

Da-wei Wang

List of Publications by Year in descending order

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224
papers

30,915
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9400

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all docs

244
docs citations

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times ranked

26651
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterostructured WO _x /W ₂ C Nanocatalyst for Li ₂ S Oxidation in Lithium–Sulfur Batteries with High Areal Capacity. <i>Small</i> , 2024, 20, .	10.9	2
2	Ionic Conductive Polymer Stabilized Cathode–Electrolyte Interface for Quasi-Solid-State Dual-Ion Battery. <i>ACS Energy Letters</i> , 2024, 9, 1082-1089.	17.8	2
3	Mechanically Improving Ion Diffusion in Layered Conducting Polymers for Compact Energy Storage. <i>ACS Energy Letters</i> , 2024, 9, 2564-2571.	17.8	0
4	Wafer-scale quasi-layered tungstate-doped polypyrrole film with high volumetric capacitance. <i>Nano Research</i> , 2023, 16, 4895-4900.	10.3	4
5	Low-potential solid-solid interfacial charging on layered polyaniline anode for high voltage pseudocapacitive intercalation Li-ion supercapacitors. <i>Nano Energy</i> , 2023, 105, 108010.	16.0	13
6	Nanoarchitectonics on Z-scheme and Mott–Schottky heterostructure for photocatalytic water oxidation <i>via</i> dual-cascade charge-transfer pathways. <i>Nanoscale Advances</i> , 2023, 5, 3386-3395.	4.5	4
7	A ternary system exploiting the full solar spectrum to generate renewable hydrogen from a waste biomass feedstock. <i>Energy and Environmental Science</i> , 2023, 16, 3497-3513.	31.3	3
8	Atomic insights of electronic states engineering of GaN nanowires by Cu cation substitution for highly efficient lithium ion battery. <i>Journal of Energy Chemistry</i> , 2022, 67, 46-54.	13.1	21
9	Redox-mediated proton transport of two-dimensional polyaniline-based nanochannels for fast capacitive performance. <i>Battery Energy</i> , 2022, 1, .	6.2	8
10	Sulfur–Carbon Composite Cathodes. <i>Modern Aspects of Electrochemistry</i> , 2022, , 19-82.	0.0	2
11	Synergetic Nanoarchitectonics of Defects and Cocatalysts in Oxygen-Vacancy-Rich BiVO ₄ /reduced graphene oxide Mott–Schottky Heterostructures for Photocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12180-12192.	8.1	11
12	Rigid metal/liquid metal nanoparticles: Synthesis and application for locally ablative therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 42, 102535.	3.4	9
13	Hydrogen-bonded quasi-layered polypyrrole-tungstate complex with exceptional electrochemical capacitance over 25000 cycles. <i>Composites Part B: Engineering</i> , 2022, 238, 109910.	11.9	5
14	Design Rationale and Device Configuration of Lithium-Ion Capacitors. <i>Advanced Energy Materials</i> , 2022, 12, .	21.5	49
15	Numerical Simulation on Thermal Response of Laser-Irradiated Biological Tissues Embedded with Liquid Metal Nanoparticles. <i>Journal of Thermal Science</i> , 2022, 31, 1220-1235.	1.9	7
16	Introducing Stacking Faults into Three-Dimensional Branched Nickel Nanoparticles for Improved Catalytic Activity. <i>Journal of the American Chemical Society</i> , 2022, 144, 11094-11098.	14.1	30
17	A holistic green system coupling hydrogen production with wastewater valorisation. <i>EcoMat</i> , 2022, 4, .	11.7	3
18	Integrating SEI into Layered Conductive Polymer Coatings for Ultrastable Silicon Anodes. <i>Advanced Materials</i> , 2022, 34, .	23.6	110

