

Deyan He

List of Publications by Year in descending order

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235
papers

8,784
citations

41627

51
h-index

68831

81
g-index

243
all docs

243
docs citations

243
times ranked

11833
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved comprehensive performance of CsPbI ₂ Br perovskite solar cells by modifying the photoactive layers with carbon nanodots. <i>Journal of Materiomics</i> , 2022, 8, 358-365.	2.8	13
2	æªªæª²æ³•ãªªª;.../SnCl ₂ ,çªçš,,Ti ₃ C ₂ TxMXeneè,-ç%1ãÿç»“ãª³ç”µæ±. <i>Science China Materials</i> , 2022, 65, 896-903.	2.8	10
3	High-performance aqueous asymmetric supercapacitors based on the cathode of one-step electrodeposited cracked bark-shaped nickel manganese sulfides on activated carbon cloth. <i>Science China Technological Sciences</i> , 2022, 65, 293-301.	2.0	11
4	Synergetic effects of a front ITO nanocylinder array and a back square Al array to enhance light absorption for organic solar cells. <i>Applied Optics</i> , 2022, 61, 1726.	0.9	2
5	Ion-Selective Covalent Organic Framework Membranes as a Catalytic Polysulfide Trap to Arrest the Redox Shuttle Effect in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4079-4090.	4.0	32
6	To achieve controlled specific capacities of silicon-based anodes for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164189.	2.8	14
7	Sheet-Like Stacking SnS ₂ /rGO Heterostructures as Ultrastable Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11739-11749.	4.0	28
8	The Synergy of La ₂ O ₃ Nanoparticles and Graphene for Advanced Li-S Batteries. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
9	Mn(OH) ₂ -coated Ni ₃ S ₂ nanosheets on Ni foam as a cathode for high-performance aqueous asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2022, 51, 104513.	3.9	16
10	Resistive Switching Memristor: On the Direct Observation of Physical Nature of Parameter Variability. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1557-1567.	4.0	6
11	One-step electrodeposited Co and Mn layered double hydroxides on Ni foam for high-performance aqueous asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2022, 50, 104667.	3.9	16
12	NaBr-Modified CsPbI ₂ Br Improves the Comprehensive Performance of the Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2022, 12, 948-953.	1.5	6
13	Solution-Processed Back-Contact PEDOT:PSS/n-Si Heterojunction Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 5502-5507.	2.5	4
14	Enhanced immobilization and accelerated conversion of polysulfides by functionalized separator for advanced lithium sulfur batteries. <i>Journal of Power Sources</i> , 2022, 539, 231490.	4.0	6
15	High-Performance Osmotic Power Generators Based on the 1D/2D Hybrid Nanochannel System. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29197-29212.	4.0	7
16	SnCl ₄ -Treated Ti ₃ C ₂ T _x MXene Nanosheets for Schottky Junction Solar Cells with Improved Performance. <i>ACS Applied Nano Materials</i> , 2022, 5, 10064-10072.	2.4	6
17	CeO ₂ decorated graphene as separator modification material for capture and boost conversion of polysulfide in lithium-sulfur batteries. <i>Journal of Membrane Science</i> , 2021, 619, 118780.	4.1	55
18	High photosensitivity light-controlled planar ZnO artificial synapse for neuromorphic computing. <i>Nanoscale</i> , 2021, 13, 2502-2510.	2.8	25

