Wei-Li Song

List of Publications by Year
in descending order

168	13,810	28274	22166
papers	citations	55 h-index	113 g-index

171	171	171	11875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photo-electrochemical enhanced mechanism enables a fast-charging and high-energy aqueous Al/MnO2 battery. Energy Storage Materials, 2022, 45, 586-594.	18.0	19
2	Promoting the thermal transport via understanding the intrinsic relation between thermal conductivity and interfacial contact probability in the polymeric composites with hybrid fillers. Composites Part B: Engineering, 2022, 232, 109613.	12.0	37
3	Stable Quasiâ€Solidâ€State Aluminum Batteries. Advanced Materials, 2022, 34, e2104557.	21.0	19
4	Reconfigurable forceâ€“displacement profiles of the square-twist origami. International Journal of Solids and Structures, 2022, 241, 111471.	2.7	7
5	Electrocatalysis for Continuous Multiâ€Step Reactions in Quasiâ€Solidâ€State Electrolytes Towards Highâ€Energy and Longâ€Life Aluminumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
6	Electrocatalysis for Continuous Multiâ€Step Reactions in Quasiâ€Solidâ€State Electrolytes Towards Highâ€Energy and Longâ€Life Aluminumâ€“Sulfur Batteries. Angewandte Chemie, 2022, 134, .	2.0	3
7	An ultrahigh efficiency electrochemical actuator. Extreme Mechanics Letters, 2022, 53, 101691.	4.1	1
8	Understanding Enhanced Ionic Conductivity in Composite Solidâ€State Electrolyte in a Wide Frequency Range of 10 ^{â€“2} â€“10 ¹⁰ ÂHz. Advanced Science, 2022, , 2200213.	11.2	4
9	A 4D x-ray computer microtomography for high-temperature electrochemistry. Science Advances, 2022, 8, eabm5678.	10.3	11
10	A brief review on mechanical designs for 4D printing. , 2022, 01, .		1
11	Mechano-electrochemical perspectives on flexible lithium-ion batteries. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 1019-1036.	4.9	14
12	In-situ thermography revealing the evolution of internal short circuit of lithium-ion batteries. Journal of Power Sources, 2022, 540, 231602.	7.8	11
13	Al homogeneous deposition induced by N-containing functional groups for enhanced cycling stability of Al-ion battery negative electrode. Nano Research, 2021, 14, 646-653.	10.4	19
14	A dual-protection strategy using CMK-3 coated selenium and modified separators for high-energy Alâ€“Se batteries. Inorganic Chemistry Frontiers, 2021, 8, 1030-1038.	6.0	16
15	A highly conductive self-assembled multilayer graphene nanosheet film for electronic tattoos in the applications of human electrophysiology and strain sensing. Nanoscale, 2021, 13, 10798-10806.	5.6	14
16	Electrochemically manipulating BiFeO 3 particles via Bi 3+ ion extraction. Journal of the American Ceramic Society, 2021, 104, 3354-3364.	3.8	1
17	Nonaqueous Rechargeable Aluminum Batteries: Progresses, Challenges, and Perspectives. Chemical Reviews, 2021, 121, 4903-4961.	47.7	147
18	Strain Engineering in Electrochemical Activity and Stability of BiFeO₃ Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 4104-4111.	4.6	5

#	Article	IF	Citations
19	A Review of Integrated Systems Based on Perovskite Solar Cells and Energy Storage Units: Fundamental, Progresses, Challenges, and Perspectives. Advanced Science, 2021, 8, 2100552.	11.2	19
20	Internal field study of 21700 battery based on long-life embedded wireless temperature sensor. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 895-901.	3.4	19
21	Stable Highâ€Capacity Organic Aluminumâ€“Porphyrin Batteries. Advanced Energy Materials, 2021, 11, 2101446.	19.5	54
