

Guozhong Cao

List of Publications by Year in descending order

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525
papers

44,277
citations

1536

106
h-index

3650

180
g-index

543
all docs

543
docs citations

543
times ranked

36709
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen-deficient TiO ₂ Yolk-shell Spheres for Enhanced Lithium Storage Properties. Energy and Environmental Materials, 2022, 5, 238-244.	12.8	15
2	Sandwich assembly of sulfonated poly (ether sulfone) with sulfonated multiwalled carbon nanotubes as an efficient architecture for enhanced electrolyte performance in H ₂ / O ₂ fuel cells. International Journal of Energy Research, 2022, 46, 2567-2584.	4.5	5
3	Constructing Heterostructured Bimetallic Selenides on an N-Doped Carbon Nanoframework as Anodes for Ultrastable Na-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 1222-1232.	8.0	33
4	Optimizing nanostructure and constructing heterostructure via Mo/W incorporation to improve electrochemical properties of NiCoP for hybrid supercapacitors. Science China Materials, 2022, 65, 1195-1206.	6.3	12
5	Tunable engineering of photo- and electro-induced carrier dynamics in perovskite photoelectronic devices. Science China Materials, 2022, 65, 855-875.	6.3	9
6	Cathode Materials for Rechargeable Aqueous Zn Batteries. , 2022, , .		1
7	Enhanced ion transport behaviors in composite polymer electrolyte: the case of a looser chain folding structure. Journal of Materials Chemistry A, 2022, 10, 3226-3232.	10.3	9
8	Ultrasensitive determination of intracellular hydrogen peroxide by equipping quantum dots with a sensing layer via self-passivation. Nano Research, 2022, 15, 4350-4356.	10.4	7
9	Improving the Performance and Stability of Perovskite Solar Cells through Buried Interface Passivation Using Potassium Hydroxide. ACS Applied Energy Materials, 2022, 5, 1914-1921.	5.1	11
10	Layered Cathode Materials: Precursors, Synthesis, Microstructure, Electrochemical Properties, and Battery Performance. Small, 2022, 18, e2107697.	10.0	28
11	Oxygen-Vacancy-Rich NiMnZn-Layered Double Hydroxide Nanosheets Married with Mo ₂ CT _x MXene for High-Efficiency All-Solid-State Hybrid Supercapacitors. ACS Applied Energy Materials, 2022, 5, 3346-3358.	5.1	17
12	Potassium Ammonium Vanadate with Rich Oxygen Vacancies for Fast and Highly Stable Zn-Ion Storage. ACS Nano, 2022, 16, 4588-4598.	14.6	118
13	Coherent V ⁴⁺ -rich V ₂ O ₅ /carbon aerogel nanocomposites for high performance supercapacitors. Science China Materials, 2022, 65, 1797-1804.	6.3	8
14	Isotype Heterojunction-Boosted CO ₂ Photoreduction to CO. Nano-Micro Letters, 2022, 14, 74.	27.0	56
15	Building Ultra-Stable and Low-Polarization Composite Zn Anode Interface via Hydrated Polyzwitterionic Electrolyte Construction. Nano-Micro Letters, 2022, 14, 93.	27.0	46
16	Advances in colloidal quantum dot-based photodetectors. Journal of Materials Chemistry C, 2022, 10, 7404-7422.	5.5	23
17	Surface spinel and interface oxygen vacancies enhanced lithium-rich layered oxides with excellent electrochemical performances. Chemical Engineering Journal, 2022, 443, 136434.	12.7	29
18	Effects of Valence States of Working Cations on the Electrochemical Performance of Sodium Vanadate. ACS Applied Materials & Interfaces, 2022, 14, 19714-19724.	8.0	2

