemistry A, 2013, 1, 10353.	5.2	83
64	A facile one-step synthesis of three-dimensionally ordered macroporous N-doped TiO₂ with ethanediamine as the nitrogen source. Journal of Materials Chemistry A, 2014, 2, 15611-15619.	5.2	83
65	3D flower-like defected MoS2 magnetron-sputtered on candle soot for enhanced hydrogen evolution reaction. Applied Catalysis B: Environmental, 2020, 263, 117750.	10.8	82
66	Partial sulfuration-induced defect and interface tailoring on bismuth oxide for promoting electrocatalytic CO₂reduction. Journal of Materials Chemistry A, 2020, 8, 2472-2480.	5.2	82
67	Hexagonal boron nitride induces anion trapping in a polyethylene oxide based solid polymer electrolyte for lithium dendrite inhibition. Journal of Materials Chemistry A, 2020, 8, 9579-9589.	5.2	81
68	Blowing Iron Chalcogenides into Two-Dimensional Flaky Hybrids with Superior Cyclability and Rate Capability for Potassium-Ion Batteries. ACS Nano, 2021, 15, 2506-2519.	7.3	79
69	Facile synthesis of three-dimensional structured carbon fiber-NiCo2O4-Ni(OH)2 high-performance electrode for pseudocapacitors. Scientific Reports, 2015, 5, 9277.	1.6	78
70	MoS₂nanosheets grown on amorphous carbon nanotubes for enhanced sodium storage. Journal of Materials Chemistry A, 2016, 4, 4375-4379.	5.2	78
71	A NiCo2O4 nanosheet-mesoporous carbon composite electrode for enhanced reversible lithium storage. Carbon, 2016, 99, 633-641.	5.4	77
72	Investigating the impacts of cascade hydropower development on the natural flow regime in the Yangtze River, China. Science of the Total Environment, 2018, 624, 1187-1194.	3.9	76

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73	Highly Stretchable Organogel Ionic Conductors with Extreme-Temperature Tolerance. Chemistry of Materials, 2019, 31, 3257-3264.	3.2	75
74	Ordered mesoporous carbon supported Ni₃V₂O₈ composites for lithium-ion batteries with long-term and high-rate performance. Journal of Materials Chemistry A, 2018, 6, 7005-7013.	5.2	74
75	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. Angewandte Chemie - International Edition, 2021, 60, 25530-25537.	7.2	74
76	The facile synthesis of hierarchical NiCoO2 nanotubes comprised ultrathin nanosheets for supercapacitors. Journal of Power Sources, 2014, 267, 641-647.	4.0	72
77	Orthogonal synthesis, structural characteristics, and enhanced visible-light photocatalysis of mesoporous Fe2O3/TiO2 heterostructured microspheres. Applied Surface Science, 2014, 311, 314-323.	3.1	69
78	Dense Crystallineâ€“Amorphous Interfacial Sites for Enhanced Electrocatalytic Oxygen Evolution. Advanced Functional Materials, 2022, 32, 2107056.	7.8	69
79	Band alignment in Zn2SnO4/SnO2 heterostructure enabling efficient CO2 electrochemical reduction. Nano Energy, 2019, 64, 103954.	8.2	68
80	The preparation of uniform SnO2 nanotubes with a mesoporous shell for lithium storage. Journal of Materials Chemistry A, 2013, 1, 2995.	5.2	67
81	Development of solid electrolytes in Znâ€“air and Alâ€“air batteries: from material selection to performance improvement strategies. Journal of Materials Chemistry A, 2021, 9, 4415-4453.	5.2	67
82	Iron Selenide Microcapsules as Universal Conversionâ€Typed Anodes for Alkali Metalâ€Ion Batteries. Small, 2021, 17, e2005745.	5.2	66
83	One-pot synthesis of carbon coated Fe₃O₄ nanosheets with superior lithium storage capability. Journal of Materials Chemistry A, 2015, 3, 4716-4721.	5.2	65
84	Combined DFT and XPS investigation of iodine anions adsorption on the sulfur terminated (001) chalcopyrite surface. Applied Surface Science, 2016, 390, 412-421.	3.1	65
85	Synthesis of micro-sized SnO2@carbon hollow spheres with enhanced lithium storage properties. Nanoscale, 2012, 4, 3651.	2.8	64
86	MOF derived CoO-NCNTs two-dimensional networks for durable lithium and sodium storage. Journal of Materials Chemistry A, 2019, 7, 4126-4133.	5.2	64
87	Preparation of scale-like nickel cobaltite nanosheets assembled on nitrogen-doped reduced graphene oxide for high-performance supercapacitors. Carbon, 2014, 80, 222-228.	5.4	63
