Shujiang Ding

List of Publications by Year
in descending order

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

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

#	Article	IF	Citations
1	Highly sensitive electrochemical non-enzymatic glucose biosensor based on squamous NiCo₂O₄ nanosheets decorated nitrogen-doped reduced graphene oxide. Materials Technology, 2022, 37, 906-914.	1.5	1
2	Highly conductive organic-ionogels with excellent hydrophobicity and flame resistance. Chemical Engineering Journal, 2022, 427, 131057.	6.6	20
3	Dense Crystallineâ€“Amorphous Interfacial Sites for Enhanced Electrocatalytic Oxygen Evolution. Advanced Functional Materials, 2022, 32, 2107056.	7.8	69
4	Layered NiPS3 nanoparticles anchored on two-dimensional nitrogen-doped biochar nanosheets for ultra-high rate sodium-ion storage. Composites Communications, 2022, 29, 100988.	3.3	8
5	Metalâ€“organic-framework derived Co@CN modified horizontally aligned graphene oxide array as free-standing anode for lithium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 699-706.	5.2	17
6	Introduction to materials chemistry at Xiâ€™an Jiaotong University. Materials Chemistry Frontiers, 2022, 6, 126-127.	3.2	0
7	A Sn doped, strained CuAg film for electrochemical CO₂ reduction. Journal of Materials Chemistry A, 2022, 10, 7082-7089.	5.2	6
8	Structure, composition and electrochemical performance analysis of fluorophosphates from different synthetic methods: is really Na₃V₂(PO₄)₂F₃ synthesized?. Journal of Materials Chemistry A, 2022, 10, 8877-8886.	5.2	13
9	An Ionically Conductive, Self-Powered and Stable Organogel for Pressure Sensing. Nanomaterials, 2022, 12, 714.	1.9	5
10	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
11	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metalâ€“Nitrogenâ€“Graphene for Efficient Oxygen Reduction. Angewandte Chemie, 2022, 134, .	1.6	22
12	Rational Design of Nanostructured Metal/C Interface in 3D Selfâ€Supporting Cellulose Carbon Aerogel Facilitating Highâ€Performance Liâ€CO₂ Batteries. Advanced Energy Materials, 2022, 12, .	10.2	22
13	Boosting the Ion Mobility in Solid Polymer Electrolytes Using Hollow Polymer Nanospheres as an Additive. ACS Applied Materials & Interfaces, 2022, 14, 18360-18372.	4.0	12
14	Effect of chelator content on the structural and electrochemical performance of Na₃V₂(PO₄)₂F₃ by solâ€“gel preparation. CrystEngComm, 2022, 24, 4519-4526.	1.3	6
15	A DFT Study on the Activity Origin of Feâ€“Nâ€“C Sites for Oxygen Reduction Reaction. ChemPhysChem, 2022, 23, .	1.0	7
16	Nanofibrillated Cellulose-Derived Nanofibrous Co@N-C as Oxygen Reduction Reaction Catalysts in Znâ€“Air Batteries. ACS Applied Nano Materials, 2022, 5, 6438-6446.	2.4	9
17	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
18	Porous Nanostructured Composite Film for Visible-to-Infrared Camouflage with Thermal Management. ACS Applied Materials & Interfaces, 2022, 14, 24690-24696.	4.0	19

