Zhen-Bo Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

256 papers	12,228 citations	23544 58 h-index	37183 96 g-index
257 all docs	257 docs citations	257 times ranked	11770 citing authors

#	Article	IF	Citations
1	Understanding Li roles in chemical reversibility of O2-type Li-rich layered cathode materials. Journal of Energy Chemistry, 2022, 66, 666-675.	7.1	13
2	Trigger Na+-solvent co-intercalation to achieve high-performance sodium-ion batteries at subzero temperature. Chemical Engineering Journal, 2022, 430, 132750.	6.6	13
3	Suppressed phase separation in spinel LiNi0.5Mn1.5O4 cathode via interstitial sites modulation. Nano Energy, 2022, 91, 106636.	8.2	24
4	Zinc/graphitic carbon nitride co-mediated dual-template synthesis of densely populated Feâ€“N_x-embedded 2D carbon nanosheets towards oxygen reduction reactions for Znâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 5971-5980.	5.2	12
5	Advanced Support Materials and Interactions for Atomically Dispersed Nobleâ€Metal Catalysts: From Support Effects to Design Strategies. Advanced Energy Materials, 2022, 12, 2102556.	10.2	78
6	Vacuum vapor migration strategy for atomâ€“nanoparticle composite catalysts boosting bifunctional oxygen catalysis and rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 3112-3121.	5.2	17
7	Coupling fine Pt nanoparticles and Co-Nx moiety as a synergistic bi-active site catalyst for oxygen reduction reaction in acid media. Journal of Colloid and Interface Science, 2022, 613, 276-284.	5.0	16
8	Nickel ferrocyanides for aqueous ammonium ion batteries. Inorganic Chemistry Frontiers, 2022, 9, 2001-2010.	3.0	15
9	Silica and nitrogen-doped carbon co-coated lithium manganese iron phosphate microspheres as cathode materials for lithium batteries. Canadian Journal of Chemistry, 2022, 100, 353-359.	0.6	1
10	MnO2 depositing on the surface of hollow porous carbon microspheres for supercapacitor application. Ceramics International, 2022, 48, 10533-10538.	2.3	5
11	Effect of UV light polymerization time on the properties of plastic crystal composite polyacrylate polymer electrolyte for all solidâ€state lithiumâ€ion batteries. Journal of Applied Polymer Science, 2022, 139, .	1.3	6
12	Materials Engineering toward Durable Electrocatalysts for Proton Exchange Membrane Fuel Cells. Advanced Energy Materials, 2022, 12, .	10.2	61
13	Preparation and electrochemical properties of natural spherical graphite materials coated with manganese chloride. Ionics, 2022, 28, 3187-3195.	1.2	1
14	Galvanic replacement mediated synthesis of Pd-Cu Alloy Nanospheres as Electrocatalysts for Formic Acid Oxidation. Materials Today Sustainability, 2022, , 100140.	1.9	5
15	A dual-confined lithium nucleation and growth design enables dendrite-free lithium metal batteries. Journal of Materials Chemistry A, 2022, 10, 11659-11666.	5.2	6
16	Reducing atmosphere improves the conductivity of NaTi2(PO4)3/C material for hybrid aqueous rechargeable lithium-ion battery anode. Ceramics International, 2022, 48, 26408-26415.	2.3	2
17	Improving the electrical conductivity and electrochemical performance of LiMn2O4 by Sm gaseous penetration technology. Applied Surface Science, 2022, 599, 153923.	3.1	6
18	Tailoring Nitrogen Terminals on MXene Enables Fast Charging and Stable Cycling Na-Ion Batteries at Low Temperature. Nano-Micro Letters, 2022, 14, .	14.4	28

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19	Intercalation-pseudocapacitance hybrid anode for high rate and energy lithium-ion capacitors. Journal of Energy Chemistry, 2021, 55, 459-467.	7.1	26
20	In-situ surface chemical and structural self-reconstruction strategy enables high performance of Li-rich cathode. Nano Energy, 2021, 79, 105459.	8.2	53
21	Boosting ion/eâ^' transfer of Ti3C2 via interlayered and interfacial co-modification for high-performance Li-ion capacitors. Chemical Engineering Journal, 2021, 404, 127116.	6.6	32
