Xiao-Gang Zhang

List of Publications by Year in descending order

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433 papers	38,017 citations	2093 100 h-index	4203 174 g-index
438 all docs	438 docs citations	438 times ranked	28257 citing authors

#	Article	IF	Citations
1	Thermally Chargeable Proton Capacitor Based on Redoxâ€Active Effect for Energy Storage and Lowâ€Grade Heat Conversion. Energy and Environmental Materials, 2023, 6, .	7.3	4
2	Design strategies and research progress for Water-in-Salt electrolytes. Energy Storage Materials, 2022, 44, 10-28.	9.5	35
3	A Fast Protonâ€Induced Pseudocapacitive Supercapacitor with High Energy and Power Density. Advanced Functional Materials, 2022, 32, 2107720.	7.8	53
4	Heterostructure NiS2/NiCo2S4 nanosheets array on carbon nanotubes sponge electrode with high specific capacitance for supercapacitors. Journal of Power Sources, 2022, 518, 230763.	4.0	30
5	Hierarchical porous carbon derived from elm bark mucus for efficient energy storage and conversion. Materials Chemistry and Physics, 2022, 277, 125450.	2.0	2
6	3D Printed Multilayer Graphite@SiO Structural Anode for Highâ€Loading Lithiumâ€Ion Battery. Batteries and Supercaps, 2022, 5, .	2.4	5
7	Zinc ion thermal charging cell for low-grade heat conversion and energy storage. Nature Communications, 2022, 13, 132.	5.8	37
8	High-performance 2.5ÂV supercapacitor with high energy density and long cycling stability based on graphene coated oxygen-vacancy birnessite. Journal of Alloys and Compounds, 2022, 901, 163543.	2.8	5
9	Revisiting Charge Storage Mechanism of Reduced Graphene Oxide in Zinc Ion Hybrid Capacitor beyond the Contribution of Oxygenâ€Containing Groups. Advanced Functional Materials, 2022, 32, .	7.8	45
10	A Highâ€Voltage Lithiumâ€Metal Batteries Electrolyte Based on Fullyâ€Methylated Pivalonitrile. Batteries and Supercaps, 2022, 5, .	2.4	2
11	Revealing the multiple cathodic and anodic involved charge storage mechanism in an FeSe₂ cathode for aluminium-ion batteries by in situ magnetometry. Energy and Environmental Science, 2022, 15, 311-319.	15.6	53
12	A Facile Surface Passivation Method to Stabilized Lithium Metal Anodes Facilitate the Practical Application of Quasiâ€Solidâ€State Batteries. Advanced Materials Interfaces, 2022, 9, .	1.9	6
13	Thermally Chargeable Ammoniumâ€Ion Capacitor for Energy Storage and Lowâ€Grade Heat Harvesting. Batteries and Supercaps, 2022, 5, .	2.4	7
14	Three-Dimensional Cross-Linked Binder Based on Ionic Bonding for a High-Performance SiO_x Anode in Lithium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 4788-4795.	2.5	7
15	Vanadium nitride nanoparticles embedded in carbon matrix with pseudocapacitive behavior for high performance lithium-ion capacitors. Rare Metals, 2022, 41, 2460-2469.	3.6	22
16	A novel covalent organic framework with high-density imine groups for lithium storage as anode material in lithium-ion batteries. Journal of Materials Science, 2022, 57, 9980-9991.	1.7	18
17	Pore-Size-Dependent Capacitance and Charging Dynamics of Nanoporous Carbons in Aqueous Electrolytes. Journal of Physical Chemistry C, 2022, 126, 6854-6862.	1.5	17
18	MnO2/carbon nanotube free-standing electrode recycled from spent manganese-oxygen battery as high-performance supercapacitor material. Journal of Materials Science, 2022, 57, 8818-8827.	1.7	11

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19	Electrochemical Proton Storage: From Fundamental Understanding to Materials to Devices. Nano-Micro Letters, 2022, 14, .	14.4	24