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19	Expanding the active charge carriers of polymer electrolytes in lithium-based batteries using an anion-hosting cathode. Nature Communications, 2022, 13, .	5.8	18
20	Semiconductivity and high stability in centimetric two-dimensional bismuthâ€“silver hybrid double perovskites. Materials Chemistry Frontiers, 2022, 6, 2135-2142.	3.2	3
21	Fabrication of NiMn₂O₄ nanosheets on reduced graphene oxide for non-enzymatic detection of glucose. Materials Technology, 2021, 36, 203-211.	1.5	16
22	Complex Hollow Bowlâ€Like Nanostructures: Synthesis, Application, and Perspective. Advanced Functional Materials, 2021, 31, 2007801.	7.8	35
23	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
24	Synchronous growth of 30Â°-twisted bilayer graphene domains with millimeter scale. 2D Materials, 2021, 8, 021002.	2.0	5
25	Facile phase transition engineering of MoS₂ for electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 8394-8400.	5.2	28
26	Iron Selenide Microcapsules as Universal Conversionâ€Typed Anodes for Alkali Metalâ€Ion Batteries. Small, 2021, 17, e2005745.	5.2	66
27	Functional polymers in electrolyte optimization and interphase design for lithium metal anodes. Journal of Materials Chemistry A, 2021, 9, 13388-13401.	5.2	43
28	Fluorine Dissolution-Induced Capacity Degradation for Fluorophosphate-Based Cathode Materials. ACS Applied Materials & Interfaces, 2021, 13, 23787-23793.	4.0	17
29	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
30	High-performance non-enzymatic glucose-sensing electrode fabricated by Î±-nickel hydroxide-reduced graphene oxide nanocomposite on nickel foam substrate. Journal of Materials Science: Materials in Electronics, 2021, 32, 19327-19338.	1.1	9
31	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
32	Currentâ€Density Regulating Lithium Metal Directional Deposition for Long Cycleâ€Life Li Metal Batteries. Angewandte Chemie, 2021, 133, 19455-19462.	1.6	2
33	Azoâ€Functionalized Zirconiumâ€Based Metalâ€'Organic Polyhedron as an Efficient Catalyst for CO₂ Fixation with Epoxides. Chemistry - A European Journal, 2021, 27, 12890-12899.	1.7	8
34	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
35	Partial Hydrolysis of Cyanide Coordination Polymers Induced by a Pillar Ligand with Optimized Electrochemical Kinetics for Rechargeable Alkaline Batteries. Chemistry - A European Journal, 2021, 27, 17818-17823.	1.7	2
36	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. Angewandte Chemie, 2021, 133, 25734-25741.	1.6	5

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37	Ship in bottle synthesis of yolk-shell MnS@hollow carbon spheres for sodium storage. Nanotechnology, 2021, 32, 505602.	1.3	11
38	Plasma-assisted and oxygen vacancy-engineered In2O3 films for enhanced electrochemical reduction of CO2. Applied Surface Science, 2021, 563, 150405.	3.1	21
39	Flexible non-enzymatic glucose biosensor based on CoNi2S4 nanosheets grown on nitrogen-doped carbon foam substrate. Journal of Alloys and Compounds, 2021, 883, 160830.	2.8	14
40	Coordination-driven hierarchically structured composites with N-CNTs-grafted graphene-confined ultra-small Co nanoparticles as effective oxygen electrocatalyst in rechargeable Zn-air battery. Ceramics International, 2021, 47, 30091-30098.	2.3	10
41	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
42	Lattice oxygen self-spillover on reducible oxide supported metal cluster: the waterâ€“gas shift reaction on Cu/CeO₂ catalyst. Chemical Science, 2021, 12, 8260-8267.	3.7	21
43	A CoSe₂-based 3D conductive network for high-performance potassium storage: enhancing charge transportation by encapsulation and restriction strategy. Materials Chemistry Frontiers, 2021, 5, 5351-5360.	3.2	6
44	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
45	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
46	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
47	A facile synthesis of CoMn₂O₄ nanosheets on reduced graphene oxide for non-enzymatic glucose sensing. Nanotechnology, 2021, 32, 055501.	1.3	11
48	Thermally stable Ni@SiO2 core-shell nanoparticles for high-temperature solar selective absorber. Solar Energy, 2021, 228, 413-417.	2.9	6
49	Stable two-dimensional lead iodide hybrid materials for light detection and broadband photoluminescence. Materials Chemistry Frontiers, 2021, 6, 71-77.	3.2	1
50	Glucose oxidase@zinc-doped zeolitic imidazolate framework-67 as an effective cascade catalyst for one-step chemiluminescence sensing of glucose. Mikrochimica Acta, 2021, 188, 427.	2.5	7
51	Co-N-Doped Directional Multichannel PAN/CA-Based Electrospun Carbon Nanofibers as High-Efficiency Bifunctional Oxygen Electrocatalysts for Znâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 17068-17077.	3.2	25
52	Self-Terminated Electroless Deposition of Surfactant-Free and Monodispersed Pt Nanoparticles on Carbon Fiber Microelectrodes for Sensitive Detection of H₂O₂ Released from Living Cells. Analytical Chemistry, 2021, 93, 16683-16689.	3.2	14
53	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
54	Developing a dual entropy-transinformation criterion for hydrometric network optimization based on information theory and copulas. Environmental Research, 2020, 180, 108813.	3.7	5

