

Shanqing Zhang

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Poly(thiourea triethylene glycol) as a multifunctional binder for enhanced performance in lithium-sulfur batteries. <i>Green Energy and Environment</i> , 2022, 7, 1206-1216.	8.7	10
2	Atomically Thin Materials for Next-Generation Rechargeable Batteries. <i>Chemical Reviews</i> , 2022, 122, 957-999.	47.7	87
3	CSST-Net: an arbitrary image style transfer network of coverless steganography. <i>Visual Computer</i> , 2022, 38, 2125-2137.	3.5	8
4	Catalytic materials for lithium-sulfur batteries: mechanisms, design strategies and future perspective. <i>Materials Today</i> , 2022, 52, 364-388.	14.2	78
5	Highly branched amylopectin binder for sulfur cathodes with enhanced performance and longevity. <i>Exploration</i> , 2022, 2, 20210131.	11.0	23
6	Scalable Spray Drying Production of Amorphous V_2O_5 "EGO 2D Heterostructured Xerogels for High-Rate and High-Capacity Aqueous Zinc Ion Batteries. <i>Small</i> , 2022, 18, e2105761.	10.0	24
7	New Findings for the Much-Promised Hematite Photoanodes with Gradient Doping and Overlayer Elaboration. <i>Solar Rrl</i> , 2022, 6, .	5.8	15
8	In Situ Grown Co-Based Interstitial Compounds: Non-3d Metal and Non-Metal Dual Modulation Boosts Alkaline and Acidic Hydrogen Electrocatalysis. <i>Small</i> , 2022, 18, e2105331.	10.0	122
9	$CuCl_2$ -Modified Lithium Metal Anode via Dynamic Protection Mechanisms for Dendrite-Free Long-Life Charging/Discharge Processes. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	28
10	Sustainable "Sweet and Salty" Synthesis of Hierarchical Porous Carbon for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 4991-5001.	5.1	6
11	MoC Quantum Dots@N-Doped Carbon for Low-Cost and Efficient Hydrogen Evolution Reaction: From Electrocatalysis to Photocatalysis. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	51
12	Efficient purification of tetracycline wastewater by activated persulfate with heterogeneous Co-V bimetallic oxides. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 188-197.	9.4	18
13	$CuCl_2$ -Modified Lithium Metal Anode via Dynamic Protection Mechanisms for Dendrite-Free Long-Life Charging/Discharge Processes (<i>Adv. Energy Mater.</i> 15/2022). <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	0
14	Cyclohexanedodecol-Assisted Interfacial Engineering for Robust and High-Performance Zinc Metal Anode. <i>Nano-Micro Letters</i> , 2022, 14, 110.	27.0	42
15	Heterogeneous Ni-MOF/ V_2CT_x "MXene hierarchically-porous nanorods for robust and high energy density hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12225-12234.	10.3	41
16	A focus review on 3D printing of wearable energy storage devices. , 2022, 4, 1242-1261.		23
17	Ultralow-Expansion Lithium Metal Composite Anode via Gradient Framework Design. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	18
18	Band-Structure Engineering of Copper Benzenehexathiol for Reversible Mechanochromism: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11642-11651.	3.1	0

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19	Well-Defined Nanostructures for Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2001537.	19.5	102
20	DFT-Guided Design and Fabrication of Carbon-Nitride-Based Materials for Energy Storage Devices: A Review. <i>Nano-Micro Letters</i> , 2021, 13, 13.	27.0	91
21	Designing Ceramic/Polymer Composite as Highly Ionic Conductive Solid-State Electrolytes. <i>Batteries and Supercaps</i> , 2021, 4, 39-59.	4.7	49
22	Amylopectin from Glutinous Rice as a Sustainable Binder for High-Performance Silicon Anodes. <i>Energy and Environmental Materials</i> , 2021, 4, 263-268.	12.8	24