22	Temperature field evolution of cylindrical battery: In-situ visualizing experiments and high fidelity internal morphology simulations. Journal of Power Sources, 2021, 499, 229910.	7.8	3
23	Bidirectional Planar Flexible Snakeâ€Origami Batteries. Advanced Science, 2021, 8, e2101372.	11.2	24
24	Highly efficient achromatic subdiffraction focusing lens in the near field with large numerical aperture. Photonics Research, 2021, 9, 2088.	7.0	3
25	Quantificational 4D Visualization of Industrial Electrodeposition. Advanced Science, 2021, 8, e2101373.	11.2	9
26	All-carbon positive electrodes for stable aluminium batteries. Journal of Energy Chemistry, 2020, 42, 17-26.	12.9	27
27	Visualizing two-dimensional internal temperature distribution in cylindrical Li-ion cells. Journal of Power Sources, 2020, 446, 227343.	7.8	18
28	An all-dielectric 3D Luneburg lens constructed by common-vertex coaxial circular cones. Journal Physics D: Applied Physics, 2020, 53, 015110.	2.8	7
29	Modified separators for rechargeable high-capacity selenium-aluminium batteries. Chemical Engineering Journal, 2020, 385, 123452.	12.7	36
30	Customized Kirigami Electrodes for Flexible and Deformable Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 780-788.	8.0	50
31	Ionic Conductive Gels for Optically Manipulatable Microwave Stealth Structures. Advanced Science, 2020, 7, 1902162.	11.2	57
32	Liquid gallium as long cycle life and recyclable negative electrode for Al-ion batteries. Chemical Engineering Journal, 2020, 391, 123594.	12.7	25
33	Active cyano groups to coordinate AlCl2+ cation for rechargeable aluminum batteries. Energy Storage Materials, 2020, 33, 250-257.	18.0	49
34	Hexagon-Twist Frequency Reconfigurable Antennas via Multi-Material Printed Thermo-Responsive Origami Structures. Frontiers in Materials, 2020, 7, .	2.4	11
35	Nonmetal Current Collectors: The Key Component for Highâ€Energyâ€Density Aluminum Batteries. Advanced Materials, 2020, 32, e2001212.	21.0	26
36	Role of the binder in the mechanical integrity of micro-sized crystalline silicon anodes for Li-Ion batteries. Journal of Power Sources, 2020, 465, 228290.	7.8	12

#	Article	IF	Citations
37	Inâ€situ heat generation measurement of the anode and cathode in a singleâ€layer lithium ion battery cell. International Journal of Energy Research, 2020, 44, 9141-9148.	4.5	4
38	Stable Interface between a NaClâ€“AlCl₃ Melt and a Liquid Ga Negative Electrode for a Long-Life Stationary Al-Ion Energy Storage Battery. ACS Applied Materials & Interfaces, 2020, 12, 15063-15070.	8.0	12
39	Rechargeable Nickel Telluride/Aluminum Batteries with High Capacity and Enhanced Cycling Performance. ACS Nano, 2020, 14, 3469-3476.	14.6	70
40	Tailoring the Electrochemical Behaviors of Bismuth Ferrite Using Ca Ion Doping. Frontiers in Materials, 2020, 7, .	2.4	12
41	Active Reconfigurable Tristable Squareâ€Twist Origami. Advanced Functional Materials, 2020, 30, 1909087.	14.9	50
42	Stable wide-temperature and low volume expansion Al batteries: Integrating few-layer graphene with multifunctional cobalt boride nanocluster as positive electrode. Nano Research, 2020, 13, 419-429.	10.4	15
43	Sustainable recycling of titanium scraps and purity titanium production via molten salt electrolysis. Journal of Cleaner Production, 2020, 261, 121314.	9.3	26
44	Surface Evolution of Aluminum Electrodes in Non-Aqueous Aluminum Batteries. Journal of the Electrochemical Society, 2020, 167, 130530.	2.9	13
