Yong-Gang Wang

List of Publications by Year
in descending order

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392 papers	43,147 citations	1368 108 h-index	2812 191 g-index
405 all docs	405 docs citations	405 times ranked	31097 citing authors

#	Article	IF	Citations
1	In situ preparation of gel polymer electrolyte for lithium batteries: Progress and perspectives. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	93
2	Genome and systems biology of Melilotus albus provides insights into coumarins biosynthesis. Plant Biotechnology Journal, 2022, 20, 592-609.	4.1	24
3	Industrial scale production of fibre batteries by a solution-extrusion method. Nature Nanotechnology, 2022, 17, 372-377.	15.6	110
4	Building low-temperature batteries: Non-aqueous or aqueous electrolyte?. Current Opinion in Electrochemistry, 2022, 33, 100949.	2.5	13
5	Sodiumâ€Ion Battery with a Wide Operationâ€Temperature Range from â˜’70 to 100â€‰Â°C. Angewandte Chemie, 2022, 134, .	1.6	8
6	Sodiumâ€Ion Battery with a Wide Operationâ€Temperature Range from â˜’70 to 100â€‰Â°C. Angewandte Chemie - International Edition, 2022, 61, e202116930.	7.2	46
7	Fluorinated Carbon Materials and the Applications in Energy Storage Systems. ACS Applied Energy Materials, 2022, 5, 3966-3978.	2.5	14
8	A Highly Stable Liâ€Organic Allâ€Solidâ€State Battery Based on Sulfide Electrolytes. Advanced Energy Materials, 2022, 12, .	10.2	17
9	Cathode Materials Challenge Varied with Different Electrolytes in Zinc Batteries. , 2022, 4, 190-204.		24
10	Promoting polysulfide redox kinetics by tuning the non-metallic p-band of Mo-based compounds. Journal of Materials Chemistry A, 2022, 10, 11477-11487.	5.2	10
11	Forage Yield, Canopy Characteristics, and Radiation Interception of Ten Alfalfa Varieties in an Arid Environment. Plants, 2022, 11, 1112.	1.6	6
12	Cleistogamous spike and chasmogamous spike carbon remobilization improve the seed potential yield of Cleistogenes songorica under water stress. Seed Science Research, 2022, 32, 34-45.	0.8	0
13	Hierarchical Sulfideâ€Rich Modification Layer on SiO/C Anode for Lowâ€Temperature Liâ€Ion Batteries. Advanced Science, 2022, 9, e2104531.	5.6	17
14	VPO₄F Fluorophosphates Polyanion Cathodes for Highâ€Voltage Proton Storage. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
15	Decoupled amphoteric water electrolysis and its integration with Mnâ€“Zn battery for flexible utilization of renewables. Energy and Environmental Science, 2021, 14, 883-889.	15.6	49
16	Ultrathin Silicon Nanolayer Implanted Ni_xSi/Ni Nanoparticles as Superlongâ€Cycle Lithiumâ€Ion Anode Material. Small Structures, 2021, 2, 2000126.	6.9	18
17	The genome of Cleistogenes songorica provides a blueprint for functional dissection of dimorphic flower differentiation and drought adaptability. Plant Biotechnology Journal, 2021, 19, 532-547.	4.1	21
18	Prevention of Na Corrosion and Dendrite Growth for Long-Life Flexible Naâ€“Air Batteries. ACS Central Science, 2021, 7, 335-344.	5.3	24

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19	Topology design of digital metamaterials for ultra-compact integrated photonic devices based on mode manipulation. Nanoscale Advances, 2021, 3, 4579-4588.	2.2	6
20	Mechanism-of-Action Elucidation of Reversible Liâ€“CO₂ Batteries Using the Water-in-Salt Electrolyte. ACS Applied Materials & Interfaces, 2021, 13, 7396-7404.	4.0	30
21	Stable High-Voltage Aqueous Zinc Battery Based on Carbon-Coated NaVPO₄F Cathode. ACS Sustainable Chemistry and Engineering, 2021, 9, 3223-3231.	3.2	26
