Jang-Kyo Kim

List of Publications by Year
in descending order

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		1893	3915
411	37,428	102	177
papers	citations	h-index	g-index

422	422	422	32411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational Design of All Resistive Multifunctional Sensors with Stimulus Discriminability. Advanced Functional Materials, 2022, 32, .	14.9	33
2	NaF-rich solid electrolyte interphase for dendrite-free sodium metal batteries. Energy Storage Materials, 2022, 44, 477-486.	18.0	73
3	Interdigitated Three-Dimensional Heterogeneous Nanocomposites for High-Performance Mechanochromic Smart Membranes. ACS Nano, 2022, 16, 68-77.	14.6	15
4	Superinsulating BNNS/PVA Composite Aerogels with High Solar Reflectance for Energy-Efficient Buildings. Nano-Micro Letters, 2022, 14, 54.	27.0	36
5	Deciphering the exceptional kinetics of hierarchical nitrogen-doped carbon electrodes for high-performance vanadium redox flow batteries. Journal of Materials Chemistry A, 2022, 10, 5605-5613.	10.3	14
6	Highly Sodiophilic, Defectâ€Rich, Ligninâ€Derived Skeletal Carbon Nanofiber Host for Sodium Metal Batteries. Advanced Energy Materials, 2022, 12, .	19.5	47
7	Integrated Water and Thermal Managements in Bioinspired Hierarchical MXene Aerogels for Highly Efficient Solarâ€Powered Water Evaporation. Advanced Functional Materials, 2022, 32, .	14.9	94
8	Highly porous carbon nanofiber electrodes for vanadium redox flow batteries. Nanoscale, 2022, 14, 5804-5813.	5.6	16
9	Accelerating the dissolution kinetics of iodine with a cosolvent for a high-current zincâ€“iodine flow battery. Journal of Materials Chemistry A, 2022, 10, 14090-14097.	10.3	18
10	Liquefication for performance versatility. Nature Energy, 2022, 7, 478-479.	39.5	0
11	Rational design of two-dimensional nanofillers for polymer nanocomposites toward multifunctional applications. Progress in Materials Science, 2021, 115, 100708.	32.8	150
12	Green Strategies to Printed Sensors for Healthcare Applications. Polymer Reviews, 2021, 61, 116-156.	10.9	30
13	Rationally designed nanostructured metal chalcogenides for advanced sodium-ion batteries. Energy Storage Materials, 2021, 34, 582-628.	18.0	73
14	Unveiling solid electrolyte interface morphology and electrochemical kinetics of amorphous Sb2Se3/CNT composite anodes for ultrafast sodium storage. Carbon, 2021, 171, 119-129.	10.3	21
15	Unravelling intercalation-regulated nanoconfinement for durably ultrafast sieving graphene oxide membranes. Journal of Membrane Science, 2021, 619, 118791.	8.2	80
16	Discovering melamine-specific bioreceptors via phage display, constructing its validation method based on the quenching on nanocomplex, and applying screened bioreceptor to the electrochemical assay of melamine. Sensors and Actuators B: Chemical, 2021, 330, 129279.	7.8	2
17	In situ growth of Sn nanoparticles confined carbon-based TiO2/TiN composite with long-term cycling stability for sodium-ion batteries. Electrochimica Acta, 2021, 367, 137450.	5.2	16
18	Recent advances of bimetallic nanomaterials and its nanocomposites for biosensing applications. TrAC - Trends in Analytical Chemistry, 2021, 135, 116159.	11.4	49

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19	Flexible temperature sensors made of aligned electrospun carbon nanofiber films with outstanding sensitivity and selectivity towards temperature. Materials Horizons, 2021, 8, 1488-1498.	12.2	61
20	Metalâ€“organic framework-derived carbon as a positive electrode for high-performance vanadium redox flow batteries. Journal of Materials Chemistry A, 2021, 9, 5648-5656.	10.3	30
21	Beyond homogeneous dispersion: oriented conductive fillers for highÎ¹nanocomposites. Materials Horizons, 2021, 8, 3009-3042.	12.2	21