45	Gel electrolytes with a wide potential window for high-rate Al-ion batteries. Journal of Materials Chemistry A, 2019, 7, 20348-20356.	10.3	54
46	Electrochemomechanical coupled behaviors of deformation and failure in electrode materials for lithium-ion batteries. Science China Technological Sciences, 2019, 62, 1277-1296.	4.0	14
47	An in situ system for simultaneous stress measurement and optical observation of silicon thin film electrodes. Journal of Power Sources, 2019, 444, 227227.	7.8	14
48	Cu-Al Composite as the Negative Electrode for Long-life Al-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3539-A3545.	2.9	20
49	Depolarization Behavior of Ti Deposition at Liquid Metal Cathodes in a NaCl-KCl-KF Melt. Journal of the Electrochemical Society, 2019, 166, E401-E406.	2.9	6
50	Thick electrodes upon biomass-derivative carbon current collectors: High-areal capacity positive electrodes for aluminum-ion batteries. Electrochimica Acta, 2019, 323, 134805.	5.2	12
51	Metalâ€“organic framework derived hollow porous CuOâ€“CuCo₂O₄ dodecahedrons as a cathode catalyst for Liâ€“O₂ batteries. RSC Advances, 2019, 9, 16288-16295.	3.6	26
52	High-efficiency transformation of amorphous carbon into graphite nanoflakes for stable aluminum-ion battery cathodes. Nanoscale, 2019, 11, 12537-12546.	5.6	61
53	Cu-Doped Sr₂Fe_{1.5}Mo_{0.5}O_{6â^Î´} as a highly active cathode for solid oxide electrolytic cells. Chemical Communications, 2019, 55, 8009-8012.	4.1	42
54	Bismuth ferrite: an abnormal perovskite with electrochemical extraction of ions from A site. Journal of Materials Chemistry A, 2019, 7, 12176-12190.	10.3	25

#	Article	IF	Citations
55	Electroâ€“Chemoâ€“Mechanical Issues at the Interfaces in Solidâ€State Lithium Metal Batteries. Advanced Functional Materials, 2019, 29, 1900950.	14.9	124
56	Rechargeable ultrahigh-capacity telluriumâ€“aluminum batteries. Energy and Environmental Science, 2019, 12, 1918-1927.	30.8	172
57	Integrated design of component and configuration for a flexible and ultrabroadband radar absorbing composite. Composites Science and Technology, 2019, 176, 81-89.	7.8	46
58	Lithium redistribution around the crack tip of lithium-ion battery electrodes. Scripta Materialia, 2019, 167, 11-15.	5.2	21
59	A green electrochemical transformation of inferior coals to crystalline graphite for stable Li-ion storage. Journal of Materials Chemistry A, 2019, 7, 7533-7540.	10.3	35
60	Cellulose-derived flake graphite as positive electrodes for Al-ion batteries. Sustainable Energy and Fuels, 2019, 3, 3561-3568.	4.9	21
61	Twistable Origami and Kirigami: from Structure-Guided Smartness to Mechanical Energy Storage. ACS Applied Materials & Interfaces, 2019, 11, 3450-3458.	8.0	45
62	Bioinspired Controllable Electroâ€Chemomechanical Coloration Films. Advanced Functional Materials, 2019, 29, 1806383.	14.9	34
63	Flexible Stable Solidâ€State Alâ€ion Batteries. Advanced Functional Materials, 2019, 29, 1806799.	14.9	177
64	Metallic origami metastructures for high-temperature low electromagnetic reflectivity. Journal of Materials Science, 2019, 54, 6425-6433.	3.7	4
65	Ultrathin multifunctional carbon/glass fiber reinforced lossy lattice metastructure for integrated design of broadband microwave absorption and effective load bearing. Carbon, 2019, 144, 449-456.	10.3	62
66	Thickness evolution of graphite-based cathodes in the dual ion batteries via in operando optical observation. Journal of Energy Chemistry, 2019, 29, 122-128.	12.9	18