22	Selfâ€Templated Hierarchically Porous Carbon Nanorods Embedded with Atomic Feâ€N₄ Active Sites as Efficient Oxygen Reduction Electrocatalysts in Znâ€Air Batteries. Advanced Functional Materials, 2021, 31, 2008085.	7.8	117
23	Soft X-ray Ptychography Chemical Imaging of Degradation in a Composite Surface-Reconstructed Li-Rich Cathode. ACS Nano, 2021, 15, 1475-1485.	7.3	40
24	Cu3(PO4)2: Novel Anion Convertor for Aqueous Dual-Ion Battery. Nano-Micro Letters, 2021, 13, 41.	14.4	26
25	Interface crystal domain regulation via TiO2 surface modification enhancing stability of layered LiNi0.5Co0.2Mn0.3O2 for lithium-ion batteries. Ionics, 2021, 27, 1871-1880.	1.2	2
26	Enhanced Potassium Storage Performance for K-Te Batteries via Electrode Design and Electrolyte Salt Chemistry. ACS Applied Materials & Interfaces, 2021, 13, 16345-16354.	4.0	17
27	A Gasâ€Phase Migration Strategy to Synthesize Atomically Dispersed Mnâ€Nâ€C Catalysts for Znâ€“Air Batteries. Small Methods, 2021, 5, e2100024.	4.6	44
28	High-stability Mnâ€“Coâ€“Ni ternary metal oxide microspheres as conversion-type anodes for sodium-ion batteries. Ceramics International, 2021, 47, 17540-17549.	2.3	7
29	In situ functionally utilize surface residual lithium of Co-free Li-rich layered oxides. Ionics, 2021, 27, 3837-3846.	1.2	3
30	Achieving fast and durable alkali-ion storage by designing gradient interface with low charge transfer barrier. Nano Energy, 2021, 85, 106022.	8.2	3
31	Absence of a Relationship between Surface Conductivity and Electrochemical Rates: Redox-Active Monolayers on Si(211), Si(111), and Si(110). Journal of Physical Chemistry C, 2021, 125, 18197-18203.	1.5	11
32	The Nature of the Ultrahigh Initial Coulombic Efficiency of Ni₂Fe(CN)₆ in Aqueous Ammonium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 9594-9599.	2.5	22
33	How to appropriately assess the oxygen reduction reaction activity of platinum group metal catalysts with rotating disk electrode. IScience, 2021, 24, 103024.	1.9	33
34	Preparation of BiFeO3 and its photoelectric performance as photoanode of DSSC. Ceramics International, 2021, 47, 27565-27570.	2.3	9
35	Revealing the Thermodynamics and Kinetics of In-Plane Disordered Li₂MnO₃ Structure in Li-Rich Cathodes. ACS Energy Letters, 2021, 6, 3836-3843.	8.8	32
36	3D Nano-heterostructure of ZnMn₂O₄@Graphene-Carbon Microtubes for High-Performance Li-Ion Capacitors. ACS Applied Materials & Interfaces, 2021, 13, 52542-52548.	4.0	9

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37	Recent advances in highâ€loading catalysts for lowâ€temperature fuel cells: From nanoparticle to single atom. SusMat, 2021, 1, 569-592.	7.8	35
38	Fabrication of C@Mo Ti1â^'O2â^'Î´ nanocrystalline with functionalized interface as efficient and robust PtRu catalyst support for methanol electrooxidation. Journal of Energy Chemistry, 2020, 40, 7-14.	7.1	11
39	Crystallization evoked surface defects in layered titanates for high-performance sodium storage. Energy Storage Materials, 2020, 25, 537-546.	9.5	14
40	Surface modification by fluorine doping to increase discharge capacity of Li1.2Ni0.2Mn0.6O2 cathode materials. Ionics, 2020, 26, 151-161.	1.2	25
41	Correlative imaging of ionic transport and electronic structure in nano Li_{0.5}FePO₄ electrodes. Chemical Communications, 2020, 56, 984-987.	2.2	7
42	The journey of lithium ions in the lattice of PNb₉O₂₅. Materials Chemistry Frontiers, 2020, 4, 631-637.	3.2	15
43	A sponge-templated sandwich-like cobalt-embedded nitrogen-doped carbon polyhedron/graphene composite as a highly efficient catalyst for Znâ€“air batteries. Nanoscale, 2020, 12, 973-982.	2.8	74
44	Dehydration-triggered electronic structure modulation enables high-performance quasi-solid-state Li-ion capacitors. Chemical Engineering Journal, 2020, 392, 123795.	6.6	4