22	Hierarchical crumpled NiMn₂O₄@MXene composites for high rate ion transport electrochemical supercapacitors. Dalton Transactions, 2021, 50, 9827-9832.	3.3	9
23	Rational Exploration of Conversion-Alloying Reaction Based Anodes for High-Performance K-Ion Batteries. , 2021, 3, 406-413.		21
24	Revealing Cathodeâ€“Electrolyte Interface on Flowerâ€Shaped Na₃V₂(PO₄)₃/C Cathode through Cryogenic Electron Microscopy. Advanced Energy and Sustainability Research, 2021, 2, 2100072.	5.8	8
25	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. Nano-Micro Letters, 2021, 13, 122.	27.0	74
26	Enhanced Oxygen Evolution Reaction by Efficient Bubble Dynamics of Aligned Nonoxidized Graphene Aerogels. ACS Sustainable Chemistry and Engineering, 2021, 9, 10326-10334.	6.7	12
27	Recent advances in emerging nonaqueous K-ion batteries: from mechanistic insights to practical applications. Energy Storage Materials, 2021, 39, 305-346.	18.0	27
28	Morphology, chemistry, performance trident: Insights from hollow, mesoporous carbon nanofibers for dendrite-free sodium metal batteries. Nano Energy, 2021, 86, 106132.	16.0	34
29	MXene/polyurethane auxetic composite foam for electromagnetic interference shielding and impact attenuation. Composites Part A: Applied Science and Manufacturing, 2021, 147, 106430.	7.6	53
30	Understanding solid electrolyte interphases: Advanced characterization techniques and theoretical simulations. Nano Energy, 2021, 89, 106489.	16.0	43
31	Multifunctional microcellular PVDF/Ni-chains composite foams with enhanced electromagnetic interference shielding and superior thermal insulation performance. Chemical Engineering Journal, 2020, 379, 122304.	12.7	201
32	Role of the anatase/TiO₂(B) heterointerface for ultrastable high-rate lithium and sodium energy storage performance. Nanoscale Horizons, 2020, 5, 150-162.	8.0	88
33	Graphene-based wearable piezoresistive physical sensors. Materials Today, 2020, 36, 158-179.	14.2	262
34	Dual-phase MoS₂ as a high-performance sodium-ion battery anode. Journal of Materials Chemistry A, 2020, 8, 2114-2122.	10.3	160
35	A 3D porous FeP/rGO modulated separator as a dual-function polysulfide barrier for high-performance lithium sulfur batteries. Nanoscale Horizons, 2020, 5, 530-540.	8.0	90
36	Dendrite-free lithium metal and sodium metal batteries. Energy Storage Materials, 2020, 27, 522-554.	18.0	151

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37	MoSe2 nanosheets embedded in nitrogen/phosphorus co-doped carbon/graphene composite anodes for ultrafast sodium storage. Journal of Power Sources, 2020, 476, 228660.	7.8	28
38	Sodiophilically Graded Gold Coating on Carbon Skeletons for Highly Stable Sodium Metal Anodes. Small, 2020, 16, e2003815.	10.0	37
39	Sodium Batteries: Sodiophilically Graded Gold Coating on Carbon Skeletons for Highly Stable Sodium Metal Anodes (Small 40/2020). Small, 2020, 16, 2070223.	10.0	1
40	Inter-overlapped MoS₂/C composites with large-interlayer-spacing for high-performance sodium-ion batteries. Nanoscale Horizons, 2020, 5, 1127-1135.	8.0	30
41	3D graphene and boron nitride structures for nanocomposites with tailored thermal conductivities: recent advances and perspectives. Functional Composites and Structures, 2020, 2, 022001.	3.4	21
42	Enhancement of MoTe2 near-infrared absorption with gold hollow nanorods for photodetection. Nano Research, 2020, 13, 1636-1643.	10.4	21
43	Frontispiece: Molybdenum Disulfide Based Nanomaterials for Rechargeable Batteries. Chemistry - A European Journal, 2020, 26, .	3.3	0
44	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. Materials Horizons, 2020, 7, 2378-2389.	12.2	56