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19	Rationalized design of hyperbranched trans-scale graphene arrays for enduring high-energy lithium metal batteries. <i>Science Advances</i> , 2022, 8, .	10.7	24
20	2D polyaniline with exchangeable interlayer fluid for fast and stable volumetric dual ion storage. <i>Journal of Energy Chemistry</i> , 2021, 54, 587-594.	13.1	11
21	Graphene oxide: An emerging electromaterial for energy storage and conversion. <i>Journal of Energy Chemistry</i> , 2021, 55, 323-344.	13.1	161
22	Combined DFT and experiment: Stabilizing the electrochemical interfaces via boron Lewis acids. <i>Journal of Energy Chemistry</i> , 2021, 59, 100-107.	13.1	17
23	A vertical graphene enhanced Zn-MnO ₂ flexible battery towards wearable electronic devices. <i>Journal of Materials Chemistry A</i> , 2021, 9, 575-584.	10.3	52
24	Chemical formation and source apportionment of PM2.5 at an urban site at the southern foot of the Taihang mountains. <i>Journal of Environmental Sciences</i> , 2021, 103, 20-32.	6.2	12
25	High yield electrooxidation of 5-hydroxymethyl furfural catalysed by unsaturated metal sites in CoFe Prussian Blue Analogue films. <i>Green Chemistry</i> , 2021, 23, 4333-4337.	9.1	25
26	Carbon-supported layered double hydroxide nanodots for efficient oxygen evolution: Active site identification and activity enhancement. <i>Nano Research</i> , 2021, 14, 3329-3336.	10.3	14
27	Mini/Micro/Nano Scale Liquid Metal Motors. <i>Micromachines</i> , 2021, 12, 280.	2.9	19
28	Demystifying the catalysis in lithium-sulfur batteries: Characterization methods and techniques. <i>SusMat</i> , 2021, 1, 51-65.	15.6	75
29	In-situ synthesized liquid metal microgels. , 2021, , .		1
30	An in-situ solidification strategy to block polysulfides in Lithium-Sulfur batteries. <i>Energy Storage Materials</i> , 2021, 37, 224-232.	18.0	63
31	Ligand-Promoted Cooperative Electrochemical Oxidation of Bio-Alcohol on Distorted Cobalt Hydroxides for Bio-Hydrogen Extraction. <i>ChemSusChem</i> , 2021, 14, 2612-2620.	7.2	7
32	Oxygen Nucleation of MoS ₂ Nanosheet Thin Film Supercapacitor Electrodes for Enhanced Electrochemical Energy Storage. <i>ChemSusChem</i> , 2021, 14, 2882-2891.	7.2	3
33	Energy Storing Plant Stem with Cytocompatibility for Supercapacitor Electrode. <i>Advanced Functional Materials</i> , 2021, 31, 2106787.	16.0	6
34	Nanofluidic voidless electrode for electrochemical capacitance enhancement in gel electrolyte. <i>Nature Communications</i> , 2021, 12, 5515.	12.8	21
35	High-performance hierarchical MnO ₂ /CNT electrode for multifunctional supercapacitors. <i>Carbon</i> , 2021, 184, 504-513.	10.5	64
36	High voltage aqueous Zn/LiCoO ₂ hybrid battery under mildly alkaline conditions. <i>Energy Storage Materials</i> , 2021, 43, 158-164.	18.0	15

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37	High volumetric capacity nanoparticle electrodes enabled by nanofluidic fillers. <i>Energy Storage Materials</i> , 2021, 43, 202-211.	18.0	9
38	High-performance lithium-sulfur batteries enabled by regulating Li_2S deposition. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21385-21398.	2.8	18
39	Magnetic liquid metal loaded nano-in-micro spheres as fully flexible theranostic agents for SMART embolization. <i>Nanoscale</i> , 2021, 13, 8817-8836.	5.6	47
40	Precise Regulation of Ga-Based Liquid Metal Oxidation. <i>Accounts of Materials Research</i> , 2021, 2, 1093-1103.	12.7	68
41	Binary graphene-based cathode structure for high-performance lithium-sulfur batteries. <i>JPhys Energy</i> , 2020, 2, 015003.	5.3	11
42	Covalent fixing of sulfur in metal-sulfur batteries. <i>Energy and Environmental Science</i> , 2020, 13, 432-471.	31.3	137
43	<i>In Situ</i> Sulfurized Carbon-Confined Cobalt for Long-Life Mg/S Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 2516-2525.	5.2	27
44	Three-dimensional aerogel based on in-situ growth of 1T-MoS ₂ on functionalized hierarchical porous carbon/reduced graphene oxide for energy storage. <i>Applied Surface Science</i> , 2020, 506, 144811.	6.2	20
45	Plastic three-dimensional nanocarbon-polyacrylic acid sponges with high volumetric capacitance for Li-ion capacitor. <i>Sustainable Materials and Technologies</i> , 2020, 26, e00223.	3.4	2
46	Tungsten Oxide/Carbide Surface Heterojunction Catalyst with High Hydrogen Evolution Activity. <i>ACS Energy Letters</i> , 2020, 5, 3560-3568.	17.8	79
47	Biofriendly micro/nanomotors operating on biocatalysis: from natural to biological environments. <i>Biophysics Reports</i> , 2020, 6, 179-192.	0.8	9
48	Dynamic single-site polysulfide immobilization in long-range disorder Cu-MOFs. <i>Chemical Communications</i> , 2020, 56, 10074-10077.	4.1	1
49	Transport Patterns, Size Distributions, and Depolarization Characteristics of Dust Particles in East Asia in Spring 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031752.	3.3	16
50	High-performance graphene/disodium terephthalate electrodes with ether electrolyte for exceptional cooperative sodiation/desodiation. <i>Nano Energy</i> , 2020, 77, 105203.	16.0	17
51	Recent advancements in $\text{g-C}_3\text{N}_4$ -based photocatalysts for photocatalytic CO_2 reduction: a mini review. <i>RSC Advances</i> , 2020, 10, 29408-29418.	3.7	83
52	Dendritic Ag/Pd Alloy Nanostructure Arrays for Electrochemical CO_2 Reduction. <i>ChemElectroChem</i> , 2020, 7, 2608-2613.	3.4	13
53	Reliable liquid electrolytes for lithium metal batteries. <i>Energy Storage Materials</i> , 2020, 30, 113-129.	18.0	104
54	Liquid Metal Hybrid Platform-Mediated Ice-Free Dual Noninvasive Conformable Melanoma Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27984-27993.	8.1	58