45	Facile synthesis of flower-like dual-metal (Co/Zn) MOF-derived 3D porous Co@Co-NPC as reversible oxygen electrocatalyst for rechargeable zinc-air batteries. Ionics, 2020, 26, 1913-1922.	1.2	24
46	Nitrogen doped carbon coated Mo modified TiO2 nanowires (NC@MTNWs-FI) with functionalized interfacial as advanced PtRu catalyst support for methanol electrooxidation. Electrochimica Acta, 2020, 331, 135410.	2.6	10
47	Fabrication and theoretical investigation of cobaltosic sulfide nanosheets for flexible aqueous Zn/Co batteries. Nano Energy, 2020, 68, 104314.	8.2	51
48	Enhancing Na-Ion Storage at Subzero Temperature via Interlayer Confinement of Sn²⁺. ACS Nano, 2020, 14, 13765-13774.	7.3	22
49	Enhancing metalâ€“support interaction by in situ ion-exchanging strategy for high performance Pt catalysts in hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 16582-16589.	5.2	22
50	Pseudocapacitive Crystalline MnCo₂O_{4.5} and Amorphous MnCo₂S₄ Core/Shell Heterostructure with Graphene for High-Performance K-Ion Hybrid Capacitors. ACS Applied Materials & Interfaces, 2020, 12, 54773-54781.	4.0	29
51	Effects of Small Molecule Interlayer Engineering in Vanadium Oxide for Zinc Ion Battery. ChemistrySelect, 2020, 5, 8951-8958.	0.7	10
52	Single-site pyrrolic-nitrogen-doped sp2-hybridized carbon materials and their pseudocapacitance. Nature Communications, 2020, 11, 3884.	5.8	152
53	High-performance ternary metal oxide anodes for lithium storage. Ceramics International, 2020, 46, 28914-28921.	2.3	4
54	Effect of polytetrafluoroethylene (PTFE) in current collecting layer on the performance of zinc-air battery. Progress in Natural Science: Materials International, 2020, 30, 861-867.	1.8	6

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55	Advanced non-noble materials in bifunctional catalysts for ORR and OER toward aqueous metalâ€“air batteries. Nanoscale, 2020, 12, 21534-21559.	2.8	91
56	Materializing efficient methanol oxidation via electron delocalization in nickel hydroxide nanoribbon. Nature Communications, 2020, 11, 4647.	5.8	117
57	Engineering sulphur vacancy in VS₂ as high performing zinc-ion batteries with high cyclic stability. New Journal of Chemistry, 2020, 44, 15951-15957.	1.4	23
58	Metal-free amino acid glycine-derived nitrogen-doped carbon aerogel with superhigh surface area for highly efficient Zn-Air batteries. Carbon, 2020, 167, 75-84.	5.4	43
59	Interfacial and Electronic Modulation via Localized Sulfurization for Boosting Lithium Storage Kinetics. Advanced Materials, 2020, 32, e2000151.	11.1	98
60	A simple one-step molten salt method for synthesis of micron-sized single primary particle LiNi0.8Co0.1Mn0.1O2 cathode material for lithium-ion batteries. Ionics, 2020, 26, 1635-1643.	1.2	25
61	Template-guided synthesis of Co nanoparticles embedded in hollow nitrogen doped carbon tubes as a highly efficient catalyst for rechargeable Zn-air batteries. Nano Energy, 2020, 71, 104592.	8.2	157
62	Enhanced VRLA deep cycling performance via lattice modification using Bi doping. Ionics, 2020, 26, 3989-3995.	1.2	1
63	Boosted electrochemical performance of LiNi0.5Mn1.5O4 via synergistic modification of Li+-Conductive Li2ZrO3 coating layer and superficial Zr-doping. Electrochimica Acta, 2020, 343, 136105.	2.6	36
64	Advanced deformable all-in-one hydrogel supercapacitor based on conducting polymer: Toward integrated mechanical and capacitive performance. Journal of Alloys and Compounds, 2019, 805, 1044-1051.	2.8	71
65	Biology-inspired polydopamine-assisted strategy for high-performance supercapacitor. Chemical Engineering Journal, 2019, 375, 122056.	6.6	27
66	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN₄ Sites for Oxygen Reduction. Angewandte Chemie, 2019, 131, 19147-19156.	1.6	57