45	Highly Thermally Conductive Dielectric Nanocomposites with Synergistic Alignments of Graphene and Boron Nitride Nanosheets. Advanced Functional Materials, 2020, 30, 1910826.	14.9	223
46	Affinity-engineered carbon nanofibers as a scaffold for Na metal anodes. Journal of Materials Chemistry A, 2020, 8, 14757-14768.	10.3	22
47	Thin solid electrolyte interface on chemically bonded Sb2Te3/CNT composite anodes for high performance sodium ion full cells. Nano Energy, 2020, 71, 104613.	16.0	38
48	Hydrogel-derived VPO₄/porous carbon framework for enhanced lithium and sodium storage. Nanoscale, 2020, 12, 3812-3819.	5.6	25
49	Molybdenum Disulfide Based Nanomaterials for Rechargeable Batteries. Chemistry - A European Journal, 2020, 26, 6296-6319.	3.3	49
50	Metalâ€“organic framework-induced mesoporous carbon nanofibers as an ultrastable Na metal anode host. Journal of Materials Chemistry A, 2020, 8, 10269-10282.	10.3	47
51	Nano-fibrous composite sound absorbers inspired by owl feather surfaces. Applied Acoustics, 2019, 156, 151-157.	3.3	17
52	Building 3D Architecture in 2D Thin Film for Effective EMI Shielding. Matter, 2019, 1, 796-798.	10.0	14
53	Novel onion-like graphene aerogel beads for efficient solar vapor generation under non-concentrated illumination. Journal of Materials Chemistry A, 2019, 7, 4400-4407.	10.3	62
54	3D pomegranate-like TiN@graphene composites with electrochemical reaction chambers as sulfur hosts for ultralong-life lithiumâ€“sulfur batteries. Nanoscale Horizons, 2019, 4, 531-539.	8.0	53

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55	Non-flammable electrolyte for dendrite-free sodium-sulfur battery. Energy Storage Materials, 2019, 23, 8-16.	18.0	92
56	Highly Aligned, Anisotropic Carbon Nanofiber Films for Multidirectional Strain Sensors with Exceptional Selectivity. Advanced Functional Materials, 2019, 29, 1901623.	14.9	137
57	Two-dimensional porous silicon nanosheets as anode materials for high performance lithium-ion batteries. Nanoscale, 2019, 11, 10984-10991.	5.6	55
58	Ultrafast Li⁺ Diffusion Kinetics of 2D Oxidized Phosphorus for Quasi-Solid-State Bendable Batteries with Exceptional Energy Densities. Chemistry of Materials, 2019, 31, 4113-4123.	6.7	17
59	Self-limiting electrode with double-carbon layers as walls for efficient sodium storage performance. Nanoscale, 2019, 11, 11025-11032.	5.6	14
60	Graphene Oxide Aerogel Beads Filled with Phase Change Material for Latent Heat Storage and Release. ACS Applied Energy Materials, 2019, 2, 3657-3664.	5.1	42
61	Tungsten Nitride/Carbon Cloth as Bifunctional Electrode for Effective Polysulfide Recycling. ACS Applied Energy Materials, 2019, 2, 3314-3322.	5.1	35
62	Nitrogen-doped graphene fiber webs for multi-battery energy storage. Nanoscale, 2019, 11, 6334-6342.	5.6	38
63	Fabrication of Ti3+ doped TiO2 coated Mn3O4 nanorods with voids and channels for lithium storage. Chemical Engineering Journal, 2019, 370, 1425-1433.	12.7	31
64	Graphene/RuO2 nanocrystal composites as sulfur host for lithium-sulfur batteries. Journal of Energy Chemistry, 2019, 35, 204-211.	12.9	32
65	Novel mussel-inspired zwitterionic hydrophilic polymer to boost membrane water-treatment performance. Journal of Membrane Science, 2019, 582, 1-8.	8.2	109
66	Cr₂O₃nanosheet/carbon cloth anode with strong interaction and fast charge transfer for pseudocapacitive energy storage in lithium-ion batteries. RSC Advances, 2019, 9, 33446-33453.	3.6	20
67	A stretchable, conformable, and biocompatible graphene strain sensor based on a structured hydrogel for clinical application. Journal of Materials Chemistry A, 2019, 7, 27099-27109.	10.3	61
68	Electrosprayed multiscale porous carbon microspheres as sulfur hosts for long-life lithium-sulfur batteries. Carbon, 2019, 141, 16-24.	10.3	54