20	Enhanced Reaction Kinetics of Nâ€“MnO₂ Nanosheets with Oxygen Vacancies via Mild NH₃Â·H₂O Bath Treatment for Advanced Aqueous Supercapacitors. ACS Applied Energy Materials, 2022, 5, 7490-7502.	2.5	12
21	Pencil Drawing Stable Interface for Reversible and Durable Aqueous Zincâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2006495.	7.8	153
22	Insight into the reversible conversionâ€“(de)incorporation of redox-active dopants within a polymer-based electrode. Chemical Communications, 2021, 57, 6780-6783.	2.2	2
23	Self-Standing Flexible N-Doped Graphene/CNTs Supported Spiral Low-Crystalline Ni(OH)2 Electrode with Ultra-Long Cycling Stability for Supercapacitors. Nano, 2021, 16, 2150013.	0.5	0
24	Conductive Metalâ€“Organic Framework for High Energy Sodium-Ion Hybrid Capacitors. ACS Applied Energy Materials, 2021, 4, 1568-1574.	2.5	25
25	Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2006629.	11.1	80
26	Deep Eutectic Solventâ€Induced Polyacrylonitrileâ€Derived Hierarchical Porous Carbon for Zincâ€Ion Hybrid Supercapacitors. Batteries and Supercaps, 2021, 4, 680-686.	2.4	10
27	Composite Electrolytes Based on Poly(Ethylene Oxide) and Lithium Borohydrides for All-Solid-State Lithiumâ€“Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 5396-5404.	3.2	33
28	Tailored Hierarchical Porous Carbon through Template Modification for Antifreezing Quasiâ€Solidâ€State Zinc Ion Hybrid Supercapacitors. Advanced Energy and Sustainability Research, 2021, 2, 2000112.	2.8	9
29	Lithium-sodium ion capacitors: A new type of hybrid supercapacitors with high energy density. Journal of Electroanalytical Chemistry, 2021, 888, 115202.	1.9	7
30	3D Printed Lithium-Metal Full Batteries Based on a High-Performance Three-Dimensional Anode Current Collector. ACS Applied Materials & Interfaces, 2021, 13, 24785-24794.	4.0	38
31	Stabilization of a 4.7â€…V Highâ€Voltage Nickelâ€Rich Layered Oxide Cathode for Lithiumâ€Ion Batteries through Boronâ€Based Surface Residual Lithiumâ€Tuned Interface Modification Engineering. ChemElectroChem, 2021, 8, 2014-2021.	1.7	11
32	Organosiliconâ€Based Functional Electrolytes for Highâ€Performance Lithium Batteries. Advanced Energy Materials, 2021, 11, 2101057.	10.2	26
33	A Thermally Chargeable Hybrid Supercapacitor with High Power Density for Directly Converting Heat to Electricity. ACS Applied Energy Materials, 2021, 4, 6055-6061.	2.5	11
34	Rational design of ZIF-8 assimilated hierarchical porous carbon nanofibers as binder-free electrodes for supercapacitors. Journal of Electroanalytical Chemistry, 2021, 895, 115471.	1.9	9
35	Regulation of SEI Formation by Anion Receptors to Achieve Ultraâ€Stable Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 19232-19240.	7.2	66
36	Regulation of SEI Formation by Anion Receptors to Achieve Ultraâ€Stable Lithiumâ€Metal Batteries. Angewandte Chemie, 2021, 133, 19381-19389.	1.6	13

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37	Electrospinning oxygen-vacant TiNb24O62 nanowires simultaneously boosts electrons and ions transmission capacities toward superior lithium storage. Electrochimica Acta, 2021, 388, 138656.	2.6	14
38	Self-standing manganese dioxide/graphene carbon nanotubes film electrode for symmetric supercapacitor with high energy density and superior long cycling stability. Ceramics International, 2021, 47, 33020-33020.	2.3	14
39	Serosa-Mimetic Nanoarchitecture Membranes for Highly Efficient Osmotic Energy Generation. Journal of the American Chemical Society, 2021, 143, 16206-16216.	6.6	70
40	High-Energy Density Aqueous Zincâ€“Iodine Batteries with Ultra-long Cycle Life Enabled by the ZnI₂ Additive. ACS Sustainable Chemistry and Engineering, 2021, 9, 13268-13276.	3.2	29