22	Towards Highâ€Performance Zincâ€Based Hybrid Supercapacitors via Macroporesâ€Based Charge Storage in Organic Electrolytes. Angewandte Chemie - International Edition, 2021, 60, 9610-9617.	7.2	90
23	Towards Highâ€Performance Zincâ€Based Hybrid Supercapacitors via Macroporesâ€Based Charge Storage in Organic Electrolytes. Angewandte Chemie, 2021, 133, 9696-9703.	1.6	5
24	A universal method for rapid identification of alfalfa and burr medic seeds with an emphasis on discriminating different forage species. Grass and Forage Science, 2021, 76, 353-362.	1.2	1
25	Mechanochemical Synthesis of Pt/Nb2CTx MXene Composites for Enhanced Electrocatalytic Hydrogen Evolution. Materials, 2021, 14, 2426.	1.3	15
26	Revisiting the designing criteria of advanced solid electrolyte interphase on lithium metal anode under practical condition. Nano Energy, 2021, 83, 105847.	8.2	79
27	Direct View on the Origin of High Li⁺ Transfer Impedance in Allâ€Solidâ€State Battery. Advanced Functional Materials, 2021, 31, 2103971.	7.8	23
28	Activity Origin and Catalyst Design Principles for Electrocatalytic Oxygen Evolution on Layered Transition Metal Oxide with Halogen Doping. Small Structures, 2021, 2, 2100069.	6.9	30
29	Green Synthesis and Optimization of 3D Nitrogenâ€Doped Carbon Network via Biomass Waste for Highly Efficient Bisphenol S Adsorption. ChemistrySelect, 2021, 6, 6348-6352.	0.7	2
30	Prussian Blue Cathode with Intercalation Pseudocapacitive Behavior for Lowâ€Temperature Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100105.	2.8	11
31	A Highâ€Voltage Znâ€“Organic Battery Using a Nonflammable Organic Electrolyte. Angewandte Chemie, 2021, 133, 21193-21200.	1.6	5
32	A Highâ€Voltage Znâ€“Organic Battery Using a Nonflammable Organic Electrolyte. Angewandte Chemie - International Edition, 2021, 60, 21025-21032.	7.2	67
33	Advanced Electrolyte Design for Highâ€Energyâ€Density Liâ€Metal Batteries under Practical Conditions. Angewandte Chemie, 2021, 133, 25828-25842.	1.6	31
34	Molecular Tailoring of an n/pâ€type Phenothiazine Organic Scaffold for Zinc Batteries. Angewandte Chemie - International Edition, 2021, 60, 20826-20832.	7.2	77
35	Advanced Electrolyte Design for Highâ€Energyâ€Density Liâ€Metal Batteries under Practical Conditions. Angewandte Chemie - International Edition, 2021, 60, 25624-25638.	7.2	81
36	Molecular Tailoring of an n/pâ€type Phenothiazine Organic Scaffold for Zinc Batteries. Angewandte Chemie, 2021, 133, 20994-21000.	1.6	21

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37	Chemically Self-Charging Aqueous Zinc-Organic Battery. Journal of the American Chemical Society, 2021, 143, 15369-15377.	6.6	109
38	A Desolvationâ€Free Sodium Dualâ€Ion Chemistry for High Power Density and Extremely Low Temperature. Angewandte Chemie, 2021, 133, 24051.	1.6	5
39	Scalable production of high-performing woven lithium-ion fibre batteries. Nature, 2021, 597, 57-63.	13.7	270
40	A Desolvationâ€Free Sodium Dualâ€Ion Chemistry for High Power Density and Extremely Low Temperature. Angewandte Chemie - International Edition, 2021, 60, 23858-23862.	7.2	54
41	Hybrid Li-Ion Capacitor Operated within an All-Climate Temperature Range from â^'60 to +55 Â°C. ACS Applied Materials & Interfaces, 2021, 13, 45630-45638.	4.0	6
42	An all-climate CFx/Li battery with mechanism-guided electrolyte. Energy Storage Materials, 2021, 42, 477-483.	9.5	40
43	Self-assembled ZnO-carbon dots anode materials for high performance nickel-zinc alkaline batteries. Chemical Engineering Journal, 2021, 425, 130660.	6.6	29
44	Aqueous rechargeable zinc batteries: Challenges and opportunities. Current Opinion in Electrochemistry, 2021, 30, 100801.	2.5	14