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19	Highly emissive and color-tunable copper-based halide composites for bright white light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1647-1657.	5.9	4
20	In-situ constructing slow-release Li-Al-O interface layer for lithium metal batteries to enhance interface stability and suppress lithium dendrite growth. <i>Chemical Engineering Journal</i> , 2022, 446, 136827.	12.7	7
21	Reinforced Hydroxylated Boron Nitride on Porous Sulfonated Poly(ether sulfone) with Excellent Electrolyte Properties for H ₂ /O ₂ Fuel Cells. <i>Energy & Fuels</i> , 2022, 36, 6445-6458.	5.1	4
22	A high power density solid electrolyte based on polycaprolactone for high-performance all-solid-state flexible lithium batteries. <i>Electrochimica Acta</i> , 2022, 424, 140624.	5.2	9
23	Engineering hydrated vanadium oxide by K ⁺ and Ni ²⁺ incorporation for aqueous zinc ion batteries. <i>Materials Chemistry and Physics</i> , 2022, 287, 126358.	4.0	0
24	Stability and kinetics enhancement of hydrated vanadium oxide via sodium-ion pre-intercalation. <i>Materials Today Energy</i> , 2022, 28, 101063.	4.7	7
25	Interphases, Interfaces, and Surfaces of Active Materials in Rechargeable Batteries and Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e1905245.	21.0	30
26	Enhancing sodium-ion storage performance of MoO ₂ /N-doped carbon through interfacial Mo-N-C bond. <i>Science China Materials</i> , 2021, 64, 85-95.	6.3	48
27	Melamine-assisted synthesis of ultrafine Mo ₂ C/Mo ₂ N@N-doped carbon nanofibers for enhanced alkaline hydrogen evolution reaction activity. <i>Science China Materials</i> , 2021, 64, 1150-1158.	6.3	25
28	Sodium ion storage performance and mechanism in orthorhombic V ₂ O ₅ single-crystalline nanowires. <i>Science China Materials</i> , 2021, 64, 557-570.	6.3	36
29	Ferroelectricity and Piezoelectricity of Na _{0.5} Bi _{0.5} TiO ₃ Nanotube Arrays: Implications for Functional Electronic Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 1294-1304.	5.0	3
30	Direct Ink Writing of Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ -Based Solid-State Electrolytes with Customized Shapes and Remarkable Electrochemical Behaviors. <i>Small</i> , 2021, 17, e2002866.	10.0	27
31	Expanded MoSe ₂ Nanosheets Vertically Bonded on Reduced Graphene Oxide for Sodium and Potassium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13158-13169.	8.0	83
32	Faster Diffusion and Higher Lithium-Ion Intercalation Capacity in Pb-Jarosite than Na-Jarosite. <i>ACS Applied Energy Materials</i> , 2021, 4, 2248-2256.	5.1	4
33	A High-Voltage Hybrid Solid Electrolyte Based on Polycaprolactone for High-Performance all-Solid-State Flexible Lithium Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 2318-2326.	5.1	24
34	Enhanced supercapacitive properties of hydrohausmannite by in-situ polymerization of polypyrrole. <i>Electrochimica Acta</i> , 2021, 376, 137989.	5.2	7
35	Enhanced Reversible Zinc Ion Intercalation in Deficient Ammonium Vanadate for High-Performance Aqueous Zinc-Ion Battery. <i>Nano-Micro Letters</i> , 2021, 13, 116.	27.0	111
36	Wire-in-Wire TiO ₂ /C Nanofibers Free-Standing Anodes for Li-Ion and K-Ion Batteries with Long Cycling Stability and High Capacity. <i>Nano-Micro Letters</i> , 2021, 13, 107.	27.0	55