41	Using a copper hyperaccumulator to synthesize anode and cathode materials for a high-energy 4.1ÂV full-carbon lithium-ion capacitor. Journal of Electroanalytical Chemistry, 2021, 898, 115616.	1.9	2
42	Nb₃O₇F mesocrystals: orientation formation and application in lithium ion capacitors. CrystEngComm, 2021, 23, 6012-6022.	1.3	2
43	Polydopamine grafted cross-linked polyacrylamide as robust binder for SiO/C anode toward high-stability lithium-ion battery. Journal of Materials Science, 2021, 56, 6337-6348.	1.7	11
44	Phenyl-Modified Carbon Nitride Quantum Nanoflakes for Ultra-Highly Selective Sensing of Formic Acid: A Combined Experimental by QCM and Density Functional Theory Study. ACS Applied Materials & Interfaces, 2021, 13, 48595-48610.	4.0	22
45	Facile In Situ Cross-Linked Robust Three-Dimensional Binder for High-Performance SiO_x Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 49313-49321.	4.0	16
46	Charge Storage Mechanism of an Anthraquinone-Derived Porous Covalent Organic Framework with Multiredox Sites as Anode Material for Lithium-Ion Battery. ACS Applied Energy Materials, 2021, 4, 11377-11385.	2.5	31
47	Effects of binder content on low-cost solvent-free electrodes made by dry-spraying manufacturing for lithium-ion batteries. Journal of Power Sources, 2021, 515, 230644.	4.0	19
48	Stabilizing Li Plating by a Fluorinated Hybrid Protective Layer. ACS Applied Energy Materials, 2021, 4, 14407-14414.	2.5	3
49	Biomass-derived porous carbon electrodes for high-performance supercapacitors. Journal of Materials Science, 2020, 55, 5166-5176.	1.7	60
50	Cross-linked NiCo2O4 nanosheets with low crystallinity and rich oxygen vacancies for asymmetric supercapacitors. Journal of Alloys and Compounds, 2020, 822, 153689.	2.8	47
51	Self-supported TiN nanorod array/carbon textile as a lithium host that induces dendrite-free lithium plating with high rates and long cycle life. Journal of Materials Chemistry A, 2020, 8, 3293-3299.	5.2	5
52	Nanosheets assembled layered MoS2/MXene as high performance anode materials for potassium ion batteries. Journal of Power Sources, 2020, 449, 227481.	4.0	125
53	A novel porous organic polymer-derived hierarchical carbon for supercapacitors with ultrahigh energy density and durability. Journal of Electroanalytical Chemistry, 2020, 876, 114723.	1.9	14
54	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. Nano-Micro Letters, 2020, 12, 183.	14.4	45

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55	Encapsulating Oxygenâ€Deficient TiNb₂₄O₆₂ Microspheres by Nâ€Doped Carbon Nanolayer Boosts Capacity and Stability of Lithiumâ€Ion Battery. Batteries and Supercaps, 2020, 3, 1360-1369.	2.4	10
56	Solid-state lithiumâ€“sulfur batteries: Advances, challenges and perspectives. Materials Today, 2020, 40, 114-131.	8.3	100
57	Rational Design of a Piezoelectric BaTiO₃ Nanodot Surfaceâ€Modified LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ Cathode Material for Highâ€Rate Lithiumâ€Ion Batteries. ChemElectroChem, 2020, 7, 3646-3652.	1.7	15
58	Niobium Tungsten Oxide in a Green Water-in-Salt Electrolyte Enables Ultra-Stable Aqueous Lithium-Ion Capacitors. Nano-Micro Letters, 2020, 12, 168.	14.4	40
59	In Situ Tuning Residual Lithium Compounds and Constructing TiO₂ Coating for Surface Modification of a Nickel-Rich Cathode toward High-Energy Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 12423-12432.	2.5	26
60	Atomic Layer Deposition of Single Atomic Cobalt as a Catalytic Interlayer for Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 11206-11212.	2.5	25