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19	Sandwich-like SnS ₂ /graphene multilayers for efficient lithium/sodium storage. Dalton Transactions, 2021, 50, 14884-14890.	1.6	6
20	MXenes for Solar Cells. Nano-Micro Letters, 2021, 13, 78.	14.4	90
21	Interconnected Vertical γ -MnO ₂ Nanoflakes Coated by a Dopamine-Derived Carbon Thin Shell as a High-Performance Self-Supporting Cathode for Aqueous Zinc Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 030540.	1.3	19
22	One-step construction of γ -MnO ₂ cathodes with an interconnected nanosheet structure on graphite paper for high-performance aqueous asymmetric supercapacitors. Journal of Energy Storage, 2021, 35, 102308.	3.9	17
23	Twenty Percent Efficiency Crystalline Silicon Solar Cells with Solution-Processed Electron-Selective Contacts. ACS Applied Energy Materials, 2021, 4, 3644-3650.	2.5	8
24	Improvement of the Optoelectrical Properties of a Transparent Conductive Polymer via the Introduction of ITO Nanoparticles and Its Application in Crystalline Silicon/Organic Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 31171-31179.	4.0	5
25	High-Mass-Loading NiCoS Electrodes with Unfading Electrochemical Performance for Supercapacitors. ACS Applied Energy Materials, 2021, 4, 6531-6541.	2.5	32
26	Enhanced electrochemical performance of lithium-sulfur batteries using a V ₂ O ₅ /graphene interlayer. Journal of Alloys and Compounds, 2021, 868, 159131.	2.8	21
27	Effects of heavy ion irradiation on Cu/Al ₂ O ₃ /Pt CBRAM devices. Microelectronic Engineering, 2021, 247, 111600.	1.1	6
28	Fabricating a Carbon Microtube Interlayer by a Sustainable Green Process as a Polysulfide-Trapping Shield for Lithium-Sulfur Batteries. Energy & Fuels, 2021, 35, 14140-14147.	2.5	6
29	Improvement of electrochemical performances of ultrathin Ti-coated Si-based multilayer nanofibers as anode materials for lithium-ion batteries. Surface and Coatings Technology, 2021, 424, 127669.	2.2	6
30	Cracked bark-inspired ternary metallic sulfide (NiCoMnS ₄) nanostructure on carbon cloth for high-performance aqueous asymmetric supercapacitors. Science China Materials, 2021, 64, 1632-1641.	3.5	32
31	NiCo ₂ O ₄ nanowire-supported NiCoMnS ₄ nanosheets on carbon cloth as a flexible cathode for high-performance aqueous supercapacitors. Electrochimica Acta, 2021, 398, 139324.	2.6	24
32	High-Efficiency Si/PEDOT:PSS Hybrid Heterojunction Solar Cells Using Solution-Processed Graphene Oxide as an Antireflection and Inversion-Induced Layer. ACS Applied Energy Materials, 2021, 4, 13279-13287.	2.5	5
33	Carbon nanotubes@Ni ₃ V ₂ O ₈ @NiCo ₂ S ₄ nanosheets on Ni foam as a cathode for high-performance aqueous supercapacitors. Journal of Energy Storage, 2021, 44, 103496.	3.9	20
34	A highly stable and sensitive ethanol sensor based on Ru-decorated 1D WO ₃ nanowires. RSC Advances, 2021, 11, 39130-39141.	1.7	11
35	Poly(3,4-ethylenedioxythiophene)-Polystyrenesulfonate-Added Layered Vanadium Oxide Cathode for High-Performance Zinc-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 14582-14589.	2.5	11
36	Interconnected γ -MnO ₂ nanosheets anchored on activated carbon cloth as flexible electrode for high-performance aqueous asymmetric supercapacitors. Journal of Electroanalytical Chemistry, 2020, 877, 114656.	1.9	44