69	Spider-Web-Inspired Stretchable Graphene Woven Fabric for Highly Sensitive, Transparent, Wearable Strain Sensors. ACS Applied Materials & Interfaces, 2019, 11, 2282-2294.	8.0	105
70	Correlation between Li Plating Behavior and Surface Characteristics of Carbon Matrix toward Stable Li Metal Anodes. Advanced Energy Materials, 2019, 9, 1802777.	19.5	109
71	2D MoS2 grown on biomass-based hollow carbon fibers for energy storage. Applied Surface Science, 2019, 469, 854-863.	6.1	79
72	Cable-like double-carbon layers for fast ion and electron transport: An example of CNT@NCT@MnO2 3D nanostructure for high-performance supercapacitors. Carbon, 2019, 143, 335-342.	10.3	66

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73	Ultrathin Sb2S3 nanosheet anodes for exceptional pseudocapacitive contribution to multi-battery charge storage. Energy Storage Materials, 2019, 20, 36-45.	18.0	51
74	Vertically aligned ultrathin MoS2 nanosheets grown on graphene-wrapped hollow carbon microtubes derived from loofah sponge as advanced anodes for highly reversible lithium storage. Electrochimica Acta, 2019, 296, 989-998.	5.2	36
75	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. Electrochimica Acta, 2018, 268, 1-9.	5.2	61
76	Hierarchical MoS₂/Carbon microspheres as long-life and high-rate anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 5668-5677.	10.3	128
77	Carbon nanomaterials for advanced lithium sulfur batteries. Nano Today, 2018, 19, 84-107.	11.9	365
78	Evolution of Hollow Nâ€Doped Mesoporous Carbon Microspheres from Outdated Milk as Sulfur Cathodes for Lithiumâ€Sulfur Batteries. ChemistrySelect, 2018, 3, 3952-3957.	1.5	10
79	An Ultralight Graphene Honeycomb Sandwich for Stretchable Lightâ€Emitting Displays. Advanced Functional Materials, 2018, 28, 1707043.	14.9	61
80	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. ACS Applied Materials & Interfaces, 2018, 10, 6580-6592.	8.0	71
81	Revealing Pseudocapacitive Mechanisms of Metal Dichalcogenide SnS₂/Grapheneâ€CNT Aerogels for Highâ€Energy Na Hybrid Capacitors. Advanced Energy Materials, 2018, 8, 1702488.	19.5	135
82	Graphene-Directed Formation of a Nitrogen-Doped Porous Carbon Sheet with High Catalytic Performance for the Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2018, 122, 13508-13514.	3.1	16
83	A three-dimensional multilayer graphene web for polymer nanocomposites with exceptional transport properties and fracture resistance. Materials Horizons, 2018, 5, 275-284.	12.2	129
84	Core-shell structured Ni3S2 nanorods grown on interconnected Ni-graphene foam for symmetric supercapacitors. Electrochimica Acta, 2018, 271, 507-518.	5.2	42
85	4.2 Effect of Interface Strength on Metal Matrix Composites Properties. , 2018, , 22-59.		3
86	Restoration of Degraded Nickelâ€Rich Cathode Materials for Longâ€Life Lithiumâ€Ion Batteries. ChemElectroChem, 2018, 5, 78-83.	3.4	49
87	Sliced graphene foam films for dual-functional wearable strain sensors and switches. Nanoscale Horizons, 2018, 3, 35-44.	8.0	84
88	Rational Assembly of Hollow Microporous Carbon Spheres as P Hosts for Longâ€Life Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702267.	19.5	85
89	Rational design of double-confined Mn2O3/S@Al2O3 nanocube cathodes for lithium-sulfur batteries. Journal of Solid State Electrochemistry, 2018, 22, 849-858.	2.5	19
90	Highly conductive porous graphene/sulfur composite ribbon electrodes for flexible lithiumâ€“sulfur batteries. Nanoscale, 2018, 10, 21132-21141.	5.6	27

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91	Rational Design of 3D Honeycomb-Like SnS2 Quantum Dots/rGO Composites as High-Performance Anode Materials for Lithium/Sodium-Ion Batteries. Nanoscale Research Letters, 2018, 13, 389.	5.7	28