61	Influence of electrolyte ions on rechargeable supercapacitor for high value-added conversion of low-grade waste heat. Journal of Power Sources, 2020, 465, 228263.	4.0	20
62	Lithium-ion capacitor based on nanoarchitectured polydopamine/graphene composite anode and porous graphene cathode. Carbon, 2020, 167, 627-633.	5.4	29
63	Aerosol-assisted preparation of N-doped hierarchical porous carbon spheres cathodes toward high-stable lithium-ion capacitors. Journal of Materials Science, 2020, 55, 13127-13140.	1.7	8
64	Tubular Graphene Nano-Scroll Coated Silicon for High Rate Performance Lithium-Ion Battery. Frontiers in Energy Research, 2020, 8, .	1.2	6
65	Progress on zinc ion hybrid supercapacitors: Insights and challenges. Energy Storage Materials, 2020, 31, 252-266.	9.5	141
66	Sodiumâ€ion capacitors: Materials, Mechanism, and Challenges. ChemSusChem, 2020, 13, 2522-2539.	3.6	90
67	Bacterial cellulose-derived carbon nanofibers as both anode and cathode for hybrid sodium ion capacitor. RSC Advances, 2020, 10, 7780-7790.	1.7	25
68	Hierarchical N-doped hollow carbon microspheres as advanced materials for high-performance lithium-ion capacitors. Journal of Materials Chemistry A, 2020, 8, 3956-3966.	5.2	58
69	3D Printed Highâ€Loading Lithiumâ€Sulfur Battery Toward Wearable Energy Storage. Advanced Functional Materials, 2020, 30, 1909469.	7.8	81
70	Flexible and anti-freezing quasi-solid-state zinc ion hybrid supercapacitors based on pencil shavings derived porous carbon. Energy Storage Materials, 2020, 28, 307-314.	9.5	279
71	Defect-rich and N-doped hard carbon as a sustainable anode for high-energy lithium-ion capacitors. Journal of Colloid and Interface Science, 2020, 567, 75-83.	5.0	58
72	Efficient Synthesis of N-Doped SiO_x/C Composite Based on the Defect-Enriched Graphite Flake for Lithium-Ion Battery. ACS Applied Energy Materials, 2020, 3, 4394-4402.	2.5	30

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73	Lithiophilic polymer interphase anchored on laser-punched 3D holey Cu matrix enables uniform lithium nucleation leading to super-stable lithium metal anodes. Energy Storage Materials, 2020, 29, 84-91.	9.5	64
74	Metal-free energy storage systems: combining batteries with capacitors based on a methylene blue functionalized graphene cathode. Journal of Materials Chemistry A, 2019, 7, 19668-19675.	5.2	138
75	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. ACS Nano, 2019, 13, 9511-9519.	7.3	48
76	Solid/Solid Interfacial Architecturing of Solid Polymer Electrolyteâ€“Based Allâ€Solidâ€State Lithiumâ€“Sulfur Batteries by Atomic Layer Deposition. Small, 2019, 15, e1903952.	5.2	62
77	Rocking-chair Na-ion hybrid capacitor: a high energy/power system based on Na₃V₂O₂(PO₄)₂F@PEDOT coreâ€“shell nanorods. Journal of Materials Chemistry A, 2019, 7, 1030-1037.	5.2	56
78	Successive Cationic and Anionic (De)â€Intercalation/ Incorporation into an Ionâ€Doped Radical Conducting Polymer. Batteries and Supercaps, 2019, 2, 979-984.	2.4	4
79	Two Ï€â€Conjugated Covalent Organic Frameworks with Longâ€Term Cyclability at High Current Density for Lithium Ion Battery. Chemistry - A European Journal, 2019, 25, 15472-15476.	1.7	31
80	Free-standing N,Co-codoped TiO₂ nanoparticles for LiO₂-based Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2019, 7, 23046-23054.	5.2	24
81	RbF as a Dendrite-Inhibiting Additive in Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 20804-20811.	4.0	48
82	Catalytic Growth of Graphitic Carbonâ€Coated Silicon as Highâ€Performance Anodes for Lithium Storage. Energy Technology, 2019, 7, 1900502.	1.8	5