45	Towards High Performance Liâ€“S Batteries via Sulfonateâ€Rich COFâ€Modified Separator. Advanced Materials, 2021, 33, e2105178.	11.1	180
46	Promoting Rechargeable Batteries Operated at Low Temperature. Accounts of Chemical Research, 2021, 54, 3883-3894.	7.6	91
47	Progress and Prospects in Redox Mediators for Highly Reversible Lithiumâ€“Oxygen Batteries: A Minireview. Energy & Fuels, 2021, 35, 19302-19319.	2.5	10
48	Pd Doped Co3O4 Loaded on Carbon Nanofibers as Highly Efficient Free-Standing Electrocatalyst for Oxygen Reduction and Oxygen Evolution Reactions. Frontiers in Chemistry, 2021, 9, 812375.	1.8	2
49	Ammonium-ion batteries with a wide operating temperature window from â^'40 to 80Ââ€‹Â°C. EScience, 2021, 1, 212-218.	25.0	49
50	Stable Liâ€“Metal Batteries Enabled by in Situ Gelation of an Electrolyte and In-Built Fluorinated Solid Electrolyte Interface. ACS Applied Materials & Interfaces, 2021, 13, 60054-60062.	4.0	21
51	Genome-Wide Identification of NAC Transcription Factor Family and Functional Analysis of the Abiotic Stress-Responsive Genes in Medicago sativa L.. Journal of Plant Growth Regulation, 2020, 39, 324-337.	2.8	23
52	Covalent organic framework-based ultrathin crystalline porous film: manipulating uniformity of fluoride distribution for stabilizing lithium metal anode. Journal of Materials Chemistry A, 2020, 8, 3459-3467.	5.2	75
53	Hybrid electrolyte for advanced rechargeable batteries. Science Bulletin, 2020, 65, 92-93.	4.3	3
54	Molecular Design of Fused-Ring Phenazine Derivatives for Long-Cycling Alkaline Redox Flow Batteries. ACS Energy Letters, 2020, 5, 411-417.	8.8	136

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55	Pencil-drawing on nitrogen and sulfur co-doped carbon paper: An effective and stable host to pre-store Li for high-performance lithiumâ€“air batteries. Energy Storage Materials, 2020, 26, 593-603.	9.5	39
56	Spaceâ€Confined Atomic Clusters Catalyze Superassembly of Silicon Nanodots within Carbon Frameworks for Use in Lithiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 3161-3166.	1.6	17
57	Spaceâ€Confined Atomic Clusters Catalyze Superassembly of Silicon Nanodots within Carbon Frameworks for Use in Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 3137-3142.	7.2	52
58	Integrated analysis of co-expression, conserved genes and gene families reveal core regulatory network of heat stress response in Cleistogenes songorica, a xerophyte perennial desert plant. BMC Genomics, 2020, 21, 715.	1.2	9
59	Organic Flow Batteries: Recent Progress and Perspectives. Energy & Fuels, 2020, 34, 13384-13411.	2.5	58
60	Annealingâ€Free Platinumâ^'Cobalt Alloy Nanoparticles on Nitrogenâ€Doped Mesoporous Carbon with Boosted Oxygen Electroreduction Performance. ChemElectroChem, 2020, 7, 3341-3346.	1.7	6
61	Stabilized Rechargeable Aqueous Zinc Batteries Using Ethylene Glycol as Water Blocker. ChemSusChem, 2020, 13, 5556-5564.	3.6	78
62	Efficient Renewable-to-Hydrogen Conversion via Decoupled Electrochemical Water Splitting. Cell Reports Physical Science, 2020, 1, 100138.	2.8	43
63	Highly Stable Lithiumâ€“Sulfur Batteries Achieved by a SnS/Porous Carbon Nanosheet Architecture Modified Celgard Separator. Advanced Functional Materials, 2020, 30, 2006297.	7.8	50
64	Extra lithium-ion storage capacity enabled by liquid-phase exfoliated indium selenide nanosheets conductive network. Energy and Environmental Science, 2020, 13, 2124-2133.	15.6	35
65	In situ structural evolution of the multi-site alloy electrocatalyst to manipulate the intermediate for enhanced water oxidation reaction. Energy and Environmental Science, 2020, 13, 2200-2208.	15.6	101