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55	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
56	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
57	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
58	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
59	Self-supported nickel nitride nanosheets as highly efficient electrocatalysts for hydrogen evolution. Applied Surface Science, 2020, 503, 144143.	3.1	13
60	Quantifying the change in streamflow complexity in the Yangtze River. Environmental Research, 2020, 180, 108833.	3.7	25
61	Electrochemical one-pot synthesis of five-membered azaheterocycles via [4 + 1] cyclization. Organic Chemistry Frontiers, 2020, 7, 3912-3917.	2.3	10
62	Spontaneously Formed Mottâ€Schottky Electrocatalyst for Lithiumâ€Sulfur Batteries. Advanced Materials Interfaces, 2020, 7, 1902092.	1.9	21
63	Mottâ€Schottky Electrocatalyst: Spontaneously Formed Mottâ€Schottky Electrocatalyst for Lithiumâ€Sulfur Batteries (Adv. Mater. Interfaces 22/2020). Advanced Materials Interfaces, 2020, 7, 2070122.	1.9	3
64	Autogenous growth of the hierarchical V-doped NiFe layer double metal hydroxide electrodes for an enhanced overall water splitting. Dalton Transactions, 2020, 49, 11217-11225.	1.6	26
65	Promising functional two-dimensional lamellar metal thiophosphates: synthesis strategies, properties and applications. Materials Horizons, 2020, 7, 3131-3160.	6.4	26
66	Multivariate Hazard Assessment for Nonstationary Seasonal Flood Extremes Considering Climate Change. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032780.	1.2	8
67	An Overview and Future Perspectives of Rechargeable Zinc Batteries. Small, 2020, 16, e2000730.	5.2	216
68	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
69	Metalâ€Free Direct Câ€“H Î²â€Carbonyl Alkylation of Heteroarenes with Cyclopropanols Mediated by K₂S₂O₈. European Journal of Organic Chemistry, 2020, 2020, 2600-2604.	1.2	17
70	Ionic liquid assisted electrochemical coating zinc nanoparticles on carbon cloth as lithium dendrite suppressing host. Science Bulletin, 2020, 65, 1094-1102.	4.3	18
71	Phase boundary engineering of metal-organic-framework-derived carbonaceous nickel selenides for sodium-ion batteries. Nano Research, 2020, 13, 2289-2298.	5.8	51
72	Interdigital electrodes of air@NiO porous nanoshells for high performance microsupercapacitors by thermally-assisted 3D printing. Nanotechnology, 2020, 31, 375301.	1.3	3

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73	Suppressing the Shuttle Effect and Dendrite Growth in Lithiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 9819-9831.	7.3	209
74	Nitrogen-Doped Hierarchical Porous Carbon-Promoted Adsorption of Anthraquinone for Long-Life Organic Batteries. ACS Applied Materials & Interfaces, 2020, 12, 34910-34918.	4.0	9
75	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
76	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
77	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
78	A probabilistic modeling framework for assessing the impacts of large reservoirs on river thermal regimes â€“ A case of the Yangtze River. Environmental Research, 2020, 183, 109221.	3.7	12
79	Self-assembled CoTiO₃ nanorods with controllable oxygen vacancies for the efficient photochemical reduction of CO₂ to CO. Catalysis Science and Technology, 2020, 10, 2040-2046.	2.1	22
80	Aminoâ€Induced 2D Cuâ€Based Metalâ€“Organic Framework as an Efficient Heterogeneous Catalyst for Aerobic Oxidation of Olefins. Chemistry - A European Journal, 2020, 26, 4333-4340.	1.7	18
81	High loading cotton cellulose-based aerogel self-standing electrode for Li-S batteries. Science Bulletin, 2020, 65, 803-811.	4.3	35
82	The main factor to improve the performance of CoSe₂ for photocatalytic CO₂ reduction: element doping or phase transformation. Journal of Materials Chemistry A, 2020, 8, 4457-4463.	5.2	23
83	Vine copula selection using mutual information for hydrological dependence modeling. Environmental Research, 2020, 186, 109604.	3.7	31
84	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
85	Hierarchical NiO/CMK-3 Photocathode for a p-Type Dye-Sensitized Solar Cell with Improved Photoelectrochemical Performance and Fast Hole Transfer. Molecules, 2020, 25, 1638.	1.7	6
86	Improved comprehensive ecological risk assessment method and sensitivity analysis of polycyclic aromatic hydrocarbons (PAHs). Environmental Research, 2020, 187, 109500.	3.7	6
87	Highly Stretchable and Transparent Ionic Conductor with Novel Hydrophobicity and Extreme-Temperature Tolerance. Research, 2020, 2020, 2505619.	2.8	44
88	Carbon@titanium nitrideÂdual shell nanospheres as multi-functional hosts for lithium sulfur batteries. Energy Storage Materials, 2019, 16, 228-235.	9.5	276
89	Band alignment in Zn2SnO4/SnO2 heterostructure enabling efficient CO2 electrochemical reduction. Nano Energy, 2019, 64, 103954.	8.2	68
90	Au/Ag alloy nanostructure with built-in hotspots fabricated by galvanic-replacement-assisted growth on AgI for surface-enhanced Raman spectroscopy. Journal of Alloys and Compounds, 2019, 809, 151677.	2.8	7