83	Dual Dopamine Derived Polydopamine Coated Nâ€Doped Porous Carbon Spheres as a Sulfur Host for Highâ€Performance Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2019, 25, 10710-10717.	1.7	22
84	Pseudocapacitive T-Nb2O5/N-doped carbon nanosheets anode enable high performance lithium-ion capacitors. Journal of Electroanalytical Chemistry, 2019, 842, 82-88.	1.9	33
85	An aqueous rechargeable sodiumâ^magnesium mixed ion battery based on NaTi2(PO4)3â€“MnO2 system. Electrochimica Acta, 2019, 311, 1-7.	2.6	26
86	Ultra-fast NH4+ Storage: Strong H Bonding between NH4+ and Bi-layered V2O5. CheM, 2019, 5, 1537-1551.	5.8	207
87	Engineering Ultrathin MoS₂ Nanosheets Anchored on Nâ€Doped Carbon Microspheres with Pseudocapacitive Properties for Highâ€Performance Lithiumâ€Ion Capacitors. Small Methods, 2019, 3, 1900081.	4.6	96
88	Compressed and Crumpled Porous Carbon Electrode for High Volumetric Performance Electrical Doubleâ€Layer Capacitors. Energy Technology, 2019, 7, 1900209.	1.8	9
89	A Heavily Surface-Doped Polymer with the Bifunctional Catalytic Mechanism in Li-O2 Batteries. IScience, 2019, 14, 312-322.	1.9	11
90	A novel aqueous ammonium dual-ion battery based on organic polymers. Journal of Materials Chemistry A, 2019, 7, 11314-11320.	5.2	99

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91	Honeycombed NiCo2O4 nanosheets grown on the sponge of a carbon nanotube/graphene prepared by the flame burning method with an advanced performance as a supercapacitor. Journal of Alloys and Compounds, 2019, 787, 36-44.	2.8	16
92	Nitrogen and oxygen co-doping carbon microspheres by a sustainable route for fast sodium-ion batteries. Electrochimica Acta, 2019, 303, 140-147.	2.6	41
93	Scalable synthesis of holey graphite nanosheets for supercapacitors with high volumetric capacitance. Nanoscale Horizons, 2019, 4, 526-530.	4.1	32
94	Oxygen-enriched crumpled graphene-based symmetric supercapacitor with high gravimetric and volumetric performances. Journal of Electroanalytical Chemistry, 2019, 833, 119-125.	1.9	21
95	Nanoâ€sized Titanium Nitride Functionalized Separator Improves Cycling Performance of Lithium Sulfur Batteries. ChemistrySelect, 2019, 4, 698-704.	0.7	19
96	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. ACS Applied Energy Materials, 2018, 1, 948-955.	2.5	12
97	High energy aqueous sodium-ion capacitor enabled by polyimide electrode and high-concentrated electrolyte. Electrochimica Acta, 2018, 268, 512-519.	2.6	46
98	Novel Potassium-Ion Hybrid Capacitor Based on an Anode of K₂Ti₆O₁₃ Microscaffolds. ACS Applied Materials & Interfaces, 2018, 10, 15542-15547.	4.0	209
99	Sodium-rich iron hexacyanoferrate with nickel doping as a high performance cathode for aqueous sodium ion batteries. Journal of Electroanalytical Chemistry, 2018, 818, 10-18.	1.9	42
100	Selfâ€Templateâ€Directed Metalâ€“Organic Frameworks Network and the Derived Honeycombâ€Like Carbon Flakes via Confinement Pyrolysis. Small, 2018, 14, e1704461.	5.2	44
101	Boron and nitrogen dual-doped carbon as a novel cathode for high performance hybrid ion capacitors. Chinese Chemical Letters, 2018, 29, 624-628.	4.8	28
102	Monodisperse Metallic NiCoSe₂ Hollow Subâ€Microspheres: Formation Process, Intrinsic Chargeâ€Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors. Advanced Functional Materials, 2018, 28, 1705921.	7.8	214
103	Confined Selfâ€Assembly in Twoâ€Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with Inâ€Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. Angewandte Chemie - International Edition, 2018, 57, 2894-2898.	7.2	235
104	Nasicon-Type Surface Functional Modification in Coreâ€“Shell LiNi_{0.5}Mn_{0.3}Co_{0.2}O₂@NaTi₂(PO₄)₃ Cathode Enhances Its High-Voltage Cycling Stability and Rate Capacity toward Li-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 5498-5510.	4.0	145