67	Experimental demonstration of invisible electromagnetic impedance matching cylindrical transformation optics cloak shell. Journal of Optics (United Kingdom), 2018, 20, 045608.	2.2	17
68	From nanoscale to macroscale: Engineering biomass derivatives with nitrogen doping for tailoring dielectric properties and electromagnetic absorption. Applied Surface Science, 2018, 439, 176-185.	6.1	26
69	A novel dual-graphite aluminum-ion battery. Energy Storage Materials, 2018, 12, 119-127.	18.0	86
70	Dense graphene papers: Toward stable and recoverable Al-ion battery cathodes with high volumetric and areal energy and power density. Energy Storage Materials, 2018, 13, 103-111.	18.0	81
71	Multi-scale design of electromagnetic composite metamaterials for broadband microwave absorption. Composites Science and Technology, 2018, 162, 206-214.	7.8	128
72	Failure mechanisms of 2D silicon film anodes: in situ observations and simulations on crack evolution. Chemical Communications, 2018, 54, 3997-4000.	4.1	47

#	Article	IF	Citations
73	Hydro-sensitive sandwich structures for self-tunable smart electromagnetic shielding. Chemical Engineering Journal, 2018, 344, 342-352.	12.7	90
74	Chemical reduction dependent dielectric properties and dielectric loss mechanism of reduced graphene oxide. Carbon, 2018, 127, 209-217.	10.3	268
75	In operando observation of chemical and mechanical stability of Li and Na dendrites under quasi-zero electrochemical field. Energy Storage Materials, 2018, 11, 118-126.	18.0	107
76	Effect of Defects on Diffusion Behaviors of Lithium-Ion Battery Electrodes: In Situ Optical Observation and Simulation. ACS Applied Materials & Interfaces, 2018, 10, 43623-43630.	8.0	16
77	Ultrathin Flexible Carbon Fiber Reinforced Hierarchical Metastructure for Broadband Microwave Absorption with Nano Lossy Composite and Multiscale Optimization. ACS Applied Materials & Interfaces, 2018, 10, 44731-44740.	8.0	86
78	Weather-Manipulated Smart Broadband Electromagnetic Metamaterials. ACS Applied Materials & Interfaces, 2018, 10, 40815-40823.	8.0	53
79	In situ optical observations and simulations on defect induced failure of silicon island anodes. Journal of Power Sources, 2018, 405, 101-105.	7.8	20
80	Ultrabroadband Three-Dimensional Printed Radial Perfectly Symmetric Gradient Honeycomb All-Dielectric Dual-Directional Lightweight Planar Luneburg Lens. ACS Applied Materials & Interfaces, 2018, 10, 38404-38409.	8.0	14
81	Smart mechano-hydro-dielectric coupled hybrid sponges for multifunctional sensors. Sensors and Actuators B: Chemical, 2018, 270, 239-246.	7.8	16
82	Ultraâ€Lightweight 3D Carbon Current Collectors: Constructing Allâ€Carbon Electrodes for Stable and High Energy Density Dualâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801439.	19.5	80
83	Tin nanoparticles embedded in porous N-doped graphene-like carbon network as high-performance anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 699, 730-737.	5.5	36
84	Assembling carbon fiberâ€“grapheneâ€“carbon fiber hetero-structures into 1Dâ€“2Dâ€“1D junction fillers and patterned structures for improved microwave absorption. Journal Physics D: Applied Physics, 2017, 50, 135303.	2.8	14
85	Towards nanostructured boron nitride films. Journal of Materials Science: Materials in Electronics, 2017, 28, 9048-9055.	2.2	2
86	A universal permittivity-attenuation evaluation diagram for accelerating design of dielectric-based microwave absorption materials: A case of graphene-based composites. Carbon, 2017, 118, 86-97.	10.3	61