66	Salt-rich solid electrolyte interphase for safer high-energy-density Li metal batteries with limited Li excess. Chemical Communications, 2020, 56, 8257-8260.	2.2	22
67	Zincâ€“Organic Battery with a Wide Operationâ€Temperature Window from â^'70 to 150â€‰Â°C. Angewandte Chemie - International Edition, 2020, 59, 14577-14583.	7.2	158
68	Zincâ€“Organic Battery with a Wide Operationâ€Temperature Window from â^'70 to 150â€‰Â°C. Angewandte Chemie, 2020, 132, 14685-14691.	1.6	49
69	A Highâ€Rate and Longâ€Life Rechargeable Battery Operated at â^'75â€‰ o C. Batteries and Supercaps, 2020, 3, 1016-1020.	2.4	17
70	Lowâ€Temperature Charge/Discharge of Rechargeable Battery Realized by Intercalation Pseudocapacitive Behavior. Advanced Science, 2020, 7, 2000196.	5.6	82
71	Binding Zinc Ions by Carboxyl Groups from Adjacent Molecules toward Longâ€Life Aqueous Zincâ€“Organic Batteries. Advanced Materials, 2020, 32, e2000338.	11.1	215
72	Energizing hybrid supercapacitors by using Mn²⁺-based active electrolyte. Journal of Materials Chemistry A, 2020, 8, 15051-15057.	5.2	13

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73	Garnet-Based All-Ceramic Lithium Battery Enabled by Li2.985B0.005OCl Solder. IScience, 2020, 23, 101071.	1.9	23
74	Organic Cathode Materials for Rechargeable Zinc Batteries: Mechanisms, Challenges, and Perspectives. ChemSusChem, 2020, 13, 2160-2185.	3.6	121
75	Intercalation Pseudocapacitive Nanoscale Nickel Hexacyanoferrate@Carbon Nanotubes as a High-Rate Cathode Material for Aqueous Sodium-Ion Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 3655-3663.	3.2	39
76	An organic/inorganic electrode-based hydronium-ion battery. Nature Communications, 2020, 11, 959.	5.8	157
77	An aqueous manganeseâ€“lead battery for large-scale energy storage. Journal of Materials Chemistry A, 2020, 8, 5959-5967.	5.2	29
78	Organic-Inorganic-Induced Polymer Intercalation into Layered Composites for Aqueous Zinc-Ion Battery. CheM, 2020, 6, 968-984.	5.8	274
79	Highly Reversible Zn Anode Enabled by Controllable Formation of Nucleation Sites for Znâ€Based Batteries. Advanced Functional Materials, 2020, 30, 1908528.	7.8	523
80	Li/Garnet Interface Stabilization by Thermalâ€Decomposition Vapor Deposition of an Amorphous Carbon Layer. Angewandte Chemie - International Edition, 2020, 59, 5346-5349.	7.2	42
81	Using Na7V4(P2O7)4(PO4) with superior Na storage performance as bipolar electrodes to build a novel high-energy-density symmetric sodium-ion full battery. Journal of Power Sources, 2020, 451, 227734.	4.0	25
82	Solid-State Proton Battery Operated at Ultralow Temperature. ACS Energy Letters, 2020, 5, 685-691.	8.8	125
83	Liâ€“air Battery with a Superhydrophobic Li-Protective Layer. ACS Applied Materials & Interfaces, 2020, 12, 23010-23016.	4.0	33
84	A New Strategy of Constructing a Highly Fluorinated Solidâ€Electrolyte Interface towards Highâ€Performance Lithium Anode. Advanced Materials Interfaces, 2020, 7, 2000154.	1.9	18
85	Progress of Organic Electrodes in Aqueous Electrolyte for Energy Storage and Conversion. Angewandte Chemie - International Edition, 2020, 59, 18322-18333.	7.2	86
86	Progress of Organic Electrodes in Aqueous Electrolyte for Energy Storage and Conversion. Angewandte Chemie, 2020, 132, 18478-18489.	1.6	36
87	Coordinated mechanisms of leaves and roots in response to drought stress underlying full-length transcriptome profiling in Vicia sativa L. BMC Plant Biology, 2020, 20, 165.	1.6	27
88	Recent Advances in Polymer Electrolytes for Zinc Ion Batteries: Mechanisms, Properties, and Perspectives. Advanced Energy Materials, 2020, 10, 1903977.	10.2	309