67	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN₄ Sites for Oxygen Reduction. Angewandte Chemie - International Edition, 2019, 58, 18971-18980.	7.2	362
68	Core-shell structure LiNi1/3Mn1/3Co1/3O2@ ultrathin Î´-MnO2 nanoflakes cathode material with high electrochemical performance for lithium-ion batteries. Ionics, 2019, 25, 5249-5258.	1.2	3
69	Hollow-sphere iron oxides exhibiting enhanced cycling performance as lithium-ion battery anodes. Chemical Communications, 2019, 55, 11638-11641.	2.2	12
70	Local electronic structure modulation enhances operating voltage in Li-rich cathodes. Nano Energy, 2019, 66, 104102.	8.2	87
71	Spinel (Ni0.4Co0.4Mn0.2)3O4 nanoparticles as conversion-type anodes for Li- and Na-ion batteries. Ceramics International, 2019, 45, 7552-7559.	2.3	17
72	Phosphotungstic acid immobilized nanofibers-Nafion composite membrane with low vanadium permeability and high selectivity for vanadium redox flow battery. Journal of Colloid and Interface Science, 2019, 542, 177-186.	5.0	39

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73	Ultrathin Graphitic Carbon Coated Molybdenum Phosphide as Nobleâ€Metalâ€Free Electrocatalyst for Hydrogen Evolution. ChemistrySelect, 2019, 4, 846-852.	0.7	5
74	A highly proton-/vanadium-selective perfluorosulfonic acid membrane for vanadium redox flow batteries. New Journal of Chemistry, 2019, 43, 11374-11381.	1.4	18
75	Simple Water Treatment Strategy To Optimize the Li₂MnO₃ Activation of Lithium-Rich Cathode Materials. ACS Sustainable Chemistry and Engineering, 2019, 7, 12825-12837.	3.2	29
76	Interface Functionalized Mo_xTi_{1â€“x}O_{2â^Î´} Composite via a Postgrowth Modification Approach as High Performance PtRu Catalyst Support for Methanol Electrooxidation. ACS Applied Energy Materials, 2019, 2, 4882-4889.	2.5	3
77	A Collaboration of Surface Protection and Bulk Doping for Highâ€performance Liâ€rich Cathode Materials. ChemistrySelect, 2019, 4, 6256-6264.	0.7	3
78	Hierarchical CoP3/NiMoO4 heterostructures on Ni foam as an efficient bifunctional electrocatalyst for overall water splitting. Ceramics International, 2019, 45, 17128-17136.	2.3	40
79	Ultraâ€High Ion Selectivity of a Modified Nafion Composite Membrane for Vanadium Redox Flow Battery by Incorporation of Phosphotungstic Acid Coupled UiOâ€66â€NH₂. ChemistrySelect, 2019, 4, 4633-4641.	0.7	27
80	Co-regulating the surface and bulk structure of Li-rich layered oxides by a phosphor doping strategy for high-energy Li-ion batteries. Journal of Materials Chemistry A, 2019, 7, 8302-8314.	5.2	56
81	Hierarchical Heterostructured Mo₂C/Mo₃Co₃C Bouquet-like Nanowire Arrays: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 7294-7303.	3.2	41
82	Dual conductive surface engineering of Li-Rich oxides cathode for superior high-energy-density Li-Ion batteries. Nano Energy, 2019, 59, 527-536.	8.2	88
83	Compositing SrLi2Ti6O14 with chemical deposited silver for enhancing lithium ion storage. Ceramics International, 2019, 45, 6885-6890.	2.3	3
84	Carbonâ€Coated and Interfacialâ€Functionalized Mixedâ€Phase Mo x Ti 1â^' x O 2â€Î´ Nanotubes as Highly Active and Durable PtRu Catalyst Support for Methanol Electrooxidation. Chemistry - an Asian Journal, 2019, 14, 1549-1556.	1.7	2
85	High energy and power lithium-ion capacitors based on Mn3O4/3D-graphene as anode and activated polyaniline-derived carbon nanorods as cathode. Chemical Engineering Journal, 2019, 370, 1485-1492.	6.6	86
86	Improving Electrochemical Performance of High-Voltage Spinel LiNi_{0.5}Mn_{1.5}O₄ Cathode by Cobalt Surface Modification. ACS Applied Energy Materials, 2019, 2, 2982-2989.	2.5	23
87	Controlling the surface roughness of chain-like Pd nanowires by pH values as excellent catalysts for oxygen reduction reaction. International Journal of Hydrogen Energy, 2019, 44, 6551-6559.	3.8	24
