

Da-wei Wang

List of Publications by Year in descending order

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216
papers

29,600
citations

12303

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4750

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all docs

230
docs citations

230
times ranked

28297
citing authors

#	ARTICLE	IF	CITATIONS
1	Wafer-scale quasi-layered tungstate-doped polypyrrole film with high volumetric capacitance. Nano Research, 2023, 16, 4895-4900.	5.8	3
2	Atomic insights of electronic states engineering of GaN nanowires by Cu cation substitution for highly efficient lithium ion battery. Journal of Energy Chemistry, 2022, 67, 46-54.	7.1	19
3	Redox-mediated proton transport of two-dimensional polyaniline-based nanochannels for fast capacitive performance. , 2022, 1, .		6
4	Synergetic Nanoarchitectonics of Defects and Cocatalysts in Oxygen-Vacancy-Rich BiVO ₄ /reduced graphene oxide Mott-Schottky Heterostructures for Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2022, 14, 12180-12192.	4.0	9
5	Rigid metal/liquid metal nanoparticles: Synthesis and application for locally ablative therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 42, 102535.	1.7	8
6	Hydrogen-bonded quasi-layered polypyrrole-tungstate complex with exceptional electrochemical capacitance over 25000 cycles. Composites Part B: Engineering, 2022, 238, 109910.	5.9	3
7	Design Rationale and Device Configuration of Lithium-Ion Capacitors. Advanced Energy Materials, 2022, 12, .	10.2	40
8	Numerical Simulation on Thermal Response of Laser-Irradiated Biological Tissues Embedded with Liquid Metal Nanoparticles. Journal of Thermal Science, 2022, 31, 1220-1235.	0.9	7
9	Introducing Stacking Faults into Three-Dimensional Branched Nickel Nanoparticles for Improved Catalytic Activity. Journal of the American Chemical Society, 2022, 144, 11094-11098.	6.6	27
10	2D polyaniline with exchangeable interlayer fluid for fast and stable volumetric dual ion storage. Journal of Energy Chemistry, 2021, 54, 587-594.	7.1	9
11	Graphene oxide: An emerging electromaterial for energy storage and conversion. Journal of Energy Chemistry, 2021, 55, 323-344.	7.1	146
12	Combined DFT and experiment: Stabilizing the electrochemical interfaces via boron Lewis acids. Journal of Energy Chemistry, 2021, 59, 100-107.	7.1	12
13	A vertical graphene enhanced Zn-MnO ₂ flexible battery towards wearable electronic devices. Journal of Materials Chemistry A, 2021, 9, 575-584.	5.2	43
14	Chemical formation and source apportionment of PM2.5 at an urban site at the southern foot of the Taihang mountains. Journal of Environmental Sciences, 2021, 103, 20-32.	3.2	10
15	High yield electrooxidation of 5-hydroxymethyl furfural catalysed by unsaturated metal sites in CoFe Prussian Blue Analogue films. Green Chemistry, 2021, 23, 4333-4337.	4.6	19
16	Carbon-supported layered double hydroxide nanodots for efficient oxygen evolution: Active site identification and activity enhancement. Nano Research, 2021, 14, 3329-3336.	5.8	14
17	Mini/Micro/Nano Scale Liquid Metal Motors. Micromachines, 2021, 12, 280.	1.4	16
18	Demystifying the catalysis in lithium-sulfur batteries: Characterization methods and techniques. SusMat, 2021, 1, 51-65.	7.8	68