92	Metallic MoS₂ nanosheets: multifunctional electrocatalyst for the ORR, OER and Liâ€“O₂ batteries. Nanoscale, 2018, 10, 22549-22559.	5.6	93
93	Highly Conductive and Fracture-Resistant Epoxy Composite Based on Non-oxidized Graphene Flake Aerogel. ACS Applied Materials & Interfaces, 2018, 10, 37507-37516.	8.0	54
94	Co Nanoparticles Encapsulated in Porous N-Doped Carbon Nanofibers as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. Journal of the Electrochemical Society, 2018, 165, J3271-J3275.	2.9	26
95	Chemical interactions between red P and functional groups in NiP3/CNT composite anodes for enhanced sodium storage. Journal of Materials Chemistry A, 2018, 6, 20184-20194.	10.3	44
96	In situTEM study of lithiation into a PPy coated Î±-MnO₂/graphene foam freestanding electrode. Materials Chemistry Frontiers, 2018, 2, 1481-1488.	5.9	16
97	Novel 2D Sb₂S₃ Nanosheet/CNT Coupling Layer for Exceptional Polysulfide Recycling Performance. Advanced Energy Materials, 2018, 8, 1800710.	19.5	93
98	Mesoporous MnCo₂S₄ nanosheet arrays as an efficient catalyst for Liâ€“O₂ batteries. Nanoscale, 2018, 10, 15588-15599.	5.6	65
99	In Situ Formation of Copperâ€Based Hosts Embedded within 3D Nâ€Doped Hierarchically Porous Carbon Networks for Ultralong Cycle Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2018, 28, 1804520.	14.9	80
100	Ultrafine SnO2 nanoparticles encapsulated in ordered mesoporous carbon framework for Li-ion battery anodes. Electrochimica Acta, 2018, 284, 436-443.	5.2	52
101	Graphene/Boron Nitrideâ€“Polyurethane Microlaminates for Exceptional Dielectric Properties and High Energy Densities. ACS Applied Materials & Interfaces, 2018, 10, 26641-26652.	8.0	81
102	Size-dependent effects of graphene oxide on the osteogenesis of human adipose-derived mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2018, 169, 20-29.	5.0	33
103	Densely-stacked N-doped mesoporous TiO2/carbon microsphere derived from outdated milk as high-performance electrode material for energy storages. Ceramics International, 2018, 44, 16265-16272.	4.8	18
104	Room-temperature liquid metal-based anodes for high-energy potassium-based electrochemical devices. Chemical Communications, 2018, 54, 8032-8035.	4.1	47
105	In Situ TEM Study of Volume Expansion in Porous Carbon Nanofiber/Sulfur Cathodes with Exceptional Highâ€Rate Performance. Advanced Energy Materials, 2017, 7, 1602078.	19.5	93
106	Heterogeneous, mesoporous NiCo₂O₄â€“MnO₂/graphene foam for asymmetric supercapacitors with ultrahigh specific energies. Journal of Materials Chemistry A, 2017, 5, 3547-3557.	10.3	106
107	Ultralight Graphene Foam/Conductive Polymer Composites for Exceptional Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2017, 9, 9059-9069.	8.0	438
108	A Catalytic Etching-Wetting-Dewetting Mechanism in the Formation of Hollow Graphitic Carbon Fiber. CheM, 2017, 2, 299-310.	11.7	44

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109	Construction of tubular polypyrrole-wrapped biomass-derived carbon nanospheres as cathode materials for lithiumâ€“sulfur batteries. Journal Physics D: Applied Physics, 2017, 50, 115002.	2.8	16
110	Porous RuO2 nanosheet/CNT electrodes for DMSO-based Li-O2 and Li ion O2 batteries. Energy Storage Materials, 2017, 8, 110-118.	18.0	36
111	Facile Synthesis of Holothurianâ€Like Î³â€MnS/Carbon Nanotube Nanocomposites for Flexible Allâ€Solidâ€State Supercapacitors. ChemNanoMat, 2017, 3, 551-559.	2.8	17
112	Dense graphene monolith oxygen cathodes for ultrahigh volumetric energy densities. Energy Storage Materials, 2017, 9, 134-139.	18.0	19
113	Sb-doped SnO2/graphene-CNT aerogels for high performance Li-ion and Na-ion battery anodes. Energy Storage Materials, 2017, 9, 85-95.	18.0	85