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37	Impacts of fluorine in NASICON-type materials as cathodes for aqueous zinc ion batteries. <i>Energy Science and Engineering</i> , 2021, 9, 938-949.	4.0	6
38	<i>Batteries & Supercaps</i> : Beyond Lithium-ion Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 1036-1038.	4.7	12
39	Macaroni-Like Blue-Gray Nb ₂ O ₅ Nanotubes for High-Reversible Lithium-ion Storage. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100028.	5.8	6
40	Oxygen migration induced effective magnetic and resistive switching boosted by graphene quantum dots. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158339.	5.5	14
41	Tailoring nanostructured transition metal phosphides for high-performance hybrid supercapacitors. <i>Nano Today</i> , 2021, 38, 101201.	11.9	86
42	Tailoring Pore Structures of 3D Printed Cellular High-Loading Cathodes for Advanced Rechargeable Zinc-ion Batteries. <i>Small</i> , 2021, 17, e2100746.	10.0	38
43	Oxygen Vacancies Enhance Lithium-ion Storage Properties of TiO ₂ Hierarchical Spheres. <i>Batteries and Supercaps</i> , 2021, 4, 1874-1880.	4.7	9
44	Sodium vanadate/PEDOT nanocables rich with oxygen vacancies for high energy conversion efficiency zinc ion batteries. <i>Energy Storage Materials</i> , 2021, 40, 209-218.	18.0	86
45	In Situ Defect Induction in Close-Packed Lattice Plane for the Efficient Zinc Ion Storage. <i>Small</i> , 2021, 17, e2101944.	10.0	24
46	A universal strategy towards 3D printable nanomaterial inks for superior cellular high-loading battery electrodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16086-16092.	10.3	22
47	Silica Nanoparticles Coated with Smaller Au Nanoparticles for the Enhancement of Optical Oxygen Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 14146-14152.	5.0	4
48	Dual interface coupled molybdenum diselenide for high-performance sodium ion batteries and capacitors. <i>Journal of Power Sources</i> , 2020, 446, 227298.	7.8	25
49	Dual-ion batteries: The emerging alternative rechargeable batteries. <i>Energy Storage Materials</i> , 2020, 25, 1-32.	18.0	160
50	3D printing-based cellular microelectrodes for high-performance asymmetric quasi-solid-state micro-pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1749-1756.	10.3	35
51	Highly dispersed Co-Mo sulfide nanoparticles on reduced graphene oxide for lithium and sodium ion storage. <i>Nano Research</i> , 2020, 13, 188-195.	10.4	30
52	Resistive Switching in Nonperovskite-Phase CsPbI ₃ Film-Based Memory Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9409-9420.	8.0	27
53	Switchable Perovskite Photovoltaic Sensors for Bioinspired Adaptive Machine Vision. <i>Advanced Intelligent Systems</i> , 2020, 2, 2070092.	6.1	13
54	Carbon quantum dot modified Na ₃ V ₂ (PO ₄) ₂ F ₃ as a high-performance cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18872-18879.	10.3	59

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55	Switchable Perovskite Photovoltaic Sensors for Bioinspired Adaptive Machine Vision. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000122.	6.1	44
56	Cross-Linked SPEEK-PEG-APTEOS-Modified CaTiO ₃ Perovskites for Efficient Acid-Base Cation-Exchange Membrane Fuel Cell. <i>Energy & Fuels</i> , 2020, 34, 10087-10099.	5.1	19
57	Sulfur-Rich (NH ₄) ₂ MoS ₃ as a Highly Reversible Anode for Sodium/Potassium-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 9626-9636.	14.6	43
58	Active Materials for Aqueous Zinc Ion Batteries: Synthesis, Crystal Structure, Morphology, and Electrochemistry. <i>Chemical Reviews</i> , 2020, 120, 7795-7866.	47.7	950
59	Dual-Constrained Sulfur in FeS ₂ @C Nanostructured Lithium-Sulfide Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10950-10960.	5.1	21
60	Electrospun Ta-doped TiO ₂ /C nanofibers as a high-capacity and long-cycling anode material for Li-ion and K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20666-20676.	10.3	44
61	Impacts of Oxygen Vacancies on Zinc Ion Intercalation in VO ₂ . <i>ACS Nano</i> , 2020, 14, 5581-5589.	14.6	267
62	Bimetallic organic framework derivation of three-dimensional and heterogeneous metal selenides/carbon composites as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 12623-12631.	5.6	44
63	Polypyrrole coated MnO ₂ nanosheet arrays as a highly stable lithium-ion-storage anode. <i>Dalton Transactions</i> , 2020, 49, 7903-7913.	3.3	19
64	Unraveling the roles of mesoporous TiO ₂ framework in CH ₃ NH ₃ PbI ₃ perovskite solar cells. <i>Science China Materials</i> , 2020, 63, 1151-1162.	6.3	24
65	3D printed cellular cathodes with hierarchical pores and high mass loading for Li-SeS ₂ battery. <i>Electrochimica Acta</i> , 2020, 349, 136331.	5.2	30
66	The NH ₄ ⁺ Group Induced Formation of 3D Co(OH) ₂ Curly Nanosheet Aggregates as Efficient Oxygen Evolution Electrocatalysts. <i>Small</i> , 2020, 16, 2001973.	10.0	22
67	Nickel induced electronic structural regulation of cobalt hydroxide for enhanced water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6699-6708.	10.3	29
68	Rational design of the pea-pod structure of SiO _x /C nanofibers as a high-performance anode for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1762-1769.	6.0	31
69	Catalyzing zinc-ion intercalation in hydrated vanadates for aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7713-7723.	10.3	84
70	Effect of synthesis pH and EDTA on iron hexacyanoferrate for sodium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2884-2891.	4.9	11
71	Artificial interface stabilized LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ @Polysiloxane cathode for stable cycling lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 471, 228480.	7.8	26
72	Layered ternary metal oxides: Performance degradation mechanisms as cathodes, and design strategies for high-performance batteries. <i>Progress in Materials Science</i> , 2020, 111, 100655.	32.8	115