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91	CoS nanosheets wrapping on bowl-like hollow carbon spheres with enhanced compact density for sodium-ion batteries. Nanotechnology, 2019, 30, 425402.	1.3	17
92	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
93	Lithiumâ€“Sulfur Batteries: Flexible and Highâ€Loading Lithiumâ€“Sulfur Batteries Enabled by Integrated Threeâ€Inâ€One Fibrous Membranes (Adv. Energy Mater. 38/2019). Advanced Energy Materials, 2019, 9, 1970147.	10.2	5
94	Tuning of metallic valence in CoMoP for promoting electrocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 31072-31081.	3.8	22
95	CoNi2S4 nanosheets on nitrogen-doped carbon foam as binder-free and flexible electrodes for high-performance asymmetric supercapacitors. Nanotechnology, 2019, 30, 495404.	1.3	20
96	Flexible and Highâ€Loading Lithiumâ€“Sulfur Batteries Enabled by Integrated Threeâ€Inâ€One Fibrous Membranes. Advanced Energy Materials, 2019, 9, 1902001.	10.2	98
97	Evaluation of information transfer and data transfer models of rain-gauge network design based on information entropy. Environmental Research, 2019, 178, 108686.	3.7	9
98	Nickel nanoparticles individually encapsulated in densified ceramic shells for thermally stable solar energy absorption. Journal of Materials Chemistry A, 2019, 7, 3039-3045.	5.2	9
99	Phase boundary-enhanced Ni₃Nâ€“Co₃N@CNT composite materials for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 1779-1784.	5.2	51
100	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
101	Galvanic exchange carving growth of Coâ€“Fe LDHs with enhanced water oxidation. International Journal of Hydrogen Energy, 2019, 44, 20085-20092.	3.8	12
102	External oxidant-free oxidation/[3+2] cycloaddition/aromatization cascade: electrochemical synthesis of polycyclic N-heterocycles. Chemical Communications, 2019, 55, 8398-8401.	2.2	24
103	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
104	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
105	Enhancing Catalytic Activity of Titanium Oxide in Lithiumâ€“Sulfur Batteries by Band Engineering. Advanced Energy Materials, 2019, 9, 1900953.	10.2	326
106	Highly Stretchable Organogel Ionic Conductors with Extreme-Temperature Tolerance. Chemistry of Materials, 2019, 31, 3257-3264.	3.2	75
107	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
108	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