88	Hydroxyl-riched halloysite clay nanotubes serving as substrate of NiO nanosheets for high-performance supercapacitor. Journal of Power Sources, 2015, 285, 210-216.	4.0	63
89	A multidimension cloud model-based approach for water quality assessment. Environmental Research, 2016, 149, 113-121.	3.7	63
90	NiO nanosheets anchored on honeycomb porous carbon derived from wheat husk for symmetric supercapacitor with high performance. Journal of Alloys and Compounds, 2018, 735, 1722-1729.	2.8	63

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91	SBA-15 derived carbon-supported SnO2 nanowire arrays with improved lithium storage capabilities. Journal of Materials Chemistry, 2011, 21, 13860.	6.7	61
92	A framework to assess the cumulative impacts of dams on hydrological regime: A case study of the Yangtze River. Hydrological Processes, 2017, 31, 3045-3055.	1.1	60
93	CNTs@SnO₂@Carbon Coaxial Nanocables with High Mass Fraction of SnO₂ for Improved Lithium Storage. Chemistry - an Asian Journal, 2011, 6, 2278-2281.	1.7	58
94	A universal synthetic route to carbon nanotube/transition metal oxide nano-composites for lithium ion batteries and electrochemical capacitors. Scientific Reports, 2016, 6, 37752.	1.6	58
95	Bacterial Cellulose Composite Solid Polymer Electrolyte With High Tensile Strength and Lithium Dendrite Inhibition for Long Life Battery. Energy and Environmental Materials, 2021, 4, 434-443.	7.3	58
96	Bowlâ€like SnO₂@Carbon Hollow Particles as an Advanced Anode Material for Lithiumâ€Ion Batteries. Angewandte Chemie, 2014, 126, 13017-13021.	1.6	57
97	Water temperature forecasting based on modified artificial neural network methods: Two cases of the Yangtze River. Science of the Total Environment, 2020, 737, 139729.	3.9	57
98	MnO₂ Nanosheets Grown on Nitrogenâ€Doped Hollow Carbon Shells as a Highâ€Performance Electrode for Asymmetric Supercapacitors. Chemistry - A European Journal, 2015, 21, 7119-7126.	1.7	56
99	Dielectric gels with ultra-high dielectric constant, low elastic modulus, and excellent transparency. NPG Asia Materials, 2018, 10, 821-826.	3.8	56
100	A new polysulfide blocker - poly(acrylic acid) modified separator for improved performance of lithium-sulfur battery. Journal of Membrane Science, 2018, 563, 277-283.	4.1	55
101	Synthesis of nanocomposites with carbonâ€“SnO2 dual-shells on TiO2 nanotubes and their application in lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 16057-16063.	5.2	53
102	The preparation of mesoporous SnO2 nanotubes by carbon nanofibers template and their lithium storage properties. Electrochimica Acta, 2013, 98, 263-267.	2.6	52
103	One-step synthesis of free-standing Î±-Ni(OH)₂ nanosheets on reduced graphene oxide for high-performance supercapacitors. Nanotechnology, 2014, 25, 435403.	1.3	52
104	Phase boundary-enhanced Ni₃Nâ€“Co₃N@CNT composite materials for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 1779-1784.	5.2	51
105	Phase boundary engineering of metal-organic-framework-derived carbonaceous nickel selenides for sodium-ion batteries. Nano Research, 2020, 13, 2289-2298.	5.8	51
106	A CoMoO₄â€“Co₂Mo₃O₈ heterostructure with valence-rich molybdenum for a high-performance hydrogen evolution reaction in alkaline solution. Journal of Materials Chemistry A, 2019, 7, 16761-16769.	5.2	50
107	Free-standing ultrathin CoMn₂O₄ nanosheets anchored on reduced graphene oxide for high-performance supercapacitors. Dalton Transactions, 2015, 44, 18737-18742.	1.6	49
108	Understanding the Dual-Phase Synergy Mechanism in Mn₂O₃â€“Mn₃O₄ Catalyst for Efficient Liâ€“CO₂ Batteries. ACS Applied Materials & Interfaces, 2020, 12, 33846-33854.	4.0	49

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109	Low temperature synthesis of polyanilineâ€“crystalline TiO2â€“halloysite composite nanotubes with enhanced visible light photocatalytic activity. Journal of Colloid and Interface Science, 2015, 458, 1-13.	5.0	47