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55	Influence of the morphological change in natural Asian dust during transport: A modeling study for a typical dust event over northern China. <i>Science of the Total Environment</i> , 2020, 739, 139791.	8.1	9
56	Enhanced visible/near-infrared light harvesting and superior charge separation via OD/2D all-carbon hybrid architecture for photocatalytic oxygen evolution. <i>Carbon</i> , 2020, 167, 724-735.	10.5	27
57	<i>In situ</i> modification of BiVO ₄ nanosheets on graphene for boosting photocatalytic water oxidation. <i>Nanoscale</i> , 2020, 12, 14853-14862.	5.6	23
58	Assembly of 1Tâ€²-MoS ₂ based fibers for flexible energy storage. <i>Nanoscale</i> , 2020, 12, 6562-6570.	5.6	12
59	Fabrication strategies for high-rate TiO ₂ nanotube anodes for Li ion energy storage. <i>Journal of Power Sources</i> , 2020, 463, 228205.	7.9	16
60	Faceted Branched Nickel Nanoparticles with Tunable Branch Length for High Activity Electrocatalytic Oxidation of Biomass. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15487-15491.	14.2	92
61	Ternary MnO/CoMn alloy@N-doped graphitic composites derived from a bi-metallic pigment as bi-functional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20649-20657.	10.3	35
62	The construction of porous chitosan microspheres with high specific surface area by using agarose as the pore-forming agent and further functionalized application in bioseparation. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5510-5519.	5.8	26
63	Refilling Nitrogen to Oxygen Vacancies in Ultrafine Tungsten Oxide Clusters for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1902148.	21.5	51
64	Micro-Macroscopic Coupled Electrode Architecture for High-Energy-Density Lithiumâ€“Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 7393-7402.	5.2	6
65	Highly cross-linked carbon sponge enables room-temperature long-life semi-liquid Na/polysulfide battery. <i>Materials Today Energy</i> , 2019, 14, 100342.	5.0	12
66	Unlocking high-potential non-persistent radical chemistry for semi-aqueous redox batteries. <i>Chemical Communications</i> , 2019, 55, 2154-2157.	4.1	18
67	A Desolvated Solidâ€“Solid Interface for a Highâ€“Capacitance Electric Double Layer. <i>Advanced Energy Materials</i> , 2019, 9, 1803715.	21.5	22
68	N,P co-coordinated Fe species embedded in carbon hollow spheres for oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14732-14742.	10.3	86
69	Hydrophilic tannic acid-modified WS ₂ nanosheets for enhanced polysulfide conversion in aqueous media. <i>JPhys Energy</i> , 2019, 1, 015005.	5.3	2
70	Quantifying the Volumetric Performance Metrics of Supercapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1900079.	21.5	95
71	Improving new particle formation simulation by coupling a volatility-basis set (VBS) organic aerosol module in NAQPMS+APM. <i>Atmospheric Environment</i> , 2019, 204, 1-11.	4.1	32
72	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pHâ€“Speed Regulation at Ultralow Physiological H ₂ O ₂ Concentration. <i>Advanced Functional Materials</i> , 2019, 29, 1808900.	16.0	72