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19	In-situ synthesized liquid metal microgels. , 2021, , .		1
20	An in-situ solidification strategy to block polysulfides in Lithium-Sulfur batteries. Energy Storage Materials, 2021, 37, 224-232.	9.5	55
21	Ligand-Promoted Cooperative Electrochemical Oxidation of Bio-Alcohol on Distorted Cobalt Hydroxides for Bio-Hydrogen Extraction. ChemSusChem, 2021, 14, 2612-2620.	3.6	6
22	Oxygen Nucleation of MoS ₂ Nanosheet Thin Film Supercapacitor Electrodes for Enhanced Electrochemical Energy Storage. ChemSusChem, 2021, 14, 2882-2891.	3.6	3
23	Energy Storing Plant Stem with Cytocompatibility for Supercapacitor Electrode. Advanced Functional Materials, 2021, 31, 2106787.	7.8	6
24	Nanofluidic voidless electrode for electrochemical capacitance enhancement in gel electrolyte. Nature Communications, 2021, 12, 5515.	5.8	13
25	High-performance hierarchical MnO ₂ /CNT electrode for multifunctional supercapacitors. Carbon, 2021, 184, 504-513.	5.4	54
26	High voltage aqueous Zn/LiCoO ₂ hybrid battery under mildly alkaline conditions. Energy Storage Materials, 2021, 43, 158-164.	9.5	14
27	High volumetric capacity nanoparticle electrodes enabled by nanofluidic fillers. Energy Storage Materials, 2021, 43, 202-211.	9.5	4
28	High-performance lithium-sulfur batteries enabled by regulating Li ₂ S deposition. Physical Chemistry Chemical Physics, 2021, 23, 21385-21398.	1.3	12
29	Magnetic liquid metal loaded nano-in-micro spheres as fully flexible theranostic agents for SMART embolization. Nanoscale, 2021, 13, 8817-8836.	2.8	39
30	Precise Regulation of Ga-Based Liquid Metal Oxidation. Accounts of Materials Research, 2021, 2, 1093-1103.	5.9	56
31	Binary graphene-based cathode structure for high-performance lithium-sulfur batteries. JPhys Energy, 2020, 2, 015003.	2.3	11
32	Covalent fixing of sulfur in metal-sulfur batteries. Energy and Environmental Science, 2020, 13, 432-471.	15.6	118
33	In Situ Sulfurized Carbon-Confined Cobalt for Long-Life Mg/S Batteries. ACS Applied Energy Materials, 2020, 3, 2516-2525.	2.5	23
34	Three-dimensional aerogel based on in-situ growth of 1T-MoS ₂ on functionalized hierarchical porous carbon/reduced graphene oxide for energy storage. Applied Surface Science, 2020, 506, 144811.	3.1	18
35	Plastic three-dimensional nanocarbon-polyacrylic acid sponges with high volumetric capacitance for Li-ion capacitor. Sustainable Materials and Technologies, 2020, 26, e00223.	1.7	1
36	Tungsten Oxide/Carbide Surface Heterojunction Catalyst with High Hydrogen Evolution Activity. ACS Energy Letters, 2020, 5, 3560-3568.	8.8	70

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37	Biofriendly micro/nanomotors operating on biocatalysis: from natural to biological environments. Biophysics Reports, 2020, 6, 179-192.	0.2	6
38	Dynamic single-site polysulfide immobilization in long-range disorder Cu-MOFs. Chemical Communications, 2020, 56, 10074-10077.	2.2	1
39	Transport Patterns, Size Distributions, and Depolarization Characteristics of Dust Particles in East Asia in Spring 2018. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031752.	1.2	13
40	High-performance graphene/disodium terephthalate electrodes with ether electrolyte for exceptional cooperative sodiation/desodiation. Nano Energy, 2020, 77, 105203.	8.2	16
41	Recent advancements in g-C ₃ N ₄ -based photocatalysts for photocatalytic CO ₂ reduction: a mini review. RSC Advances, 2020, 10, 29408-29418.	1.7	75
42	Dendritic Ag/Pd Alloy Nanostructure Arrays for Electrochemical CO ₂ Reduction. ChemElectroChem, 2020, 7, 2608-2613.	1.7	12
43	Reliable liquid electrolytes for lithium metal batteries. Energy Storage Materials, 2020, 30, 113-129.	9.5	92
44	Liquid Metal Hybrid Platform-Mediated Ice-Free Dual Noninvasive Conformable Melanoma Therapy. ACS Applied Materials & Interfaces, 2020, 12, 27984-27993.	4.0	51
45	Influence of the morphological change in natural Asian dust during transport: A modeling study for a typical dust event over northern China. Science of the Total Environment, 2020, 739, 139791.	3.9	8
46	Enhanced visible/near-infrared light harvesting and superior charge separation via 0D/2D all-carbon hybrid architecture for photocatalytic oxygen evolution. Carbon, 2020, 167, 724-735.	5.4	26
47	In situ modification of BiVO ₄ nanosheets on graphene for boosting photocatalytic water oxidation. Nanoscale, 2020, 12, 14853-14862.	2.8	20
48	Assembly of 1Tâ€²-MoS ₂ based fibers for flexible energy storage. Nanoscale, 2020, 12, 6562-6570.	2.8	10
49	Fabrication strategies for high-rate TiO ₂ nanotube anodes for Li ion energy storage. Journal of Power Sources, 2020, 463, 228205.	4.0	16
50	Faceted Branched Nickel Nanoparticles with Tunable Branch Length for High-Activity Electrocatalytic Oxidation of Biomass. Angewandte Chemie - International Edition, 2020, 59, 15487-15491.	7.2	83
51	Ternary MnO/CoMn alloy@N-doped graphitic composites derived from a bi-metallic pigment as bi-functional electrocatalysts. Journal of Materials Chemistry A, 2019, 7, 20649-20657.	5.2	33
52	Refilling Nitrogen to Oxygen Vacancies in Ultrafine Tungsten Oxide Clusters for Superior Lithium Storage. Advanced Energy Materials, 2019, 9, 1902148.	10.2	48
53	Micro-Macroscopic Coupled Electrode Architecture for High-Energy-Density Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2019, 2, 7393-7402.	2.5	6
54	Highly cross-linked carbon sponge enables room-temperature long-life semi-liquid Na/polysulfide battery. Materials Today Energy, 2019, 14, 100342.	2.5	11