88	A high energy density aqueous hybrid supercapacitor with widened potential window through multi approaches. Nano Energy, 2019, 59, 41-49.	8.2	203
89	Thermal-induced interlayer defect engineering toward super high-performance sodium ion capacitors. Nano Energy, 2019, 59, 17-25.	8.2	36
90	Binder-free V₂O₅/CNT paper electrode for high rate performance zinc ion battery. Nanoscale, 2019, 11, 19723-19728.	2.8	68

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91	Enhanced electrochemical performance by size-dependent SEI layer reactivation of NiCo2O4 anodes for lithium ion batteries. Electrochimica Acta, 2019, 297, 1011-1017.	2.6	44
92	Facile one-step carbothermal reduction synthesis of Na3V2(PO4)2F3/C serving as cathode for sodium ion batteries. Electrochimica Acta, 2019, 298, 459-467.	2.6	56
93	UV-curable-based plastic crystal polymer electrolyte for high-performance all-solid-state Li-ion batteries. Ionics, 2019, 25, 1607-1615.	1.2	15
94	High proton conductivity polybenzimidazole proton exchange membrane based on phosphotungstic acid-anchored nano-Kevlar fibers. Journal of Materials Science, 2019, 54, 1640-1653.	1.7	22
95	Study on Prelithiation Technology of Hard Carbon Electrode Using Stable Metal Lithium Powder. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, .	1.1	11
96	Na3V2(PO4)3 with specially designed carbon framework as high performance cathode for sodium-ion batteries. Ceramics International, 2019, 45, 4637-4644.	2.3	22
97	Effect of Mg content on discharge behavior of Al-0.05Ga-0.05Sn-0.05Pb-xMg alloy anode for aluminum-air battery. Journal of Solid State Electrochemistry, 2019, 23, 53-62.	1.2	30
98	Design of synergistic-coated layer of La2O3/Al2O3 in LiNi0.5Mn1.5O4 cathode for enhanced cycling stability and rate capability. Ionics, 2019, 25, 2459-2468.	1.2	11
99	Supramolecular assembly promoted synthesis of three-dimensional nitrogen doped graphene frameworks as efficient electrocatalyst for oxygen reduction reaction and methanol electrooxidation. Applied Catalysis B: Environmental, 2018, 231, 224-233.	10.8	131
100	Porous Na3V2(PO4)3 prepared by freeze-drying method as high performance cathode for sodium-ion batteries. Ceramics International, 2018, 44, 9880-9886.	2.3	22
101	Flower-like nitrogen-oxygen-doped carbon encapsulating sulfur composite synthesized via in-situ oxidation approach. Chemical Engineering Journal, 2018, 345, 271-279.	6.6	21
102	Synergistic effects of ion doping and surface-modifying for lithium transition-metal oxide: Synthesis and characterization of La 2 O 3 -modified LiNi 1/3 Co 1/3 Mn 1/3 O 2. Electrochimica Acta, 2018, 272, 11-21.	2.6	56
103	One-step synthesis of 3D N-doped graphene supported metal oxide for high performance Li-S battery. Ceramics International, 2018, 44, 13419-13425.	2.3	15
104	Pseudocapacitance of TiO_{2â^'}_x/CNT Anodes for Highâ€Performance Quasiâ€Solidâ€State Liâ€Ion and Naâ€Ion Capacitors. Small, 2018, 14, e1704508.	5.2	85
105	Mesoporous g-C3N4 derived nano-titanium nitride modified carbon black as ultra-fine PtRu catalyst support for Methanol electro-oxidation. International Journal of Hydrogen Energy, 2018, 43, 5153-5162.	3.8	27
106	Study on LixNi0.5Mn1.5O4 (xâ€‰=â€‰0.8, 0.9, 1, 1.1, and 1.2) high-voltage cathode for lithium-ion batteries. Ionics, 2018, 24, 3317-3323.	1.2	3
107	Functional Differentiation of Three Pores for Effective Sulfur Confinement in Liâ€“S Battery. Small, 2018, 14, e1703279.	5.2	21
108	WO3/C supported Pd catalysts for formic acid electro-oxidation activity. International Journal of Hydrogen Energy, 2018, 43, 407-416.	3.8	21

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109	Investigation on electrochemical performance of LiNi0.8Co0.15Al0.05O2 coated by heterogeneous layer of TiO2. Journal of Alloys and Compounds, 2018, 739, 961-971.	2.8	49
