Graphene Oxideâ^'MnO₂ Nanocomposites

ACS Nano

4, 2822-2830

DOI: 10.1021/nn901311t

Citation Report

#	Article	IF	Citations
5	TiO₂â^'Graphene Nanocomposites for Gas-Phase Photocatalytic Degradation of Volatile Aromatic Pollutant: Is TiO₂â^'Graphene Truly Different from Other TiO₂â^'Carbon Composite Materials?. ACS Nano, 2010, 4, 7303-7314.	7.3	1,559
6	Graphene and Graphene Oxide: Synthesis, Properties, and Applications. Advanced Materials, 2010, 22, 3906-3924.	11.1	8,959
7	Facile solvothermal synthesis of a graphene nanosheetâ€“bismuth oxide composite and its electrochemical characteristics. Electrochimica Acta, 2010, 55, 8974-8980.	2.6	153
8	A BRIEF REVIEW ON GRAPHENE-NANOPARTICLE COMPOSITES. Cosmos, 2010, 06, 159-166.	0.4	24
9	Highly Regulated Electrodeposition of Needle-Like Manganese Oxide Nanofibers on Carbon Fiber Fabric for Electrochemical Capacitors. Journal of Physical Chemistry C, 2010, 114, 21861-21867.	1.5	91
10	One-Step Synthesis of Grapheneâ^'Cobalt Hydroxide Nanocomposites and Their Electrochemical Properties. Journal of Physical Chemistry C, 2010, 114, 11829-11834.	1.5	313
11	Printable magnetite and pyrrole treated magnetite based electrodes for supercapacitors. Journal of Materials Chemistry, 2010, 20, 7637.	6.7	102
12	Hierarchical Nanocomposites of Polyaniline Nanowire Arrays on Graphene Oxide Sheets with Synergistic Effect for Energy Storage. ACS Nano, 2010, 4, 5019-5026.	7.3	1,287
13	Aryne cycloaddition: highly efficient chemical modification of graphene. Chemical Communications, 2010, 46, 7340.	2.2	254
14	Graphene-Based Supercapacitor with an Ultrahigh Energy Density. Nano Letters, 2010, 10, 4863-4868.	4.5	2,875
15	In situ Polymerization Approach to Graphene-Reinforced Nylon-6 Composites. Macromolecules, 2010, 43, 6716-6723.	2.2	629
16	One-pot, water-phase approach to high-quality graphene/TiO2 composite nanosheets. Chemical Communications, 2010, 46, 7148.	2.2	183
17	High-Energy MnO₂ Nanowire/Graphene and Graphene Asymmetric Electrochemical Capacitors. ACS Nano, 2010, 4, 5835-5842.	7.3	1,448
18	From Graphene to Metal Oxide Nanolamellas: A Phenomenon of Morphology Transmission. ACS Nano, 2010, 4, 6212-6218.	7.3	116
19	One-pot synthesis of functional two-dimensional graphene/SnO2 composite nanosheets as a building block for self-assembly and an enhancing nanomaterial for biosensing. Journal of Materials Chemistry, 2011, 21, 16911.	6.7	62
20	Electrochemical behavior of graphene nanosheets in alkylimidazolium tetrafluoroborate ionic liquid electrolytes: influences of organic solvents and the alkyl chains. Journal of Materials Chemistry, 2011, 21, 13205.	6.7	63
21	Highly conductive and flexible mesoporous graphitic films prepared by graphitizing the composites of graphene oxide and nanodiamond. Journal of Materials Chemistry, 2011, 21, 7154.	6.7	85
22	Preparation and Characterization of Graphene Oxide-ZnO Nanocomposites. Materials Science Forum, 2011, 688, 228-232.	0.3	4

#	Article	IF	Citations
23	Electrochemical Capacitors Based on Graphene Oxide Sheets Using Different Aqueous Electrolytes. Journal of Physical Chemistry C, 2011, 115, 12367-12374.	1.5	124
24	What is the choice for supercapacitors: graphene or graphene oxide?. Energy and Environmental Science, 2011, 4, 2826.	15.6	666
25	Ultralong single crystalline V2O5 nanowire/graphene composite fabricated by a facile green approach and its lithium storage behavior. Energy and Environmental Science, 2011, 4, 4000.	15.6	252
26	Highâ€“rate electrochemical capacitors from highly graphitic carbonâ€“tipped manganese oxide/mesoporous carbon/manganese oxide hybrid nanowires. Energy and Environmental Science, 2011, 4, 1813.	15.6	315
27	Hierarchically structured carbon-based composites: Design, synthesis and their application in electrochemical capacitors. Nanoscale, 2011, 3, 529-545.	2.8	281
28	Hybrid structure of cobalt monoxide nanowire @ nickel hydroxidenitrate nanoflake aligned on nickel foam for high-rate supercapacitor. Energy and Environmental Science, 2011, 4, 4496.	15.6	386
29	Flexible Zn₂SnO₄/MnO₂ Core/Shell Nanocableâ˜†Carbon Microfiber Hybrid Composites for High-Performance Supercapacitor Electrodes. Nano Letters, 2011, 11, 1215-1220.	4.5	807
30	Supercapacitors based on self-assembled graphene organogel. Physical Chemistry Chemical Physics, 2011, 13, 17249.	1.3	123
31	Design and synthesis of NiCo2O4â€“reduced graphene oxide composites for high performance supercapacitors. Journal of Materials Chemistry, 2011, 21, 10504.	6.7	332
32	Functionalized graphene oxide modified polysebacic anhydride as drug carrier for levofloxacin controlled release. RSC Advances, 2011, 1, 1737.	1.7	57
33	High-Performance Nanostructured Supercapacitors on a Sponge. Nano Letters, 2011, 11, 5165-5172.	4.5	670
34	Zinc Oxide/Reduced Graphene Oxide Composites and Electrochemical Capacitance Enhanced by Homogeneous Incorporation of Reduced Graphene Oxide Sheets in Zinc Oxide Matrix. Journal of Physical Chemistry C, 2011, 115, 2563-2571.	1.5	342
35	Electrostatic layer-by-layer self-assembly multilayer films based on graphene and manganese dioxide sheets as novel electrode materials for supercapacitors. Journal of Materials Chemistry, 2011, 21, 3397.	6.7	212
36	ZnO@MoO3 core/shell nanocables: facile electrochemical synthesis and enhanced supercapacitor performances. Journal of Materials Chemistry, 2011, 21, 4217.	6.7	178
37	Monolayer graphene/NiO nanosheets with two-dimension structure for supercapacitors. Journal of Materials Chemistry, 2011, 21, 18792.	6.7	305
38	Microwave-assisted covalent modification of graphene nanosheets with hydroxypropyl-Î²-cyclodextrin and its electrochemical detection of phenolic organic pollutants. Journal of Materials Chemistry, 2011, 21, 10463.	6.7	116
39	One dimensional MnO2/titanium nitride nanotube coaxial arrays for high performance electrochemical capacitive energy storage. Energy and Environmental Science, 2011, 4, 3502.	15.6	221
40	Graphene based new energy materials. Energy and Environmental Science, 2011, 4, 1113.	15.6	1,789

#	Article	IF	Citations
41	Single-layer graphene oxide sheet: a novel substrate for dip-pen nanolithography. Chemical Communications, 2011, 47, 10070.	2.2	16
42	Electrochemical capacitors utilising transition metal oxides: an update of recent developments. RSC Advances, 2011, 1, 1171.	1.7	278
43	Nitrogen-Doped Graphene for High-Performance Ultracapacitors and the Importance of Nitrogen-Doped Sites at Basal Planes. Nano Letters, 2011, 11, 2472-2477.	4.5	1,547
44	Symmetrical MnO₂â€“Carbon Nanotubeâ€“Textile Nanostructures for Wearable Pseudocapacitors with High Mass Loading. ACS Nano, 2011, 5, 8904-8913.	7.3	582
45	Modification of Graphene Oxide with Amphiphilic Double-Crystalline Block Copolymer Polyethylene-b-poly(ethylene oxide) with Assistance of Supercritical CO₂ and Its Further Functionalization. Journal of Physical Chemistry B, 2011, 115, 5815-5826.	1.2	36
46	Tailoring oxidation degrees of graphene oxide by simple chemical reactions. Applied Physics Letters, 2011, 99, .	1.5	42
47	Facile synthesis of two-dimensional graphene/SnO2/Pt ternary hybrid nanomaterials and their catalytic properties. Nanoscale, 2011, 3, 4376.	2.8	73
48	Superior Capacitance of Functionalized Graphene. Journal of Physical Chemistry C, 2011, 115, 7120-7125.	1.5	307
49	Flexible graphene/MnO2 composite papers for supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 14706.	6.7	389
50	MnO2 assisted oxidative polymerization of aniline on graphene sheets: Superior nanocomposite electrodes for electrochemical supercapacitors. Journal of Materials Chemistry, 2011, 21, 16216.	6.7	63
51	SnO2 nanosheets grown on graphene sheets with enhanced lithium storage properties. Chemical Communications, 2011, 47, 7155.	2.2	387
52	Facile synthesis of NiAl-layered double hydroxide/graphene hybrid with enhanced electrochemical properties for detection of dopamine. Nanoscale, 2011, 3, 4240.	2.8	110
53	Uniform dispersion of Pd nanoparticles on carbon nanostructures using a supercritical fluid deposition technique and their catalytic performance towards hydrogen spillover. Journal of Materials Chemistry, 2011, 21, 19063.	6.7	44
54	Fabrication of gold nanoparticle/graphene oxide nanocomposites and their excellent catalytic performance. Journal of Materials Chemistry, 2011, 21, 11080.	6.7	152
55	High-performance supercapacitor electrodes based on graphene hydrogels modified with 2-aminoanthraquinone moieties. Physical Chemistry Chemical Physics, 2011, 13, 11193.	1.3	167
56	Graphene-based nanomaterials for energy storage. Energy and Environmental Science, 2011, 4, 668-674.	15.6	1,169
57	The role of nanomaterials in redox-based supercapacitors for next generation energy storage devices. Nanoscale, 2011, 3, 839.	2.8	778
58	Graphene Surface-Enabled Lithium Ion-Exchanging Cells: Next-Generation High-Power Energy Storage Devices. Nano Letters, 2011, 11, 3785-3791.	4.5	239

#	Article	IF	Citations
59	Pyrolyzed graphene oxide/resorcinol-formaldehyde resin composites as high-performance supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 2663.	6.7	87
60	Surfactant-intercalated, chemically reduced graphene oxide for high performance supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 7302.	6.7	262
61	Magnetically Separable ZnFe₂O₄â€“Graphene Catalyst and its High Photocatalytic Performance under Visible Light Irradiation. Industrial & Engineering Chemistry Research, 2011, 50, 7210-7218.	1.8	512
62	Instantaneous Formation of Metal and Metal Oxide Nanoparticles on Carbon Nanotubes and Graphene via Solvent-Free Microwave Heating. ACS Applied Materials & Interfaces, 2011, 3, 1652-1664.	4.0	97
63	Synthesis of layered birnessite-type manganese oxide thin films on plastic substrates by chemical bath deposition for flexible transparent supercapacitors. Journal of Alloys and Compounds, 2011, 509, 10234-10240.	2.8	69
64	Graphene-based electrochemical energy conversion and storage: fuel cells, supercapacitors and lithium ion batteries. Physical Chemistry Chemical Physics, 2011, 13, 15384.	1.3	488
65	Graphene nanoplatelets supported MnO2 nanoparticles for electrochemical supercapacitor. Synthetic Metals, 2011, 161, 2049-2054.	2.1	46
66	Template synthesis of MnO2/CNT nanocomposite and its application in rechargeable lithium batteries. Transactions of Nonferrous Metals Society of China, 2011, 21, 2010-2014.	1.7	20
67	Nanostructure control of graphene-composited TiO2 by a one-step solvothermal approach for high performance dye-sensitized solar cells. Nanoscale, 2011, 3, 4613.	2.8	100
68	A sandwich structure of graphene and nickel oxide with excellent supercapacitive performance. Journal of Materials Chemistry, 2011, 21, 9014.	6.7	125
69	Fast synthesis of SnO2/graphene composites by reducing graphene oxide with stannous ions. Journal of Materials Chemistry, 2011, 21, 1673-1676.	6.7	201
70	Solution-Processed Graphene/MnO₂ Nanostructured Textiles for High-Performance Electrochemical Capacitors. Nano Letters, 2011, 11, 2905-2911.	4.5	1,195
71	X-ray absorption spectroscopy of a poly sodium 4-styrensulfonate intercalated graphite oxide electrode. Europhysics Letters, 2011, 95, 47005.	0.7	4
72	Synthesis of hydrothermally reduced graphene/MnO2 composites and their electrochemical properties as supercapacitors. Journal of Power Sources, 2011, 196, 8160-8165.	4.0	207
73	Synthesis of graphene/Ag nanocomposite with good dispersibility and electroconductibility via solvothermal method. Materials Chemistry and Physics, 2011, 129, 270-274.	2.0	64
74	Preparation of reduced graphene oxide/cobalt oxide composites and their enhanced capacitive behaviors by homogeneous incorporation of reduced graphene oxide sheets in cobalt oxide matrix. Materials Chemistry and Physics, 2011, 130, 672-679.	2.0	139
75	Facile synthesis of Î±-MnO2/graphene nanocomposites and their high performance as lithium-ion battery anode. Materials Letters, 2011, 65, 2104-2106.	1.3	72
76	High reversibility of Li intercalation and de-intercalation in MnO-attached graphene anodes for Li-ion batteries. Electrochimica Acta, 2011, 56, 8861-8867.	2.6	99