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55	Unlocking high-potential non-persistent radical chemistry for semi-aqueous redox batteries. <i>Chemical Communications</i> , 2019, 55, 2154-2157.	2.2	14
56	A Desolvated Solid-Solid Interface for a High-Capacitance Electric Double Layer. <i>Advanced Energy Materials</i> , 2019, 9, 1803715.	10.2	20
57	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.	5.2	80
58	Hydrophilic tannic acid-modified WS ₂ nanosheets for enhanced polysulfide conversion in aqueous media. <i>JPhys Energy</i> , 2019, 1, 015005.	2.3	2
59	Quantifying the Volumetric Performance Metrics of Supercapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1900079.	10.2	88
60	Electric Double Layer: A Desolvated Solid-Solid Interface for a High-Capacitance Electric Double Layer (Adv. Energy Mater. 12/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970037.	10.2	3
61	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.	1.9	28
62	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pH-Speed Regulation at Ultralow Physiological H ₂ O ₂ Concentration. <i>Advanced Functional Materials</i> , 2019, 29, 1808900.	7.8	66
63	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.	7.1	31
64	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.	5.2	34
65	Graphene-Based Planar Microsupercapacitors: Recent Advances and Future Challenges. <i>Advanced Materials Technologies</i> , 2019, 4, 1800200.	3.0	54
66	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.	4.0	49
67	Superior removal of Hg (II) ions from wastewater using hierarchically porous, functionalized carbon. <i>Journal of Hazardous Materials</i> , 2019, 371, 33-41.	6.5	48
68	High electrochemical cycling performance through accurately inheriting hierarchical porous structure from bagasse. <i>Journal of Energy Storage</i> , 2019, 22, 60-67.	3.9	13
69	Evolution of the electrochemical interface in sodium ion batteries with ether electrolytes. <i>Nature Communications</i> , 2019, 10, 725.	5.8	289
70	Carbon-Based Metal-Free Catalysts for Key Reactions Involved in Energy Conversion and Storage. <i>Advanced Materials</i> , 2019, 31, e1801526.	11.1	273
71	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.	2.4	36
72	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.	4.0	7