110	Quick one-pot synthesis of amorphous carbon-coated cobaltâ€“ferrite twin elliptical frustums for enhanced lithium storage capability. Journal of Materials Chemistry A, 2017, 5, 8062-8069.	5.2	47
111	Facile construction of ultrathin standing Î±-Ni(OH)₂ nanosheets on halloysite nanotubes and their enhanced electrochemical capacitance. Journal of Materials Chemistry A, 2014, 2, 11299-11304.	5.2	46
112	Phenolic Resin and Derived Carbon Hollow Spheres. Macromolecular Chemistry and Physics, 2006, 207, 1633-1639.	1.1	45
113	Construction of sandwich-type hybrid structures by anchoring mesoporous ZnMn2O4 nanofoams on reduced graphene oxide with highly enhanced capability. Journal of Materials Chemistry A, 2016, 4, 10419-10424.	5.2	45
114	Red blood cell-like hollow carbon sphere anchored ultrathin Na₂Ti₃O₇ nanosheets as long cycling and high rate-performance anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 13164-13170.	5.2	45
115	Hydrophobic Ionic Liquid Gel-Based Triboelectric Nanogenerator: Next Generation of Ultrastable, Flexible, and Transparent Power Sources for Sustainable Electronics. ACS Applied Materials & Interfaces, 2020, 12, 15012-15022.	4.0	45
116	Electroless fabrication and supercapacitor performance of CNT@NiO-nanosheet composite nanotubes. Nanotechnology, 2016, 27, 075605.	1.3	44
117	Rational Design of NiCoO₂@SnO₂ Heterostructure Attached on Amorphous Carbon Nanotubes with Improved Lithium Storage Properties. ACS Applied Materials & Interfaces, 2016, 8, 6004-6010.	4.0	44
118	Au nanoparticle-decorated NiCo2O4 nanoflower with enhanced electrocatalytic activity toward methanol oxidation. Journal of Alloys and Compounds, 2018, 732, 460-469.	2.8	44
119	CTAB-assisted growth of self-supported Zn₂GeO₄ nanosheet network on a conductive foam as a binder-free electrode for long-life lithium-ion batteries. Nanoscale, 2018, 10, 921-929.	2.8	44
120	A metal nanoparticle assembly with broadband absorption and suppressed thermal radiation for enhanced solar steam generation. Journal of Materials Chemistry A, 0, , .	5.2	44
121	Highly Stretchable and Transparent Ionic Conductor with Novel Hydrophobicity and Extreme-Temperature Tolerance. Research, 2020, 2020, 2505619.	2.8	44
122	Functional polymers in electrolyte optimization and interphase design for lithium metal anodes. Journal of Materials Chemistry A, 2021, 9, 13388-13401.	5.2	43
123	Construction of High-Quality SnO₂@MoS₂ Nanohybrids for Promising Photoelectrocatalytic Applications. Inorganic Chemistry, 2017, 56, 3386-3393.	1.9	42
124	Ultrafine Co-doped ZnO nanoparticles on reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction. Electrochimica Acta, 2017, 224, 561-570.	2.6	42
125	Hierarchically structured Pt/CNT@TiO₂nanocatalysts with ultrahigh stability for low-temperature fuel cells. RSC Advances, 2012, 2, 792-796.	1.7	41
126	Monodisperse Agâ€“AgBr nanocrystals anchored on one-dimensional TiO₂ nanotubes with efficient plasmon-assisted photocatalytic performance. RSC Advances, 2016, 6, 68653-68662.	1.7	41

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127	Promoting Bifunctional Water Splitting by Modification of the Electronic Structure at the Interface of NiFe Layered Double Hydroxide and Ag. ACS Applied Materials & Interfaces, 2021, 13, 26055-26063.	4.0	41
128	Facile synthesis of interwoven ZnMn2O4 nanofibers by electrospinning and their performance in Li-ion batteries. Materials Letters, 2014, 128, 336-339.	1.3	39
129	Rational modulation of N, P co-doped carbon nanotubes encapsulating Co3Fe7 alloy as bifunctional oxygen electrocatalysts for Zincâ€“Air batteries. Journal of Power Sources, 2019, 441, 227177.	4.0	39
130	Promotion of Nitrogen Reserve and Electronic Regulation in Bamboo-like Carbon Tubules by Cobalt Nanoparticles for Highly Efficient ORR. ACS Applied Energy Materials, 2020, 3, 2323-2330.	2.5	39
131	PorousÎ³-Fe₂O₃spheres coated with N-doped carbon from polydopamine as Li-ion battery anode materials. Nanotechnology, 2016, 27, 215403.	1.3	38