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37	Bridging for Carriers by Embedding Metal Oxide Nanoparticles in the Photoactive Layer to Enhance Performance of Polymer Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 1353-1358.	1.5	16
38	Robust Polyethylenimine Electrolyte for High Performance and Thermally Stable Atomic Switch Memristors. <i>Advanced Functional Materials</i> , 2020, 30, 2004514.	7.8	31
39	TiO ₂ Nanoparticles In Situ Formed on Ti ₃ C ₂ Nanosheets by a One-Step Ethanol-Thermal Method for Enhanced Reversible Lithium-Ion Storage. <i>ChemistrySelect</i> , 2020, 5, 3124-3129.	0.7	21
40	Improvement of the Optoelectrical Properties of a Transparent Conductive Polymer via a Simple Mechanical Pressure Treatment. <i>ACS Omega</i> , 2020, 5, 7545-7554.	1.6	5
41	Cr-Doped Urchin-Like WO ₃ Hollow Spheres: The Cooperative Modulation of Crystal Growth and Energy-Band Structure for High-Sensitive Acetone Detection. <i>Sensors</i> , 2020, 20, 3473.	2.1	26
42	Enhanced performance and the related mechanisms of organic solar cells using Li-doped SnO ₂ as the electron transport layer. <i>Materials Chemistry and Physics</i> , 2020, 254, 123536.	2.0	9
43	Effects of high energy heavy ion irradiation on resistive switches. <i>Microelectronic Engineering</i> , 2020, 231, 111393.	1.1	3
44	Controlled Growth of Fine Multifilaments in Polymer-Based Memristive Devices Via the Conduction Control. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34370-34377.	4.0	23
45	SiO ₂ /Ta ₂ O ₅ heterojunction ECM memristors: physical nature of their low voltage operation with high stability and uniformity. <i>Nanoscale</i> , 2020, 12, 4320-4327.	2.8	24
46	Resistive switching behaviors and mechanisms of HfS ₂ film memory devices studied by experiments and density functional theory calculations. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	5
47	A Hierarchical Interconnected Nanosheet Structure of Porous γ-MnO ₂ on Graphite Paper as Cathode with a Broad Potential Window for NaNO ₃ Aqueous Electrolyte Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 2614-2622.	2.5	32
48	Nb ₂ O ₅ /RGO Nanocomposite Modified Separators with Robust Polysulfide Traps and Catalytic Centers for Boosting Performance of Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1902363.	5.2	83
49	Wider Voltage Window, High Capacity and Ultra-Long Life of an Na 0.91 MnO ₂ Cathode for an Aqueous High-Performance Supercapacitor. <i>Batteries and Supercaps</i> , 2019, 2, 948-955.	2.4	7
50	Large-scale self-template synthesis of NiCo ₂ O ₄ nanotubes derived from alginate for high-rate lithium storage properties stimulated by capacitive effects. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151736.	2.8	12
51	Hole selective materials and device structures of heterojunction solar cells: Recent assessment and future trends. <i>APL Materials</i> , 2019, 7, .	2.2	27
52	Pseudocapacitive reaction enhanced porous Co _{0.85} Se/N-doped carbon anodes for advanced sodium-ion battery with high rate and capacity. <i>Electrochimica Acta</i> , 2019, 321, 134643.	2.6	16
53	Enhanced performance of polymer solar cells by adding SnO ₂ nanoparticles in the photoactive layer. <i>Organic Electronics</i> , 2019, 73, 7-12.	1.4	21
54	Mesoporous boron carbon nitride/graphene modified separators as efficient polysulfides barrier for highly stable lithium-sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 842, 34-40.	1.9	24

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55	A Novel Strategy for the Selection of Polysulfide Adsorbents Toward High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900393.	1.9	7
56	High mass loading Ni-decorated Co ₉ S ₈ with enhanced electrochemical performance for flexible quasi-solid-state asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019, 423, 106-114.	4.0	48
57	2.5 V salt-in-water supercapacitors based on alkali type double salt/carbon composite anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26011-26019.	5.2	16
58	Resistive switching behaviors mediated by grain boundaries in one longitudinal Al/MoS ₂ &PVP/ITO device. <i>Materials Science in Semiconductor Processing</i> , 2019, 91, 246-251.	1.9	11
59	Fe ₃ O ₄ /RGO modified separators to suppress the shuttle effect for advanced lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2019, 784, 149-156.	2.8	61
60	Enhanced electrochemical kinetics in lithium-sulfur batteries by using carbon nanofibers/manganese dioxide composite as a bifunctional coating on sulfur cathode. <i>Electrochimica Acta</i> , 2018, 269, 180-187.	2.6	62
61	Sulfur Immobilizer by Nanoscale TiO ₂ Trapper Deposited on Hierarchical Porous Carbon and Graphene for Cathodes of Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701602.	1.9	24
62	High-performance free-standing capacitor electrodes of multilayered Co ₉ S ₈ plates wrapped by carbonized poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate)/reduced graphene oxide. <i>Journal of Power Sources</i> , 2018, 379, 167-173.	4.0	59
63	High-yield fabrication of graphene-wrapped silicon nanoparticles for self-support and binder-free anodes of lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 744, 243-251.	2.8	17
64	MoS ₂ /Ni ₃ S ₄ composite nanosheets on interconnected carbon shells as an excellent supercapacitor electrode architecture for long term cycling at high current densities. <i>Applied Surface Science</i> , 2018, 440, 741-747.	3.1	49
65	Excellent Light Confinement of Hemiellipsoid- and Inverted Hemiellipsoid-Modified Semiconductor Nanowire Arrays. <i>Nanoscale Research Letters</i> , 2018, 13, 236.	3.1	6
66	Oxygen vacancy drift controlled three-terminal ReRAM with a reduction in operating gate bias and gate leakage current. <i>Solid State Ionics</i> , 2018, 328, 30-34.	1.3	3
67	Modulation-doped ZnO as high performance electron-selective layer for efficient silicon heterojunction solar cells. <i>Nano Energy</i> , 2018, 54, 99-105.	8.2	34
68	Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCo ₂ /Ni(OH) ₂ /Co(OH) ₂ electrodes. <i>CrystEngComm</i> , 2018, 20, 6519-6528.	1.3	14
69	Hollow irregular octahedra-like NiCo ₂ O ₄ cages composed of mesoporous nanosheets as a superior anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 350, 29-36.	6.6	39
70	Self-Support Surface Enhanced Raman Scattering Substrates with the Function of Enriching Analytes. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800559.	1.9	1
71	A Dual Carbon-Based Potassium Dual Ion Battery with Robust Comprehensive Performance. <i>Small</i> , 2018, 14, e1801836.	5.2	118
72	Molybdenum disulfide nanosheets embedded in hollow nitrogen-doped carbon spheres for efficient lithium/sodium storage with enhanced electrochemical kinetics. <i>Electrochimica Acta</i> , 2018, 283, 646-654.	2.6	24