#	Article	IF	Citations
77	Improved storage capacity and rate capability of Fe3O4â€“graphene anodes for lithium-ion batteries. Electrochimica Acta, 2011, 58, 119-124.	2.6	71
78	A facile one-pot method to high-quality Ag-graphene composite nanosheets for efficient surface-enhanced Raman scattering. Chemical Communications, 2011, 47, 6440.	2.2	245
79	Liquid-phase exfoliation, functionalization and applications of graphene. Nanoscale, 2011, 3, 2118.	2.8	265
80	Graphene nanosheet: synthesis, molecular engineering, thin film, hybrids, and energy and analytical applications. Chemical Society Reviews, 2011, 40, 2644.	18.7	1,195
81	Microfluidic etching for fabrication of flexible and all-solid-state micro supercapacitor based on MnO2 nanoparticles. Nanoscale, 2011, 3, 2703.	2.8	138
82	Graphene Nanosheet/Ni²⁺/Al³⁺ Layered Double-Hydroxide Composite as a Novel Electrode for a Supercapacitor. Chemistry of Materials, 2011, 23, 3509-3516.	3.2	506
83	Synthesis of novel hierarchical graphene/polypyrrole nanosheet composites and their superior electrochemical performance. Journal of Materials Chemistry, 2011, 21, 11253.	6.7	279
84	Production of stable aqueous dispersion of poly(3,4-ethylenedioxythiophene) nanorods using graphene oxide as a stabilizing agent and their application for nitrite detection. Analyst, The, 2011, 136, 4898.	1.7	61
85	Graphene nanoplate-MnO2 composites for supercapacitors: a controllable oxidation approach. Nanoscale, 2011, 3, 3185.	2.8	121
86	Enhancing the Supercapacitor Performance of Graphene/MnO₂ Nanostructured Electrodes by Conductive Wrapping. Nano Letters, 2011, 11, 4438-4442.	4.5	1,062
87	Preparation of MnO2/graphene composite as electrode material for supercapacitors. Journal of Materials Science, 2011, 46, 3517-3522.	1.7	132
88	Colorimetric platform for visual detection of cancer biomarker based on intrinsic peroxidase activity of graphene oxide. Biosensors and Bioelectronics, 2011, 26, 3927-3931.	5.3	144
89	One-step electrochemical approach to the synthesis of Graphene/MnO2 nanowall hybrids. Nano Research, 2011, 4, 648-657.	5.8	115
90	Tert-butylhydroquinone-decorated graphene nanosheets and their enhanced capacitive behaviors. Science Bulletin, 2011, 56, 2092-2097.	1.7	27
91	Grapheneâ€Based Materials: Synthesis, Characterization, Properties, and Applications. Small, 2011, 7, 1876-1902.	5.2	2,239
92	Facile Approach to Prepare Nickel Cobaltite Nanowire Materials for Supercapacitors. Small, 2011, 7, 2454-2459.	5.2	426
93	Preparation of Novel 3D Graphene Networks for Supercapacitor Applications. Small, 2011, 7, 3163-3168.	5.2	980
94	Co₃O₄ Nanowire@MnO₂ Ultrathin Nanosheet Core/Shell Arrays: A New Class of Highâ€Performance Pseudocapacitive Materials. Advanced Materials, 2011, 23, 2076-2081.	11.1	1,250

#	Article	IF	Citations
95	Graphene: Piecing it Together. Advanced Materials, 2011, 23, 4471-4490.	11.1	127
96	2D Sandwichâ€like Sheets of Iron Oxide Grown on Graphene as High Energy Anode Material for Supercapacitors. Advanced Materials, 2011, 23, 5574-5580.	11.1	526
97	Manganese Oxide/Carbon Aerogel Composite: an Outstanding Supercapacitor Electrode Material. Advanced Energy Materials, 2011, 1, 901-907.	10.2	175
98	In situ synthesis of palladium nanoparticleâ€“graphene nanohybrids and their application in nonenzymatic glucose biosensors. Biosensors and Bioelectronics, 2011, 26, 3500-3504.	5.3	265
99	A SnO2/graphene composite as a high stability electrode for lithium ion batteries. Carbon, 2011, 49, 133-139.	5.4	387
100	Bivalent tin ion assisted reduction for preparing graphene/SnO2 composite with good cyclic performance and lithium storage capacity. Electrochimica Acta, 2011, 56, 7340-7346.	2.6	109
101	Soot combustion manganese catalysts prepared by thermal decomposition of KMnO4. Applied Catalysis B: Environmental, 2011, 102, 260-266.	10.8	53
102	Improved capacitive properties of layered manganese dioxide grown as nanowires. Journal of Power Sources, 2011, 196, 3350-3354.	4.0	54
103	An in situ oxidation route to fabricate graphene nanoplateâ€“metal oxide composites. Journal of Solid State Chemistry, 2011, 184, 1393-1399.	1.4	22
104	Graphene based materials: Past, present and future. Progress in Materials Science, 2011, 56, 1178-1271.	16.0	3,063
105	Surface engineering of graphene for high performance supercapacitors. , 2011, , .		0
106	Effects of Conductive Supports on the Growth and Capacitive Performance of Nanostructured Manganese Oxides. Advanced Materials Research, 2011, 306-307, 1153-1156.	0.3	0
107	Electrochemical and ex-situ analysis on manganese oxide/graphene hybrid anode for lithium rechargeable batteries. Journal of Materials Research, 2011, 26, 2665-2671.	1.2	39
108	A FACILE ONE-STEP HYDROTHERMAL METHOD TO PRODUCE GRAPHENE OXIDE/Fe₂O₃-NANOTUBES COMPOSITES AND ITS ELECTROCHEMICAL PROPERTIES. Nano, 2012, 07, 1250032.	0.5	3
109	Transition metal oxide and graphene nanocomposites for high-performance electrochemical capacitors. Physical Chemistry Chemical Physics, 2012, 14, 16331.	1.3	98
110	Hydrothermal Synthesis of Co₃O₄â€“Graphene for Heterogeneous Activation of Peroxymonosulfate for Decomposition of Phenol. Industrial & Engineering Chemistry Research, 2012, 51, 14958-14965.	1.8	231
111	Constructing Ternary CdSâ€“Grapheneâ€“TiO₂ Hybrids on the Flatland of Graphene Oxide with Enhanced Visible-Light Photoactivity for Selective Transformation. Journal of Physical Chemistry C, 2012, 116, 18023-18031.	1.5	306
112	Î²-Cobalt sulfide nanoparticles decorated graphene composite electrodes for high capacity and power supercapacitors. Nanoscale, 2012, 4, 7810.	2.8	145

#	Article	IF	Citations
113	Graphene for energy conversion and storage in fuel cells and supercapacitors. Nano Energy, 2012, 1, 534-551.	8.2	628
114	Interconnected V₂O₅ Nanoporous Network for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2012, 4, 4484-4490.	4.0	408
115	Graphene Functionalization: A Review. RSC Nanoscience and Nanotechnology, 2012, , 1-52.	0.2	7
116	Optical Power Limiting in Fluorinated Graphene Oxide: An Insight into the Nonlinear Optical Properties. Journal of Physical Chemistry C, 2012, 116, 25955-25961.	1.5	120
117	Facile Synthesis of Graphene-Wrapped Honeycomb MnO₂ Nanospheres and Their Application in Supercapacitors. ACS Applied Materials & Interfaces, 2012, 4, 1770-1776.	4.0	345
118	Synthesis of graphene-based nanomaterials and their application in energy-related and environmental-related areas. RSC Advances, 2012, 2, 9286.	1.7	226
119	Improve the Supercapacity Performance of MnO₂-Decorated Graphene by Controlling the Oxidization Extent of Graphene. Journal of Physical Chemistry C, 2012, 116, 25226-25232.	1.5	93
120	Gold Nanospacers Greatly Enhance the Capacitance of Electrochemically Reduced Graphene. ChemPlusChem, 2012, 77, 71-73.	1.3	24
121	One-step synthesis of Fe3O4 nanorods/graphene nanocomposites. Applied Physics A: Materials Science and Processing, 2012, 109, 261-265.	1.1	7
122	Synthesis of self-assembled layered double hydroxides/carbon composites by in situ solvothermal method and their application in capacitors. Journal of Solid State Chemistry, 2012, 196, 175-181.	1.4	10
123	Complementary microscopy techniques applied for optimizing the structure and performance of graphene-based hybrids. Ultramicroscopy, 2012, 119, 97-101.	0.8	9
124	Oxidation-Etching Preparation of MnO₂ Tubular Nanostructures for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2012, 4, 2769-2774.	4.0	139
125	Electrochemical deoxyribonucleic acid biosensor based on carboxyl functionalized graphene oxide and poly-l-lysine modified electrode for the detection of tlh gene sequence related to vibrio parahaemolyticus. Analytica Chimica Acta, 2012, 752, 39-44.	2.6	71
126	Zinc (hydr)oxide/graphite based-phase composites: effect of the carbonaceous phase on surface properties and enhancement in electrical conductivity. Journal of Materials Chemistry, 2012, 22, 7970.	6.7	50
127	Preparation of Graphene/Polypyrrole Composite Film via Electrodeposition for Supercapacitors. IEEE Nanotechnology Magazine, 2012, 11, 1080-1086.	1.1	25
128	Self-assembly of well-ordered whisker-like manganese oxide arrays on carbon fiber paper and its application as electrode material for supercapacitors. Journal of Materials Chemistry, 2012, 22, 8634.	6.7	249
129	Preparation of well-dispersed PdAu bimetallic nanoparticles on reduced graphene oxide sheets with excellent electrochemical activity for ethanoloxidation in alkaline media. Journal of Materials Chemistry, 2012, 22, 1781-1785.	6.7	62
130	Penetration of alkali atoms throughout a graphene membrane: theoretical modeling. Nanoscale, 2012, 4, 1749.	2.8	18

#	Article	IF	Citations
131	Facile Synthesis of Large-Area Hierarchical Bismuth Molybdate Nanowires for Supercapacitor Applications. Journal of the Electrochemical Society, 2012, 159, D582-D586.	1.3	47
132	Formation of nano-scaled crevices and spacers in NiO-attached graphene oxidenanosheets for supercapacitors. Journal of Materials Chemistry, 2012, 22, 2442-2448.	6.7	101
133	Fabrication of Luminol and Lucigenin Bifunctionalized Gold Nnanoparticles/Graphene Oxide Nanocomposites with Dual-Wavelength Chemiluminescence. Journal of Physical Chemistry C, 2012, 116, 12953-12957.	1.5	40
134	Atomic Layer Deposition of TiO₂on Graphene for Supercapacitors. Journal of the Electrochemical Society, 2012, 159, A364-A369.	1.3	186
135	A simple and high-effective electrolyte mediated with p-phenylenediamine for supercapacitor. Journal of Materials Chemistry, 2012, 22, 19025.	6.7	154
136	Doped butylmethylpyrrolidiniumâ€“dicyanamide ionic liquid as an electrolyte for MnO2 supercapacitors. Journal of Materials Chemistry, 2012, 22, 6274.	6.7	40
137	Evaluation of GO/MnO2 composites as supercapacitors in neutral electrolytes: role of graphite oxide oxidation level. Journal of Materials Chemistry, 2012, 22, 23525.	6.7	37
138	Atomic Layer Deposition of Platinum Nanocatalysts onto Three-Dimensional Carbon Nanotube/Graphene Hybrid. Journal of Physical Chemistry C, 2012, 116, 26735-26743.	1.5	44
139	One-step chemical vapor synthesis of Ni/graphene nanocomposites with excellent electromagnetic and electrocatalytic properties. Synthetic Metals, 2012, 162, 968-973.	2.1	77
140	Graphene Oxide: Preparation, Functionalization, and Electrochemical Applications. Chemical Reviews, 2012, 112, 6027-6053.	23.0	3,024
141	Continuous mechanical exfoliation of graphene sheets via three-roll mill. Journal of Materials Chemistry, 2012, 22, 19625.	6.7	126
142	The role of defects and doping in 2D graphene sheets and 1D nanoribbons. Reports on Progress in Physics, 2012, 75, 062501.	8.1	475
143	Enhanced capacitive deionization performance of graphene/carbon nanotube composites. Journal of Materials Chemistry, 2012, 22, 14696.	6.7	318
144	Graphene-based materials for catalysis. Catalysis Science and Technology, 2012, 2, 54-75.	2.1	882
145	A review of electrode materials for electrochemical supercapacitors. Chemical Society Reviews, 2012, 41, 797-828.	18.7	7,829
146	3D Macroporous Graphene Frameworks for Supercapacitors with High Energy and Power Densities. ACS Nano, 2012, 6, 4020-4028.	7.3	1,186
147	3D Grapheneâ€“Cobalt Oxide Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. ACS Nano, 2012, 6, 3206-3213.	7.3	1,510
148	Supramolecular Self-Assembly Induced Graphene Oxide Based Hydrogels and Organogels. Langmuir, 2012, 28, 3005-3010.	1.6	87

#	Article	IF	Citations
149	Emerging photoluminescence in azo-pyridine intercalated graphene oxide layers. Nanoscale, 2012, 4, 6562.	2.8	47
150	Graphene-manganese oxide hybrid porous material and its application in carbon dioxide adsorption. Science Bulletin, 2012, 57, 3059-3064.	1.7	48
151	Solvothermal synthesis of CoS2â€“graphene nanocomposite material for high-performance supercapacitors. Journal of Materials Chemistry, 2012, 22, 15750.	6.7	205
152	Parts per billion-level detection of benzene using SnO2/graphene nanocomposite composed of sub-6nm SnO2 nanoparticles. Analytica Chimica Acta, 2012, 736, 100-107.	2.6	84
153	Reduced graphene oxideâ€“titanate hybrids: Morphologic evolution by alkali-solvothermal treatment and applications in water purification. Applied Surface Science, 2012, 258, 4551-4557.	3.1	56
154	Comparison study of PE epitaxy on carbon nanotubes and graphene oxide and PE/graphene oxide as amphiphilic molecular structure for solvent separation. Applied Surface Science, 2012, 258, 4614-4623.	3.1	20
155	A facile and efficient approach to decoration of graphene nanosheets with gold nanoparticles. Applied Surface Science, 2012, 258, 5348-5353.	3.1	45
156	Fabrication of magnetic Ni nanoparticles functionalized water-soluble graphene sheets nanocomposites as sorbent for aromatic compounds removal. Journal of Hazardous Materials, 2012, 229-230, 42-47.	6.5	44
157	Mn2O3 decorated graphene nanosheet: An advanced material for the photocatalytic degradation of organic dyes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 855-861.	1.7	56
158	Graphene/metal oxide composite electrode materials for energy storage. Nano Energy, 2012, 1, 107-131.	8.2	1,669
159	Carbon fabric-aligned carbon nanotube/MnO2/conducting polymers ternary composite electrodes with high utilization and mass loading of MnO2 for super-capacitors. Journal of Power Sources, 2012, 220, 160-168.	4.0	140
160	Grapheneâ€Based Electrodes. Advanced Materials, 2012, 24, 5979-6004.	11.1	829
161	Renewing Functionalized Graphene as Electrodes for Highâ€Performance Supercapacitors. Advanced Materials, 2012, 24, 6348-6355.	11.1	394
162	Preparation of Poly(sodiumâ€4â€styrene sulfonate) Functionalized Graphene/Manganese Dioxide Composites for Supercapacitor Application with Superior Cycling Stability. Journal of the Chinese Chemical Society, 2012, 59, 1351-1356.	0.8	4
163	Reduced Graphene Oxide-ZnO Nanocomposites for Flexible Supercapacitors. Journal of Display Technology, 2012, 8, 373-376.	1.3	5
164	Synthesis of graphene-wrapped CuO hybrid materials by CO2 mineralization. Green Chemistry, 2012, 14, 2391.	4.6	53
165	A water-dielectric capacitor using hydrated graphene oxide film. Journal of Materials Chemistry, 2012, 22, 21085.	6.7	68
166	Electrochemical assembly of MnO2 on ionic liquidâ€“graphene films into a hierarchical structure for high rate capability and long cycle stability of pseudocapacitors. Nanoscale, 2012, 4, 5394.	2.8	46