87	Three-dimensional porous carbon-coated graphene composite as high-stable and long-life anode for sodium-ion batteries. Chemical Engineering Journal, 2017, 316, 645-654.	12.7	49
88	A wearable microwave absorption cloth. Journal of Materials Chemistry C, 2017, 5, 2432-2441.	5.5	100
89	Geometric design of micron-sized crystalline silicon anodes through in situ observation of deformation and fracture behaviors. Journal of Materials Chemistry A, 2017, 5, 12793-12802.	10.3	38
90	Prestoring Lithium into Stable 3D Nickel Foam Host as Dendriteâ€Free Lithium Metal Anode. Advanced Functional Materials, 2017, 27, 1700348.	14.9	686

#	Article	IF	Citations
91	Graphene oxide foams: the simplest carbon-air prototypes for unique variable dielectrics. Journal of Materials Chemistry C, 2017, 5, 3397-3407.	5.5	16
92	Graphene-Based Sandwich Structures for Frequency Selectable Electromagnetic Shielding. ACS Applied Materials & Interfaces, 2017, 9, 36119-36129.	8.0	135
93	Flexible Semitransparent Energy Harvester with High Pressure Sensitivity and Power Density Based on Laterally Aligned PZT Single-Crystal Nanowires. ACS Applied Materials & Interfaces, 2017, 9, 24696-24703.	8.0	48
94	Constructing Repairable Meta-Structures of Ultra-Broad-Band Electromagnetic Absorption from Three-Dimensional Printed Patterned Shells. ACS Applied Materials & Interfaces, 2017, 9, 43179-43187.	8.0	84
95	Batteries: Prestoring Lithium into Stable 3D Nickel Foam Host as Dendriteâ€Free Lithium Metal Anode (Adv. Funct. Mater. 24/2017). Advanced Functional Materials, 2017, 27, .	14.9	5
96	Assembly of graphene aerogels into the 3D biomass-derived carbon frameworks on conductive substrates for flexible supercapacitors. Carbon, 2017, 111, 658-666.	10.3	104
97	A general model of dielectric constant for porous materials. Applied Physics Letters, 2016, 108, .	3.3	37
98	Mg-substitution for promoting magnetic and ferroelectric properties of BiFeO3 multiferroic nanoparticles. Materials Letters, 2016, 175, 207-211.	2.6	40
99	Unusual continuous dual absorption peaks in Ca-doped BiFeO₃nanostructures for broadened microwave absorption. Nanoscale, 2016, 8, 10415-10424.	5.6	147
100	Hierarchical porous reduced graphene oxide/SnO 2 networks as highly stable anodes for lithium-ion batteries. Electrochimica Acta, 2016, 207, 9-15.	5.2	65
101	Confined Porous Graphene/SnO_x Frameworks within Polyaniline-Derived Carbon as Highly Stable Lithium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2016, 8, 13410-13417.	8.0	38
102	Double carbon decorated lithium titanate as anode material with high rate performance for lithium-ion batteries. Progress in Natural Science: Materials International, 2016, 26, 283-288.	4.4	11
103	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. Carbon, 2016, 100, 109-117.	10.3	195
104	Biomass derivative/graphene aerogels for binder-free supercapacitors. Energy Storage Materials, 2016, 3, 113-122.	18.0	72
105	Insight into Macroscopic Metal-Assisted Chemical Etching for Silicon Nanowires. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 1019-1028.	4.9	2
106	Threeâ€Dimensional Interconnected Network of Grapheneâ€Wrapped Silicon/Carbon Nanofiber Hybrids for Binderâ€Free Anodes in Lithiumâ€Ion Batteries. ChemElectroChem, 2015, 2, 1699-1706.	3.4	44
107	High nitrogen-containing cotton derived 3D porous carbon frameworks for high-performance supercapacitors. Scientific Reports, 2015, 5, 15388.	3.3	44
108	Enhanced rate performance of lithium titanium oxide anode material by bromine doping. Ionics, 2015, 21, 3169-3176.	2.4	15