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73	Mitigating self-discharge of carbon-based electrochemical capacitors by modifying their electric-double layer to maximize energy efficiency. <i>Journal of Energy Chemistry</i> , 2019, 38, 214-218.	13.1	32
74	Versatile electrocatalytic processes realized by Ni, Co and Fe alloyed core coordinated carbon shells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12154-12165.	10.3	37
75	Graphene-Based Planar Microsupercapacitors: Recent Advances and Future Challenges. <i>Advanced Materials Technologies</i> , 2019, 4, 1800200.	6.1	60
76	Spherical Murray-Type Assembly of Co-N-C Nanoparticles as a High-Performance Trifunctional Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9925-9933.	8.1	50
77	Superior removal of Hg (II) ions from wastewater using hierarchically porous, functionalized carbon. <i>Journal of Hazardous Materials</i> , 2019, 371, 33-41.	12.4	52
78	High electrochemical cycling performance through accurately inheriting hierarchical porous structure from bagasse. <i>Journal of Energy Storage</i> , 2019, 22, 60-67.	8.2	14
79	Evolution of the electrochemical interface in sodium ion batteries with ether electrolytes. <i>Nature Communications</i> , 2019, 10, 725.	12.8	317
80	Carbon-Based Metal-Free Catalysts for Key Reactions Involved in Energy Conversion and Storage. <i>Advanced Materials</i> , 2019, 31, e1801526.	23.6	289
81	Functional Electrocatalysts Derived from Prussian Blue and its Analogues for Metal-Air Batteries: Progress and Prospects. <i>Batteries and Supercaps</i> , 2019, 2, 290-310.	4.9	41
82	Oxygen Electrocatalysis at Mn ^{III} -O _x /C Hybrid Heterojunction: An Electronic Synergy or Cooperative Catalysis?. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 706-713.	8.1	8
83	High-Performance Microsupercapacitors Based on Bioinspired Graphene Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10157-10164.	8.1	37
84	A Li-ion sulfur full cell with ambient resistant Al-Li alloy anode. <i>Energy Storage Materials</i> , 2018, 15, 209-217.	18.0	48
85	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1702395.	21.5	80
86	A gradient bi-functional graphene-based modified electrode for vanadium redox flow batteries. <i>Energy Storage Materials</i> , 2018, 13, 66-71.	18.0	93
87	Core/Shell NiFe Nanoalloy with a Discrete N-doped Graphitic Carbon Cover for Enhanced Water Oxidation. <i>ChemElectroChem</i> , 2018, 5, 732-736.	3.4	28
88	A Rechargeable Quasi-symmetrical MoS ₂ Battery. <i>Joule</i> , 2018, 2, 1278-1286.	24.0	36
89	Suitability of representative electrochemical energy storage technologies for ramp-rate control of photovoltaic power. <i>Journal of Power Sources</i> , 2018, 384, 396-407.	7.9	25
90	Dense Graphene Monolith for High Volumetric Energy Density Li-S Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703438.	21.5	99

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91	Layered conductive polymer-inorganic anion network for high-performance ultra-loading capacitive electrodes. <i>Energy Storage Materials</i> , 2018, 14, 90-99.	18.0	24
92	Tailoring magnesium based materials for hydrogen storage through synthesis: Current state of the art. <i>Energy Storage Materials</i> , 2018, 10, 168-198.	18.0	323
93	Soft-graphene oxide-organopolysulfide nanocomposites for superior pseudocapacitive lithium storage. <i>Chinese Chemical Letters</i> , 2018, 29, 603-605.	8.9	4
94	Bimetal-organic frameworks for functionality optimization: MnFe-MOF-74 as a stable and efficient catalyst for the epoxidation of alkenes with H_2O_2 . <i>Nanoscale</i> , 2018, 10, 1591-1597.	5.6	75
95	Ultrahigh rate sodium ion storage with nitrogen-doped expanded graphite oxide in ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1582-1589.	10.3	65
96	Benchmarking the Oxygen Reduction Electroactivity of First-Row Transition-Metal Oxide Clusters on Carbon Nanotubes. <i>ChemElectroChem</i> , 2018, 5, 1862-1867.	3.4	10
97	A highly efficient flocculant for graphene oxide recycling and its applications. <i>Nanotechnology</i> , 2018, 29, 015401.	2.6	3
98	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. <i>Energy Storage Materials</i> , 2018, 12, 30-36.	18.0	31
99	Digital to analog resistive switching transition induced by graphene buffer layer in strontium titanate based devices. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 767-774.	9.5	44
100	Polysulfide immobilization and conversion on a conductive polar MoC@MoO _x material for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 10, 56-61.	18.0	160
101	Evidence for Fast Lithium-Ion Diffusion and Charge-Transfer Reactions in Amorphous TiO _x Nanotubes: Insights for High-Rate Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42513-42523.	8.1	30
102	Future Energy Technology: Enabling New Science for a Sustainable Future. <i>ChemPlusChem</i> , 2018, 83, 890-892.	3.0	4
103	Hybrid Solid Polymer Electrolytes with Two-Dimensional Inorganic Nanofillers. <i>Chemistry - A European Journal</i> , 2018, 24, 18180-18203.	3.8	46
104	A 2D Conductive Organic-Inorganic Hybrid with Extraordinary Volumetric Capacitance at Minimal Swelling. <i>Advanced Materials</i> , 2018, 30, e1800400.	23.6	38
105	Ethers Illuminate Sodium-Based Battery Chemistry: Uniqueness, Surprise, and Challenges. <i>Advanced Energy Materials</i> , 2018, 8, 1801361.	21.5	164
106	Safe and high-rate supercapacitors based on an acetonitrile/water in salt-hybrid electrolyte. <i>Energy and Environmental Science</i> , 2018, 11, 3212-3219.	31.3	324
107	Simulation on different response characteristics of aerosol particle number concentration and mass concentration to emission changes over mainland China. <i>Science of the Total Environment</i> , 2018, 643, 692-703.	8.1	28
108	Nanosized Zinc-Mediated Self-Gelation of Graphene Oxide under Ambient Conditions. <i>ChemPlusChem</i> , 2018, 83, 947-955.	3.0	1