#	Article	IF	Citations
167	Review on the latest design of graphene-based inorganic materials. Nanoscale, 2012, 4, 6205.	2.8	90
169	Nanostructured MnO₂/graphene composites for supercapacitor electrodes: the effect of morphology, crystallinity and composition. Journal of Materials Chemistry, 2012, 22, 1845-1851.	6.7	252
170	Nanoparticles and Nanostructured Materials Used in Modification of Electrode Surfaces. ACS Symposium Series, 2012, , 313-325.	0.5	5
171	Ultra fine MnO2 nanowire based high performance thin film rechargeable electrodes: Effect of surface morphology, electrolytes and concentrations. Journal of Materials Chemistry, 2012, 22, 20465.	6.7	70
172	Graphene Oxide-Based Supramolecular Hydrogels for Making Nanohybrid Systems with Au Nanoparticles. Langmuir, 2012, 28, 1460-1469.	1.6	80
173	Recent progress on graphene-based photocatalysts: current status and future perspectives. Nanoscale, 2012, 4, 5792.	2.8	883
174	Progress in Research on Manganese Dioxide Electrode Materials for Electrochemical Capacitors. Chinese Journal of Analytical Chemistry, 2012, 40, 339-346.	0.9	37
175	Atomic layer deposition of Pt nanocatalysts on graphene oxide nanosheets for electro-oxidation of formic acid. International Journal of Hydrogen Energy, 2012, 37, 17837-17843.	3.8	63
176	Enhancement of electrochemical capacitive properties based on complementation of morphologies. Electrochimica Acta, 2012, 81, 1-7.	2.6	16
177	Multilayered architecture of graphene nanosheets and MnO2 nanowires as an electrode material for high-performance supercapacitors. Electrochimica Acta, 2012, 81, 44-48.	2.6	40
178	Microwave-assisted synthesis of CoAl-layered double hydroxide/graphene oxide composite and its application in supercapacitors. Electrochimica Acta, 2012, 85, 248-255.	2.6	187
179	Electronic and magnetic properties for Co13 clusters deposited on graphene: A first-principles exploration. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 46, 6-11.	1.3	27
180	Preparation of nano-networks of MnO₂shell/Ni current collector core for high-performance supercapacitor electrodes. Journal of Materials Chemistry, 2012, 22, 483-487.	6.7	86
181	Highly efficient dye adsorption and removal: a functional hybrid of reduced graphene oxideâ€“Fe3O4 nanoparticles as an easily regenerative adsorbent. Journal of Materials Chemistry, 2012, 22, 3527.	6.7	369
182	Origin of Reduced Graphene Oxide Enhancements in Electrochemical Energy Storage. ACS Catalysis, 2012, 2, 807-816.	5.5	49
183	Photochemical Engineering of Graphene Oxide Nanosheets. Journal of Physical Chemistry C, 2012, 116, 19822-19827.	1.5	122
184	A facile hydrazine-assisted hydrothermal method for the deposition of monodisperse SnO₂nanoparticles onto graphene for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 2520-2525.	6.7	116
185	Co3O4/Ni(OH)2 composite mesoporous nanosheet networks as a promising electrode for supercapacitor applications. Journal of Materials Chemistry, 2012, 22, 5656.	6.7	471

#	Article	IF	Citations
186	Visible light induced photo-hydroxylation of phenol to catechol over RGOâ€“Ag3VO4 nanocomposites without the use of H2O2. RSC Advances, 2012, 2, 7377.	1.7	34
187	Porous nickel oxide nanospindles with huge specific capacitance and long-life cycle. RSC Advances, 2012, 2, 2257.	1.7	90
188	Quaternary Nanocomposites Consisting of Graphene, Fe₃O₄@Fe Core@Shell, and ZnO Nanoparticles: Synthesis and Excellent Electromagnetic Absorption Properties. ACS Applied Materials & Interfaces, 2012, 4, 6436-6442.	4.0	329
189	Solvothermal-Assisted Hybridization between Reduced Graphene Oxide and Lithium Metal Oxides: A Facile Route to Graphene-Based Composite Materials. Journal of Physical Chemistry C, 2012, 116, 7269-7279.	1.5	43
190	Nitrogen-Doped Graphene/ZnSe Nanocomposites: Hydrothermal Synthesis and Their Enhanced Electrochemical and Photocatalytic Activities. ACS Nano, 2012, 6, 712-719.	7.3	260
191	The preparation of graphene decorated with manganese dioxide nanoparticles by electrostatic adsorption for use in supercapacitors. Carbon, 2012, 50, 5034-5043.	5.4	49
192	Graphene Oxide Modified DNA Electrochemical Biosensors. Applied Mechanics and Materials, 2012, 155-156, 82-86.	0.2	3
193	Surfactant-free hybridization of transition metal oxidenanoparticles with conductive graphene for high-performance supercapacitor. Green Chemistry, 2012, 14, 371-377.	4.6	81
194	A General Approach to One-Pot Fabrication of Crumpled Graphene-Based Nanohybrids for Energy Applications. ACS Nano, 2012, 6, 7505-7513.	7.3	201
195	Dodecyl sulfate-induced fast faradic process in nickel cobalt oxideâ€“reduced graphite oxide composite material and its application for asymmetric supercapacitor device. Journal of Materials Chemistry, 2012, 22, 23114.	6.7	338
196	AlOOH-Reduced Graphene Oxide Nanocomposites: One-Pot Hydrothermal Synthesis and Their Enhanced Electrochemical Activity for Heavy Metal Ions. ACS Applied Materials & Interfaces, 2012, 4, 4672-4682.	4.0	232
197	Dye-sensitized solar cells equipped with graphene-based counter electrodes with different oxidation levels. Diamond and Related Materials, 2012, 27-28, 68-75.	1.8	37
198	MnO2/onion-like carbon nanocomposites for pseudocapacitors. Journal of Materials Chemistry, 2012, 22, 17584.	6.7	91
199	Reduced graphene Oxideâ€“MnO2 hollow sphere hybrid nanostructures as high-performance electrochemical capacitors. Journal of Materials Chemistry, 2012, 22, 25207.	6.7	120
200	Excellent catalytic performance of graphite oxide in the selective oxidation of glutaraldehyde by aqueous hydrogen peroxide. RSC Advances, 2012, 2, 7135.	1.7	24
201	Electro-Deposition and Dissolution of MnO₂on a Graphene Composite Electrode for Its Utilization in an Aqueous Based Hybrid Supercapacitor. Journal of the Electrochemical Society, 2012, 159, A1554-A1561.	1.3	36
202	Fluorescent graphene oxide composites synthesis and its biocompatibility study. Journal of Materials Chemistry, 2012, 22, 9308.	6.7	54
203	Cotton-assisted preparation of mesoporous manganese oxide for supercapacitors. RSC Advances, 2012, 2, 6741.	1.7	20

#	Article	IF	Citations
204	Synthesis of Nitrogen-Doped MnO/Graphene Nanosheets Hybrid Material for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2012, 4, 658-664.	4.0	331
205	Ultrathin MnO2 nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes. Journal of Materials Chemistry, 2012, 22, 153-160.	6.7	555
206	Globular reduced graphene oxide-metal oxide structures for energy storage applications. Energy and Environmental Science, 2012, 5, 5236-5240.	15.6	69
207	Anomalous Pseudocapacitive Behavior of a Nanostructured, Mixed-Valent Manganese Oxide Film for Electrical Energy Storage. Nano Letters, 2012, 12, 3483-3490.	4.5	234
208	Glucono-Î´-lactone controlled assembly of graphene oxide hydrogels with selectively reversible gelâ€“sol transition. Soft Matter, 2012, 8, 4609.	1.2	79
209	Direct growth of monodisperse SnO₂nanorods on graphene as high capacity anode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 975-979.	6.7	199
210	Graphene as a carbon source effects the nanometallurgy of nickel in Ni,Mn layered double hydroxideâ€“graphene oxide composites. Chemical Communications, 2012, 48, 11416.	2.2	35
211	Uniform Decoration of Reduced Graphene Oxide Sheets with Gold Nanoparticles. Journal of Nanotechnology, 2012, 2012, 1-8.	1.5	34
212	Fabrication of Pt Nanoclusters on Carbon Nanotubes and Graphene Sheets by Pulse Electrodeposition Method. ECS Meeting Abstracts, 2012, , .	0.0	0
213	Effect of nitrile functionalized graphene on the properties of poly(arylene ether nitrile) nanocomposites. Polymer International, 2012, 61, 880-887.	1.6	14
214	Carbon Nanomaterials for Advanced Energy Conversion and Storage. Small, 2012, 8, 1130-1166.	5.2	1,304
215	Graphene-based composites. Chemical Society Reviews, 2012, 41, 666-686.	18.7	3,513
216	Nitrogen and boron doped monolayer graphene by chemical vapor deposition using polystyrene, urea and boric acid. New Journal of Chemistry, 2012, 36, 1385.	1.4	186
217	Grapheneâ€“inorganic nanocomposites. RSC Advances, 2012, 2, 64-98.	1.7	547
218	Macroscopic Multifunctional Graphene-Based Hydrogels and Aerogels by a Metal Ion Induced Self-Assembly Process. ACS Nano, 2012, 6, 2693-2703.	7.3	1,034
219	Chemical Approaches to Produce Graphene Oxide and Related Materials. , 2012, , 205-234.		5
220	Formation and Decomposition of CO₂ Intercalated Graphene Oxide. Chemistry of Materials, 2012, 24, 1276-1282.	3.2	231
221	Graphene oxide/polypyrrole nanocomposites: one-step electrochemical doping, coating and synergistic effect for energy storage. Journal of Materials Chemistry, 2012, 22, 6300.	6.7	293

#	Article	IF	Citations
222	Schistâ€like Nanostructured Manganese Oxides and Their Electrochemical Capacitance Properties. Journal of the Chinese Chemical Society, 2012, 59, 149-153.	0.8	1
223	The electrocapacitive properties of graphene oxide reduced by urea. Energy and Environmental Science, 2012, 5, 6391-6399.	15.6	460
224	An Overview of the Applications of Grapheneâ€Based Materials in Supercapacitors. Small, 2012, 8, 1805-1834.	5.2	1,210
225	Synthesis of highly chemiluminescent graphene oxide/silver nanoparticle nano-composites and their analytical applications. Journal of Materials Chemistry, 2012, 22, 9086.	6.7	75
226	Layer-by-Layer Self-Assembled Multilayer Films Composed of Graphene/Polyaniline Bilayers: High-Energy Electrode Materials for Supercapacitors. Langmuir, 2012, 28, 12637-12646.	1.6	138
227	Tightly connected MnO2â€“graphene with tunable energy density and power density for supercapacitor applications. Journal of Materials Chemistry, 2012, 22, 7697.	6.7	72
228	Flexible Hybrid Paper Made of Monolayer Co₃O₄ Microsphere Arrays on rGO/CNTs and Their Application in Electrochemical Capacitors. Advanced Functional Materials, 2012, 22, 2560-2566.	7.8	362
229	3D Hierarchical Co₃O₄ Twinâ€Spheres with an Urchinâ€Like Structure: Largeâ€Scale Synthesis, Multistepâ€Splitting Growth, and Electrochemical Pseudocapacitors. Advanced Functional Materials, 2012, 22, 4052-4059.	7.8	289
230	Highly Conductive Fewâ€Layer Graphene/Al₂O₃ Nanocomposites with Tunable Charge Carrier Type. Advanced Functional Materials, 2012, 22, 3882-3889.	7.8	145
231	Mesoporous Carbon Incorporated Metal Oxide Nanomaterials as Supercapacitor Electrodes. Advanced Materials, 2012, 24, 4197-4202.	11.1	548
232	Nanostructured Ternary Electrodes for Energyâ€Storage Applications. Advanced Energy Materials, 2012, 2, 381-389.	10.2	170
233	Covalent Functionalization of Strained Graphene. ChemPhysChem, 2012, 13, 1463-1469.	1.0	38
234	A Mild Oneâ€Step Process from Graphene Oxide and Cd²⁺ to a Grapheneâ€“CdSe Quantum Dot Nanocomposite with Enhanced Photoelectric Properties. ChemPhysChem, 2012, 13, 2654-2658.	1.0	13
235	Nanocarbon Composites and Hybrids in Sustainability: A Review. ChemSusChem, 2012, 5, 456-478.	3.6	157
236	Carbonâ€Based Electrochemical Capacitors. ChemSusChem, 2012, 5, 480-499.	3.6	491
237	Cuprous oxide nanoparticles dispersed on reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction. Chemical Communications, 2012, 48, 1892.	2.2	190
238	Flexible and conductive nanocomposite electrode based on graphene sheets and cotton cloth for supercapacitor. Journal of Materials Chemistry, 2012, 22, 17245.	6.7	350
239	Synthesis of a porous birnessite manganese dioxide hierarchical structure using thermally reduced graphene oxide paper as a sacrificing template for supercapacitor application. New Journal of Chemistry, 2012, 36, 1490.	1.4	45