#	Article	IF	Citations
109	Synthesis of TiO_x Nanotubular Arrays with Oxygen Defects as Highâ€Performance Anodes for Lithiumâ€Ion Batteries. ChemElectroChem, 2015, 2, 421-426.	3.4	19
110	Boron Nitride Nanomaterials for Thermal Management Applications. ChemPhysChem, 2015, 16, 1339-1346.	2.1	119
111	A Versatile Strategy toward Binary Three-Dimensional Architectures Based on Engineering Graphene Aerogels with Porous Carbon Fabrics for Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 4257-4264.	8.0	66
112	Effect of alumina on triethylene glycol diacetate-2-propenoic acid butyl ester composite polymer electrolytes for flexible lithium ion batteries. Journal of Power Sources, 2015, 279, 405-412.	7.8	47
113	Scalable fabrication of exceptional 3D carbon networks for supercapacitors. Journal of Materials Chemistry A, 2015, 3, 16104-16111.	10.3	55
114	Flexible, high-voltage and free-standing composite polymer electrolyte membrane based on triethylene glycol diacetate-2-propenoic acid butyl ester copolymer for lithium-ion batteries. Journal of Membrane Science, 2015, 492, 490-496.	8.2	38
115	Effect of polyacrylonitrile on triethylene glycol diacetate-2-propenoic acid butyl ester gel polymer electrolytes with interpenetrating crosslinked network for flexible lithium ion batteries. Journal of Power Sources, 2015, 295, 139-148.	7.8	40
116	Facile fabrication of polyacrylonitrile/alumina composite membranes based on triethylene glycol diacetate-2-propenoic acid butyl ester gel polymer electrolytes for high-voltage lithium-ion batteries. Journal of Membrane Science, 2015, 486, 21-28.	8.2	73
117	Tuning three-dimensional textures with graphene aerogels for ultra-light flexible graphene/texture composites of effective electromagnetic shielding. Carbon, 2015, 93, 151-160.	10.3	213
118	Alcohol-dependent environments for fabricating graphene aerogels toward supercapacitors. Electrochimica Acta, 2015, 173, 1-6.	5.2	16
119	Interconnected TiOx/carbon hybrid framework incorporated silicon for stable lithium ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 12709-12717.	10.3	27
120	Engineering graphene aerogels with porous carbon of large surface area for flexible all-solid-state supercapacitors. Electrochimica Acta, 2015, 165, 92-97.	5.2	46
121	Tuning broadband microwave absorption via highly conductive Fe3O4/graphene heterostructural nanofillers. Materials Research Bulletin, 2015, 72, 316-323.	5.2	55
122	Exceptional electrical and thermal transport properties in tunable all-graphene papers. RSC Advances, 2015, 5, 75239-75247.	3.6	22
123	Highly stable GeO_x@C coreâ€“shell fibrous anodes for improved capacity in lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19907-19912.	10.3	37
124	Enhanced electrochemical performance of Li4Ti5O12 as anode material for lithium-ion batteries with different carbons as support. Journal of Alloys and Compounds, 2015, 646, 189-194.	5.5	25
125	Hollow Coreâ€“Shell SnO₂/C Fibers as Highly Stable Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 21472-21478.	8.0	123
126	Facile Fabrication of Binder-free Metallic Tin Nanoparticle/Carbon Nanofiber Hybrid Electrodes for Lithium-ion Batteries. Electrochimica Acta, 2015, 153, 468-475.	5.2	50

#	Article	IF	Citations
127	Magnetic and conductive graphene papers toward thin layers of effective electromagnetic shielding. Journal of Materials Chemistry A, 2015, 3, 2097-2107.	10.3	208
128	Highly uniform silicon nanoparticle/porous carbon nanofiber hybrids towards free-standing high-performance anodes for lithium-ion batteries. Carbon, 2015, 82, 337-345.	10.3	117