23	Membrane-based colorimetric flow-injection system for online free chlorine monitoring in drinking water. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128905.	7.8	10
24	Sustainable engineering of TiO ₂ -based advanced oxidation technologies: From photocatalyst to application devices. <i>Journal of Materials Science and Technology</i> , 2021, 78, 202-222.	10.7	60
25	A mechanically robust self-healing binder for silicon anode in lithium ion batteries. <i>Nano Energy</i> , 2021, 81, 105654.	16.0	141
26	Locally Ordered Graphitized Carbon Cathodes for High-Capacity Dual-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6326-6332.	13.8	101
27	Interface Engineering of CoS/CoO@N-Doped Graphene Nanocomposite for High-Performance Rechargeable Zn-Air Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 3.	27.0	95
28	Recent advances in the on-off approaches for on-demand liquid-phase hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18164-18174.	10.3	60
29	Functional lithiophilic polymer modified separator for dendrite-free and pulverization-free lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2021, 52, 262-268.	12.9	41
30	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. <i>Energy and Environmental Science</i> , 2021, 14, 3502-3509.	30.8	45
31	Oligomerized imide and thioimide organic cathode materials <i>via</i> a H-transfer mechanism for high capacity lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18306-18312.	10.3	4
32	Intelligence-assisted predesign for the sustainable recycling of lithium-ion batteries and beyond. <i>Energy and Environmental Science</i> , 2021, 14, 5801-5815.	30.8	59
33	Sulfur doping optimized intermediate energetics of FeCoOOH for enhanced oxygen evolution catalytic activity. <i>Cell Reports Physical Science</i> , 2021, 2, 100331.	5.6	7
34	Locally Ordered Graphitized Carbon Cathodes for High-Capacity Dual-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 6396-6402.	2.0	26
35	Engineering Crystallinity and Oxygen Vacancies of Co(II) Oxide Nanosheets for High Performance and Robust Rechargeable Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101239.	14.9	202
36	Portable wastewater treatment system based on synergistic photocatalytic and persulphate degradation under visible light. <i>Science China Materials</i> , 2021, 64, 1952-1963.	6.3	6

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37	Boosting Electron Transfer with Heterointerface Effect for High-Performance Lithium-Ion Storage. Energy Storage Materials, 2021, 36, 365-375.	18.0	61
38	A Watermarking Scheme for Color Image Using Quaternion Discrete Fourier Transform and Tensor Decomposition. Applied Sciences (Switzerland), 2021, 11, 5006.	2.5	9
39	Boosting reversible lithium storage in two-dimensional C ₃ N ₄ by achieving suitable adsorption energy via Si doping. Carbon, 2021, 176, 480-487.	10.3	21
40	Enhanced electrochemical production and facile modification of graphite oxide for cost-effective sodium ion battery anodes. Carbon, 2021, 177, 71-78.	10.3	34
41	High-efficient CoPt/activated functional carbon catalyst for Li-O ₂ batteries. Nano Energy, 2021, 84, 105877.	16.0	65
42	Sustainable okra gum for silicon anode in lithium-ion batteries. Sustainable Materials and Technologies, 2021, 28, e00283.	3.3	9
43	Robust Pseudocapacitive Sodium Cation Intercalation Induced by Cobalt Vacancies at Atomically Thin Co _{1-x} Se ₂ /Graphene Heterostructure for Sodium-Ion Batteries. Angewandte Chemie, 2021, 133, 18978-18985.	2.0	12
44	Robust Pseudocapacitive Sodium Cation Intercalation Induced by Cobalt Vacancies at Atomically Thin Co _{1-x} Se ₂ /Graphene Heterostructure for Sodium-Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 18830-18837.	13.8	68