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73	Tailoring SPEEK/SPVdF- <i>co</i> -HFP/La ₂ Zr ₂ O ₇ Ternary Composite Membrane for Cation Exchange Membrane Fuel Cells. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4881-4894.	3.7	21
74	Nanosulfonated silica incorporated SPEEK/SPVdF-HFP polymer blend membrane for PEM fuel cell application. <i>Ionics</i> , 2020, 26, 3447-3458.	2.4	38
75	Fast and reversible zinc ion intercalation in Al-ion modified hydrated vanadate. <i>Nano Energy</i> , 2020, 70, 104519.	16.0	188
76	Au-Ag alloy nanoparticles with tunable cavity for plasmon-enhanced photocatalytic H ₂ evolution. <i>Journal of Energy Chemistry</i> , 2020, 49, 1-7.	12.9	42
77	Three-Dimensional Self-assembled Hairball-Like VS ₄ as High-Capacity Anodes for Sodium-Ion Batteries. <i>Nano-Micro Letters</i> , 2020, 12, 39.	27.0	35
78	Surface-defect passivation through complexation with organic molecules leads to enhanced power conversion efficiency and long term stability of perovskite photovoltaics. <i>Science China Materials</i> , 2020, 63, 479-480.	6.3	8
79	Controlled crystallinity and morphologies of 2D Ruddlesden-Popper perovskite films grown without anti-solvent for solar cells. <i>Chemical Engineering Journal</i> , 2020, 394, 124959.	12.7	33
80	Structural engineering of hydrated vanadium oxide cathode by K ⁺ incorporation for high-capacity and long-cycling aqueous zinc ion batteries. <i>Energy Storage Materials</i> , 2020, 29, 9-16.	18.0	139
81	Conduction Response in Highly Flexible Nonvolatile Memory Devices. <i>Advanced Electronic Materials</i> , 2020, 6, 2000151.	5.1	11
82	Impacts of Interfaces, Interphases, and Defects in Battery Electrodes. , 2020, , .		0
83	Tin sulfide nanoparticles embedded in sulfur and nitrogen dual-doped mesoporous carbon fibers as high-performance anodes with battery-capacitive sodium storage. <i>Energy Storage Materials</i> , 2019, 18, 366-374.	18.0	101
84	Free-standing SnS/C nanofiber anodes for ultralong cycle-life lithium-ion batteries and sodium-ion batteries. <i>Energy Storage Materials</i> , 2019, 17, 1-11.	18.0	221
85	Bimetallic phosphides embedded in hierarchical P-doped carbon for sodium ion battery and hydrogen evolution reaction applications. <i>Science China Materials</i> , 2019, 62, 1857-1867.	6.3	23
86	Na-Ion Batteries: A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries (<i>Adv. Sci.</i> 16/2019). <i>Advanced Science</i> , 2019, 6, 1970098.	11.2	4
87	Nano-Fe ₃ C@PGC as a novel low-cost anode electrocatalyst for superior performance microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111594.	10.1	70
88	Facile and scalable engineering of a heterogeneous microstructure for uniform, stable and fast lithium plating/stripping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19104-19111.	10.3	31
89	V ₂ O ₅ -Conductive polymer nanocables with built-in local electric field derived from interfacial oxygen vacancies for high energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17966-17973.	10.3	53
90	SnP ₃ /Carbon Nanocomposite as an Anode Material for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26976-26984.	8.0	73