114	Atomic scale, amorphous FeOx/carbon nanofiber anodes for Li-ion and Na-ion batteries. Energy Storage Materials, 2017, 8, 10-19.	18.0	78
115	Ultrathin ZnS nanosheet/carbon nanotube hybrid electrode for high-performance flexible all-solid-state supercapacitor. Nano Research, 2017, 10, 2570-2583.	10.4	100
116	A highly sensitive graphene woven fabric strain sensor for wearable wireless musical instruments. Materials Horizons, 2017, 4, 477-486.	12.2	194
117	Recent progress in rational design of anode materials for high-performance Na-ion batteries. Energy Storage Materials, 2017, 7, 64-114.	18.0	211
118	Lithiumâ€“Sulfur Battery Cable Made from Ultralight, Flexible Graphene/Carbon Nanotube/Sulfur Composite Fibers. Advanced Functional Materials, 2017, 27, 1604815.	14.9	176
119	Discovering a First-Order Phase Transition in the Liâ€“CeO₂ System. Nano Letters, 2017, 17, 1282-1288.	9.1	27
120	Unveiling the Unique Phase Transformation Behavior and Sodiation Kinetics of 1D van der Waals Sb₂S₃ Anodes for Sodium Ion Batteries. Advanced Energy Materials, 2017, 7, 1602149.	19.5	152
121	Growth of Carbon Nanotubes on Electrospun Cellulose Fibers for High Performance Supercapacitors. Journal of the Electrochemical Society, 2017, 164, A3220-A3228.	2.9	25
122	Ultrafast-Charging and Long-Life Li-Ion Battery Anodes of TiO₂-B and Anatase Dual-Phase Nanowires. ACS Applied Materials & Interfaces, 2017, 9, 35917-35926.	8.0	57
123	Graphene foam/carbon nanotube/poly(dimethyl siloxane) composites as excellent sound absorber. Composites Part A: Applied Science and Manufacturing, 2017, 102, 391-399.	7.6	54
124	Facile Solution Synthesis of Tungsten Trioxide Doped with Nanocrystalline Molybdenum Trioxide for Electrochromic Devices. Scientific Reports, 2017, 7, 13258.	3.3	42
125	Positive role of oxygen vacancy in electrochemical performance of CoMn 2 O 4 cathodes for Li-O 2 batteries. Journal of Power Sources, 2017, 365, 134-147.	7.8	84
126	Ultrahigh dielectric constant and low loss of highly-aligned graphene aerogel/poly(vinyl alcohol) composites with insulating barriers. Carbon, 2017, 123, 385-394.	10.3	114

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127	Nanosilicon anodes for high performance rechargeable batteries. Progress in Materials Science, 2017, 90, 1-44.	32.8	172
128	Encapsulation of Se/C into ultra-thin Ni(OH)2 nanosheets as cathode materials for lithium-selenium batteries. Journal of Solid State Electrochemistry, 2017, 21, 3611-3618.	2.5	14
129	A high-performance lithium ion oxygen battery consisting of Li2O2 cathode and lithiated aluminum anode with nafion membrane for reduced O2 crossover. Nano Energy, 2017, 40, 258-263.	16.0	35
130	Copper sulfide nanoneedles on CNT backbone composite electrodes for high-performance supercapacitors and Li-S batteries. Journal of Solid State Electrochemistry, 2017, 21, 349-359.	2.5	28
131	Reprint of Graphene foam/carbon nanotube/poly(dimethyl siloxane) composites for exceptional microwave shielding. Composites Part A: Applied Science and Manufacturing, 2017, 92, 190-197.	7.6	51
132	Monodisperse Copper Nanoparticles on Porphyrin-Derived Feâ€“N-Doped Carbon for Hydrogen Generation from Ammonia Borane. Science of Advanced Materials, 2017, 9, 1572-1577.	0.7	3
133	Multilayer Graphene Enables Higher Efficiency in Improving Thermal Conductivities of Graphene/Epoxy Composites. Nano Letters, 2016, 16, 3585-3593.	9.1	289
134	Ultralow Electrical Percolation in Graphene Aerogel/Epoxy Composites. Chemistry of Materials, 2016, 28, 6731-6741.	6.7	137
135	Anomalous Enhancement of Liâ€Ō₂ Battery Performance with Li₂O₂ Films Assisted by NiFeO_x Nanofiber Catalysts: Insights into Morphology Control. Advanced Functional Materials, 2016, 26, 8290-8299.	14.9	47