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109	Towards a reliable Li-metal-free LiNO ₃ -free Li-ion polysulphide full cell <i>via</i> parallel interface engineering. Energy and Environmental Science, 2018, 11, 2509-2520.	31.3	24
110	Functional Carbons Remedy the Shuttling of Polysulfides in Lithium-Sulfur Batteries: Confining, Trapping, Blocking, and Breaking up. Advanced Functional Materials, 2018, 28, 1800508.	16.0	168
111	Solar Redox Flow Batteries: Mechanism, Design, and Measurement. Advanced Sustainable Systems, 2018, 2, 1800031.	5.5	31
112	Carboxymethyl cellulose binders enable high-rate capability of sulfurized polyacrylonitrile cathodes for Li-S batteries. Journal of Materials Chemistry A, 2017, 5, 5460-5465.	10.3	64
113	Light, Catalyst, Activation: Boosting Catalytic Oxygen Activation Using a Light Pretreatment Approach. ACS Catalysis, 2017, 7, 3644-3653.	11.3	20
114	Modification Based on MoO ₃ as Electrocatalysts for High Power Density Vanadium Redox Flow Batteries. ChemElectroChem, 2017, 4, 1836-1839.	3.4	36
115	More Reliable Lithium-Sulfur Batteries: Status, Solutions and Prospects. Advanced Materials, 2017, 29, 1606823.	23.6	1,481
116	Functions in cooperation for enhanced oxygen reduction reaction: the independent roles of oxygen and nitrogen sites in metal-free nanocarbon and their functional synergy. Journal of Materials Chemistry A, 2017, 5, 3239-3248.	10.3	37
117	Monolithic Integration of Anodic Molybdenum Oxide Pseudocapacitive Electrodes on Screen-Printed Silicon Solar Cells for Hybrid Energy Harvesting-Storage Systems. Advanced Energy Materials, 2017, 7, 1602325.	21.5	14
118	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. Energy and Environmental Science, 2017, 10, 370-376.	31.3	411
119	Explaining the spatiotemporal variation of fine particle number concentrations over Beijing and surrounding areas in an air quality model with aerosol microphysics. Environmental Pollution, 2017, 231, 1302-1313.	7.6	15
120	Conceptual and empirical advances in analysing policy mixes for energy transitions. Energy Research and Social Science, 2017, 33, 1-10.	6.5	208
121	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. Nano Energy, 2017, 41, 233-242.	16.0	44
122	Nitrogen Doped Carbon Nanosheets Coupled Nickel-Carbon Pyramid Arrays Toward Efficient Evolution of Hydrogen. Advanced Sustainable Systems, 2017, 1, 1700032.	5.5	12
123	Hydrotalcite-wrapped Co-B alloy with enhanced oxygen evolution activity. Chinese Journal of Catalysis, 2017, 38, 1021-1027.	14.2	11
124	Energy future. Energy Storage Materials, 2017, 9, 140.	18.0	0
125	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. Advanced Energy Materials, 2017, 7, 1700545.	21.5	38
126	Universal Generating Function Based Probabilistic Production Simulation Approach Considering Wind Speed Correlation. Energies, 2017, 10, 1786.	3.2	9

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127	Integration of Electrochemical Capacitors on Silicon Photovoltaic Modules for Rapid-Response Power Buffering. , 2017, , .		9
128	An Aqueous Metal-Ion Capacitor with Oxidized Carbon Nanotubes and Metallic Zinc Electrodes. <i>Frontiers in Energy Research</i> , 2016, 4, .	2.3	83
129	Membrane Permeability Rates of Vanadium Ions and Their Effects on Temperature Variation in Vanadium Redox Batteries. <i>Energies</i> , 2016, 9, 1058.	3.2	50
130	A comparative study on layered cobalt hydroxides in water oxidation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 415-423.	1.5	11
131	An integrated nanocarbonâ€“cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016, 61, 368-377.	10.8	5
132	Enhanced Electroactivity of Facet-Controlled Co ₃ O ₄ Nanocrystals for Enzymeless Biosensing. <i>Journal of Materials Science and Technology</i> , 2016, 32, 24-27.	10.7	14
133	Effects of Surface Pretreatment of Glassy Carbon on the Electrochemical Behavior of V(IV)/V(V) Redox Reaction. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1164-A1174.	2.9	41
134	Epitaxial Growth of Auâ€“Ptâ€“Ni Nanorods for Direct High Selectivity H ₂ O ₂ Production. <i>Advanced Materials</i> , 2016, 28, 9949-9955.	23.6	216
135	Confined SnO ₂ quantum-dot clusters in graphene sheets as high-performance anodes for lithium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 25829.	3.4	40
136	Armoring Graphene Cathodes for Highâ€“Rate and Longâ€“Life Lithium Ion Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1502064.	21.5	84
137	Electrochemical stability of graphene cathode for highâ€“voltage lithium ion capacitors. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 407-414.	1.5	3
138	An Extension to the Analytical Evaluation of the Oxygen Reduction Reaction Based On the Electrokinetics On a Rotating Ringâ€“Disk Electrode. <i>ChemElectroChem</i> , 2016, 3, 622-628.	3.4	19
139	High-capacity pseudocapacitive Li storage on functional nanoporous carbons with parallel mesopores. <i>Energy Storage Materials</i> , 2016, 2, 14-20.	18.0	12
140	Evolution of the effect of sulfur confinement in graphene-based porous carbons for use in Liâ€“S batteries. <i>Nanoscale</i> , 2016, 8, 4447-4451.	5.6	71
141	An integrated nanocarbonâ€“cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016, 61, 368-377.	10.8	4
142	The smart era of electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2016, 3, 66-68.	18.0	41
143	Metalâ€“Ligand Complexes as Molecular Metal-Ion Reservoirs for Highly Promoted Growth of Î²-Co(OH) ₂ Microplates. <i>Crystal Growth and Design</i> , 2016, 16, 8-11.	3.1	14
144	Materials, Chemistry, and Simulation for Future Energy Technology. <i>ChemSusChem</i> , 2015, 8, 2755-2756.	7.2	1