#	Article	IF	Citations
240	Controlled synthesis of graphene sheets with tunable sizes by hydrothermal cutting. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	14
241	A simple and controllable nanostructure comprising non-conductive poly(vinylidene fluoride) and graphene nanosheets for supercapacitor. Frontiers of Materials Science, 2012, 6, 149-159.	1.1	4
242	May 3D nickel foam electrode be the promising choice for supercapacitors?. Journal of Solid State Electrochemistry, 2012, 16, 829-834.	1.2	40
243	Fabrication of free-standing graphene composite films as electrochemical biosensors. Carbon, 2012, 50, 123-133.	5.4	89
244	Exceptional negative thermal expansion and viscoelastic properties of graphene oxide paper. Carbon, 2012, 50, 2804-2809.	5.4	107
245	Effects of reduction process and carbon nanotube content on the supercapacitive performance of flexible graphene oxide papers. Carbon, 2012, 50, 4239-4251.	5.4	109
246	Synthesis, characterization, and adsorption properties of magnetic Fe3O4@graphene nanocomposite. Chemical Engineering Journal, 2012, 184, 326-332.	6.6	549
247	Advanced nanostructured photocatalysts based on reduced graphene oxideâ€“TiO2 composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. Applied Catalysis B: Environmental, 2012, 123-124, 241-256.	10.8	270
248	Fabrication of magnetically separable palladiumâ€“graphene nanocomposite with unique catalytic property of hydrogenation. Chemical Physics Letters, 2012, 519-520, 59-63.	1.2	38
249	Uniform distribution of TiO2 nanocrystals on reduced graphene oxide sheets by the chelating ligands. Journal of Colloid and Interface Science, 2012, 367, 139-147.	5.0	23
250	Structural evolution of multi-walled carbon nanotube/MnO2 composites as supercapacitor electrodes. Electrochimica Acta, 2012, 59, 548-557.	2.6	52
251	Fabrication of flower-like platinum clusters onto graphene sheets by pulse electrochemical deposition. Electrochimica Acta, 2012, 64, 177-182.	2.6	31
252	Pulse electrodeposited Pd nanoclusters on graphene-based electrodes for proton exchange membrane fuel cells. Electrochimica Acta, 2012, 64, 205-210.	2.6	63
253	Synthesis of reduced graphene nanosheet/urchin-like manganese dioxide composite and high performance as supercapacitor electrode. Electrochimica Acta, 2012, 69, 112-119.	2.6	142
254	Preparation and electrochemical capacitance of hierarchical graphene/polypyrrole/carbon nanotube ternary composites. Electrochimica Acta, 2012, 69, 160-166.	2.6	90
255	Electropolymerization and electrochemical performance of salen-type redox polymer on different carbon supports for supercapacitors. Electrochimica Acta, 2012, 76, 1-7.	2.6	24
256	Synthesis of hemin functionalized graphene and its application as a counter electrode in dye-sensitized solar cells. Materials Chemistry and Physics, 2012, 132, 858-864.	2.0	42
257	Reduced graphene oxideâ€“nickel oxide composites with high electrochemical capacitive performance. Materials Chemistry and Physics, 2012, 133, 363-368.	2.0	77

#	Article	IF	Citations
258	Semi-tubular structure of manganese oxide and their electrochemical properties. Materials Letters, 2012, 69, 7-9.	1.3	1
259	MnO2/graphene/nickel foam composite as high performance supercapacitor electrode via a facile electrochemical deposition strategy. Materials Letters, 2012, 76, 127-130.	1.3	89
260	Reduced graphene oxideâ€“nickel oxide composite as high performance electrode materials for supercapacitors. Journal of Power Sources, 2012, 203, 243-249.	4.0	115
261	Controlled synthesis of MnSn(OH)6/graphene nanocomposites and their electrochemical properties as capacitive materials. Journal of Solid State Chemistry, 2012, 185, 172-179.	1.4	16
262	Manganese oxide and graphite oxide/MnO2 composites as reactive adsorbents of ammonia at ambient conditions. Microporous and Mesoporous Materials, 2012, 150, 55-63.	2.2	60
263	Polyaniline-intercalated graphene oxide sheet and its transition to a nanotube through a self-curling process. Polymer, 2012, 53, 1079-1085.	1.8	41
264	Photocatalytic performance of titania nanospheres deposited on graphene in coumarin oxidation reaction. Materials Science-Poland, 2012, 30, 32-38.	0.4	23
265	Facile Synthesis of Porous Mn₃O₄ NanoÂcrystalâ€“Graphene Nanocomposites for Electrochemical Supercapacitors. European Journal of Inorganic Chemistry, 2012, 2012, 628-635.	1.0	115
266	WO_{3â€“x}@Au@MnO₂ Coreâ€“Shell Nanowires on Carbon Fabric for Highâ€Performance Flexible Supercapacitors. Advanced Materials, 2012, 24, 938-944.	11.1	641
267	Fabrication of a low defect density graphene-nickel hydroxide nanosheet hybrid with enhanced electrochemical performance. Nano Research, 2012, 5, 11-19.	5.8	89
268	Decoration of electro-reduced graphene oxide with uniform gold nanoparticles based on in situ diazonium chemistry and their application in methanol oxidation. Journal of Electroanalytical Chemistry, 2013, 690, 111-116.	1.9	6
269	Carbon black/manganese dioxide composites synthesized by sonochemistry method for electrochemical supercapacitors. Journal of Electroanalytical Chemistry, 2013, 697, 60-67.	1.9	64
270	Design and synthesis of Pdâ€“MnO2 nanolamellaâ€“graphene composite as a high-performance multifunctional electrocatalyst towards formic acid and methanol oxidation. Physical Chemistry Chemical Physics, 2013, 15, 10367.	1.3	72
271	Graphene-based 3D composite hydrogel by anchoring Co3O4 nanoparticles with enhanced electrochemical properties. Physical Chemistry Chemical Physics, 2013, 15, 12940.	1.3	89
272	Understanding supercapacitors based on nano-hybrid materials with interfacial conjugation. Progress in Natural Science: Materials International, 2013, 23, 245-255.	1.8	245
273	Carbon nanotube sponges as conductive networks for supercapacitor devices. Nano Energy, 2013, 2, 1025-1030.	8.2	61
274	Synthesis of graphene/nickel oxide composite with improved electrochemical performance in capacitors. Ionics, 2013, 19, 1883-1889.	1.2	26
275	3D porous gear-like copper oxide and their high electrochemical performance as supercapacitors. CrystEngComm, 2013, 15, 7657.	1.3	63

#	Article	IF	Citations
276	Manganese hexacyanoferrate/MnO2 composite nanostructures as a cathode material for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 2621.	5.2	85
277	CuO nanosheets/rGO hybrid lamellar films with enhanced capacitance. Nanoscale, 2013, 5, 9134.	2.8	122
278	Effect of alkaline and alkalineâ€“earth cations on the supercapacitor performance of MnO2 with various crystallographic structures. Journal of Solid State Electrochemistry, 2013, 17, 1357-1368.	1.2	27
279	Electrolytic graphene oxide and its electrochemical properties. Journal of Electroanalytical Chemistry, 2013, 704, 233-241.	1.9	29
280	Highly dispersed Pt nanoparticles supported on manganese oxideâ€“poly(3,4-ethylenedioxythiophene)â€“carbon nanotubes composite forÂenhanced methanol electrooxidation. Journal of Power Sources, 2013, 238, 157-164.	4.0	55
281	Facile Synthesis of Activated Carbon-Supported Porous Manganese Oxide via in situ Reduction of Permanganate for Ozone Decomposition. Ozone: Science and Engineering, 2013, 35, 308-315.	1.4	35
282	Super-capacitive performance depending on different crystal structures of MnO2 in graphene/MnO2 composites for supercapacitors. Journal of Materials Science, 2013, 48, 7652-7663.	1.7	24
283	Large scale synthesized sulphonated reduced graphene oxide: a high performance material for electrochemical capacitors. RSC Advances, 2013, 3, 14954.	1.7	16
284	Concentration dependence of graphene oxideâ€“nanoneedle manganese oxide composites reduced by hydrazine hydrate for an electrochemical supercapacitor. Physical Chemistry Chemical Physics, 2013, 15, 15602.	1.3	50
285	Functionalized Graphene Hydrogelâ€Based Highâ€Performance Supercapacitors. Advanced Materials, 2013, 25, 5779-5784.	11.1	577
286	Flexible supercapacitor based on MnO2 nanoparticles via electrospinning. Journal of Materials Chemistry A, 2013, 1, 10103.	5.2	95
287	Graphene and Nanostructured Mn₃O₄ Composites for Supercapacitors. Integrated Ferroelectrics, 2013, 144, 118-126.	0.3	21
288	Ni(OH)₂/CoO/reduced graphene oxide composites with excellent electrochemical properties. Journal of Materials Chemistry A, 2013, 1, 478-481.	5.2	68
289	Asymmetric electrochemical capacitors with high energy and power density based on graphene/CoAl-LDH and activated carbon electrodes. RSC Advances, 2013, 3, 2483.	1.7	112
290	High-performance flexible supercapacitor electrodes based on Te nanowire arrays. Journal of Materials Chemistry A, 2013, 1, 10024.	5.2	39
291	Effects of reduction and polystyrene sulfate functionalization on the capacitive behaviour of thermally exfoliated graphene. Journal of Materials Chemistry A, 2013, 1, 5892.	5.2	33
292	Trace Amounts of Water-Induced Distinct Growth Behaviors of NiO Nanostructures on Graphene in CO2-Expanded Ethanol and Their Applications in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 7065-7071.	4.0	29
293	Synthesis of graphene-supported noble metal hybrid nanostructures and their applications as advanced electrocatalysts for fuel cells. Nanoscale, 2013, 5, 10765.	2.8	57

#	Article	IF	Citations
294	Flexible all solid-state supercapacitors based on chemical vapor deposition derived graphene fibers. Physical Chemistry Chemical Physics, 2013, 15, 17752.	1.3	156
295	Superior Microâ€Supercapacitors Based on Graphene Quantum Dots. Advanced Functional Materials, 2013, 23, 4111-4122.	7.8	595
296	Magnetic nanomaterial derived from graphene oxide/layered double hydroxide hybrid for efficient removal of methyl orange from aqueous solution. Journal of Colloid and Interface Science, 2013, 408, 25-32.	5.0	127
297	Process intensification of uniform loading of SnO2 nanoparticles on graphene oxide nanosheets using a novel ultrasound assisted in situ chemical precipitation method. Chemical Engineering and Processing: Process Intensification, 2013, 70, 48-54.	1.8	55
298	Co-electro-deposition of the MnO2â€“PEDOT:PSS nanostructured composite for high areal mass, flexible asymmetric supercapacitor devices. Journal of Materials Chemistry A, 2013, 1, 12432.	5.2	163
299	Controllable synthesis of MnO2/polyaniline nanocomposite and its electrochemical capacitive property. Nanoscale Research Letters, 2013, 8, 179.	3.1	63
300	3-D ordered bimodal porous carbon/nickel oxide hybrid electrodes for supercapacitors. Synthetic Metals, 2013, 177, 105-109.	2.1	2
301	Silver nanorods attached to graphene sheets as anode materials for lithium-ion batteries. Carbon, 2013, 62, 109-116.	5.4	68
302	Synergistic effect of Fe3O4/reduced graphene oxide nanocomposites for supercapacitors with good cycling life. Electrochimica Acta, 2013, 114, 674-680.	2.6	139
303	Microwave deposition of Pt catalysts on carbon nanotubes with different oxidation levels for formic acid oxidation. International Journal of Hydrogen Energy, 2013, 38, 10345-10353.	3.8	18
304	The synthesis of shape-controlled MnO2/graphene composites via a facile one-step hydrothermal method and their application in supercapacitors. Journal of Materials Chemistry A, 2013, 1, 12818.	5.2	148
305	Recent advances in optical limiting properties of fluorinated graphene oxides. Proceedings of SPIE, 2013, , .	0.8	0
306	One step preparation of Mn3O4/graphene composites for use as an anode in Li ion batteries. Journal of Power Sources, 2013, 244, 56-62.	4.0	132
307	Microwave assisted synthesis of MnO2 on nickel foam-graphene for electrochemical capacitor. Electrochimica Acta, 2013, 114, 48-53.	2.6	51
308	Design and synthesis of hierarchical porous electrode with nanocomposites of MnO2 thin layer encapsulated carbon nanotubes and its superb charge storage characteristics. Electrochimica Acta, 2013, 113, 373-381.	2.6	8
309	Fabrication and performance evaluation of button cell supercapacitors based on MnO2 nanowire/carbon nanobead electrodes. RSC Advances, 2013, 3, 17492.	1.7	34
310	Controlling the Formation of Rodlike V₂O₅ Nanocrystals on Reduced Graphene Oxide for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2013, 5, 11462-11470.	4.0	181
311	Properties and applications of chemically functionalized graphene. Journal of Physics Condensed Matter, 2013, 25, 423201.	0.7	85

#	Article	IF	Citations
312	Introduction of MnO2 nanoneedles to activated carbon to fabricate high-performance electrodes as electrochemical supercapacitors. Electrochimica Acta, 2013, 113, 322-331.	2.6	74
313	Morphological Evolution of Two-Dimensional MnO₂ Nanosheets and Their Shape Transformation to One-Dimensional Ultralong MnO₂ Nanowires for Robust Catalytic Activity. Journal of Physical Chemistry C, 2013, 117, 23976-23986.	1.5	126
314	A bifunctional approach for the preparation of graphene and ionic liquid-based hybrid gels. Journal of Materials Chemistry A, 2013, 1, 43-48.	5.2	32
315	Enhanced electrochemical performance of CoAl-layered double hydroxide nanosheet arrays coated by platinum films. Electrochimica Acta, 2013, 114, 68-75.	2.6	81
317	An overview of the engineered graphene nanostructures and nanocomposites. RSC Advances, 2013, 3, 22790.	1.7	180
318	Graphene-based nanocomposites: preparation, functionalization, and energy and environmental applications. Energy and Environmental Science, 2013, 6, 3483.	15.6	480
319	Very high energy density silicideâ€“air primary batteries. Energy and Environmental Science, 2013, 6, 2621.	15.6	21
320	Flexible electrostatic nanogenerator using graphene oxide film. Nanoscale, 2013, 5, 8951.	2.8	80
321	A perspective: carbon nanotube macro-films for energy storage. Energy and Environmental Science, 2013, 6, 3183-3201.	15.6	168
322	Facilitated charge transport in ternary interconnected electrodes for flexible supercapacitors with excellent power characteristics. Nanoscale, 2013, 5, 11733.	2.8	62
323	Synthesis and electrochemical properties of MnO2 nanorods/graphene composites for supercapacitor applications. Electrochimica Acta, 2013, 111, 707-712.	2.6	149
324	Synthesis and electrochemical performance of a single walled carbon nanohornâ€“Fe3O4nanocomposite supercapacitor electrode. RSC Advances, 2013, 3, 21390-21393.	1.7	35
325	Sulfonated graphene oxide/Nafion composite membranes for high-performance direct methanol fuel cells. International Journal of Hydrogen Energy, 2013, 38, 13792-13801.	3.8	223
326	MnO Nanoparticle@Mesoporous Carbon Composites Grown on Conducting Substrates Featuring High-performance Lithium-ion Battery, Supercapacitor and Sensor. Scientific Reports, 2013, 3, 2693.	1.6	117
327	High-performance symmetric electrochemical capacitor based on graphene foam and nanostructured manganese oxide. AIP Advances, 2013, 3, .	0.6	86
328	Synthesis and capacitive performance of two-dimensional sandwich-like graphene/nitrogen-doped carbon nanoparticle composites with tunable textural parameters and nitrogen content. New Journal of Chemistry, 2013, 37, 4148.	1.4	12
329	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. New Journal of Chemistry, 2013, 37, 4031.	1.4	44
330	Two-Dimensional Î²-MnO2 Nanowire Network with Enhanced Electrochemical Capacitance. Scientific Reports, 2013, 3, 2193.	1.6	83