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73	High-Performance Microsupercapacitors Based on Bioinspired Graphene Microfibers. ACS Applied Materials & Interfaces, 2018, 10, 10157-10164.	4.0	37
74	Sodium Ion Capacitors: The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors (Adv. Energy Mater. 11/2018). Advanced Energy Materials, 2018, 8, 1870050.	10.2	0
75	A Li-ion sulfur full cell with ambient resistant Al-Li alloy anode. Energy Storage Materials, 2018, 15, 209-217.	9.5	44
76	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors. Advanced Energy Materials, 2018, 8, 1702395.	10.2	75
77	A gradient bi-functional graphene-based modified electrode for vanadium redox flow batteries. Energy Storage Materials, 2018, 13, 66-71.	9.5	84
78	Core/Shell NiFe Nanoalloy with a Discrete N-doped Graphitic Carbon Cover for Enhanced Water Oxidation. ChemElectroChem, 2018, 5, 732-736.	1.7	26
79	A Rechargeable Quasi-symmetrical MoS ₂ Battery. Joule, 2018, 2, 1278-1286.	11.7	33
80	Suitability of representative electrochemical energy storage technologies for ramp-rate control of photovoltaic power. Journal of Power Sources, 2018, 384, 396-407.	4.0	25
81	Dense Graphene Monolith for High Volumetric Energy Density Li-S Batteries. Advanced Energy Materials, 2018, 8, 1703438.	10.2	97
82	Layered conductive polymer-inorganic anion network for high-performance ultra-loading capacitive electrodes. Energy Storage Materials, 2018, 14, 90-99.	9.5	20
83	Tailoring magnesium based materials for hydrogen storage through synthesis: Current state of the art. Energy Storage Materials, 2018, 10, 168-198.	9.5	294
84	“Soft” graphene oxide-organopolysulfide nanocomposites for superior pseudocapacitive lithium storage. Chinese Chemical Letters, 2018, 29, 603-605.	4.8	4
85	Bimetal-organic frameworks for functionality optimization: MnFe-MOF-74 as a stable and efficient catalyst for the epoxidation of alkenes with H ₂ O ₂ . Nanoscale, 2018, 10, 1591-1597.	2.8	68
86	Ultrahigh rate sodium ion storage with nitrogen-doped expanded graphite oxide in ether-based electrolyte. Journal of Materials Chemistry A, 2018, 6, 1582-1589.	5.2	60
87	Benchmarking the Oxygen Reduction Electroactivity of First-Row Transition-Metal Oxide Clusters on Carbon Nanotubes. ChemElectroChem, 2018, 5, 1862-1867.	1.7	10
88	A highly efficient flocculant for graphene oxide recycling and its applications. Nanotechnology, 2018, 29, 015401.	1.3	2
89	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. Energy Storage Materials, 2018, 12, 30-36.	9.5	31
90	Digital to analog resistive switching transition induced by graphene buffer layer in strontium titanate based devices. Journal of Colloid and Interface Science, 2018, 512, 767-774.	5.0	43

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91	Polysulfide immobilization and conversion on a conductive polar MoC@MoOx material for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 10, 56-61.	9.5	157
92	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.	4.0	28
93	Future Energy Technology: Enabling New Science for a Sustainable Future. <i>ChemPlusChem</i> , 2018, 83, 890-892.	1.3	2
94	Hybrid Solid Polymer Electrolytes with Two-Dimensional Inorganic Nanofillers. <i>Chemistry - A European Journal</i> , 2018, 24, 18180-18203.	1.7	41
95	A 2D Conductive Organic-Inorganic Hybrid with Extraordinary Volumetric Capacitance at Minimal Swelling. <i>Advanced Materials</i> , 2018, 30, e1800400.	11.1	34
96	Ethers Illuminate Sodium-Based Battery Chemistry: Uniqueness, Surprise, and Challenges. <i>Advanced Energy Materials</i> , 2018, 8, 1801361.	10.2	149
97	Safe and high-rate supercapacitors based on an acetonitrile/water in salt-hybrid electrolyte. <i>Energy and Environmental Science</i> , 2018, 11, 3212-3219.	15.6	297
98	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.	3.9	27
99	Nanosized Zinc-Mediated Self-Gelation of Graphene Oxide under Ambient Conditions. <i>ChemPlusChem</i> , 2018, 83, 947-955.	1.3	1
100	Towards a reliable Li-metal-free LiNO ₃ -free Li-ion polysulphide full cell <i>via</i> parallel interface engineering. <i>Energy and Environmental Science</i> , 2018, 11, 2509-2520.	15.6	24
101	Functional Carbons Remedy the Shuttling of Polysulfides in Lithium-Sulfur Batteries: Confining, Trapping, Blocking, and Breaking up. <i>Advanced Functional Materials</i> , 2018, 28, 1800508.	7.8	164
102	Solar Redox Flow Batteries: Mechanism, Design, and Measurement. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800031.	2.7	29
103	Carboxymethyl cellulose binders enable high-rate capability of sulfurized polyacrylonitrile cathodes for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5460-5465.	5.2	62
104	Light, Catalyst, Activation: Boosting Catalytic Oxygen Activation Using a Light Pretreatment Approach. <i>ACS Catalysis</i> , 2017, 7, 3644-3653.	5.5	20
105	Modification Based on MoO ₃ as Electrocatalysts for High Power Density Vanadium Redox Flow Batteries. <i>ChemElectroChem</i> , 2017, 4, 1836-1839.	1.7	34
106	More Reliable Lithium-Sulfur Batteries: Status, Solutions and Prospects. <i>Advanced Materials</i> , 2017, 29, 1606823.	11.1	1,414
107	Functions in cooperation for enhanced oxygen reduction reaction: the independent roles of oxygen and nitrogen sites in metal-free nanocarbon and their functional synergy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3239-3248.	5.2	37
108	Monolithic Integration of Anodic Molybdenum Oxide Pseudocapacitive Electrodes on Screen-Printed Silicon Solar Cells for Hybrid Energy Harvesting-Storage Systems. <i>Advanced Energy Materials</i> , 2017, 7, 1602325.	10.2	14