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145	Structural Origin of the Activity in Mn ₃ O ₄ –Graphene Oxide Hybrid Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2015, 8, 3331-3339.	7.2	57
146	Two-Dimensional Porous Carbon: Synthesis and Ion Transport Properties. <i>Advanced Materials</i> , 2015, 27, 5388-5395.	23.6	326
147	Order of Activity of Nitrogen, Iron Oxide, and FeN Complexes towards Oxygen Reduction in Alkaline Medium. <i>ChemSusChem</i> , 2015, 8, 4016-4021.	7.2	27
148	A Discussion on the Activity Origin in Metal-Free Nitrogen-Doped Carbons For Oxygen Reduction Reaction and their Mechanisms. <i>ChemSusChem</i> , 2015, 8, 2772-2788.	7.2	114
149	Electroactive cellulose-supported graphene oxide interlayers for Li-S batteries. <i>Carbon</i> , 2015, 93, 611-619.	10.5	72
150	Dispersible percolating carbon nano-electrodes for improvement of polysulfide utilization in Li-S batteries. <i>Carbon</i> , 2015, 93, 161-168.	10.5	20
151	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. <i>Energy Storage Materials</i> , 2015, 1, 112-118.	18.0	87
152	A high-density graphene-sulfur assembly: a promising cathode for compact Li-S batteries. <i>Nanoscale</i> , 2015, 7, 5592-5597.	5.6	92
153	Dependence of LiNO ₃ decomposition on cathode binders in Li-S batteries. <i>Journal of Power Sources</i> , 2015, 288, 13-19.	7.9	47
154	Reduction-induced surface amorphization enhances the oxygen evolution activity in Co ₃ O ₄ . <i>RSC Advances</i> , 2015, 5, 27823-27828.	3.7	41
155	Carbon for the oxygen reduction reaction: a defect mechanism. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11736-11739.	10.3	267
156	Electron-beam writing of deoxygenated micro-patterns on graphene oxide film. <i>Carbon</i> , 2015, 95, 738-745.	10.5	22
157	A smart self-regenerative lithium ion supercapacitor with a real-time safety monitor. <i>Energy Storage Materials</i> , 2015, 1, 146-151.	18.0	29
158	Hierarchical mesoporous yolk-shell structured carbonaceous nanospheres for high performance electrochemical capacitive energy storage. <i>Chemical Communications</i> , 2015, 51, 2518-2521.	4.1	153
159	Revisiting oxygen reduction reaction on oxidized and unzipped carbon nanotubes. <i>Carbon</i> , 2015, 81, 295-304.	10.5	68
160	A Flexible Sulfur-Graphene-Polypropylene Separator Integrated Electrode for Advanced Li-S Batteries. <i>Advanced Materials</i> , 2015, 27, 641-647.	23.6	553
161	A Graphene-Pure Sulfur Sandwich Structure for Ultrafast, Long-Life Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 625-631.	23.6	917
162	Heterogeneous nanocarbon materials for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2014, 7, 576.	31.3	937