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91	3D-printed interdigitated graphene framework as superior support of metal oxide nanostructures for remarkable micro-pseudocapacitors. <i>Electrochimica Acta</i> , 2019, 319, 245-252.	5.2	44
92	Kinetic surface control for improved magnesium-electrolyte interfaces for magnesium ion batteries. <i>Energy Storage Materials</i> , 2019, 22, 96-104.	18.0	95
93	A review on recent developments and challenges of cathode materials for rechargeable aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18209-18236.	10.3	387
94	Potassium nickel hexacyanoferrate as cathode for high voltage and ultralong life potassium-ion batteries. <i>Energy Storage Materials</i> , 2019, 22, 120-127.	18.0	56
95	SnS Nanosheets Confined Growth by S and N Codoped Graphene with Enhanced Pseudocapacitance for Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41363-41373.	8.0	63
96	Engineering Halide Perovskite Crystals through Precursor Chemistry. <i>Small</i> , 2019, 15, e1903613.	10.0	82
97	Chemically Bonding NiFe-LDH Nanosheets on rGO for Superior Lithium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35977-35986.	8.0	88
98	A flexible self-charged power panel for harvesting and storing solar and mechanical energy. <i>Nano Energy</i> , 2019, 65, 104082.	16.0	30
99	Highly effective fabrication of two dimensional metal oxides as high performance lithium storage anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3924-3932.	10.3	19
100	Hierarchical ZnO Microspheres Embedded in TiO ₂ Photoanode for Enhanced CdS/CdSe Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 1259-1265.	5.1	7
101	Necklace-like Si@C nanofibers as robust anode materials for high performance lithium ion batteries. <i>Science Bulletin</i> , 2019, 64, 261-269.	9.0	63
102	Expanded hydrated vanadate for high-performance aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 2273-2285.	30.8	512
103	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries. <i>Advanced Science</i> , 2019, 6, 1900162.	11.2	90
104	Interface Engineering V ₂ O ₅ Nanofibers for High-Energy and Durable Supercapacitors. <i>Small</i> , 2019, 15, e1901747.	10.0	66
105	V ₂ O ₃ /C nanocomposites with interface defects for enhanced intercalation pseudocapacitance. <i>Electrochimica Acta</i> , 2019, 318, 635-643.	5.2	51
106	Yolk-shell structured V ₂ O ₃ microspheres wrapped in N, S co-doped carbon as pea-pod nanofibers for high-capacity lithium ion batteries. <i>Chemical Engineering Journal</i> , 2019, 374, 545-553.	12.7	86
107	Towards a durable high performance anode material for lithium storage: stabilizing N-doped carbon encapsulated FeS nanosheets with amorphous TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 16541-16552.	10.3	30
108	High Energy Capacitors Based on All Metal-Organic Frameworks Derivatives and Solar-Charging Station Application. <i>Small</i> , 2019, 15, e1902280.	10.0	44