129	Threeâ€Dimensional Porous Carbonâ€“Silicon Frameworks as Highâ€Performance Anodes for Lithiumâ€Ion Batteries. ChemElectroChem, 2014, 1, 2124-2130.	3.4	35
130	Flexible graphene/polymer composite films in sandwich structures for effective electromagnetic interference shielding. Carbon, 2014, 66, 67-76.	10.3	473
131	A strategy for scalable synthesis of Li4Ti5O12/reduced graphene oxide toward high rate lithium-ion batteries. Electrochemistry Communications, 2014, 40, 1-4.	4.7	54
132	Nano-scale and micron-scale manganese dioxide vs corresponding paraffin composites for electromagnetic interference shielding and microwave absorption. Materials Research Bulletin, 2014, 51, 277-286.	5.2	22
133	Facile fabrication of safe and robust polyimide fibrous membrane based on triethylene glycol diacetate-2-propenoic acid butyl ester gel electrolytes for lithium-ion batteries. Electrochimica Acta, 2014, 149, 176-185.	5.2	29
134	Hollow coreâ€“shell structured Si/C nanocomposites as high-performance anode materials for lithium-ion batteries. Nanoscale, 2014, 6, 3138-3142.	5.6	126
135	Flexible Grapheneâ€“Graphene Composites of Superior Thermal and Electrical Transport Properties. ACS Applied Materials & Interfaces, 2014, 6, 15026-15032.	8.0	97
136	Rational design of graphene/porous carbon aerogels for high-performance flexible all-solid-state supercapacitors. Journal of Materials Chemistry A, 2014, 2, 10895-10903.	10.3	103
137	Beta-manganese dioxide nanorods for sufficient high-temperature electromagnetic interference shielding in X-band. Applied Physics A: Materials Science and Processing, 2014, 116, 1779-1783.	2.3	28
138	Electrospun polyimide-based fiber membranes as polymer electrolytes for lithium-ion batteries. Electrochimica Acta, 2014, 132, 538-544.	5.2	96
139	Highly ordered porous carbon/wax composites for effective electromagnetic attenuation and shielding. Carbon, 2014, 77, 130-142.	10.3	271
140	Facile fabrication of ultrathin graphene papers for effective electromagnetic shielding. Journal of Materials Chemistry C, 2014, 2, 5057-5064.	5.5	159
141	Interfacial Engineering of Carbon Nanofiberâ€“Grapheneâ€“Carbon Nanofiber Heterojunctions in Flexible Lightweight Electromagnetic Shielding Networks. ACS Applied Materials & Interfaces, 2014, 6, 10516-10523.	8.0	198
142	Electrical conductivity and microwave absorption of shortened multi-walled carbon nanotube/alumina ceramic composites. Ceramics International, 2013, 39, 5979-5983.	4.8	63
143	Temperature dependent microwave attenuation behavior for carbon-nanotube/silica composites. Carbon, 2013, 65, 124-139.	10.3	1,009
144	Graphene-supported Pd catalysts for reversible hydrogen storage in LiBH4. Journal of Alloys and Compounds, 2013, 564, 84-90.	5.5	21

#	Article	IF	Citations
145	Ni-decorated SiC powders: Enhanced high-temperature dielectric properties and microwave absorption performance. Powder Technology, 2013, 237, 309-313.	4.2	75
146	High dielectric loss and microwave absorption behavior of multiferroic BiFeO 3 ceramic. Ceramics International, 2013, 39, 7241-7246.	4.8	49
147	Alignment of graphene sheets in wax composites for electromagnetic interference shielding improvement. Nanotechnology, 2013, 24, 115708.	2.6	87
148	Improved dielectric properties and highly efficient and broadened bandwidth electromagnetic attenuation of thickness-decreased carbon nanosheet/wax composites. Journal of Materials Chemistry C, 2013, 1, 1846.	5.5	98