#	Article	IF	Citations
331	Highly efficient and robust oxygen evolution catalysts achieved by anchoring nanocrystalline cobalt oxides onto mildly oxidized multiwalled carbon nanotubes. Journal of Materials Chemistry A, 2013, 1, 12053.	5.2	166
332	Facile treatment of wastewater produced in Hummer's method to prepare Mn3O4 nanoparticles and study their electrochemical performance in an asymmetric supercapacitor. RSC Advances, 2013, 3, 2398.	1.7	35
333	Fabrication of Mn/Mn oxide coreâ€“shell electrodes with three-dimensionally ordered macroporous structures for high-capacitance supercapacitors. Energy and Environmental Science, 2013, 6, 2178.	15.6	79
334	Hierarchically Structured Co3O4@Pt@MnO2 Nanowire Arrays for High-Performance Supercapacitors. Scientific Reports, 2013, 3, 2978.	1.6	234
335	One-Pot Solvothermal Synthesis of ZnSeÂ·xN₂H₄/GS and ZnSe/N-GS and Enhanced Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2013, 5, 8414-8422.	4.0	32
336	Self-assembled amorphous manganese oxide/hydroxide spheres via multi-phase electrochemical interactions in reverse micelle electrolytes and their capacitive behavior. Journal of Materials Chemistry A, 2013, 1, 5136.	5.2	20
337	Self-assembled three-dimensional graphene/OMCs hybrid aerogels for high-rate supercapacitive energy storage. RSC Advances, 2013, 3, 25317.	1.7	8
338	Synthesis of three-dimensional reduced graphene oxide layer supported cobalt nanocrystals and their high catalytic activity in Fâ€“T CO2 hydrogenation. Nanoscale, 2013, 5, 8507.	2.8	31
339	Graphene-beaded carbon nanofibers for use in supercapacitor electrodes: Synthesis and electrochemical characterization. Journal of Power Sources, 2013, 222, 410-416.	4.0	159
340	Anomalous effect of K ion on crystallinity and capacitance of the manganese dioxide. Journal of Power Sources, 2013, 225, 226-230.	4.0	15
341	Electrochemical deposition of nanostructured manganese oxide on hierarchically porous grapheneâ€“carbon nanotube structure for ultrahigh-performance electrochemical capacitors. Journal of Power Sources, 2013, 225, 347-355.	4.0	76
342	Nanostructured carbonâ€“metal oxide composite electrodes for supercapacitors: a review. Nanoscale, 2013, 5, 72-88.	2.8	1,853
343	A comparative study of electrocapacitive properties of manganese dioxide clusters dispersed on different carbons. Carbon, 2013, 52, 1-9.	5.4	64
344	Highâ€Performance Nanocomposites of Sodium Carboxymethylcellulose and Graphene Oxide. Macromolecular Materials and Engineering, 2013, 298, 1166-1175.	1.7	53
345	Graphene-related nanomaterials: tuning properties by functionalization. Nanoscale, 2013, 5, 4541.	2.8	614
346	Nanostructured morphology control for efficient supercapacitor electrodes. Journal of Materials Chemistry A, 2013, 1, 2941-2954.	5.2	267
347	A novel flexible capacitive touch pad based on graphene oxide film. Nanoscale, 2013, 5, 890-894.	2.8	38
348	Magnetic field induced capacitance enhancement in graphene and magnetic graphene nanocomposites. Energy and Environmental Science, 2013, 6, 194-204.	15.6	137

#	Article	IF	Citations
349	Graphitic Design: Prospects of Graphene-Based Nanocomposites for Solar Energy Conversion, Storage, and Sensing. Accounts of Chemical Research, 2013, 46, 2235-2243.	7.6	270
350	3D carbon based nanostructures for advanced supercapacitors. Energy and Environmental Science, 2013, 6, 41-53.	15.6	1,389
351	A facile hydrothermal synthesis of graphene porous NiO nanocomposite and its application in electrochemical capacitors. Electrochimica Acta, 2013, 91, 173-178.	2.6	115
352	Electrochemical synthesis of layer-by-layer reduced graphene oxide sheets/polyaniline nanofibers composite and its electrochemical performance. Electrochimica Acta, 2013, 91, 185-194.	2.6	137
353	Anomalous effect of K ions on electrochemical capacitance of amorphous MnO2. Journal of Power Sources, 2013, 234, 1-7.	4.0	36
354	Synthesis of water-soluble magnetic graphene nanocomposites for recyclable removal of heavy metal ions. Journal of Materials Chemistry A, 2013, 1, 1745-1753.	5.2	190
355	Fabrication of Graphene Sheets Intercalated with Manganese Oxide/Carbon Nanofibers: Toward Highâ€Capacity Energy Storage. Small, 2013, 9, 248-254.	5.2	92
356	Manganese oxide nanorodâ€“graphene/vanadium oxide nanowireâ€“graphene binder-free paper electrodes for metal oxide hybrid supercapacitors. Nano Energy, 2013, 2, 966-975.	8.2	125
357	A green hydrothermal approach for the preparation of graphene/Î±-MnO2 3D network as anode for lithium ion battery. Electrochimica Acta, 2013, 108, 465-471.	2.6	72
358	Process dependent graphene/MnO2 composites for supercapacitors. Chemical Engineering Journal, 2013, 230, 482-490.	6.6	60
359	Using graphene nanosheets as a conductive additive to enhance the capacitive performance of Î±-MnO2. Electrochimica Acta, 2013, 104, 198-207.	2.6	33
360	Cationically Charged Mn^{II}Al^{III} LDH Nanosheets by Chemical Exfoliation and Their Use As Building Blocks in Graphene Oxide-Based Materials. Langmuir, 2013, 29, 9199-9207.	1.6	43
361	Microstructural and Morphological Effects on Charge Storage Properties in MnO₂-Carbon Nanofibers Based Supercapacitors. Journal of the Electrochemical Society, 2013, 160, A2315-A2321.	1.3	32
362	Pulse microwave synthesis of palladium catalysts on graphene electrodes for proton exchange membrane fuel cells. Electrochimica Acta, 2013, 98, 39-47.	2.6	34
363	Synthesis of Mn3O4-anchored graphene sheet nanocomposites via a facile, fast microwave hydrothermal method and their supercapacitive behavior. Electrochimica Acta, 2013, 87, 801-808.	2.6	101
364	Conductive blends of camphoric carbon nanobeads anchored with MnO2 for high-performance rechargeable electrodes in battery/supercapacitor applications. Scripta Materialia, 2013, 68, 881-884.	2.6	20
365	Preparation of Co3O4 nanoplate/graphene sheet composites and their synergistic electrochemical performance. Ionics, 2013, 19, 215-220.	1.2	25
366	Electrochemical approaches to the production of graphene flakes and their potential applications. Carbon, 2013, 54, 1-21.	5.4	285

#	Article	IF	Citations
367	Vanadium oxide nanowire â€“ Graphene binder free nanocomposite paper electrodes for supercapacitors: A facile green approach. Journal of Power Sources, 2013, 230, 130-137.	4.0	142
368	Nanosized Cu-MOFs induced by graphene oxide and enhanced gas storage capacity. Energy and Environmental Science, 2013, 6, 818.	15.6	248
369	Performance Enhancement of ZnO Photocatalyst via Synergic Effect of Surface Oxygen Defect and Graphene Hybridization. Langmuir, 2013, 29, 3097-3105.	1.6	452
370	Microporous Carbon Nanoplates from Regenerated Silk Proteins for Supercapacitors. Advanced Materials, 2013, 25, 1993-1998.	11.1	480
371	Facile one-pot preparation of Î±-SnWO₄/reduced graphene oxide (RGO) nanocomposite with improved visible light photocatalytic activity and anode performance for Li-ion batteries. RSC Advances, 2013, 3, 1235-1242.	1.7	67
372	Blockâ€Copolymerâ€Assisted Oneâ€Pot Synthesis of Ordered Mesoporous WO_{3â^'x}/Carbon Nanocomposites as Highâ€Rateâ€Performance Electrodes for Pseudocapacitors. Advanced Functional Materials, 2013, 23, 3747-3754.	7.8	145
373	Solvothermal synthesis of SnO 2 /graphene nanocomposites for supercapacitor application. Ceramics International, 2013, 39, 6647-6655.	2.3	153
374	Enhanced activity of chemically synthesized hybrid graphene oxide/Mn3O4 composite for high performance supercapacitors. Electrochimica Acta, 2013, 92, 205-215.	2.6	226
375	Self-assembled hydrothermal synthesis for producing a MnCO3/graphene hydrogel composite and its electrochemical properties. RSC Advances, 2013, 3, 4400.	1.7	66
376	Graphene Oxideâ€Dispersed Pristine CNTs Support for MnO₂ Nanorods as High Performance Supercapacitor Electrodes. ChemSusChem, 2013, 6, 474-480.	3.6	92
377	Synthesis and characterization of graphene nanosheets attached to spiky MnO2 nanospheres and its application in ultrasensitive immunoassay. Carbon, 2013, 57, 22-33.	5.4	64
378	Hydrogenated ZnO Coreâ€“Shell Nanocables for Flexible Supercapacitors and Self-Powered Systems. ACS Nano, 2013, 7, 2617-2626.	7.3	781
379	Supercapacitors based on grapheneâ€“polyaniline derivative nanocomposite electrode materials. Electrochimica Acta, 2013, 92, 376-382.	2.6	76
380	Fabrication of anchored copper oxide nanoparticles on graphene oxide nanosheets via an electrostatic coprecipitation and its application as supercapacitor. Electrochimica Acta, 2013, 88, 347-357.	2.6	355
381	Hybrid nanostructured materials for high-performance electrochemical capacitors. Nano Energy, 2013, 2, 213-234.	8.2	976
382	Synthesis of Ultrathin Nitrogen-Doped Graphitic Carbon Nanocages as Advanced Electrode Materials for Supercapacitor. ACS Applied Materials & Interfaces, 2013, 5, 2241-2248.	4.0	320
383	Strongly coupled inorganicâ€“nano-carbon hybrid materials for energy storage. Chemical Society Reviews, 2013, 42, 3088.	18.7	795
384	High-performance flexible asymmetric supercapacitors based on 3D porous graphene/MnO₂nanorod and graphene/Ag hybrid thin-film electrodes. Journal of Materials Chemistry C, 2013, 1, 1245-1251.	2.7	156

#	Article	IF	Citations
385	Highly atom-economic synthesis of graphene/Mn3O4 hybrid composites for electrochemical supercapacitors. Nanoscale, 2013, 5, 2999.	2.8	128
386	Cucumber-Like V₂O₅/poly(3,4-ethylenedioxythiophene)&MnO₂ Nanowires with Enhanced Electrochemical Cyclability. Nano Letters, 2013, 13, 740-745.	4.5	201
387	Hierarchically porous carbon nanofibers containing numerous heteroatoms forÂsupercapacitors. Journal of Power Sources, 2013, 234, 285-291.	4.0	82
388	Graphene Materials for Electrochemical Capacitors. Journal of Physical Chemistry Letters, 2013, 4, 1244-1253.	2.1	288
389	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. Electrochimica Acta, 2013, 88, 708-712.	2.6	199
390	Facile Synthesis of Nitrogen-Doped Grapheneâ€“Ultrathin MnO₂ Sheet Composites and Their Electrochemical Performances. ACS Applied Materials & Interfaces, 2013, 5, 3317-3322.	4.0	173
391	Scalable High-Power Redox Capacitors with Aligned Nanoforests of Crystalline MnO₂Nanorods by High Voltage Electrophoretic Deposition. ACS Nano, 2013, 7, 2114-2125.	7.3	83
392	High-performance supercapacitor of manganese oxide/reduced graphene oxide nanocomposite coated on flexible carbon fiber paper. Carbon, 2013, 60, 109-116.	5.4	237
393	Preparation of NiFe2O4 nanorodâ€“graphene composites via an ionic liquid assisted one-step hydrothermal approach and their microwave absorbing properties. Journal of Materials Chemistry A, 2013, 1, 5577.	5.2	334
394	Facile preparation and electrochemical characterization of graphene/ZnO nanocomposite for supercapacitor applications. Materials Chemistry and Physics, 2013, 140, 405-411.	2.0	114
395	Capacitance enhancement of polyaniline coated curved-graphene supercapacitors in a redox-active electrolyte. Nanoscale, 2013, 5, 4134.	2.8	151
396	Edgeâ€toâ€Edge Assembled Graphene Oxide Aerogels with Outstanding Mechanical Performance and Superhigh Chemical Activity. Small, 2013, 9, 1397-1404.	5.2	182
397	Graphene-based electrodes for electrochemical energy storage. Energy and Environmental Science, 2013, 6, 1388.	15.6	696
398	Electroactive nanoparticle directed assembly of functionalized graphene nanosheets into hierarchical structures with hybrid compositions for flexible supercapacitors. Nanoscale, 2013, 5, 3976.	2.8	21
399	Hierarchical self-assembly of microscale leaf-like CuO on graphene sheets for high-performance electrochemical capacitors. Journal of Materials Chemistry A, 2013, 1, 367-373.	5.2	177
400	Hierarchically Nanoperforated Graphene as a High Performance Electrode Material for Ultracapacitors. Small, 2013, 9, 2801-2809.	5.2	33
401	Hierarchically porous hybrids of polyaniline nanoparticles anchored on reduced graphene oxide sheets as counter electrodes for dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 2762.	5.2	64
402	Fabrication of graphene oxide/polypyrrole nanowire composite for high performance supercapacitor electrodes. Journal of Power Sources, 2013, 241, 388-395.	4.0	102