110	Tuning lattice spacing in titanate nanowire arrays for enhanced sodium storage and long-term stability. Nano Energy, 2018, 45, 337-345.	8.2	34
111	1D N-doped hierarchically porous hollow carbon tubes derived from a supramolecular template as metal-free electrocatalysts for a highly efficient oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 6212-6219.	5.2	69
112	Nitrogen-doped graphene aerogel with an open structure assisted by in-situ hydrothermal restructuring of ZIF-8 as excellent Pt catalyst support for methanol electro-oxidation. International Journal of Hydrogen Energy, 2018, 43, 21899-21907.	3.8	22
113	Atomically dispersed manganese catalysts for oxygen reduction in proton-exchange membrane fuel cells. Nature Catalysis, 2018, 1, 935-945.	16.1	1,075
114	Simple co-precipitation synthesis of high-voltage spinel cathodes with different Ni/Mn ratios for lithium-ion batteries. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	3
115	Metalâ€“Organic Frameworks and Their Derived Materials as Electrocatalysts and Photocatalysts for CO₂ Reduction: Progress, Challenges, and Perspectives. Chemistry - A European Journal, 2018, 24, 18137-18157.	1.7	117
116	A lightweight, compressible and portable sponge-based supercapacitor for future power supply. Chemical Engineering Journal, 2018, 349, 509-521.	6.6	44
117	Improving rate performance of high-voltage spinel cathode by changing structural evolution from two-phase to solid-solution reactions. Electrochimica Acta, 2018, 281, 24-30.	2.6	11
118	Optimizing the Structural Evolution of Li-Rich Oxide Cathode Materials via Microwave-Assisted Pre-Activation. ACS Applied Energy Materials, 2018, 1, 4158-4168.	2.5	28
119	NiMoO4 nanowire arrays and carbon nanotubes film as advanced electrodes for high-performance supercapacitor. Applied Surface Science, 2018, 458, 478-488.	3.1	45
120	Supramolecular Assembly Templated Nitrogen-Doped Hollow Carbon Tubes as Highly Active and Durable Catalytic Support for Methanol Electrooxidation. ACS Applied Energy Materials, 2018, 1, 4096-4105.	2.5	10
121	Cobalt and Nitrogen Codoped Carbon Nanosheets Templated from NaCl as Efficient Oxygen Reduction Electrocatalysts. Chemistry - an Asian Journal, 2018, 13, 3057-3062.	1.7	24
122	3D MnCo₂O_{4.5} Nanorod Arrays on Ni Foam as Binder-Free Anodes for Li-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2018, 18, 1965-1969.	0.9	7
123	Hierarchical carbon coated molybdenum dioxide nanotubes as a highly active and durable electrocatalytic support for methanol oxidation. Journal of Materials Chemistry A, 2017, 5, 4067-4074.	5.2	40
124	Controllable synthesis of hierarchical ball-in-ball hollow microspheres for a high performance layered Li-rich oxide cathode material. Journal of Materials Chemistry A, 2017, 5, 9365-9376.	5.2	79
125	Studies on stability and capacity for long-life cycle performance of Li(Ni 0.5 Co 0.2 Mn 0.3)O 2 by Mo modification for lithium-ion battery. Journal of Power Sources, 2017, 358, 1-12.	4.0	130
126	Recent advances in cathode materials for Liâ€“S battery: structure and performance. Rare Metals, 2017, 36, 365-380.	3.6	27

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127	A low-cost wearable yarn supercapacitor constructed by a highly bended polyester fiber electrode and flexible film. Journal of Materials Chemistry A, 2017, 5, 15144-15153.	5.2	37
128	3D N-doped graphene nanomesh foam for long cycle life lithium-sulfur battery. Chemical Engineering Journal, 2017, 326, 265-272.	6.6	43
129	Investigation on Spinel LiNi_{0.5}Mn_{1.5}O₄ Synthesized by MnCO₃ Prepared under Different Conditions for Lithiumâ€ion Batteries. ChemistrySelect, 2017, 2, 4325-4331.	0.7	14
130	Three-dimensional hybrid aerogels built from graphene and polypyrrole-derived nitrogen-doped carbon nanotubes as a high-efficiency Pt-based catalyst support. Carbon, 2017, 121, 518-526.	5.4	26