45	Consecutive chemical bonds reconstructing surface structure of silicon anode for high-performance lithium-ion battery. Energy Storage Materials, 2021, 39, 354-364.	18.0	91
46	Wood Carbon Based Single-Atom Catalyst for Rechargeable Zn-Air Batteries. ACS Energy Letters, 2021, 6, 3624-3633.	17.4	103
47	Functional additives for solid polymer electrolytes in flexible and high-energy-density solid-state lithium-ion batteries. , 2021, 3, 929-956.		63
48	Cation-vacancy induced Li ⁺ intercalation pseudocapacitance at atomically thin heterointerface for high capacity and high power lithium-ion batteries. Journal of Energy Chemistry, 2021, 62, 281-288.	12.9	14
49	Multifunctional cation-vacancy-rich ZnCo ₂ O ₄ polysulfide-blocking layer for ultrahigh-loading Li-S battery. Nano Energy, 2021, 89, 106331.	16.0	59
50	A hydrophilic poly(methyl vinyl ether-alt-maleic acid) polymer as a green, universal, and dual-functional binder for high-performance silicon anode and sulfur cathode. Journal of Energy Chemistry, 2021, 62, 127-135.	12.9	53
51	Real-time on-site monitoring of soil ammonia emissions using membrane permeation-based sensing probe. Environmental Pollution, 2021, 289, 117850.	7.5	5
52	Theoretical and experimental exploration of tri-metallic organic frameworks (t-MOFs) for efficient electrocatalytic oxygen evolution reaction. Applied Catalysis B: Environmental, 2021, 299, 120665.	20.2	43
53	Sustainable bio-derived materials for addressing critical problems of next-generation high-capacity lithium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 5932-5953.	5.9	9
54	Screen-Shooting Resilient Watermarking Scheme via Learned Invariant Keypoints and QT. Sensors, 2021, 21, 6554.	3.8	15

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55	Tunable Graphene Oxide Nanofiltration Membrane for Effective Dye/Salt Separation and Desalination. ACS Applied Materials & Interfaces, 2021, 13, 55339-55348.	8.0	34
56	Design of a 1D/2D C ₃ N ₄ /rGO composite as an anode material for stable and effective potassium storage. Energy Storage Materials, 2020, 25, 495-501.	18.0	68
57	Designing efficient TiO ₂ -based photoelectrocatalysis systems for chemical engineering and sensing. Chemical Engineering Journal, 2020, 381, 122605.	12.7	81
58	Adsorption energy engineering of nickel oxide hybrid nanosheets for high areal capacity flexible lithium-ion batteries. Energy Storage Materials, 2020, 25, 41-51.	18.0	261
59	Unveiling the Working Mechanism of Graphene Bubble Film/Silicon Composite Anodes in Li-Ion Batteries: From Experiment to Modeling. ACS Applied Energy Materials, 2020, 3, 521-531.	5.1	24
60	Development of cross-linked dextrin as aqueous binders for silicon based anodes. Journal of Power Sources, 2020, 450, 227671.	7.8	47
61	Tailoring the nanostructure and electronic configuration of metal phosphides for efficient electrocatalytic oxygen evolution reactions. Nano Energy, 2020, 69, 104453.	16.0	138
62	Two-Dimensional (2D) Covalent Organic Framework as Efficient Cathode for Binder-free Lithium-ion Battery. ChemSusChem, 2020, 13, 2457-2463.	6.8	159
63	Hydrogenated hematite nanoplates for enhanced photocatalytic and photo-Fenton oxidation of organic compounds. Inorganic Chemistry Communication, 2020, 119, 108040.	3.9	17
64	The Renaissance of Liquid Metal Batteries. Matter, 2020, 3, 1824-1826.	10.0	5
65	Design Strategies of Safe Electrolytes for Preventing Thermal Runaway in Lithium Ion Batteries. Chemistry of Materials, 2020, 32, 9821-9848.	6.7	100
66	Suppressing Li Dendrites via Electrolyte Engineering by Crown Ethers for Lithium Metal Batteries. Nano-Micro Letters, 2020, 12, 158.	27.0	10