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73	A low crystallinity oxygen-vacancy-rich Co_3O_4 cathode for high-performance flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16094-16100.	5.2	182
74	Carbon fabric supported 3D cobalt oxides/hydroxide nanosheet network as cathode for flexible all-solid-state asymmetric supercapacitor. <i>Dalton Transactions</i> , 2018, 47, 11503-11511.	1.6	34
75	Rapid activation and enhanced cycling stability of Co_3O_4 microspheres decorated by N-doped amorphous carbon shell for advanced LIBs. <i>Electrochimica Acta</i> , 2018, 283, 979-986.	2.6	36
76	Polydopamine derived porous N-doped carbon nanofibers for lithium ion storage. <i>Materials Letters</i> , 2017, 189, 259-262.	1.3	8
77	Self-supported binder-free carbon fibers/ MnO_2 electrodes derived from disposable bamboo chopsticks for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 699, 126-135.	2.8	60
78	High performance silicon-organic hybrid solar cells via improving conductivity of PEDOT:PSS with reduced graphene oxide. <i>Applied Surface Science</i> , 2017, 407, 398-404.	3.1	51
79	Synthesis and lithium storage properties of interconnected fullerene-like carbon nanofibers encapsulated with tin nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 6969-6975.	1.7	7
80	The effect of oxygen vacancy on switching mechanism of ZnO resistive switching memory. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	79
81	Wrinkled-paper-like ZnCo_2O_4 nanoflakes as a superior anode material for ultrahigh-rate lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 711, 592-597.	2.8	20
82	Time-decay Memristive Behavior and diffusive dynamics in one forget process operated by a 3D vertical Pt/ Ta_2O_5 /W device. <i>Scientific Reports</i> , 2017, 7, 822.	1.6	12
83	Nanoscale MnS crystallites grown on N-S co-doped rGO as a long-life and high-capacity anode material of Li-ion batteries. <i>Applied Surface Science</i> , 2017, 416, 858-867.	3.1	66
84	Size-controllable porous NiO electrodes for high-performance lithium ion battery anodes. <i>Materials Research Bulletin</i> , 2017, 96, 533-537.	2.7	28
85	Interfacial modification of a lightweight carbon foam current collector for high-energy density Si/LCO lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13168-13175.	5.2	35
86	Nanostructural optimization of silicon/PEDOT:PSS hybrid solar cells for performance improvement. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 175105.	1.3	18
87	Facile synthesis of ultrathin NiCo_2S_4 nano-petals inspired by blooming buds for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7144-7152.	5.2	251
88	Effect of rGO Coating on Interconnected Co_3O_4 Nanosheets and Improved Supercapacitive Behavior of Co_3O_4 /rGO/NF Architecture. <i>Nano-Micro Letters</i> , 2017, 9, 38.	14.4	67
89	High-performance Si/organic hybrid solar cells using a novel cone-shaped Si nanoholes structures and back surface passivation layer. <i>Nano Energy</i> , 2017, 41, 519-526.	8.2	18
90	Group IVA Element (Si, Ge, Sn)-Based Alloying/Dealloying Anodes as Negative Electrodes for Full-Cell Lithium-Ion Batteries. <i>Small</i> , 2017, 13, 1702000.	5.2	163