105	Highâ€Voltage Li₂SiO₃â^'LiNi_{0.5}Mn_{1.5}O₄ Hollow Spheres Prepared through In Situ Aerosol Spray Pyrolysis towards Highâ€Energy Liâ€Ion Batteries. ChemElectroChem, 2018, 5, 1212-1218.	1.7	19
106	A functional interlayer as a polysulfides blocking layer for high-performance lithiumâ€“sulfur batteries. New Journal of Chemistry, 2018, 42, 1431-1436.	1.4	39
107	A sustainable route from corn stalks to N, P-dual doping carbon sheets toward high performance sodium-ion batteries anode. Carbon, 2018, 130, 664-671.	5.4	123
108	Hierarchically Porous Multilayered Carbon Barriers for Highâ€Performance Liâ€“S Batteries. Chemistry - A European Journal, 2018, 24, 3768-3775.	1.7	43

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109	Facile synthesis of layered Li4Ti5O12-Ti3C2Tx (MXene) composite for high-performance lithium ion battery. Journal of Electroanalytical Chemistry, 2018, 810, 27-33.	1.9	41
110	Layer-by-layer self-assembled two-dimensional MXene/layered double hydroxide composites as cathode for alkaline hybrid batteries. Journal of Power Sources, 2018, 390, 208-214.	4.0	56
111	Template-induced self-activation route for nitrogen-doped hierarchically porous carbon spheres for electric double layer capacitors. Carbon, 2018, 136, 204-210.	5.4	61
112	High Performance Aqueous Sodiumâ€ion Capacitors Enabled by Pseudocapacitance of Layered MnO₂. Energy Technology, 2018, 6, 2146-2153.	1.8	32
113	Metalâ€“organic framework derived titanium-based anode materials for lithium ion batteries. Nano Structures Nano Objects, 2018, 15, 48-53.	1.9	21
114	Photoreceptor Cell Injury Starts in the Initial Stage of Vogtâ€“Koyanagiâ€“Harada Disease. Ocular Immunology and Inflammation, 2018, 26, 934-942.	1.0	5
115	Li₄Ti₅O₁₂ Anode: Structural Design from Material to Electrode and the Construction of Energy Storage Devices. Chemical Record, 2018, 18, 350-380.	2.9	31
116	2D MXene/SnS2 composites as high-performance anodes for sodium ion batteries. Chemical Engineering Journal, 2018, 334, 932-938.	6.6	230
117	Surface-functionalized graphene-based quasi-solid-state Na-ion hybrid capacitors with excellent performance. Energy Storage Materials, 2018, 11, 8-15.	9.5	60
118	Progress of Nanostructured Electrode Materials for Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700110.	2.7	87
119	Aerosolâ€Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. Small Methods, 2018, 2, 1700272.	4.6	48
120	Graphene scrolls coated Sb2S3 nanowires as anodes for sodium and lithium ion batteries. Nano Structures Nano Objects, 2018, 15, 197-204.	1.9	12
121	Honeycomb-like NiCo2O4@Ni(OH)2 supported on 3D Nâ^'doped graphene/carbon nanotubes sponge as an high performance electrode for Supercapacitor. Ceramics International, 2018, 44, 3113-3121.	2.3	38
122	Association Between Folic Acid Supplementation and Retinal Atherosclerosis in Chinese Adults With Hypertension Complicated by Diabetes Mellitus. Frontiers in Pharmacology, 2018, 9, 1159.	1.6	6
123	Applications of Conventional Vibrational Spectroscopic Methods for Batteries Beyond Liâ€ion. Small Methods, 2018, 2, 1700332.	4.6	33
124	Superlithiated Polydopamine Derivative for High-Capacity and High-Rate Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 38101-38108.	4.0	59
125	Enhanced Cycle Performance of Polyimide Cathode Using a Quasi-Solid-State Electrolyte. Journal of Physical Chemistry C, 2018, 122, 22294-22300.	1.5	30
126	Insights on the Proton Insertion Mechanism in the Electrode of Hexagonal Tungsten Oxide Hydrate. Journal of the American Chemical Society, 2018, 140, 11556-11559.	6.6	128