#	Article	IF	Citations
403	A novel asymmetric supercapacitor with an activated carbon cathode and a reduced graphene oxideâ€“cobalt oxide nanocomposite anode. Journal of Power Sources, 2013, 242, 148-156.	4.0	163
404	Facile Fabrication of Hierarchically Porous CuFe₂O₄ Nanospheres with Enhanced Capacitance Property. ACS Applied Materials & Interfaces, 2013, 5, 6030-6037.	4.0	206
405	MnO nanoparticles with textured porosity supported on mesoporous carbons. Ceramics International, 2013, 39, 7773-7778.	2.3	10
406	A ternary Pt/MnO2/graphene nanohybrid with an ultrahigh electrocatalytic activity toward methanol oxidation. Journal of Power Sources, 2013, 239, 189-195.	4.0	70
407	Graphene/MnO2-based composites reduced via different chemical agents for supercapacitors. Journal of Power Sources, 2013, 239, 225-233.	4.0	150
408	Polypyrrole-covered MnO2 as electrode material for supercapacitor. Journal of Power Sources, 2013, 240, 267-272.	4.0	126
409	One step synthesis and capacitive performance of graphene nanosheets/Mn3O4 composite. Electrochimica Acta, 2013, 89, 18-23.	2.6	77
410	One-step synthesis of CoMoO4/graphene composites with enhanced electrochemical properties for supercapacitors. Electrochimica Acta, 2013, 99, 253-261.	2.6	222
411	Tubular graphene nanoribbons with attached manganese oxide nanoparticles for use as electrodes in high-performance supercapacitors. Carbon, 2013, 60, 236-245.	5.4	27
412	Threeâ€Dimensional Hierarchical GeSe₂ Nanostructures for High Performance Flexible Allâ€Solidâ€State Supercapacitors. Advanced Materials, 2013, 25, 1479-1486.	11.1	236
413	Large Areal Mass, Flexible and Freeâ€Standing Reduced Graphene Oxide/Manganese Dioxide Paper for Asymmetric Supercapacitor Device. Advanced Materials, 2013, 25, 2809-2815.	11.1	562
414	Novel Carbon-Based Nanomaterials. , 2013, , 61-87.		5
415	CdS nanorods/reduced graphene oxide nanocomposites for photocatalysis and electrochemical sensing. Journal of Materials Chemistry A, 2013, 1, 5158.	5.2	101
416	High performance graphene-poly (o-anisidine) nanocomposite forÂsupercapacitor applications. Materials Chemistry and Physics, 2013, 141, 263-271.	2.0	27
417	Controlled synthesis of nickel sulfide/graphene oxide nanocomposite for high-performance supercapacitor. Applied Surface Science, 2013, 282, 704-708.	3.1	174
419	Reduced graphene oxide-CoFe2O4 composites for supercapacitor electrode. Russian Journal of Electrochemistry, 2013, 49, 359-364.	0.3	60
420	Polymer brush stabilized amorphous MnO2 on graphene oxide sheets as novel electrode materials for high performance supercapacitors. Journal of Materials Chemistry A, 2013, 1, 8587.	5.2	24
421	Composite structure and properties of Mn3O4/graphene oxide and Mn3O4/graphene. Journal of Materials Chemistry A, 2013, , .	5.2	22

#	Article	IF	Citations
422	Ultrathin Porous NiCo₂O₄ Nanosheet Arrays on Flexible Carbon Fabric for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2013, 5, 7405-7409.	4.0	259
423	Progress in the electrochemical modification of graphene-based materials and their applications. Electrochimica Acta, 2013, 107, 425-440.	2.6	112
424	A demonstration of half-metallicity in graphene using Mn3O4 nanosheet. Carbon, 2013, 61, 254-259.	5.4	10
425	Advanced porous carbon electrodes for electrochemical capacitors. Journal of Materials Chemistry A, 2013, 1, 9395.	5.2	156
426	A sandwich-type DNA biosensor based on electrochemical co-reduction synthesis of graphene-three dimensional nanostructure gold nanocomposite films. Analytica Chimica Acta, 2013, 767, 50-58.	2.6	71
427	Preparation of graphene/Co3O4 composites by hydrothermal method and their electrochemical properties. Electrochimica Acta, 2013, 95, 139-145.	2.6	89
428	Facile dip coating processed graphene/MnO2 nanostructured sponges as high performance supercapacitor electrodes. Nano Energy, 2013, 2, 505-513.	8.2	187
429	Controlled synthesis of Zirconium Oxide on graphene nanosheets by atomic layer deposition and its growth mechanism. Carbon, 2013, 52, 74-82.	5.4	55
430	Reduced graphene oxideâ€“cuprous oxide composite via facial deposition for photocatalytic dye-degradation. Journal of Alloys and Compounds, 2013, 568, 26-35.	2.8	61
431	Manganositeâ€“microwave exfoliated graphene oxide composites for asymmetric supercapacitor device applications. Electrochimica Acta, 2013, 101, 99-108.	2.6	83
432	One-step synthesis of Ni₃S₂nanorod@Ni(OH)₂nanosheet coreâ€“shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. Energy and Environmental Science, 2013, 6, 2216-2221.	15.6	554
433	Size-controllable preparation of palladium nanoparticles assembled on TiO2/graphene nanosheets and their electrocatalytic activity for glucose biosensing. Analytical Methods, 2013, 5, 7049.	1.3	12
434	Band gap energies of solar micro/meso-porous composites of zinc (hydr)oxide with graphite oxides. Journal of Applied Physics, 2013, 114, 043522.	1.1	9
435	Manganese dioxide based ternary nanocomposite for catalytic reduction and nonenzymatic sensing of hydrogen peroxide. Electrochimica Acta, 2013, 114, 416-423.	2.6	59
436	Flexible high performance wet-spun graphene fiber supercapacitors. RSC Advances, 2013, 3, 23957.	1.7	152
437	Evidence for oxygen reduction reaction activity of a Ni(OH)2/graphene oxide catalyst. Journal of Materials Chemistry A, 2013, 1, 15501.	5.2	40
438	Different filler effect of carbon nanotube and graphene nanoplatelet in the poly(arylene ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102	1.6	7
439	Nanostructured composite electrode based on manganese dioxide and carbon vulcanâ€“carbon nanotubes for an electrochemical supercapacitor. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 035004.	0.7	16

#	Article	IF	Citations
440	ELECTRODEPOSITION OF POLYPYRROLE/MnO₂ NANOCOMPOSITE ON GRAPHITE FELT AS FREE-STANDING ELECTRODE FOR SUPERCAPACITORS. Nano, 2013, 08, 1350020.	0.5	3
441	Nickel-Doped MnO₂Nanowires Anchored onto Reduced Graphene Oxide for Rapid Cycling Cathode in Lithium Ion Batteries. ECS Journal of Solid State Science and Technology, 2013, 2, M3178-M3181.	0.9	10
442	Demonstrating the Highest Supercapacitive Performance of Branched MnO₂ Nanorods Grown Directly on Flexible Substrates using Controlled Chemistry at Ambient Temperature. Energy Technology, 2013, 1, 125-130.	1.8	35
443	Exploring the Energy Storage Mechanism of High Performance MnO₂ Electrochemical Capacitor Electrodes: An In Situ Atomic Force Microscopy Study in Aqueous Electrolyte. Advanced Functional Materials, 2013, 23, 4745-4751.	7.8	39
444	Facile Low-Temperature Synthesis and Photocatalytic Activity of Graphene Oxide/TiO2 Composite. Bulletin of the Chemical Society of Japan, 2013, 86, 1065-1070.	2.0	7
445	Carbon Materials and Their Energy Conversion and Storage Applications. , 2013, , 59-94.		2
446	Graphene functionalization and its application to polymer composite materials. Nanomaterials and Energy, 2013, 2, 97-111.	0.1	5
447	Inorganic Nanostructures Decorated Graphene. , 2013, , .		3
448	Spontaneous Cracking of Graphite Oxide Sheet on Oxygen Deficient ZnO Film. Chinese Journal of Chemical Physics, 2014, 27, 87-91.	0.6	0
449	Enhanced photo-electrochemical performances of graphene-based composite functionalized by Zn2+ tetraphenylporphyrin. Applied Surface Science, 2014, 321, 404-411.	3.1	14
450	pHâ€Regulated Synthesis of Multiâ€Shelled Manganese Oxide Hollow Microspheres as Supercapacitor Electrodes Using Carbonaceous Microspheres as Templates. Advanced Science, 2014, 1, 1400011.	5.6	154
451	Molecular modification of highly degenerate semiconductor as an active electrode to enhance the performance of supercapacitors. Materials Research Express, 2014, 1, 045508.	0.8	16
452	Synthesis of three-dimensionally ordered macroporous manganese dioxideâ€“carbon nanocomposites for supercapacitors. Journal of Power Sources, 2014, 267, 812-820.	4.0	37
453	Photoinduced electron transfer, improved nonlinear optical properties and photocurrent generation in polyaniline-graphite oxide hybrid. Materials Research Express, 2014, 1, 035051.	0.8	5
454	MnOx/carbon nanotube/reduced graphene oxide nanohybrids as high-performance supercapacitor electrodes. NPG Asia Materials, 2014, 6, e140-e140.	3.8	51
455	Hierarchical Activated Mesoporous Phenolicâ€Resinâ€Based Carbons for Supercapacitors. Chemistry - an Asian Journal, 2014, 9, 2789-2797.	1.7	22
456	Morphology Effects on the Supercapacitive Electrochemical Performances of Iron Oxide/Reduced Graphene Oxide Nanocomposites. ChemElectroChem, 2014, 1, 747-754.	1.7	26
457	High capacitance of surface-modified 2D titanium carbide in acidic electrolyte. Electrochemistry Communications, 2014, 48, 118-122.	2.3	420

#	Article	IF	Citations
458	ZrO₂â€“SiO₂ Nanosheets with Ultrasmall WO₃ Nanoparticles and Their Enhanced Pseudocapacitance and Stability. ACS Applied Materials & Interfaces, 2014, 6, 20171-20178.	4.0	20
459	Reduced graphene oxide decorated with CuOâ€“ZnO hetero-junctions: towards high selective gas-sensing property to acetone. Journal of Materials Chemistry A, 2014, 2, 18635-18643.	5.2	150
460	Ordered Supramolecular Gels Based on Graphene Oxide and Tetracationic Cyclophanes. Advanced Materials, 2014, 26, 2725-2729.	11.1	25
461	Sprayâ€Painted Binderâ€Free SnSe Electrodes for Highâ€Performance Energyâ€Storage Devices. ChemSusChem, 2014, 7, 308-313.	3.6	81
462	Transition metal oxides/hydroxides nanoarrays for aqueous electrochemical energy storage systems. Science China Materials, 2014, 57, 59-69.	3.5	42
463	Facile synthesis and strongly microstructure-dependent electrochemical properties of graphene/manganese dioxide composites for supercapacitors. Nanoscale Research Letters, 2014, 9, 490.	3.1	54
464	Microwave-Assisted Synthesis of Graphene Oxide-MnO₂ Composites for Supercapacitors. Advanced Materials Research, 2014, 936, 607-612.	0.3	0
465	Decoration of reduced graphene oxide with dandelion-like TiO2 and their dielectric properties in poly(arylene ether nitriles) composites. Journal of Materials Science: Materials in Electronics, 2014, 25, 5051-5059.	1.1	4
466	Significant improvement of refractoriness of Al2O3â€“C castables containing calcium aluminate nano-coatings on graphite. Ceramics International, 2014, 40, 4407-4414.	2.3	29
467	One-pot synthesis of Î±-Fe2O3 nanoparticles-decorated reduced graphene oxide for efficient nonenzymatic H2O2 biosensor. Sensors and Actuators B: Chemical, 2014, 190, 645-650.	4.0	58
468	One-pot synthesis of graphene/hydroxyapatite nanorod composite for tissue engineering. Carbon, 2014, 66, 407-416.	5.4	157
469	An efficient redox-mediated organic electrolyte for high-energy supercapacitor. Journal of Power Sources, 2014, 248, 1123-1126.	4.0	55
470	A nanocomposite of needle-like MnO2 nanowires arrays sandwiched between graphene nanosheets for supercapacitors. Ceramics International, 2014, 40, 1251-1255.	2.3	36
471	Effects of grafted carboxyl groups on structural stability and elastic properties of graphene. Materials Chemistry and Physics, 2014, 145, 313-319.	2.0	9
472	Reduced Graphene Oxide Supported MnO Nanoparticles with Excellent Lithium Storage Performance. Electrochimica Acta, 2014, 118, 112-117.	2.6	50
473	Tungsten oxide nanowires grown on graphene oxide sheets as high-performance electrochromic material. Electrochimica Acta, 2014, 129, 40-46.	2.6	38
474	Synthesis of microsphere silicon carbide/nanoneedle manganese oxide composites and their electrochemical properties as supercapacitors. Journal of Power Sources, 2014, 265, 214-222.	4.0	33
475	Super-Long Life Supercapacitors Based on the Construction of Ni foam/graphene/Co3S4 Composite film hybrid electrodes. Electrochimica Acta, 2014, 132, 180-185.	2.6	84