89	Boosting Polysulfide Redox Kinetics by Grapheneâ€Supported Ni Nanoparticles with Carbon Coating. Advanced Energy Materials, 2020, 10, 2000907.	10.2	89
90	Robust Negative Electrode Materials Derived from Carbon Dots and Porous Hydrogels for Highâ€Performance Hybrid Supercapacitors. Advanced Materials, 2019, 31, e1806197.	11.1	194

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91	Genome-Wide Identification and Expression Profiling of theERFGene Family inMedicago sativaL. Under Various Abiotic Stresses. DNA and Cell Biology, 2019, 38, 1056-1068.	0.9	45
92	A versatile single-ion electrolyte with a Grotthuss-like Li conduction mechanism for dendrite-free Li metal batteries. Energy and Environmental Science, 2019, 12, 2741-2750.	15.6	89
93	An Al-doped high voltage cathode of Na₄Co₃(PO₄)₂P₂O₇ enabling highly stable 4 V full sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 18940-18949.	5.2	37
94	CNT-Decorated Na₄Mn₂Co(PO₄)₂P₂O₇ Microspheres as a Novel High-Voltage Cathode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 27813-27822.	4.0	44
95	Rose-like vanadium disulfide coated by hydrophilic hydroxyvanadium oxide with improved electrochemical performance as cathode material for aqueous zinc-ion batteries. Journal of Power Sources, 2019, 437, 226917.	4.0	63
96	Oxygen vacancies enhance the electrochemical performance of carbon-coated TiP2O7-y anode in aqueous lithium ion batteries. Electrochimica Acta, 2019, 320, 134555.	2.6	18
97	Catalytic Cathodes: A Highly Reversible Longâ€Life Liâ€“CO₂ Battery with a RuP₂â€Based Catalytic Cathode (Small 29/2019). Small, 2019, 15, 1970155.	5.2	2
98	An All-Solid-State Sodiumâ€“Sulfur Battery Using a Sulfur/Carbonized Polyacrylonitrile Composite Cathode. ACS Applied Energy Materials, 2019, 2, 5263-5271.	2.5	42
99	Hierarchical microâ^'nanostructured and Al3+â^'doped Li1.2Ni0.2Mn0.6O2 active materials with enhanced electrochemical properties as cathode materials for Liâ^'ion batteries. Scripta Materialia, 2019, 171, 47-51.	2.6	7
100	Positive Surface Pseudocapacitive Behaviorâ€Induced Fast and Large Liâ€ion Storage in Mesoporous LiMnPO₄@C Nanofibers. ChemSusChem, 2019, 12, 3817-3826.	3.6	18
101	Dual oxidation by hybrid electrode: Efficiency enhancement of direct hypophosphite fuel cell. Journal of Power Sources, 2019, 438, 226983.	4.0	4
102	Lithium ion storage in lithium titanium germanate. Nano Energy, 2019, 66, 104094.	8.2	15
103	Nano-Cu-embedded carbon for dendrite-free lithium metal anodes. Journal of Materials Chemistry A, 2019, 7, 22930-22938.	5.2	17
104	Dynamic visualization of the phase transformation path in LiFePO₄ during delithiation. Nanoscale, 2019, 11, 17557-17562.	2.8	12
105	Low-cost and high safe manganese-based aqueous battery for grid energy storage and conversion. Science Bulletin, 2019, 64, 1780-1787.	4.3	56
106	Organic Protonâ€Buffer Electrode to Separate Hydrogen and Oxygen Evolution in Acid Water Electrolysis. Angewandte Chemie, 2019, 131, 4670-4674.	1.6	35
107	Organic Protonâ€Buffer Electrode to Separate Hydrogen and Oxygen Evolution in Acid Water Electrolysis. Angewandte Chemie - International Edition, 2019, 58, 4622-4626.	7.2	56
108	Niobium-Doped Titanosilicate Sitinakite Anode with Low Working Potential and High Rate for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 4399-4405.	3.2	5

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109	Lithiophilic CuO Nanoflowers on Tiâ€Mesh Inducing Lithium Lateral Plating Enabling Stable Lithiumâ€Metal Anodes with Ultrahigh Rates and Ultralong Cycle Life. Advanced Energy Materials, 2019, 9, 1900853.	10.2	103