#	ARTICLE	IF	CITATIONS
163	Oriented and Interlinked Porous Carbon Nanosheets with an Extraordinary Capacitive Performance. <i>Chemistry of Materials</i> , 2014, 26, 6896-6903.	6.8	183
164	Nanospace-confined formation of flattened Sn sheets in pre-seeded graphenes for lithium ion batteries. <i>Nanoscale</i> , 2014, 6, 9554-9558.	5.6	47
165	Synergy of nanoconfinement and surface oxygen in recrystallization of sulfur melt in carbon nanocapsules and the related Li ⁺ /S cathode properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6439.	10.3	37
166	Unravelling the Structure of Electrocatalytically Active Fe ²⁺ /N Complexes in Carbon for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2014, 126, 10849-10853.	2.1	53
167	Hierarchical Design of Porous Carbon Materials for Supercapacitors. , 2014, , 443-460.		0
168	Unravelling the Structure of Electrocatalytically Active Fe ²⁺ /N Complexes in Carbon for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10673-10677.	14.2	313
169	Solution phase synthesis of halogenated graphene and the electrocatalytic activity for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2014, 35, 884-890.	14.2	26
170	Research and prospect on extraction of vanadium from vanadium slag by liquid oxidation technologies. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1273-1288.	4.2	65
171	The value of mixed conduction for oxygen electroreduction on graphene ²⁺ /chitosan composites. <i>Carbon</i> , 2014, 73, 234-243.	10.5	14
172	Unusual High Oxygen Reduction Performance in All-Carbon Electrocatalysts. <i>Scientific Reports</i> , 2014, 4, 6289.	3.4	68
173	Fabrication and supercapacitive properties of a thick electrode of carbon nanotube ²⁺ /RuO ₂ core ²⁺ /shell hybrid material with a high RuO ₂ loading. <i>Nano Energy</i> , 2013, 2, 1232-1241.	16.0	42
174	Facile Synthesis of Dendritic Gold Nanostructures with Hyperbranched Architectures and Their Electrocatalytic Activity toward Ethanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9148-9154.	8.1	60
175	The examination of graphene oxide for rechargeable lithium storage as a novel cathode material. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3607.	10.3	73
176	Nanosize SnO ₂ confined in the porous shells of carbon cages for kinetically efficient and long-term lithium storage. <i>Nanoscale</i> , 2013, 5, 1576.	5.6	71
177	Controlled Electrochemical Charge Injection to Maximize the Energy Density of Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3722-3725.	14.2	163
178	Carbon ²⁺ /sulfur composites for Li ⁺ /S batteries: status and prospects. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9382.	10.3	772
179	Fibrous Hybrid of Graphene and Sulfur Nanocrystals for High-Performance Lithium ⁺ /Sulfur Batteries. <i>ACS Nano</i> , 2013, 7, 5367-5375.	14.9	730
180	A facile soft-template synthesis of mesoporous polymeric and carbonaceous nanospheres. <i>Nature Communications</i> , 2013, 4, .	12.8	581

#	ARTICLE	IF	CITATIONS
181	Controlled Electrochemical Charge Injection to Maximize the Energy Density of Supercapacitors. <i>Angewandte Chemie</i> , 2013, 125, 3810-3813.	2.1	24
182	A microporousâ€“mesoporous carbon with graphitic structure for a high-rate stable sulfur cathode in carbonate solvent-based Liâ€“S batteries. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8703.	2.8	278
183	A nanosized Fe ₂ O ₃ decorated single-walled carbon nanotube membrane as a high-performance flexible anode for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 17942.	6.7	155
184	Oxygen Bridges between NiO Nanosheets and Graphene for Improvement of Lithium Storage. <i>ACS Nano</i> , 2012, 6, 3214-3223.	14.9	998
185	A water-dielectric capacitor using hydrated graphene oxide film. <i>Journal of Materials Chemistry</i> , 2012, 22, 21085.	6.7	69
186	Hybrid Graphene and Graphitic Carbon Nitride Nanocomposite: Gap Opening, Electronâ€“Hole Puddle, Interfacial Charge Transfer, and Enhanced Visible Light Response. <i>Journal of the American Chemical Society</i> , 2012, 134, 4393-4397.	14.1	574
187	A flexible nanostructured sulphurâ€“carbon nanotube cathode with high rate performance for Li-S batteries. <i>Energy and Environmental Science</i> , 2012, 5, 8901.	31.3	481
188	Hollow carbon cage with nanocapsules of graphitic shell/nickel core as an anode material for high rate lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 11252.	6.7	71
189	Nitrogenâ€“Doped Carbon Monolith for Alkaline Supercapacitors and Understanding Nitrogenâ€“Induced Redox Transitions. <i>Chemistry - A European Journal</i> , 2012, 18, 5345-5351.	3.8	364
190	Anodic chlorine/nitrogen co-doping of reduced graphene oxide films at room temperature. <i>Carbon</i> , 2012, 50, 3333-3341.	10.5	45
191	Synthesis and electrocatalytic activity of Au/Pt bimetallic nanodendrites for ethanol oxidation in alkaline medium. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 342-347.	9.5	50
192	In situ synthesis of Pt/carbon nanofiber nanocomposites with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 199-203.	9.5	50
193	The effect of carbon particle morphology on the electrochemical properties of nanocarbon/polyaniline composites in supercapacitors. <i>New Carbon Materials</i> , 2011, 26, 180-186.	6.1	35
194	Facile synthesis and electrochemical properties of octahedral gold nanocrystals. <i>Journal of Nanoparticle Research</i> , 2011, 13, 157-163.	1.9	7
195	Grapheneâ€“Cellulose Paper Flexible Supercapacitors. <i>Advanced Energy Materials</i> , 2011, 1, 917-922.	21.5	845
196	Ultrafast growth of dendritic gold nanostructures and their applications in methanol electro-oxidation and surface-enhanced Raman scattering. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 577-584.	9.5	43
197	Anchoring Hydrrous RuO ₂ on Graphene Sheets for Highâ€“Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2010, 20, 3595-3602.	16.0	1,135
198	Enhanced electrochemical sensitivity of PtRh electrodes coated with nitrogen-doped graphene. <i>Electrochemistry Communications</i> , 2010, 12, 1423-1427.	4.6	91