#	Article	IF	Citations
476	Fe3O4 nanoparticles grown on graphene as advanced electrode materials for supercapacitors. Journal of Power Sources, 2014, 245, 101-106.	4.0	307
477	One-step simple sonochemical fabrication and photocatalytic properties of Cu2Oâ€“rGO composites. Ultrasonics Sonochemistry, 2014, 21, 129-135.	3.8	87
478	Composites of olive-like manganese oxalate on graphene sheets for supercapacitor electrodes. Ionics, 2014, 20, 145-149.	1.2	29
479	25th Anniversary Article: Hybrid Nanostructures Based on Twoâ€Dimensional Nanomaterials. Advanced Materials, 2014, 26, 2185-2204.	11.1	579
480	Dispersing WO3 in carbon aerogel makes an outstanding supercapacitor electrode material. Carbon, 2014, 69, 287-293.	5.4	94
481	Solution synthesis of metal oxides for electrochemical energy storage applications. Nanoscale, 2014, 6, 5008-5048.	2.8	363
482	Recent progress on carbon-based support materials for electrocatalysts of direct methanol fuel cells. Journal of Materials Chemistry A, 2014, 2, 6266-6291.	5.2	449
483	MnO2-Based Electrochemical Supercapacitors on Flexible Carbon Substrates. Journal of Electronic Materials, 2014, 43, 1188-1193.	1.0	14
484	Graphene/MnO2 hybrid nanosheets as high performance electrode materials for supercapacitors. Materials Chemistry and Physics, 2014, 143, 740-746.	2.0	34
485	Carbon/MnO₂ Double-Walled Nanotube Arrays with Fast Ion and Electron Transmission for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 2726-2733.	4.0	104
486	Direct Growth of Flowerâ€Like Îˆâ€MnO₂ on Threeâ€Dimensional Graphene for Highâ€Performance Rechargeable Liâ€O₂ Batteries. Advanced Energy Materials, 2014, 4, 1301960.	10.2	154
487	Potentiostatically deposited polypyrrole/graphene decorated nano-manganese oxide ternary film for supercapacitors. Ceramics International, 2014, 40, 3855-3864.	2.3	94
488	Supercapacitive properties of nanostructured MnO2/exfoliated graphite synthesized by ultrasonic vibration. Journal of Electroanalytical Chemistry, 2014, 719, 98-105.	1.9	46
489	Nitrogen-doped porous carbons through KOH activation with superior performance in supercapacitors. Carbon, 2014, 68, 185-194.	5.4	341
490	Super Longâ€Life Supercapacitors Based on the Construction of Nanohoneycombâ€Like Strongly Coupled CoMoO₄â€“3D Graphene Hybrid Electrodes. Advanced Materials, 2014, 26, 1044-1051.	11.1	630
491	Facile synthesis of monodisperse porous Cu2O nanospheres on reduced graphene oxide for non-enzymatic amperometric glucose sensing. Electrochimica Acta, 2014, 115, 103-108.	2.6	105
492	Simultaneous determination of catechol and hydroquinone using a Pt/ZrO2-RGO/GCE composite modified glassy carbon electrode. Electrochimica Acta, 2014, 125, 503-509.	2.6	79
493	Facile Synthesis of 3D MnO₂â€“Graphene and Carbon Nanotubeâ€“Graphene Composite Networks for Highâ€Performance, Flexible, Allâ€Solidâ€State Asymmetric Supercapacitors. Advanced Energy Materials, 2014, 4, 1400064.	10.2	360

#	Article	IF	Citations
494	MnO2 nano/micro hybrids for supercapacitors: â€œNano's Envy, Micro's prideâ€• RSC Advances, 2014, 4, 15863-15869.	1.7	13
495	3D (Three-dimensional) sandwich-structured of ZnO (zinc oxide)/rGO (reduced graphene oxide)/ZnO for high performance supercapacitors. Energy, 2014, 69, 266-271.	4.5	67
496	One-pot synthesis of MnOOH nanorods on graphene for asymmetric supercapacitors. Electrochimica Acta, 2014, 127, 200-207.	2.6	70
497	Porous NiCo2O4-reduced graphene oxide (rGO) composite with superior capacitance retention for supercapacitors. Electrochimica Acta, 2014, 132, 332-337.	2.6	76
498	A novel 3D structured reduced graphene oxide/TiO₂ composite: synthesis and photocatalytic performance. Journal of Materials Chemistry A, 2014, 2, 3605-3612.	5.2	59
499	Composite graphene/semiconductor nanostructures for energy storage. , 2014, , 213-266.		2
500	Graphene and Grapheneâ€Based Materials for Energy Storage Applications. Small, 2014, 10, 3480-3498.	5.2	653
501	Supercapacitors with high capacitance based on reduced graphene oxide/carbon nanotubes/NiO composite electrodes. Journal of Materials Chemistry A, 2014, 2, 3834-3840.	5.2	130
502	The Role of Ionic Electrolytes on Capacitive Performance of ZnO-Reduced Graphene Oxide Nanohybrids with Thermally Tunable Morphologies. ACS Applied Materials & Interfaces, 2014, 6, 1394-1405.	4.0	83
503	Dual-Layer-Structured Nickel Hexacyanoferrate/MnO₂ Composite as a High-Energy Supercapacitive Material Based on the Complementarity and Interlayer Concentration Enhancement Effect. ACS Applied Materials & Interfaces, 2014, 6, 6196-6201.	4.0	76
504	A Flexible and Highâ€Voltage Internal Tandem Supercapacitor Based on Grapheneâ€Based Porous Materials with Ultrahigh Energy Density. Small, 2014, 10, 2285-2292.	5.2	56
505	Kirkendall Effect Induced One-Step Fabrication of Tubular Ag/MnO_x Nanocomposites for Supercapacitor Application. Journal of Physical Chemistry C, 2014, 118, 6604-6611.	1.5	55
506	Highly efficient synthesis of graphene/MnO2 hybrids and their application for ultrafast oxidative decomposition of methylene blue. Carbon, 2014, 66, 485-492.	5.4	189
507	Polymer-directed synthesis of metal oxide-containing nanomaterials for electrochemical energy storage. Nanoscale, 2014, 6, 106-121.	2.8	40
508	Co-electrodeposition of MnO2/graphene oxide coating on carbon paper from phosphate buffer and the capacitive properties. Journal of Solid State Electrochemistry, 2014, 18, 553-559.	1.2	15
509	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. Advanced Optical Materials, 2014, 2, 10-28.	3.6	235
510	Facile room temperature methods for growing ultra thin films of graphene nanosheets, nanoparticulate tin oxide and preliminary assessment of grapheneâ€“tin oxide stacked layered composite structure for supercapacitor application. RSC Advances, 2014, 4, 4094-4104.	1.7	20
511	Amine-Functionalized GO as an Active and Reusable Acidâ€“Base Bifunctional Catalyst for One-Pot Cascade Reactions. ACS Catalysis, 2014, 4, 394-401.	5.5	154

#	Article	IF	Citations
512	Room temperature reduction of multilayer graphene oxide film on a copper substrate: Penetration and participation of copper phase in redox reactions. Carbon, 2014, 69, 563-570.	5.4	25
513	CoO nanoflowers woven by CNT network for high energy density flexible micro-supercapacitor. Nano Energy, 2014, 3, 46-54.	8.2	185
514	Fabrication of carbon nanotube/NiOx(OH)y nanocomposite by pulsed electrodeposition for supercapacitor applications. Journal of Power Sources, 2014, 245, 324-330.	4.0	43
515	Agâ€“graphene hybrid conductive ink for writing electronics. Nanotechnology, 2014, 25, 055201.	1.3	89
516	Fabrication of grapheneâ€“carbon nanotube papers decorated with manganese oxide nanoneedles on the graphene sheets for supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 351-361.	1.3	57
517	Inorganic nanostructured materials for high performance electrochemical supercapacitors. Nanoscale, 2014, 6, 2037.	2.8	201
518	Graphene oxide supported MnO₂ nanorods: an efficient heterogeneous catalyst for oxidation of aromatic amines to azo-compounds. RSC Advances, 2014, 4, 61187-61192.	1.7	22
519	Amorphous MnO2 supported on 3D-Ni nanodendrites for large areal capacitance supercapacitors. Electrochimica Acta, 2014, 149, 341-348.	2.6	84
520	Fabrication and electrochemical performance of grapheneâ€”ZnO nanocomposites. Chinese Physics B, 2014, 23, 057205.	0.7	7
521	Solvothermal hybridization of LiMn_{1/3}Ni_{1/3}Co_{1/3}O₂and reduced graphene oxide to promote lithium-ion cathode performance. RSC Advances, 2014, 4, 62615-62620.	1.7	7
522	Impact of the degree of functionalization of graphene oxide on the electrochemical charge storage property and metal ion adsorption. RSC Advances, 2014, 4, 62737-62745.	1.7	44
523	Liquid Crystalline Dispersions of Grapheneâ€Oxideâ€Based Hybrids: A Practical Approach towards the Next Generation of 3D Isotropic Architectures for Energy Storage Applications. Particle and Particle Systems Characterization, 2014, 31, 465-473.	1.2	20
524	Single Step Synthesis of Gold Nanoparticles Decorated Graphene Oxide Using Aniline as Reducing Agent and Study its Application on Elecrocatalytic Detection of Tryptophan. Advanced Materials Research, 2014, 938, 182-191.	0.3	1
525	Reduced graphene oxide and graphene composite materials for improved gas sensing at low temperature. Faraday Discussions, 2014, 173, 403-414.	1.6	33
526	The synthesis of a coreâ€“shell MnO₂/3D-ordered hollow carbon sphere composite and its superior electrochemical capability for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 6343-6347.	5.2	42
527	Templated 3D Ultrathin CVD Graphite Networks with Controllable Geometry: Synthesis and Application As Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2014, 6, 18413-18417.	4.0	24
528	In situ engineering of urchin-like reduced graphene oxideâ€“Mn₂O₃â€“Mn₃O₄nanostructures for supercapacitors. RSC Advances, 2014, 4, 886-892.	1.7	40
529	Development of high power and energy density microsphere silicon carbideâ€“MnO2 nanoneedles and thermally oxidized activated carbon asymmetric electrochemical supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 11323.	1.3	101

#	Article	IF	Citations
530	Poly(3,4-ethylenedioxythiophene)/MoS₂nanocomposites with enhanced electrochemical capacitance performance. RSC Advances, 2014, 4, 56926-56932.	1.7	52
531	A noble metal-free reduced graphene oxideâ€“CdS nanorod composite for the enhanced visible-light photocatalytic reduction of CO2 to solar fuel. Journal of Materials Chemistry A, 2014, 2, 3407.	5.2	499
532	In situ synthesis of a reduced graphene oxide/cuprous oxide nanocomposite: a reusable catalyst. RSC Advances, 2014, 4, 52044-52052.	1.7	57
533	Low-temperature solution-processable Ni(OH)₂ ultrathin nanosheet/N-graphene nanohybrids for high-performance supercapacitor electrodes. Nanoscale, 2014, 6, 5960-5966.	2.8	41
535	Oxygen Vacancy Formation and Reduction Properties of Î²-MnO₂ Grain Boundaries and the Potential for High Electrochemical Performance. ACS Applied Materials & Interfaces, 2014, 6, 17776-17784.	4.0	39
536	Manganese dioxide coreâ€“shell nanowires in situ grown on carbon spheres for supercapacitor application. CrystEngComm, 2014, 16, 4016.	1.3	31
537	Interface chemistry engineering in electrode systems for electrochemical energy storage. RSC Advances, 2014, 4, 37491-37502.	1.7	7
538	Graphene enhanced carbon-coated tin dioxide nanoparticles for lithium-ion secondary batteries. Journal of Materials Chemistry A, 2014, 2, 7471-7477.	5.2	65
539	Worm-like amorphous MnO2nanowires grown on textiles for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2014, 2, 595-599.	5.2	120
540	Hydrothermal synthesis of Fe₃O₄/RGO composites and investigation of electrochemical performances for energy storage applications. RSC Advances, 2014, 4, 44777-44785.	1.7	54
541	Graphene oxide capturing surface-fluorinated TiO₂nanosheets for advanced photocatalysis and the reveal of synergism reinforce mechanism. Dalton Transactions, 2014, 43, 2202-2210.	1.6	66
542	High performance rigid and flexible visible-light photodetectors based on aligned X(In, Ga)P nanowire arrays. Journal of Materials Chemistry C, 2014, 2, 1270-1277.	2.7	53
543	Bandgap engineering through nanocrystalline magnetic alloy grafting on reduced graphene oxide. Physical Chemistry Chemical Physics, 2014, 16, 19661-19667.	1.3	12
544	Paramecium-like Î±-MnO₂hierarchical hollow structures with enhanced electrochemical capacitance prepared by a facile dopamine carbon-source assisted shell-swelling etching method. Journal of Materials Chemistry A, 2014, 2, 20729-20738.	5.2	33
545	Highly conductive carbonâ€“CoO hybrid nanostructure arrays with enhanced electrochemical performance for asymmetric supercapacitors. Journal of Materials Chemistry A, 2014, 2, 11776-11783.	5.2	147
546	Synthesis and electrochemistry of pseudocapacitive multilayer fullerenes and MnO₂nanocomposites. Journal of Materials Chemistry A, 2014, 2, 2152-2159.	5.2	64
547	High-performance supercapacitors based on defect-engineered carbon nanotubes. Carbon, 2014, 80, 246-254.	5.4	68
548	Three-dimensional and stable polyaniline-grafted graphene hybrid materials for supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 15273-15278.	5.2	134

#	Article	IF	Citations
549	Facile synthesis of a reduced graphene oxide/cobalt sulfide hybrid and its electrochemical capacitance performance. RSC Advances, 2014, 4, 29216-29222.	1.7	37
550	Shape tailored Ni₃(NO₃)₂(OH)₄nano-flakes simulating 3-D bouquet-like structures for supercapacitors: exploring the effect of electrolytes on stability and performance. RSC Advances, 2014, 4, 39378-39385.	1.7	30
551	Synthesis of three-dimensional self-standing graphene/Ni(OH)2 composites for high-performance supercapacitors. RSC Advances, 2014, 4, 18080-18085.	1.7	28
552	Nitrogen Modified-Reduced Graphene Oxide Supports for Catalysts for Fuel Cells and Their Electrocatalytic Activity. Journal of the Electrochemical Society, 2014, 161, F518-F524.	1.3	16
553	Enhanced electrochemical properties of cobalt doped manganese dioxide nanowires. Journal of Alloys and Compounds, 2014, 617, 491-497.	2.8	48
554	Tuned n/n or n/p heterojunctions for reduced graphene oxide andÂtitania nanosheets and their electrochemical properties. Materials Chemistry and Physics, 2014, 148, 803-809.	2.0	9
555	One-step hydrothermal fabrication of strongly coupled Co3O4 nanosheetsâ€“reduced graphene oxide for electrochemical capacitors. RSC Advances, 2014, 4, 14408-14413.	1.7	71
556	Novel Silver Nanoparticleâ€“Manganese Oxyhydroxideâ€“Graphene Oxide Nanocomposite Prepared by Modified Silver Mirror Reaction and Its Application for Electrochemical Sensing. ACS Applied Materials & Interfaces, 2014, 6, 5439-5449.	4.0	89
557	Redox Deposition of Birnessite-Type Manganese Oxide on Silicon Carbide Microspheres for Use as Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2014, 6, 9036-9045.	4.0	71
558	Facile synthesis of cobalt sulfide/carbon nanotube shell/core composites for high performance supercapacitors. RSC Advances, 2014, 4, 12050.	1.7	55
559	Achieving 100% Utilization of Reduced Graphene Oxide by Layer-by-Layer Assembly: Insight into the Capacitance of Chemically Derived Graphene in a Monolayer State. Journal of Physical Chemistry C, 2014, 118, 6624-6630.	1.5	12
560	High-power and high-energy asymmetric supercapacitors based on Li⁺-intercalation into a T-Nb₂O₅/graphene pseudocapacitive electrode. Journal of Materials Chemistry A, 2014, 2, 17962-17970.	5.2	153
561	Performance evaluation of Asymmetric Supercapacitor based on Cobalt manganite modified graphene nanoribbons. Electrochimica Acta, 2014, 146, 429-436.	2.6	82
562	Morphology control, defect engineering and photoactivity tuning of ZnO crystals by graphene oxide â€“ a unique 2D macromolecular surfactant. Physical Chemistry Chemical Physics, 2014, 16, 5589.	1.3	124
563	Dimensionally integrated nanoarchitectonics for a novel composite from 0D, 1D, and 2D nanomaterials: RGO/CNT/CeO₂ternary nanocomposites with electrochemical performance. Journal of Materials Chemistry A, 2014, 2, 18480-18487.	5.2	118
564	Zincâ€“Air Battery: Understanding the Structure and Morphology Changes of Graphene-Supported CoMn₂O₄Bifunctional Catalysts Under Practical Rechargeable Conditions. ACS Applied Materials & Interfaces, 2014, 6, 16545-16555.	4.0	132
565	Controlled fabrication and tunable photoluminescence properties of Mn 2+ doped grapheneâ€“ZnO composite. Materials Research Bulletin, 2014, 59, 93-97.	2.7	2
566	Nitrogen-doped reduced graphene oxide-Ni(OH)2-built 3D flower composite with easy hydrothermal process and excellent electrochemical performance. Electrochimica Acta, 2014, 138, 69-78.	2.6	47