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91	Dual functional MoS ₂ /graphene interlayer as an efficient polysulfide barrier for advanced lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2017, 256, 28-36.	2.6	106
92	Facile embedding of SiO ₂ nanoparticles in organic solar cells for performance improvement. <i>Organic Electronics</i> , 2017, 50, 77-81.	1.4	25
93	Well-Designed Hierarchical Co ₃ O ₄ Architecture as a Long-Life and Ultrahigh Rate Capacity Anode for Advanced Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700553.	1.9	37
94	Greatly improved cyclability for Li-ion batteries with a PEDOT/PSS coated nanostructured Ge anode. <i>Surfaces and Interfaces</i> , 2017, 8, 214-218.	1.5	14
95	Flexible and Wearable All-Solid-State Supercapacitors with Ultrahigh Energy Density Based on a Carbon Fiber Fabric Electrode. <i>Advanced Energy Materials</i> , 2017, 7, 1700409.	10.2	169
96	Inner porous carbon nanofibers as binder-free electrodes for high-rate supercapacitors. <i>Electrochimica Acta</i> , 2017, 258, 1064-1071.	2.6	20
97	Carbon-coated Si nanoparticles/reduced graphene oxide multilayer anchored to nanostructured current collector as lithium-ion battery anode. <i>Applied Surface Science</i> , 2017, 396, 41-47.	3.1	49
98	Carbon-wrapped MnO nanodendrites interspersed on reduced graphene oxide sheets as anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , 2017, 394, 1-8.	3.1	30
99	<i>in situ</i> stress suppression of hydrogenated a-C _x film prepared via Ar gas introduction. <i>Surface and Interface Analysis</i> , 2017, 49, 370-375.	0.8	0
100	Wedge-shaped semiconductor nanowall arrays with excellent light management. <i>Optics Letters</i> , 2017, 42, 3928.	1.7	14
101	Fabrication of hybrid Co ₃ O ₄ /NiCo ₂ O ₄ nanosheets sandwiched by nanoneedles for high-performance supercapacitors using a novel electrochemical ion exchange. <i>Science China Materials</i> , 2017, 60, 1168-1178.	3.5	38
102	Phosphorus-doped silicon nanorod anodes for high power lithium-ion batteries. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 222-228.	1.5	11
103	Improved lithium-ion battery anode capacity with a network of easily fabricated spindle-like carbon nanofibers. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1289-1295.	1.5	6
104	Nanostructured semiconductor solar absorbers with near 100% absorption and related light management picture. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 215104.	1.3	11
105	Freestanding flexible graphene foams@polypyrrole@MnO ₂ electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9196-9203.	5.2	83
106	Fabrication of voids-involved SnO ₂ @C nanofibers electrodes with highly reversible Sn/SnO ₂ conversion and much enhanced coulombic efficiency for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 327, 21-28.	4.0	80
107	Rational design of hierarchical Ni embedded NiO hybrid nanospheres for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 72008-72014.	1.7	6
108	Vertical graphene nanosheets synthesized by thermal chemical vapor deposition and the field emission properties. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 385301.	1.3	22