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127	Graphene Caging Silicon Particles for Highâ€Performance Lithiumâ€Ion Batteries. Small, 2018, 14, e1800635.	5.2	146
128	TiN modified NaTi2(PO4)3 as an anode material for aqueous sodium ion batteries. Chemical Engineering Journal, 2018, 353, 814-823.	6.6	52
129	MXene debris modified eggshell membrane as separator for high-performance lithium-sulfur batteries. Chemical Engineering Journal, 2018, 352, 695-703.	6.6	100
130	Structure-designed synthesis of yolkâ€“shell hollow ZnFe₂O₄/C@N-doped carbon sub-microspheres as a competitive anode for high-performance Li-ion batteries. Journal of Materials Chemistry A, 2018, 6, 17947-17958.	5.2	48
131	Ammonia, a Switch for Controlling High Ionic Conductivity in Lithium Borohydride Ammoniates. Joule, 2018, 2, 1522-1533.	11.7	87
132	Nitrogenated Urchinâ€like Nb₂O₅ Microspheres with Extraordinary Pseudocapacitive Properties for Lithiumâ€Ion Capacitors. ChemElectroChem, 2018, 5, 1516-1524.	1.7	36
133	Highâ€Voltage LiNi_{0.45}Cr_{0.1}Mn_{1.45}O₄ Cathode with Superlong Cycle Performance for Wide Temperature Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1704808.	7.8	91
134	Uniform Hollow Mesoporous Nickel Cobalt Sulfide Microdumbbells: A Competitive Electrode with Exceptional Gravimetric/Volumetric Pseudocapacitance for Highâ€Energyâ€Density Hybrid Superapacitors. Advanced Electronic Materials, 2017, 3, 1600322.	2.6	38
135	Self-supported electrodes of Na₂Ti₃O₇ nanoribbon array/graphene foam and graphene foam for quasi-solid-state Na-ion capacitors. Journal of Materials Chemistry A, 2017, 5, 5806-5812.	5.2	48
136	3D nitrogen-doped carbon foam supported Ge@C composite as anode for high performance lithium-ion battery. Chemical Engineering Journal, 2017, 322, 188-195.	6.6	33
137	Preparation and electrochemical performances of graphene/polypyrrole nanocomposite with anthraquinone-graphene oxide as active oxidant. Carbon, 2017, 119, 111-118.	5.4	80
138	Raspberry-like Nanostructured Silicon Composite Anode for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 18766-18773.	4.0	65
139	Mesoporous Silicon Anodes by Using Polybenzimidazole Derived Pyrrolic N-Enriched Carbon toward High-Energy Li-Ion Batteries. ACS Energy Letters, 2017, 2, 1279-1287.	8.8	122
140	Conductive graphene oxide-polyacrylic acid (GOPAA) binder for lithium-sulfur battery. Nano Energy, 2017, 31, 568-574.	8.2	147
141	Exploring metal organic frameworks for energy storage in batteries and supercapacitors. Materials Today, 2017, 20, 191-209.	8.3	402
142	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 20306-20312.	4.0	96
143	Hierarchical porous carbons with layer-by-layer motif architectures from confined soft-template self-assembly in layered materials. Nature Communications, 2017, 8, 15717.	5.8	263
144	An Allâ€Stretchableâ€Component Sodiumâ€Ion Full Battery. Advanced Materials, 2017, 29, 1700898.	11.1	141

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145	Bacterial-cellulose-derived interconnected meso-microporous carbon nanofiber networks as binder-free electrodes for high-performance supercapacitors. Journal of Power Sources, 2017, 352, 34-41.	4.0	128
146	MoS₂â€Nanosheetâ€Decorated 2D Titanium Carbide (MXene) as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 1560-1565.	1.7	123
147	Highly Conductive and Lightweight Composite Film as Polysulfide Reservoir for Highâ€Performance Lithiumâ€“Sulfur Batteries. ChemElectroChem, 2017, 4, 362-368.	1.7	31
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