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109	Revealing the impacts of metastable structure on the electrochemical properties: The case of MnS. <i>Journal of Power Sources</i> , 2019, 431, 75-83.	7.8	27
110	A cross-like hierarchical porous lithium-rich layered oxide with (110)-oriented crystal planes as a high energy density cathode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13120-13129.	10.3	24
111	Sulfur-deficient MoS ₂ grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12068-12074.	10.3	112
112	Oxygen vacancy-enriched MoO _{3-x} nanobelts for asymmetric supercapacitors with excellent room/low temperature performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13205-13214.	10.3	92
113	Enhanced-performance of self-powered flexible quantum dot photodetectors by a double hole transport layer structure. <i>Nanoscale</i> , 2019, 11, 9626-9632.	5.6	18
114	Nanoflake-constructed porous Na ₃ V ₂ (PO ₄) ₃ /C hierarchical microspheres as a bicontinuous cathode for sodium-ion batteries applications. <i>Nano Energy</i> , 2019, 60, 312-323.	16.0	154
115	Microbelt-void microbelt-structured SnO ₂ @C as an advanced electrode with outstanding rate capability and high reversibility. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10523-10533.	10.3	25
116	AC ₆₀ /TiO _x bilayer for conformal growth of perovskite films for UV stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11086-11094.	10.3	64
117	Understanding the electrochemical potential and diffusivity of MnO/C nanocomposites at various charge/discharge states. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7831-7842.	10.3	34
118	Aqueous Al-Ion Supercapacitor with V ₂ O ₅ Mesoporous Carbon Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15573-15580.	8.0	64
119	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in V ₂ O ₅ /PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16647-16655.	8.0	57
120	Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10346-10353.	10.3	109
121	Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells. <i>RSC Advances</i> , 2019, 9, 2803-2811.	3.6	5
122	Constructing metallic zinc-cobalt sulfide hierarchical core-shell nanosheet arrays derived from 2D metal-organic-frameworks for flexible asymmetric supercapacitors with ultrahigh specific capacitance and performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7138-7150.	10.3	82
123	Covalent organic framework-regulated ionic transportation for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26540-26548.	10.3	48
124	Amorphous NiWO ₄ Nanospheres with High-Conductivity and -Capacitive Performance for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30067-30076.	3.1	26
125	Strategies for Building Robust Traffic Networks in Advanced Energy Storage Devices: A Focus on Composite Electrodes. <i>Advanced Materials</i> , 2019, 31, e1804204.	21.0	69
126	Microwave dielectric properties of B and N co-doped SiC nanopowders prepared by combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2019, 777, 1039-1043.	5.5	19

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127	Hierarchical Microspheres of Aggregated Silicon Nanoparticles with Nanometre Gaps as the Anode for Lithium-Ion Batteries with Excellent Cycling Stability. <i>ChemElectroChem</i> , 2019, 6, 1139-1148.	3.4	8
128	Morphological and structural evolution of Si-Cu nanocomposites by an instantaneous vapor-liquid-solid growth and the electrochemical lithiation/delithiation performances. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 735-748.	2.5	9
129	Hierarchical mesoporous MoSe ₂ @CoSe/N-doped carbon nanocomposite for sodium ion batteries and hydrogen evolution reaction applications. <i>Energy Storage Materials</i> , 2019, 21, 97-106.	18.0	128
130	From scalable solution fabrication of perovskite films towards commercialization of solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 518-549.	30.8	269
131	Gradient Oxygen Vacancies in V ₂ O ₅ /PEDOT Nanocables for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 668-677.	5.1	58
132	Facile fabrication of interconnected-mesoporous T-Nb ₂ O ₅ nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , 2019, 62, 465-473.	6.3	31
133	Graphene-Encapsulated FeS ₂ in Carbon Fibers as High Reversible Anodes for Na ⁺ /K ⁺ Batteries in a Wide Temperature Range. <i>Small</i> , 2019, 15, e1804740.	10.0	115
134	Uniform MnCo ₂ O ₄ Porous Dumbbells for Lithium-Ion Batteries and Oxygen Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8730-8738.	8.0	83
135	MoSe ₂ nanosheets perpendicularly grown on graphene with Mo-C bonding for sodium-ion capacitors. <i>Nano Energy</i> , 2018, 47, 224-234.	16.0	358
136	Porous graphite: A facile synthesis from ferrous gluconate and excellent performance as anode electrocatalyst of microbial fuel cell. <i>Biosensors and Bioelectronics</i> , 2018, 109, 116-122.	10.1	30
137	A new polyacrylonitrile fiber for direct carbonization without oxidation. <i>Journal of Materials Science</i> , 2018, 53, 8232-8240.	3.7	6
138	Ni _{0.85} Co _{0.15} WO ₄ nanosheet electrodes for supercapacitors with excellent electrical conductivity and capacitive performance. <i>Nano Energy</i> , 2018, 48, 430-440.	16.0	80
139	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9153-9160.	10.3	90
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