149	Effects of the functional groups on the electrochemical properties of ordered porous carbon for supercapacitors. Electrochimica Acta, 2013, 105, 299-304.	5.2	155
150	Tetra-needle zinc oxide/silica composites: High-temperature dielectric properties at X-band. Solid State Communications, 2013, 154, 64-68.	1.9	20
151	Light-weight nanocomposite materials with enhanced thermal transport properties. Nanotechnology Reviews, 2012, 1, 363-376.	5.8	22
152	Supercritical fluid conversion of graphene oxides. Journal of Supercritical Fluids, 2012, 61, 206-211.	3.2	42
153	Polymer/carbon nanocomposites for enhanced thermal transport properties â€“ carbon nanotubes versus graphene sheets as nanoscale fillers. Journal of Materials Chemistry, 2012, 22, 17133.	6.7	77
154	Polymeric nanocomposites with graphene sheets â€“ Materials and device for superior thermal transport properties. Polymer, 2012, 53, 3910-3916.	3.8	41
155	Ferroferric Oxide/Multiwalled Carbon Nanotube vs Polyaniline/Ferroferric Oxide/Multiwalled Carbon Nanotube Multiheterostructures for Highly Effective Microwave Absorption. ACS Applied Materials & Interfaces, 2012, 4, 6949-6956.	8.0	823
156	Polymer/Boron Nitride Nanocomposite Materials for Superior Thermal Transport Performance. Angewandte Chemie - International Edition, 2012, 51, 6498-6501.	13.8	356
157	Synthesis of zinc oxide particles coated multiwalled carbon nanotubes: Dielectric properties, electromagnetic interference shielding and microwave absorption. Materials Research Bulletin, 2012, 47, 1747-1754.	5.2	122
158	Noncovalent Interactions of Derivatized Pyrenes with Metallic and Semiconducting Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 11010-11015.	3.1	16
159	Enhanced piezoelectric and mechanical properties of ZnO whiskers and Sb2O3 co-modified lead zirconate titanate composites. Materials Letters, 2010, 64, 1798-1801.	2.6	31
160	Scattering mechanisms and anomalous conductivity of heavily N-doped 3C-SiC in ultraviolet region. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2286-2289.	2.1	21
161	Dynamic compressive response and failure behavior of fiber polymer composites embedded with tetra-needle-like ZnO nanowhiskers. Composite Structures, 2010, 92, 2984-2991.	5.8	20
162	The effects of temperature and frequency on the dielectric properties, electromagnetic interference shielding and microwave-absorption of short carbon fiber/silica composites. Carbon, 2010, 48, 788-796.	10.3	1,582

#	Article	IF	Citations
163	Microwave responses and general model of nanotetraneedle ZnO: Integration of interface scattering, microcurrent, dielectric relaxation, and microantenna. Journal of Applied Physics, 2010, 107, 054304.	2.5	53
164	Effects of concentration of chloride anion on the morphology and microstructure of precipitates from lead nitrate solutions. CrystEngComm, 2010, 12, 1790.	2.6	11
165	High-temperature microwave absorption and evolutionary behavior of multiwalled carbon nanotube nanocomposite. Scripta Materialia, 2009, 61, 201-204.	5.2	204
166	High dielectric loss and its monotonic dependence of conducting-dominated multiwalled carbon nanotubes/silica nanocomposite on temperature ranging from 373 to 873 K in X-band. Applied Physics Letters, 2009, 94, .	3.3	333
167	Preparation and properties of ZnO nano-whiskers. Science in China Series D: Earth Sciences, 2008, 51, 1433-1438.	0.9	16
168	High-temperature dielectric properties and enhanced temperature-response attenuation of Î²-MnO2 nanorods. Applied Physics Letters, 2008, 93, 223112.	3.3	65