110	Building an Interfacial Framework: Li/Garnet Interface Stabilization through a Cu₆Sn₅ Layer. ACS Energy Letters, 2019, 4, 1725-1731.	8.8	71
111	All-polymer particulate slurry batteries. Nature Communications, 2019, 10, 2513.	5.8	91
112	van der Waals Epitaxial Growth and Interfacial Passivation of Two-Dimensional Single-Crystalline Few-Layer Gray Arsenic Nanoflakes. Chemistry of Materials, 2019, 31, 4524-4535.	3.2	41
113	Mixed valence CoCuMnOx spinel nanoparticles by sacrificial template method with enhanced ORR performance. Applied Surface Science, 2019, 487, 1145-1151.	3.1	75
114	EST-SSR marker development based on RNA-sequencing of E. sibiricus and its application for phylogenetic relationships analysis of seventeen Elymus species. BMC Plant Biology, 2019, 19, 235.	1.6	34
115	Li/Na Ion Intercalation Process into Sodium Titanosilicate as Anode Material. Batteries and Supercaps, 2019, 2, 867-873.	2.4	12
116	High-performance Li-ion capacitor based on black-TiO2-x/graphene aerogel anode and biomass-derived microporous carbon cathode. Nano Research, 2019, 12, 1713-1719.	5.8	64
117	Engineering a High-Energy-Density and Long Lifespan Aqueous Zinc Battery via Ammonium Vanadium Bronze. ACS Applied Materials & Interfaces, 2019, 11, 20796-20803.	4.0	75
118	A polar TiO/MWCNT coating on a separator significantly suppress the shuttle effect in a lithium-sulfur battery. Electrochimica Acta, 2019, 310, 1-12.	2.6	56
119	A novel aqueous Li⁺(or Na⁺)/Br^{â¯}hybrid-ion battery with super high areal capacity and energy density. Journal of Materials Chemistry A, 2019, 7, 13050-13059.	5.2	13
120	Improved electrochemical performance of high voltage cathode Na3V2(PO4)2F3 for Na-ion batteries through potassium doping. Journal of Alloys and Compounds, 2019, 790, 203-211.	2.8	60
121	A dendrite-free Li plating host towards high utilization of Li metal anode in Liâ€“O2 battery. Science Bulletin, 2019, 64, 478-484.	4.3	19
122	A Metal-Organic Framework Host for Highly Reversible Dendrite-free Zinc Metal Anodes. Joule, 2019, 3, 1289-1300.	11.7	672
123	Creating an Airâ€Stable Sulfurâ€Doped Black Phosphorusâ€TiO₂ Composite as Highâ€Performance Anode Material for Sodiumâ€Ion Storage. Advanced Functional Materials, 2019, 29, 1900535.	7.8	57
124	A few-layered MoS₂ nanosheets/nitrogen-doped graphene 3D aerogel as a high performance and long-term stability supercapacitor electrode. Nanoscale, 2019, 11, 4318-4327.	2.8	45
125	Dual Lithiophilic Structure for Uniform Li Deposition. ACS Applied Materials & Interfaces, 2019, 11, 10616-10623.	4.0	43
126	Transcriptome-Wide Characterization and Functional Identification of the Aquaporin Gene Family During Drought Stress in Common Vetch. DNA and Cell Biology, 2019, 38, 374-384.	0.9	10

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127	Highâ€Energy Rechargeable Metallic Lithium Battery at â^'70â€‰Â°C Enabled by a Cosolvent Electrolyte. Angewandte Chemie, 2019, 131, 5679-5683.	1.6	52
128	Highâ€Energy Rechargeable Metallic Lithium Battery at â^'70â€‰Â°C Enabled by a Cosolvent Electrolyte. Angewandte Chemie - International Edition, 2019, 58, 5623-5627.	7.2	217
129	Effects of organic solvents on morphologies, photoluminescence, and photocatalytic properties of ZnO nanostructures. Micro and Nano Letters, 2019, 14, 1146-1150.	0.6	5
130	Construction of the first high-density genetic linkage map and identification of seed yield-related QTLs and candidate genes in Elymus sibiricus, an important forage grass in Qinghai-Tibet Plateau. BMC Genomics, 2019, 20, 861.	1.2	12