67	Rational design of sustainable transition metal-based bifunctional electrocatalysts for oxygen reduction and evolution reactions. Sustainable Materials and Technologies, 2020, 25, e00204.	3.3	17
68	Enhanced metallicity boosts hydrogen evolution capability of dual-bimetallic Ni-Fe nitride nanoparticles. Materials Today Physics, 2020, 15, 100267.	6.0	67
69	Highly Conductive Two-Dimensional Metal-Organic Frameworks for Resilient Lithium Storage with Superb Rate Capability. ACS Nano, 2020, 14, 12016-12026.	14.6	207
70	Temporal responses of 4-chlorophenol on the performance and functional genes expression of activated sludge in sequencing batch bioreactor. Water and Environment Journal, 2020, 34, 865-872.	2.2	0
71	1D/2D C ₃ N ₄ /Graphene Composite as a Preferred Anode Material for Lithium Ion Batteries: Importance of Heterostructure Design via DFT Computation. ACS Applied Materials & Interfaces, 2020, 12, 25875-25883.	8.0	40
72	Atomically thin mesoporous NiCo ₂ O ₄ grown on holey graphene for enhanced pseudocapacitive energy storage. Journal of Materials Chemistry A, 2020, 8, 13443-13451.	10.3	25

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73	Interfacial Engineering with Liquid Metal for Si-Based Hybrid Electrodes in Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 5147-5152.	5.1	20
74	Constructing Fe-MOF-Derived Z-Scheme Photocatalysts with Enhanced Charge Transport: Nanointerface and Carbon Sheath Synergistic Effect. ACS Applied Materials & Interfaces, 2020, 12, 25494-25502.	8.0	217
75	Hierarchical Co ₃ O ₄ @N-Doped Carbon Composite as an Advanced Anode Material for Ultrastable Potassium Storage. ACS Nano, 2020, 14, 5027-5035.	14.6	121
76	Honeycomb-like carbon materials derived from coffee extract via a "salty" thermal treatment for high-performance Li ₂ batteries. , 2020, 2, 265-275.		24
77	Homomorphic Encryption-Based Robust Reversible Watermarking for 3D Model. Symmetry, 2020, 12, 347.	2.2	8
78	Transition Metal (Fe, Co, Mn) Boosting the Lithium Storage of the Multishelled NiO Anode. Energy Technology, 2020, 8, 2000008.	3.8	7
79	Ni/SiO ₂ /Graphene-modified separator as a multifunctional polysulfide barrier for advanced lithium-sulfur batteries. Nano Energy, 2020, 76, 105033.	16.0	90
80	Designing robust anatase-branch@hydrogenated-rutile-nanorod TiO ₂ as accurate and sensitive photoelectrochemical sensors. Sensors and Actuators B: Chemical, 2020, 321, 128504.	7.8	21
81	Multifunctional Cellulose Nanocrystals as a High-Efficient Polysulfide Stopper for Practical Li-S Batteries. ACS Applied Materials & Interfaces, 2020, 12, 17592-17601.	8.0	22
82	Defect Engineering in Titanium-Based Oxides for Electrochemical Energy Storage Devices. Electrochemical Energy Reviews, 2020, 3, 286-343.	25.5	52
83	FeNi intermetallic compound nanoparticles wrapped with N-doped graphitized carbon: a novel cocatalyst for boosting photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 3481-3490.	10.3	45
84	Does the Nitrification-Suppressed BOD ₅ Test Make Sense?. Environmental Science & Technology, 2020, 54, 5323-5324.	10.0	1
85	Smart Removal of Dye Pollutants via Dark Adsorption and Light Desorption at Recyclable Bi ₂ O ₂ CO ₃ Nanosheets Interface. ACS Applied Materials & Interfaces, 2020, 12, 20490-20499.	8.0	23
86	Stable Seamless Interfaces and Rapid Ionic Conductivity of Ca ²⁺ /CeO ₂ /LiTFSI/PEO Composite Electrolyte for High-Rate and High-Voltage All-Solid-State Battery. Advanced Energy Materials, 2020, 10, 2000049.	19.5	252
87	A universal cross-linking binding polymer composite for ultrahigh-loading Li-ion battery electrodes. Journal of Materials Chemistry A, 2020, 8, 9693-9700.	10.3	29