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109	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. <i>Energy and Environmental Science</i> , 2017, 10, 370-376.	15.6	395
110	Explaining the spatiotemporal variation of fine particle number concentrations over Beijing and surrounding areas in an air quality model with aerosol microphysics. <i>Environmental Pollution</i> , 2017, 231, 1302-1313.	3.7	13
111	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. <i>Nano Energy</i> , 2017, 41, 233-242.	8.2	41
112	Batteries: An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery (Adv. Energy Mater. 19/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	1
113	Nitrogen Doped Carbon Nanosheets Coupled Nickel-Carbon Pyramid Arrays Toward Efficient Evolution of Hydrogen. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700032.	2.7	12
114	Hydrotalcite-wrapped Co-B alloy with enhanced oxygen evolution activity. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1021-1027.	6.9	11
115	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700545.	10.2	36
116	Universal Generating Function Based Probabilistic Production Simulation Approach Considering Wind Speed Correlation. <i>Energies</i> , 2017, 10, 1786.	1.6	9
117	Integration of Electrochemical Capacitors on Silicon Photovoltaic Modules for Rapid-Response Power Buffering. , 2017, , .		6
118	An Aqueous Metal-Ion Capacitor with Oxidized Carbon Nanotubes and Metallic Zinc Electrodes. <i>Frontiers in Energy Research</i> , 2016, 4, .	1.2	75
119	Membrane Permeability Rates of Vanadium Ions and Their Effects on Temperature Variation in Vanadium Redox Batteries. <i>Energies</i> , 2016, 9, 1058.	1.6	45
120	A comparative study on layered cobalt hydroxides in water oxidation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 415-423.	0.8	10
121	Nanorods: Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H ₂ O ₂ Production (Adv.) Tj ETQq1 1 0.784314 rgBT /Over 11.1		1
122	An integrated nanocarbon-cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016, 61, 368-377.	4.3	5
123	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.	5.6	12
124	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.	1.3	37
125	Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H ₂ O ₂ Production. <i>Advanced Materials</i> , 2016, 28, 9949-9955.	11.1	205
126	Confined SnO ₂ quantum-dot clusters in graphene sheets as high-performance anodes for lithium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 25829.	1.6	38