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109	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
110	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
111	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
112	3D ordered mesoporous TiO₂@CMK-3 nanostructure for sodium-ion batteries with long-term and high-rate performance. Nanotechnology, 2019, 30, 235401.	1.3	8
113	Surface dual-oxidation induced metallic copper doping into NiFe electrodes for electrocatalytic water oxidation. Journal of Materials Chemistry A, 2019, 7, 22889-22897.	5.2	26
114	NiCoO2@CMK-3 composite with nanosheets-mesoporous structure as an efficient oxygen reduction catalyst. Electrochimica Acta, 2019, 294, 38-45.	2.6	13
115	Ultrathin NiFe-layered double hydroxide decorated NiCo2O4 arrays with enhanced performance for supercapacitors. Applied Surface Science, 2019, 465, 929-936.	3.1	38
116	Mesoporous TiO₂ nanosheets anchored on graphene for ultra long life Na-ion batteries. Nanotechnology, 2018, 29, 225401.	1.3	17
117	Self-assembly of Fe2O3/ordered mesoporous carbons for high-performance lithium-ion batteries. Journal of Electroanalytical Chemistry, 2018, 817, 65-72.	1.9	29
118	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
119	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
120	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
121	Hierarchical hybrid sandwiched structure of ultrathin graphene nanosheets enwrapped MnO nanooctahedra with excellent lithium storage capability. Journal of Alloys and Compounds, 2018, 749, 424-432.	2.8	28
122	Au nanoparticle-decorated NiCo2O4 nanoflower with enhanced electrocatalytic activity toward methanol oxidation. Journal of Alloys and Compounds, 2018, 732, 460-469.	2.8	44
123	A Highly Efficient Electrocatalyst Derived from Polyaniline@CNTsâ"SPS for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 195-200.	1.7	4
124	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
125	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
126	A new method for wind speed forecasting based on copula theory. Environmental Research, 2018, 160, 365-371.	3.7	26

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127	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
128	A kriging and entropy-based approach to raingauge network design. Environmental Research, 2018, 161, 61-75.	3.7	30
129	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
130	Rechargeable Zincâ€“Air Batteries: Amorphous Iron(III)â€Borate Nanolattices as Multifunctional Electrodes for Selfâ€Driven Overall Water Splitting and Rechargeable Zincâ€“Air Battery (Small 48/2018). Small, 2018, 14, 1870233.	5.2	0
131	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
132	New Theoretical Strategy for the Correlation of Oxygen Evolution Performance and Metal Catalysts Adsorption at BiVO₄ Surfaces. Journal of Physical Chemistry C, 2018, 122, 25195-25203.	1.5	10
133	One-pot synthesis of cup-like ZSM-5 zeolite and its excellent oxidative desulfurization performance. RSC Advances, 2018, 8, 31979-31983.	1.7	10
134	Dielectric gels with ultra-high dielectric constant, low elastic modulus, and excellent transparency. NPG Asia Materials, 2018, 10, 821-826.	3.8	56
135	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
136	Transitionâ€Metal Oxides Anchored on Nitrogenâ€Enriched Carbon Ribbons for Highâ€Performance Pseudocapacitors. Chemistry - A European Journal, 2018, 24, 16104-16112.	1.7	22
137	3D printing of interdigitated electrode for all-solid-state microsupercapacitors. Journal of Micromechanics and Microengineering, 2018, 28, 105014.	1.5	14
138	Hierarchical micro/mesoporous nitrogen-doped carbons derived from hypercrosslinked polymers for highly efficient oxygen reduction reaction. Carbon, 2018, 138, 348-356.	5.4	27
139	Highly stretchable and transparent ionic conducting elastomers. Nature Communications, 2018, 9, 2630.	5.8	223
140	Ultrafast microwave-assisted synthesis of nitrogen-doped carbons as electrocatalysts for oxygen reduction reaction. Nanotechnology, 2018, 29, 305708.	1.3	8
141	Hierarchical NiCoO₂ Nanosheets Anchored on Hollow Carbon Spheres for Highâ€Performance Lithiumâ€Ion Battery Anodes. ChemPlusChem, 2018, 83, 929-933.	1.3	9
142	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
143	First-principles screening visible-light active delafossite ABO2 structures for photocatalytic application. International Journal of Hydrogen Energy, 2018, 43, 17271-17282.	3.8	11
144	Dopamine-Assisted Synthesis of MoS₂ Nanosheets on Carbon Nanotube for Improved Lithium and Sodium Storage Properties. ACS Applied Energy Materials, 2018, 1, 5112-5118.	2.5	25

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145	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
146	PEO-based polymer electrolytes in lithium ion batteries. Chinese Science Bulletin, 2018, 63, 2280-2295.	0.4	9
147	3D Printing of Carbon Nanotubes-Based Microsupercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 4597-4604.	4.0	174
148	Construction of High-Quality SnO₂@MoS₂ Nanohybrids for Promising Photoelectrocatalytic Applications. Inorganic Chemistry, 2017, 56, 3386-3393.	1.9	42
149	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
150	NiCoO 2 nanosheets grown on nitrogen-doped porous carbon sphere as a high-performance anode material for lithium-ion batteries. International Journal of Hydrogen Energy, 2017, 42, 13150-13157.	3.8	18
151	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
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