88	3rd International Symposium on Renewable Energy Technologies. Energy Technology, 2019, 7, 1900605.	3.8	0
89	Recent Progress of Direct Ink Writing of Electronic Components for Advanced Wearable Devices. ACS Applied Electronic Materials, 2019, 1, 1718-1734.	4.3	108
90	Electrochromic properties of Li ₄ Ti ₅ O ₁₂ : From visible to infrared spectrum. Applied Physics Letters, 2019, 115, .	3.3	30

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91	A Video Deblurring Algorithm Based on Motion Vector and An Encoder-Decoder Network. IEEE Access, 2019, 7, 86778-86788.	4.2	5
92	CO ₂ Electroreduction: Intermediates Adsorption Engineering of CO ₂ Electroreduction Reaction in Highly Selective Heterostructure Cu-Based Electrocatalysts for CO Production (Adv. Energy Mater. 27/2019). Advanced Energy Materials, 2019, 9, 1970107.	19.5	5
93	A Hollow-Shell Structured VO ₅ Electrode-Based Symmetric Full Li-Ion Battery with Highest Capacity. Advanced Energy Materials, 2019, 9, 1900909.	19.5	51
94	Surface functionalized 3D carbon fiber boosts the lithium storage behaviour of transition metal oxide nanowires via strong electronic interaction and tunable adsorption energy. Nanoscale Horizons, 2019, 4, 1402-1410.	8.0	19
95	An Image Style Transfer Network Using Multilevel Noise Encoding and Its Application in Coverless Steganography. Symmetry, 2019, 11, 1152.	2.2	6
96	Heterojunction Architecture of N-Doped WO ₃ Nanobundles with Ce ₂ S ₃ Nanodots Hybridized on a Carbon Textile Enables a Highly Efficient Flexible Photocatalyst. Advanced Functional Materials, 2019, 29, 1903490.	14.9	223
97	An ultrathin carbon layer activated CeO ₂ heterojunction nanorods for photocatalytic degradation of organic pollutants. Applied Catalysis B: Environmental, 2019, 259, 118085.	20.2	177
98	Conductive carbon nanofiber interpenetrated graphene architecture for ultra-stable sodium ion battery. Nature Communications, 2019, 10, 3917.	12.8	250
99	Grain refining mechanisms: Initial levelling stage during nucleation for high-stability lithium anodes. Nano Energy, 2019, 66, 104128.	16.0	55
100	Membrane-based conductivity probe for real-time in-situ monitoring rice field ammonia volatilization. Sensors and Actuators B: Chemical, 2019, 286, 62-68.	7.8	12
101	Recent progress in metal-organic polymers as promising electrodes for lithium/sodium rechargeable batteries. Journal of Materials Chemistry A, 2019, 7, 4259-4290.	10.3	249
102	Trifunctional Electrode Additive for High Active Material Content and Volumetric Lithium-Ion Electrode Densities. Advanced Energy Materials, 2019, 9, 1803390.	19.5	32
103	Lithium-Ion Batteries: Interweaving 3D Network Binder for High-Areal-Capacity Si Anode through Combined Hard and Soft Polymers (Adv. Energy Mater. 3/2019). Advanced Energy Materials, 2019, 9, 1970009.	19.5	2
104	Photocatalytic H ₂ generation from aqueous ammonia solution using TiO ₂ nanowires-intercalated reduced graphene oxide composite membrane under low power UV light. Emergent Materials, 2019, 2, 303-311.	5.7	30
105	Online Conductimetric Flow-Through Analyzer Based on Membrane Diffusion for Ammonia Control in Wastewater Treatment Process. ACS Sensors, 2019, 4, 1881-1888.	7.8	13
106	Intermediates Adsorption Engineering of CO ₂ Electroreduction Reaction in Highly Selective Heterostructure Cu-Based Electrocatalysts for CO Production. Advanced Energy Materials, 2019, 9, 1901396.	19.5	92
107	A Conjugated Copolymer of N-Phenyl-phenylenediamine and Pyrene as Promising Cathode for Rechargeable Lithium-Ion Batteries. Chemistry - an Asian Journal, 2019, 14, 2210-2214.	3.3	18