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127	Armoring Graphene Cathodes for High-Rate and Long-Life Lithium Ion Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1502064.	10.2	83
128	Electrochemical stability of graphene cathode for high-voltage lithium ion capacitors. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 407-414.	0.8	3
129	An Extension to the Analytical Evaluation of the Oxygen Reduction Reaction Based On the Electrokinetics On a Rotating Ring-Disk Electrode. <i>ChemElectroChem</i> , 2016, 3, 622-628.	1.7	19
130	High-capacity pseudocapacitive Li storage on functional nanoporous carbons with parallel mesopores. <i>Energy Storage Materials</i> , 2016, 2, 14-20.	9.5	12
131	Evolution of the effect of sulfur confinement in graphene-based porous carbons for use in Li-S batteries. <i>Nanoscale</i> , 2016, 8, 4447-4451.	2.8	69
132	Porous yet dense metal-free electro-materials for compact energy storage. <i>Science China Materials</i> , 2016, 59, 4-5.	3.5	4
133	An integrated nanocarbon-cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016, 61, 368-377.	4.3	4
134	The smart era of electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2016, 3, 66-68.	9.5	33
135	Metal-Ligand Complexes as Molecular Metal-Ion Reservoirs for Highly Promoted Growth of $\text{P}^2\text{-Co(OH)}_2$ Microplates. <i>Crystal Growth and Design</i> , 2016, 16, 8-11.	1.4	13
136	Carbon: Two-Dimensional Porous Carbon: Synthesis and Ion-Transport Properties (<i>Adv. Mater.</i> 36/2015). <i>Advanced Materials</i> , 2015, 27, 5254-5254.	11.1	4
137	Materials, Chemistry, and Simulation for Future Energy Technology. <i>ChemSusChem</i> , 2015, 8, 2755-2756.	3.6	1
138	Structural Origin of the Activity in Mn_3O_4 -Graphene Oxide Hybrid Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2015, 8, 3331-3339.	3.6	56
139	Two-Dimensional Porous Carbon: Synthesis and Ion-Transport Properties. <i>Advanced Materials</i> , 2015, 27, 5388-5395.	11.1	318
140	Order of Activity of Nitrogen, Iron Oxide, and FeN_x Complexes towards Oxygen Reduction in Alkaline Medium. <i>ChemSusChem</i> , 2015, 8, 4016-4021.	3.6	26
141	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.	3.6	111
142	Electroactive cellulose-supported graphene oxide interlayers for Li-S batteries. <i>Carbon</i> , 2015, 93, 611-619.	5.4	71
143	Dispersible percolating carbon nano-electrodes for improvement of polysulfide utilization in Li-S batteries. <i>Carbon</i> , 2015, 93, 161-168.	5.4	20
144	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. <i>Energy Storage Materials</i> , 2015, 1, 112-118.	9.5	83

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145	A high-density graphene-sulfur assembly: a promising cathode for compact Li-S batteries. <i>Nanoscale</i> , 2015, 7, 5592-5597.	2.8	92
146	Li-S Batteries: A Flexible Sulfur-Graphene-Polypropylene Separator Integrated Electrode for Advanced Li-S Batteries (<i>Adv. Mater.</i> 4/2015). <i>Advanced Materials</i> , 2015, 27, 590-590.	11.1	4
147	Dependence of LiNO ₃ decomposition on cathode binders in Li-S batteries. <i>Journal of Power Sources</i> , 2015, 288, 13-19.	4.0	45
148	Reduction-induced surface amorphization enhances the oxygen evolution activity in Co ₃ O ₄ . <i>RSC Advances</i> , 2015, 5, 27823-27828.	1.7	40
149	Carbon for the oxygen reduction reaction: a defect mechanism. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11736-11739.	5.2	261
150	Electron-beam writing of deoxygenated micro-patterns on graphene oxide film. <i>Carbon</i> , 2015, 95, 738-745.	5.4	20
151	A smart self-regenerative lithium ion supercapacitor with a real-time safety monitor. <i>Energy Storage Materials</i> , 2015, 1, 146-151.	9.5	28
152	Hierarchical mesoporous yolk-shell structured carbonaceous nanospheres for high performance electrochemical capacitive energy storage. <i>Chemical Communications</i> , 2015, 51, 2518-2521.	2.2	151
153	Revisiting oxygen reduction reaction on oxidized and unzipped carbon nanotubes. <i>Carbon</i> , 2015, 81, 295-304.	5.4	64
154	A Flexible Sulfur-Graphene-Polypropylene Separator Integrated Electrode for Advanced Li-S Batteries. <i>Advanced Materials</i> , 2015, 27, 641-647.	11.1	545
155	A Graphene-Pure Sulfur Sandwich Structure for Ultrafast, Long-Life Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 625-631.	11.1	908
156	Heterogeneous nanocarbon materials for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2014, 7, 576.	15.6	922
157	Oriented and Interlinked Porous Carbon Nanosheets with an Extraordinary Capacitive Performance. <i>Chemistry of Materials</i> , 2014, 26, 6896-6903.	3.2	180
158	Nanospace-confined formation of flattened Sn sheets in pre-seeded graphenes for lithium ion batteries. <i>Nanoscale</i> , 2014, 6, 9554-9558.	2.8	46
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