131	Anchoring an Artificial Solidâ€“Electrolyte Interphase Layer on a 3D Current Collector for Highâ€Performance Lithium Anodes. Angewandte Chemie - International Edition, 2019, 58, 2093-2097.	7.2	89
132	Ultrafast and ultrastable high voltage cathode of Na2+2xFe2-x(SO4)3 microsphere scaffolded by graphene for sodium ion batteries. Electrochimica Acta, 2019, 296, 345-354.	2.6	15
133	Redoxâ€Mediatorâ€Enhanced Electrochemical Capacitors: Recent Advances and Future Perspectives. ChemSusChem, 2019, 12, 1118-1132.	3.6	67
134	Genome-wide identification and characterization of the aquaporin gene family in Medicago truncatula. Journal of Plant Biochemistry and Biotechnology, 2019, 28, 320-335.	0.9	16
135	Anchoring an Artificial Solidâ€“Electrolyte Interphase Layer on a 3D Current Collector for Highâ€Performance Lithium Anodes. Angewandte Chemie, 2019, 131, 2115-2119.	1.6	11
136	Ru nanosheet catalyst supported by three-dimensional nickel foam as a binder-free cathode for Liâ€“CO2 batteries. Electrochimica Acta, 2019, 299, 592-599.	2.6	55
137	A Highly Reversible Longâ€Life Liâ€“CO₂ Battery with a RuP₂â€Based Catalytic Cathode. Small, 2019, 15, e1803246.	5.2	80
138	Recent Progress of Rechargeable Batteries Using Mild Aqueous Electrolytes. Small Methods, 2019, 3, 1800272.	4.6	387
139	Hydrothermal twoâ€dimensionalisation to porous ZnCo 2 O 4 nanosheets nonâ€platinum ORR catalyst. Micro and Nano Letters, 2019, 14, 665-668.	0.6	2
140	Synergistic Effects of Salt Concentration and Working Temperature towards Dendrite-Free Lithium Deposition. Research, 2019, 2019, 7481319.	2.8	10
141	Environment-Friendly and Flexible Aqueous Zinc Battery Using an Organic Cathode. ECS Meeting Abstracts, 2019, , .	0.0	0
142	Organic Batteries Operated at â^'70Â°C. Joule, 2018, 2, 902-913.	11.7	289
143	A flexible polymer-based Liâ€“air battery using a reduced graphene oxide/Li composite anode. Journal of Materials Chemistry A, 2018, 6, 6022-6032.	5.2	59
144	Highly stable carbon coated Mg2Si intermetallic nanoparticles for lithium-ion battery anode. Journal of Power Sources, 2018, 384, 10-17.	4.0	26

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145	Strong Capillarity, Chemisorption, and Electrocatalytic Capability of Crisscrossed Nanostraws Enabled Flexible, High-Rate, and Long-Cycling Lithiumâ€“Sulfur Batteries. ACS Nano, 2018, 12, 4868-4876.	7.3	222
146	Integrating Desalination and Energy Storage using a Saltwaterâ€based Hybrid Sodiumâ€ion Supercapacitor. ChemSusChem, 2018, 11, 1741-1745.	3.6	40
147	High energy density hybrid lithium-ion capacitor enabled by Co3ZnC@N-doped carbon nanopolyhedra anode and microporous carbon cathode. Energy Storage Materials, 2018, 14, 246-252.	9.5	120
148	Ultrasmall TiO₂-Coated Reduced Graphene Oxide Composite as a High-Rate and Long-Cycle-Life Anode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 14818-14826.	4.0	54
149	A clean and membrane-free chlor-alkali process with decoupled Cl2 and H2/NaOH production. Nature Communications, 2018, 9, 438.	5.8	76
150	Decoupling Hydrogen and Oxygen Production in Acidic Water Electrolysis Using a Polytriphenylamineâ€Based Battery Electrode. Angewandte Chemie - International Edition, 2018, 57, 2904-2908.	7.2	86
151	Interface Engineering of Anchored Ultrathin TiO₂/MoS₂ Heterolayers for Highly-Efficient Electrochemical Hydrogen Production. ACS Applied Materials & Interfaces, 2018, 10, 6084-6089.	4.0	47
152	A high voltage cathode of Na_{2+2x}Fe_{2â€™x}(SO₄)₃intensively protected by nitrogen-doped graphene with improved electrochemical performance of sodium storage. Journal of Materials Chemistry A, 2018, 6, 4354-4364.	5.2	43
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