108	Engineering of Oxygen Vacancy and Electric Field Effect by Encapsulating Lithium Titanate in Reduced Graphene Oxide for Superior Lithium Ion Storage. Small Methods, 2019, 3, 1900185.	8.6	64

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109	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8824-8828.	13.8	242
110	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 8916-8920.	2.0	18
111	Sustainability-inspired cell design for a fully recyclable sodium ion battery. <i>Nature Communications</i> , 2019, 10, 1965.	12.8	77
112	Room temperature production of graphene oxide with thermally labile oxygen functional groups for improved lithium ion battery fabrication and performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9646-9655.	10.3	27
113	Housing Sulfur in Polymer Composite Frameworks for Li-S Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 17.	27.0	102
114	Uniform Distribution of Alloying/Dealloying Stress for High Structural Stability of an Al Anode in High-Areal-Density Lithium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1900826.	21.0	75
115	Nanoporous SiO coated amorphous silicon anode material with robust mechanical behavior for high-performance rechargeable Li-ion batteries. <i>Nano Materials Science</i> , 2019, 1, 70-76.	8.8	26
116	One-pot solvothermal synthesis of 1D plasmonic TiO ₂ @Ag nanorods with enhanced visible-light photocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10585-10592.	7.1	17
117	Polypyrrole-encapsulated amorphous Bi ₂ S ₃ hollow sphere for long life sodium ion batteries and lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11370-11378.	10.3	99
118	Glucose-Induced Formation of Oxygen Vacancy and Bi-Metal Comodified Bi ₅ O ₇ Br Nanotubes for Efficient Performance Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5784-5791.	6.7	72
119	Fe ₃ C/Fe ₂ O ₃ heterostructure embedded in N-doped graphene as a bifunctional catalyst for quasi-solid-state zinc-air batteries. <i>Carbon</i> , 2019, 146, 763-771.	10.3	76
120	Biomass-Derived Poly(Furfuryl Alcohol)-Protected Aluminum Anode for Lithium-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1800995.	3.8	13
121	Smart data driven traffic sign detection method based on adaptive color threshold and shape symmetry. <i>Future Generation Computer Systems</i> , 2019, 94, 381-391.	7.5	30
122	Interweaving 3D Network Binder for High-Areal-Capacity Si Anode through Combined Hard and Soft Polymers. <i>Advanced Energy Materials</i> , 2019, 9, 1802645.	19.5	181
123	Degradation of nitrobenzene by synchronistic oxidation and reduction in an internal circulation microelectrolysis reactor. <i>Journal of Hazardous Materials</i> , 2019, 365, 448-456.	12.4	45
124	ZnO/CdS/PbS nanotube arrays with multi-heterojunctions for efficient visible-light-driven photoelectrochemical hydrogen evolution. <i>Chemical Engineering Journal</i> , 2019, 362, 658-666.	12.7	76
125	Polar and conductive iron carbide@N-doped porous carbon nanosheets as a sulfur host for high performance lithium sulfur batteries. <i>Chemical Engineering Journal</i> , 2019, 358, 962-968.	12.7	91
126	Manipulation of Edge-Site Fe ₂ Moiety on Holey Fe, N Codoped Graphene to Promote the Cycle Stability and Rate Capacity of Li-S Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1807485.	14.9	109

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127	AMBTC based high payload data hiding with modulo-2 operation and Hamming code. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 7934-7949.	1.9	5
128	A video watermark algorithm based on tensor decomposition. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 3435-3449.	1.9	3