132	Ethylene glycol-mediated rapid synthesis of carbon-coated ZnFe2O4 nanoflakes with long-term and high-rate performance for lithium-ion batteries. Dalton Transactions, 2018, 47, 3521-3529.	1.6	38
133	Facile synthesis of ultrathin and perpendicular NiMn₂O₄ nanosheets on reduced graphene oxide as advanced electrodes for supercapacitors. Inorganic Chemistry Frontiers, 2018, 5, 1714-1720.	3.0	38
134	Ultrathin NiFe-layered double hydroxide decorated NiCo2O4 arrays with enhanced performance for supercapacitors. Applied Surface Science, 2019, 465, 929-936.	3.1	38
135	Deep Phase Transition of MoS₂ for Excellent Hydrogen Evolution Reaction by a Facile C-Doping Strategy. ACS Applied Materials & Interfaces, 2020, 12, 877-885.	4.0	38
136	Variable Fuzzy Set Theory to Assess Water Quality of the Meiliang Bay in Taihu Lake Basin. Water Resources Management, 2014, 28, 867-880.	1.9	37
137	Amorphous Iron(III)â€Borate Nanolattices as Multifunctional Electrodes for Selfâ€Driven Overall Water Splitting and Rechargeable Zincâ€“Air Battery. Small, 2018, 14, e1802829.	5.2	37
138	The structure dependent electrochemical performance of porous Co3O4 nanoplates as anode materials for lithium-ion batteries. Journal of Power Sources, 2014, 251, 351-356.	4.0	36
139	Microwave-assisted fast synthesis of hierarchical NiCo₂O₄ nanoflower-like supported Ni(OH)₂ nanoparticles with an enhanced electrocatalytic activity towards methanol oxidation. Inorganic Chemistry Frontiers, 2018, 5, 172-182.	3.0	36
140	Carbon-supported SnO2 nanowire arrays with enhanced lithium storage properties. Electrochimica Acta, 2015, 158, 321-326.	2.6	35
141	High loading cotton cellulose-based aerogel self-standing electrode for Li-S batteries. Science Bulletin, 2020, 65, 803-811.	4.3	35
142	Complex Hollow Bowlâ€Like Nanostructures: Synthesis, Application, and Perspective. Advanced Functional Materials, 2021, 31, 2007801.	7.8	35
143	Currentâ€Density Regulating Lithium Metal Directional Deposition for Long Cycleâ€Life Li Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 19306-19313.	7.2	35
144	Nitrogenâ€Doped Graphene Quantum Dots Anchored on Thermally Reduced Graphene Oxide as an Electrocatalyst for the Oxygen Reduction Reaction. ChemElectroChem, 2016, 3, 864-870.	1.7	34

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145	Stable Luminous Nanocomposites of Confined Mn²⁺-Doped Lead Halide Perovskite Nanocrystals in Mesoporous Silica Nanospheres as Orange Fluorophores. Inorganic Chemistry, 2019, 58, 3950-3958.	1.9	34
146	Hierarchical hybrid ZnFe2O4 nanoparticles/reduced graphene oxide composite with long-term and high-rate performance for lithium ion batteries. Journal of Alloys and Compounds, 2018, 737, 58-66.	2.8	33
147	Singlet oxygen-promoted one-pot synthesis of highly ordered mesoporous silica materials via the radical route. Green Chemistry, 2022, 24, 4778-4782.	4.6	33
148	Encapsulated nano-heat-sinks for thermal management of heterogeneous chemical reactions. Nanoscale, 2010, 2, 2790.	2.8	31
149	Vine copula selection using mutual information for hydrological dependence modeling. Environmental Research, 2020, 186, 109604.	3.7	31
150	Magnetic covalent organic framework immobilized gold nanoparticles with high-efficiency catalytic performance for chemiluminescent detection of pesticide triazophos. Talanta, 2021, 235, 122798.	2.9	31
151	The preparation of hierarchical tubular structures comprised of NiO nanosheets with enhanced supercapacitive performance. RSC Advances, 2014, 4, 3181-3187.	1.7	30
152	Comprehensive investigation of the reciprocity of structure and enhanced photocatalytic performance in finned-tube structured TiO₂/BiOBr heterojunctions. RSC Advances, 2015, 5, 102228-102237.	1.7	30
153	A kriging and entropy-based approach to raingauge network design. Environmental Research, 2018, 161, 61-75.	3.7	30
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