131	High sulfur content microporous carbon coated sulfur composites synthesized via in situ oxidation of metal sulfide for high-performance Li/S batteries. Journal of Materials Chemistry A, 2017, 5, 6052-6059.	5.2	31
132	High performance Na3V2(PO4)3 cathode prepared by a facile solution evaporation method for sodium-ion batteries. Ceramics International, 2017, 43, 4950-4956.	2.3	52
133	Hierarchical Mn1.5Co1.5O4 microspheres constructed from one-dimensional nanorods as high-performance anode material for lithium-ion battery. Ionics, 2017, 23, 1067-1074.	1.2	2
134	Robust and Conductive Na₂Ti₂O_{5â€“x} Nanowire Arrays for High-Performance Flexible Sodium-Ion Capacitor. Chemistry of Materials, 2017, 29, 9133-9141.	3.2	77
135	CeO2 nanowires stretch-embedded in reduced graphite oxide nanocomposite support for Pt nanoparticles as potential electrocatalyst for methanol oxidation reaction. International Journal of Hydrogen Energy, 2017, 42, 20549-20559.	3.8	26
136	NiCo2O4 nanosheets and nanocones as additive-free anodes for high-performance Li-ion batteries. Ceramics International, 2017, 43, 13710-13716.	2.3	28
137	Clustered-Microcapsule-Shaped Microporous Carbon-Coated Sulfur Composite Synthesized via in Situ Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 44512-44518.	4.0	9
138	Elastic soft hydrogel supercapacitor for energy storage. Journal of Materials Chemistry A, 2017, 5, 24942-24950.	5.2	87
139	A novel synthetic route to cathode materials for Liâ€“S batteries: from organic sulfides to sulfur/nitrogenous carbon composites. Journal of Materials Chemistry A, 2017, 5, 16796-16802.	5.2	20
140	Hybrid of molybdenum trioxide and carbon as high performance platinum catalyst support for methanol electrooxidation. International Journal of Hydrogen Energy, 2017, 42, 2045-2053.	3.8	14
141	Investigation on LiNi0.5Mn1.5O4 cathode material based on the precursor of nickel-manganese compound for lithium-ion battery. Ionics, 2017, 23, 35-41.	1.2	5
142	Self-assembling hierarchical NiCo2O4/MnO2 nanosheets and MoO3/PPy core-shell heterostructured nanobelts for supercapacitor. Chemical Engineering Journal, 2017, 312, 296-305.	6.6	95
143	Effect of N-doped carbon quantum dots/multiwall-carbon nanotube composite support on Pt catalytic performance for methanol electrooxidation. RSC Advances, 2016, 6, 67096-67101.	1.7	10
144	3D ultralong nanowire arrays with a tailored hydrogen titanate phase as binder-free anodes for Li-ion capacitors. Journal of Materials Chemistry A, 2016, 4, 8716-8723.	5.2	63

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145	Nitrogen-doped carbon with mesoporous structure as high surface area catalyst support for methanol oxidation reaction. RSC Advances, 2016, 6, 39310-39316.	1.7	11
146	Nitrogen-doped carbon nanotubes for high-performance platinum-based catalysts in methanol oxidation reaction. Carbon, 2016, 108, 561-567.	5.4	57
147	Three-dimensional TiO₂@C nano-network with high porosity as a highly efficient Pt-based catalyst support for methanol electrooxidation. RSC Advances, 2016, 6, 79254-79262.	1.7	10
148	Ultra-fine Pt nanoparticles supported on 3D porous N-doped graphene aerogel as a promising electro-catalyst for methanol electrooxidation. Catalysis Communications, 2016, 86, 46-50.	1.6	48
149	Investigation on performances of Li 1.2 Co 0.4 Mn 0.4 O 2 prepared by self-combustion reaction as stable cathode for lithium-ion batteries. Ceramics International, 2016, 42, 14818-14825.	2.3	9
150	3D NiCo2S4 nanorod arrays as electrode materials for electrochemical energy storage application. Ceramics International, 2016, 42, 18173-18180.	2.3	16
151	In Situ Growth of Free-Standing All Metal Oxide Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2016, 8, 26019-26029.	4.0	80
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