129	Efficient and Robust Cu/TiO ₂ Nanorod Photocatalysts for Simultaneous Removal of Cr(VI) and Methylene Blue under Solar Light. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 706-713.	1.4	14
130	Î±-Fe ₂ O ₃ nanoplates with superior electrochemical performance for lithium-ion batteries. <i>Green Energy and Environment</i> , 2018, 3, 156-162.	8.7	34
131	A robust network binder with dual functions of Cu ²⁺ ions as ionic crosslinking and chemical binding agents for highly stable Liâ€S batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7382-7388.	10.3	81
132	High-performance aqueous symmetric sodium-ion battery using NASICON-structured Na ₂ VTi(PO ₄) ₃ . <i>Nano Research</i> , 2018, 11, 490-498.	10.4	92
133	A Novel Aesthetic QR Code Algorithm Based on Hybrid Basis Vector Matrices. <i>Symmetry</i> , 2018, 10, 543.	2.2	2
134	Cationic Surfactant-Based Electrolyte Additives for Uniform Lithium Deposition via Lithiophobic Repulsion Mechanisms. <i>Journal of the American Chemical Society</i> , 2018, 140, 17515-17521.	13.7	211
135	Carbon Nitride Nanofibres with Exceptional Lithium Storage Capacity: From Theoretical Prediction to Experimental Implementation. <i>Advanced Functional Materials</i> , 2018, 28, 1803972.	14.9	77
136	A Novel Framework of Robust Video Watermarking Based on Statistical Model. <i>Lecture Notes in Computer Science</i> , 2018, , 160-172.	1.3	5
137	Multiple Schemes for Bike-Share Service Authentication Using QR Code and Visual Cryptography. <i>Lecture Notes in Computer Science</i> , 2018, , 629-640.	1.3	0
138	A high-volumetric-capacity and high-areal-capacity ZnCo ₂ O ₄ anode for Li-ion batteries enabled by a robust biopolymer binder. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19455-19462.	10.3	27
139	No-Reference Image Blur Assessment Based on Response Function of Singular Values. <i>Symmetry</i> , 2018, 10, 304.	2.2	13
140	Cerium-based hybrid nanorods for synergetic photo-thermocatalytic degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24740-24747.	10.3	164
141	Visible-light-driven photoelectrochemical determination of Cu ²⁺ based on CdS sensitized hydrogenated TiO ₂ nanorod arrays. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 270-276.	7.8	43
142	Facile synthesis of interlocking g-C ₃ N ₄ /CdS photoanode for stable photoelectrochemical hydrogen production. <i>Electrochimica Acta</i> , 2018, 279, 74-83.	5.2	62
143	Utilizing Room Temperature Liquid Metals for Mechanically Robust Silicon Anodes in Lithiumâ€Ion Batteries. <i>Batteries and Supercaps</i> , 2018, 1, 122-128.	4.7	22
144	One-Pot Hydrothermal Synthesis of SnO ₂ /BiOBr Heterojunction Photocatalysts for the Efficient Degradation of Organic Pollutants Under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28686-28694.	8.0	137

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145	Detection of Bird's Nest in High Power Lines in the Vicinity of Remote Campus Based on Combination Features and Cascade Classifier. <i>IEEE Access</i> , 2018, 6, 39063-39071.	4.2	24
146	Hydrogenated CdS nanorods arrays/FTO film: A highly stable photocatalyst for photocatalytic H ₂ production. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17696-17707.	7.1	16
147	Exploring Chemical, Mechanical, and Electrical Functionalities of Binders for Advanced Energy-Storage Devices. <i>Chemical Reviews</i> , 2018, 118, 8936-8982.	47.7	575
148	Sulfur Hosts against the Shuttle Effect. <i>Small Methods</i> , 2018, 2, 1700345.	8.6	132
149	Deformation and failure mechanisms of electrochemically lithiated silicon thin films. <i>RSC Advances</i> , 2017, 7, 13487-13497.	3.6	41
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