#	ARTICLE	IF	CITATIONS
199	A new shape of gold nanocrystals: singly twinned squashed dodecahedron. <i>CrystEngComm</i> , 2010, 12, 4028.	2.3	15
200	Electrochemical determination of oxalic acid using palladium nanoparticle-loaded carbon nanofiber modified electrode. <i>Analytical Methods</i> , 2010, 2, 855.	2.7	63
201	Wurtzite P-Doped GaN Triangular Microtubes as Field Emitters. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9627-9633.	3.2	28
202	Graphene-Wrapped Fe ₃ O ₄ Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2010, 22, 5306-5313.	6.8	1,784
203	High-Energy MnO ₂ Nanowire/Graphene and Graphene Asymmetric Electrochemical Capacitors. <i>ACS Nano</i> , 2010, 4, 5835-5842.	14.9	1,464
204	Electrochemical interfacial capacitance in multilayer graphene sheets: Dependence on number of stacking layers. <i>Electrochemistry Communications</i> , 2009, 11, 1729-1732.	4.6	161
205	Fabrication of Graphene/Polyaniline Composite Paper <i>via</i> <i>In Situ</i> Anodic Electropolymerization for High-Performance Flexible Electrode. <i>ACS Nano</i> , 2009, 3, 1745-1752.	14.9	1,472
206	Selective Synthesis of Single-Crystalline Rhombic Dodecahedral, Octahedral, and Cubic Gold Nanocrystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 697-703.	14.1	324
207	<i>In Situ</i> Assembly of Multi-Sheeted Buckybooks from Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2009, 3, 707-713.	14.9	39
208	Comparison of the rate capability of nanostructured amorphous and anatase TiO ₂ for lithium insertion using anodic TiO ₂ nanotube arrays. <i>Nanotechnology</i> , 2009, 20, 225701.	2.6	197
209	3D Aperiodic Hierarchical Porous Graphitic Carbon Material for High-Rate Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 373-376.	14.2	1,764
210	Electrospun Palladium Nanoparticle-Loaded Carbon Nanofibers and Their Electrocatalytic Activities towards Hydrogen Peroxide and NADH. <i>Advanced Functional Materials</i> , 2008, 18, 441-448.	16.0	287
211	Aligned Titania Nanotubes as an Intercalation Anode Material for Hybrid Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2008, 18, 3787-3793.	16.0	97
212	3D Aperiodic Hierarchical Porous Graphitic Carbon Material for High-Rate Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie</i> , 2008, 120, 379-382.	2.1	484
213	Hierarchical porous nickel oxide and carbon as electrode materials for asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2008, 185, 1563-1568.	7.9	447
214	Synthesis and dye separation performance of ferromagnetic hierarchical porous carbon. <i>Carbon</i> , 2008, 46, 1593-1599.	10.5	81
215	Synthesis and Electrochemical Property of Boron-Doped Mesoporous Carbon in Supercapacitor. <i>Chemistry of Materials</i> , 2008, 20, 7195-7200.	6.8	517
216	Amorphous TiO ₂ nanotube arrays for low-temperature oxygen sensors. <i>Nanotechnology</i> , 2008, 19, 405504.	2.6	181

#	ARTICLE	IF	CITATIONS
217	Diameter-Selective Growth of Single-Walled Carbon Nanotubes with High Quality by Floating Catalyst Method. ACS Nano, 2008, 2, 1722-1728.	14.9	89
218	Synthesis of Tin (II or IV) Oxide Coated Multiwall Carbon Nanotubes with Controlled Morphology. Journal of Physical Chemistry C, 2008, 112, 5790-5794.	3.2	46
219	Mesopore-Aspect-Ratio Dependence of Ion Transport in Rodtype Ordered Mesoporous Carbon. Journal of Physical Chemistry C, 2008, 112, 9950-9955.	3.2	100
220	Electron field emission of a nitrogen-doped TiO ₂ nanotube array. Nanotechnology, 2008, 19, 025606.	2.6	130
221	Improved capacitance of SBA-15 templated mesoporous carbons after modification with nitric acid oxidation. New Carbon Materials, 2007, 22, 307-314.	6.1	95
222	Effect of Pore Packing Defects in 2-D Ordered Mesoporous Carbons on Ionic Transport. Journal of Physical Chemistry B, 2006, 110, 8570-8575.	2.6	145
223	Perspective on Lewis Acid-Base Interactions in Emerging Batteries. Advanced Materials, 0, , .	23.6	0
224	Nanoconfined Supercooled Water in Hydrated Two-Dimensional Polyaniline for Sub-Zero Solid-State Zinc-Ion Hybrid Capacitor. Small, 0, , .	10.9	0