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109	3D flexible O/N Co-doped graphene foams for supercapacitor electrodes with high volumetric and areal capacitances. <i>Journal of Power Sources</i> , 2016, 336, 455-464.	4.0	54
110	Ferrocene derived core-shell structural Fe ₃ O ₄ @C nanospheres for superior lithium storage properties. <i>Electrochimica Acta</i> , 2016, 220, 107-113.	2.6	38
111	Facilely scraping Si nanoparticles@reduced graphene oxide sheets onto nickel foam as binder-free electrodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 193, 246-252.	2.6	10
112	Facile fabrication of binder-free NiO electrodes with high rate capacity for lithium-ion batteries. <i>Applied Surface Science</i> , 2016, 368, 298-302.	3.1	35
113	A Low-Stress, Elastic, and Improved Hardness Hydrogenated Amorphous Carbon Film. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	1.5	0
114	Interconnected porous NiO@MnO ₂ nanosheets as anodes with excellent rate capability for lithium-ion batteries. <i>Materials Letters</i> , 2015, 157, 7-10.	1.3	20
115	DIP-coating process to fabricate SnO ₂ /C nanotube networks as binder-free anodes for lithium ion batteries. <i>Materials Letters</i> , 2015, 158, 244-247.	1.3	6
116	Germanium Anode with Excellent Lithium Storage Performance in a Germanium/Lithium-Cobalt Oxide Lithium-Ion Battery. <i>ACS Nano</i> , 2015, 9, 1858-1867.	7.3	148
117	Facile synthesis of porous Fe ₃ O ₄ @C nanospheres as high-performance anode for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1211-1215.	1.2	36
118	Ultra-thick porous films of graphene-encapsulated silicon nanoparticles as flexible anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 174, 688-695.	2.6	44
119	Electrochemically deposited interconnected porous Co ₃ O ₄ nanoflakes as anodes with excellent rate capability for lithium ion batteries. <i>RSC Advances</i> , 2015, 5, 36117-36121.	1.7	8
120	N-Doped Amorphous Carbon Coated Fe ₃ O ₄ /SnO ₂ Coaxial Nanofibers as a Binder-Free Self-Supported Electrode for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20334-20339.	4.0	82
121	Facile Synthesis of Porous MnO Microspheres for High-Performance Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1001-1007.	1.2	24
122	Facile synthesis of 3D networks of C/SnOx/C hybrid nanofibers with enhanced lithium storage. <i>Materials Letters</i> , 2014, 116, 271-274.	1.3	4
123	High areal capacity Li ion battery anode based on thick mesoporous Co ₃ O ₄ nanosheet networks. <i>Nano Energy</i> , 2014, 5, 91-96.	8.2	112
124	Preparation and visible-light photocatalytic activity of γ -Fe ₂ O ₃ / β -Fe ₂ O ₃ magnetic heterophase photocatalyst. <i>Materials Letters</i> , 2014, 118, 107-110.	1.3	45
125	Effect of Zn-substitution on cycling performance of γ -Co(OH) ₂ nanosheet electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2585.	5.2	53
126	Radial junction Si micro/nano-wire array photovoltaics: Recent progress from theoretical investigation to experimental realization. <i>Nano Energy</i> , 2014, 7, 10-24.	8.2	46

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127	Copper nanorods supported phosphorus-doped silicon for lithium storage application. <i>Materials Letters</i> , 2014, 117, 58-61.	1.3	19
128	A facile and inexpensive approach to improve the performance of silicon film as an anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14817.	5.2	12
129	Building a Ni ₃ S ₂ nanotube array and investigating its application as an electrode for lithium ion batteries. <i>Chemical Communications</i> , 2014, 50, 9361-9364.	2.2	84
130	Facile preparation of Mn ₃ O ₄ -coated carbon nanofibers on copper foam as a high-capacity and long-life anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17352-17358.	5.2	32
131	Facile synthesis of rGO/SnO ₂ composite anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17139-17145.	5.2	62
132	Interconnected MnO ₂ nanoflakes supported by 3D nanostructured stainless steel plates for lithium ion battery anodes. <i>Electrochimica Acta</i> , 2014, 121, 415-420.	2.6	34
133	Preparation and electrochemical performance of MWCNTs@MnO ₂ nanocomposite for lithium ion batteries. <i>Science China Technological Sciences</i> , 2014, 57, 1077-1080.	2.0	9
134	In situ coating of NiO on Ni-silicide nanowires with roughened surfaces for improved electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9156.	5.2	5
135	Magnetically Assembled Ni@Ag Urchin-Like Ensembles with Ultra-Sharp Tips and Numerous Gaps for SERS Applications. <i>Small</i> , 2014, 10, 2564-2569.	5.2	18
136	Carbon-Wrapped Fe ₃ O ₄ Nanoparticle Films Grown on Nickel Foam as Binder-Free Anodes for High-Rate and Long-Life Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 648-654.	4.0	60
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