136	Three-Dimensional Porous Graphene Aerogel Cathode with High Sulfur Loading and Embedded TiO₂ Nanoparticles for Advanced Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 28663-28670.	8.0	100
137	Ultrafine TiO₂ Decorated Carbon Nanofibers as Multifunctional Interlayer for High-Performance Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2016, 8, 23105-23113.	8.0	200
138	Effect of functionalization on thermal conductivities of graphene/epoxy composites. Carbon, 2016, 108, 412-422.	10.3	184
139	Enhanced conversion reaction kinetics in low crystallinity SnO₂/CNT anodes for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10964-10973.	10.3	111
140	Study of lithiation mechanisms of high performance carbon-coated Si anodes by in-situ microscopy. Energy Storage Materials, 2016, 3, 45-54.	18.0	47
141	Electrospun graphitic carbon nanofibers with in-situ encapsulated Coâ€“Ni nanoparticles as freestanding electrodes for Liâ€“O2 batteries. Carbon, 2016, 100, 329-336.	10.3	79
142	Graphene foam/carbon nanotube/poly(dimethyl siloxane) composites for exceptional microwave shielding. Composites Part A: Applied Science and Manufacturing, 2016, 85, 199-206.	7.6	171
143	Carbon-coated mesoporous silicon microsphere anodes with greatly reduced volume expansion. Journal of Materials Chemistry A, 2016, 4, 6098-6106.	10.3	81
144	Effects of silane surfactant on Nano-ZnO and rheology properties of nano-ZnO/epoxy on the UV absorbability of nano-ZnO/epoxy/micron-HGF composite. Composites Part B: Engineering, 2016, 90, 378-385.	12.0	28

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145	NiCo2O4/CNT nanocomposites as bi-functional electrodes for Li ion batteries and supercapacitors. Carbon, 2016, 102, 262-272.	10.3	127
146	Graphene Oxide Papers Simultaneously Doped with Mg²⁺ and Cl^{â€“} for Exceptional Mechanical, Electrical, and Dielectric Properties. ACS Applied Materials & Interfaces, 2016, 8, 2360-2371.	8.0	34
147	Porous graphene oxide/carbon nanotube hybrid films as interlayer for lithium-sulfur batteries. Carbon, 2016, 99, 624-632.	10.3	246
148	Recent advances in electrospun carbon nanofibers and their application in electrochemical energy storage. Progress in Materials Science, 2016, 76, 319-380.	32.8	579
149	Hierarchical, porous CuS microspheres integrated with carbon nanotubes for high-performance supercapacitors. Scientific Reports, 2015, 5, 16584.	3.3	81
150	Ultrafine Amorphous SnO_x Embedded in Carbon Nanofiber/Carbon Nanotube Composites for Liâ€ion and Naâ€ion Batteries. Advanced Functional Materials, 2015, 25, 5222-5228.	14.9	104
151	Electrospun Carbon Nanofibers with in Situ Encapsulated Co₃O₄ Nanoparticles as Electrodes for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 13503-13511.	8.0	199
152	Novel interlayer made from Fe3C/carbon nanofiber webs for high performance lithiumâ€“sulfur batteries. Journal of Power Sources, 2015, 285, 43-50.	7.8	178
153	Mesoporous ZnCo₂O₄ nanoflakes grown on nickel foam as electrodes for high performance supercapacitors. Physical Chemistry Chemical Physics, 2015, 17, 17016-17022.	2.8	104
154	Hierarchical porous CuO nanostructures with tunable properties for high performance supercapacitors. RSC Advances, 2015, 5, 10773-10781.	3.6	53
155	Graphene Aerogel/Epoxy Composites with Exceptional Anisotropic Structure and Properties. ACS Applied Materials & Interfaces, 2015, 7, 5538-5549.	8.0	235
156	Hierarchical Core/Shell NiCo2O4@NiCo2O4 Nanocactus Arrays with Dual-functionalities for High Performance Supercapacitors and Li-ion Batteries. Scientific Reports, 2015, 5, 12099.	3.3	98
157	Graphene for Transparent Conductors. , 2015, , .		38
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