#	Article	IF	Citations
567	High performance supercapacitor for efficient energy storage under extreme environmental temperatures. Nano Energy, 2014, 8, 231-237.	8.2	146
568	Preparation of scale-like nickel cobaltite nanosheets assembled on nitrogen-doped reduced graphene oxide for high-performance supercapacitors. Carbon, 2014, 80, 222-228.	5.4	63
569	Enhanced high-rate discharge properties of La 11.3 Mg 6.0 Sm 7.4 Ni 61.0 Co 7.2 Al 7.1 with added graphene synthesized by plasma milling. International Journal of Hydrogen Energy, 2014, 39, 12765-12772.	3.8	191
570	Flower-like MnO2 decorated activated multihole carbon as high-performance asymmetric supercapacitor electrodes. Materials Letters, 2014, 135, 11-14.	1.3	55
571	Layered inorganicâ€“organic hybrid material based on reduced graphene oxide and Î±-Ni(OH)₂ for high performance supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 17848-17856.	5.2	56
572	Scalable fabrication of MnO₂ nanostructure deposited on free-standing Ni nanocone arrays for ultrathin, flexible, high-performance micro-supercapacitor. Energy and Environmental Science, 2014, 7, 2652-2659.	15.6	247
573	One-pot synthesis of thin Co(OH)₂nanosheets on graphene and their high activity as a capacitor electrode. RSC Advances, 2014, 4, 51619-51623.	1.7	26
574	Controllable hydrothermal synthesis of Cu-doped Î´-MnO2 films with different morphologies for energy storage and conversion using supercapacitors. Applied Energy, 2014, 134, 439-445.	5.1	99
575	One-step synthesis of free-standing Î±-Ni(OH)₂ nanosheets on reduced graphene oxide for high-performance supercapacitors. Nanotechnology, 2014, 25, 435403.	1.3	52
576	Direct electrochemistry of glucose oxidase immobilized on ZrO₂ nanoparticles-decorated reduced graphene oxide sheets for a glucose biosensor. RSC Advances, 2014, 4, 30358-30367.	1.7	51
577	Graphene quantum dotsâ€“three-dimensional graphene composites for high-performance supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 19307-19313.	1.3	164
578	Polyoxometalateâ€coupled Graphene via Polymeric Ionic Liquid Linker for Supercapacitors. Advanced Functional Materials, 2014, 24, 7301-7309.	7.8	107
579	Noncovalently Functionalized Graphene-Directed Synthesis of Ultralarge Graphene-Based TiO₂ Nanosheet Composites: Tunable Morphology and Photocatalytic Applications. Journal of Physical Chemistry C, 2014, 118, 27325-27335.	1.5	54
580	Graphene/activated carbon supercapacitors with sulfonated-polyetheretherketone as solid-state electrolyte and multifunctional binder. Solid State Sciences, 2014, 37, 80-85.	1.5	29
581	Fe₃O₄/carbon nanotubes/polyaniline ternary composites with synergistic effects for high performance supercapacitors. RSC Advances, 2014, 4, 52393-52401.	1.7	36
582	Biomimetic and Cell-Mediated Mineralization of Hydroxyapatite by Carrageenan Functionalized Graphene Oxide. ACS Applied Materials & Interfaces, 2014, 6, 3132-3140.	4.0	130
583	Temperature effect on the binder-free nickel copper oxide nanowires with superior supercapacitor performance. Nanoscale, 2014, 6, 12981-12989.	2.8	38
584	Chitosan/graphene oxide nanocomposite films with enhanced interfacial interaction and their electrochemical applications. Applied Surface Science, 2014, 314, 510-515.	3.1	63

#	Article	IF	Citations
585	Reduced graphene oxide/Ni_{1â^'x}Co_xAl-layered double hydroxide composites: preparation and high supercapacitor performance. Dalton Transactions, 2014, 43, 11667-11675.	1.6	121
586	Graphene-based three-dimensional hierarchical sandwich-type architecture for high performance supercapacitors. RSC Advances, 2014, 4, 8466-8471.	1.7	42
587	Electrocapacitive performance of graphene/Co3O4 hybrid material prepared by a nanosheet assembly route. Electrochimica Acta, 2014, 119, 184-191.	2.6	48
588	Ionâ€Transfer Voltammetry at Carbon Nanofibre Membranes Produced by 500â€‰Â°C Graphitisation/Graphenisation of Electrospun Polyâ€Acrylonitrile. Electroanalysis, 2014, 26, 69-75.	1.5	2
589	Development of MnO₂/porous carbon microspheres with a partially graphitic structure for high performance supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 2555-2562.	5.2	292
590	Manganese dioxide nanosheet arrays grown on graphene oxide as an advanced electrode material for supercapacitors. Electrochimica Acta, 2014, 117, 528-533.	2.6	78
591	Direct electrochemistry of cytochrome c immobilized on a graphene oxideâ€“carbon nanotube composite for picomolar detection of hydrogen peroxide. RSC Advances, 2014, 4, 28229-28237.	1.7	68
592	Capacitance performance of nanostructured Î²-Ni(OH)2 with different morphologies grown on nickel foam. Journal of Electroanalytical Chemistry, 2014, 720-721, 115-120.	1.9	14
593	Electrochemical Capacitors Fabricated with Tin Oxide/Graphene Oxide Nanocomposites. Journal of Physical Chemistry C, 2014, 118, 15146-15153.	1.5	55
594	Î± MnMoO₄/graphene hybrid composite: high energy density supercapacitor electrode material. Dalton Transactions, 2014, 43, 11067-11076.	1.6	144
595	The self-assembly of shape controlled functionalized grapheneâ€“MnO₂ composites for application as supercapacitors. Journal of Materials Chemistry A, 2014, 2, 9178-9184.	5.2	93
596	High-voltage and high-rate symmetric supercapacitor based on MnO₂-polypyrrole hybrid nanofilm. Nanotechnology, 2014, 25, 305401.	1.3	44
597	A simple route to prepare free-standing graphene thin film for high-performance flexible electrode materials. RSC Advances, 2014, 4, 30422.	1.7	6
598	Low cost and flexible mesh-based supercapacitors for promising large-area flexible/wearable energy storage. Nano Energy, 2014, 6, 82-91.	8.2	44
599	Facile preparation of the novel structured Î±-MnO2/Graphene nanocomposites and their electrochemical properties. Solid State Sciences, 2014, 27, 17-23.	1.5	26
600	Biomimetic graphene oxideâ€“hydroxyapatite composites via in situ mineralization and hierarchical assembly. RSC Advances, 2014, 4, 25398-25403.	1.7	33
601	Au@MnO₂ Coreâ€“Shell Nanomesh Electrodes for Transparent Flexible Supercapacitors. Small, 2014, 10, 4136-4141.	5.2	93
602	Electrochemically Self-Doped TiO₂ Nanotube Arrays for Supercapacitors. Journal of Physical Chemistry C, 2014, 118, 5626-5636.	1.5	281

#	Article	IF	Citations
603	Thermal wave propagation in graphene studied by molecular dynamics simulations. Science Bulletin, 2014, 59, 3495-3503.	1.7	40
604	Highâ€Voltage Asymmetric Supercapacitors based on Carbon and Manganese Oxide/Oxidized Carbon Nanofiber Composite Electrodes. Energy Technology, 2014, 2, 819-824.	1.8	30
605	Facile synthesis of ultralong MnO₂ nanowires as high performance supercapacitor electrodes and photocatalysts with enhanced photocatalytic activities. CrystEngComm, 2014, 16, 9999-10005.	1.3	103
606	The effect of dispersion status with functionalized graphenes for electric double-layer capacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 190, 59-65.	1.7	11
607	Fabrication of Ce-doped MnO₂decorated graphene sheets for fire safety applications of epoxy composites: flame retardancy, smoke suppression and mechanism. Journal of Materials Chemistry A, 2014, 2, 17341-17351.	5.2	78
608	Effects of Amphiphilic Carbonaceous Nanomaterial on the Synthesis of MnO₂ and Its Energy Storage Capability as an Electrode Material for Pseudocapacitors. Industrial & Engineering Chemistry Research, 2014, 53, 10974-10981.	1.8	9
609	Controlled synthesis of CuInS2/reduced graphene oxide nanocomposites for efficient dye-sensitized solar cells. Journal of Power Sources, 2014, 272, 639-646.	4.0	38
610	Pseudocapacitive behavior of manganese oxide in lithium-ion-doped butylmethylpyrrolidiniumâ€“dicyanamide ionic liquid investigated using in situ X-ray absorption spectroscopy. Journal of Power Sources, 2014, 246, 269-276.	4.0	19
611	NiO/MnO2 core/shell nanocomposites for high-performance pseudocapacitors. Materials Letters, 2014, 114, 40-43.	1.3	27
612	Porous Nickel Hydroxideâ€“Manganese Dioxide-Reduced Graphene Oxide Ternary Hybrid Spheres as Excellent Supercapacitor Electrode Materials. ACS Applied Materials & Interfaces, 2014, 6, 8621-8630.	4.0	240
613	Needle-like Co₃O₄ Anchored on the Graphene with Enhanced Electrochemical Performance for Aqueous Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 7626-7632.	4.0	316
614	Electrochemistry of Graphene and Related Materials. Chemical Reviews, 2014, 114, 7150-7188.	23.0	968
615	Supercapacitors based on freeze dried MnO2 embedded PEDOT: PSS hybrid sponges. Microporous and Mesoporous Materials, 2014, 186, 30-36.	2.2	37
616	Effects of the graphene content and the treatment temperature on the supercapacitive properties of VOx/graphene nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 449, 148-156.	2.3	21
617	The effect of oxygen functional groups on the electrical transport behavior of a single piece multi-layered graphene oxide. Synthetic Metals, 2014, 191, 1-5.	2.1	24
618	Synthesis of MnO2/graphene/carbon nanotube nanostructured ternary composite for supercapacitor electrodes with high rate capability. Materials Chemistry and Physics, 2014, 147, 141-146.	2.0	44
619	Capacitance behavior of composites for supercapacitor applications prepared with different durations of graphene/nanoneedle MnO2 reduction. Microelectronics Reliability, 2014, 54, 587-594.	0.9	14
620	New electrode active materials for supercapacitors: Pencil graphite electrode coated with cobalt ion doped poly(3-methylthiophene) and poly(3,4-ethylenedioxythiophene). Synthetic Metals, 2014, 193, 81-88.	2.1	13

#	Article	IF	Citations
621	Synthesis of long chain-like nickel cobalt oxide nanoneedlesâ€“reduced graphene oxide composite material for high-performance supercapacitors. Ceramics International, 2014, 40, 12751-12758.	2.3	24
622	Preparation and Characterization of MnO2/acid-treated CNT Nanocomposites for Energy Storage with Zinc Ions. Electrochimica Acta, 2014, 133, 254-261.	2.6	246
623	Carbon@MnO2 coreâ€“shell nanospheres for flexible high-performance supercapacitor electrode materials. Journal of Power Sources, 2014, 259, 219-226.	4.0	182
624	Three-dimensional nanoporous TiO2 network films with excellent electrochemical capacitance performance. Journal of Alloys and Compounds, 2014, 597, 1-7.	2.8	25
625	Phenylenediamine functionalized reduced graphene oxide/polyaniline hybrid: synthesis, characterization, improved conductivity and photocurrent generation. RSC Advances, 2014, 4, 29901-29908.	1.7	12
626	Three-dimensional multichannel aerogel of carbon quantum dots for high-performance supercapacitors. Nanotechnology, 2014, 25, 235401.	1.3	69
627	Functionalization of Biomass Carbonaceous Aerogels: Selective Preparation of MnO₂@CA Composites for Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 9689-9697.	4.0	125
628	Flexible supercapacitors based on carbon nanomaterials. Journal of Materials Chemistry A, 2014, 2, 10756.	5.2	402
629	High performance flexible solid-state asymmetric supercapacitors from MnO₂/ZnO coreâ€“shell nanorods//specially reduced graphene oxide. Journal of Materials Chemistry C, 2014, 2, 1331-1336.	2.7	266
630	A Versatile Self-Assembly Approach toward High Performance Nanoenergetic Composite Using Functionalized Graphene. Langmuir, 2014, 30, 6556-6564.	1.6	91
631	Binder free synthesis of MnO2 nanoplates/graphene composites with enhanced supercapacitive properties. Solid State Communications, 2014, 192, 82-88.	0.9	14
632	Fe3O4/C composites synthesized from Fe-based xerogels for anode materials of Li-ion batteries. Solid State Ionics, 2014, 261, 45-52.	1.3	14
633	Ternary manganese ferrite/graphene/polyaniline nanostructure with enhanced electrochemical capacitance performance. Journal of Power Sources, 2014, 266, 384-392.	4.0	169
634	NiCo₂O₄-based materials for electrochemical supercapacitors. Journal of Materials Chemistry A, 2014, 2, 14759-14772.	5.2	420
635	In situ growth of Co₃O₄ nanoparticles on Î±-MnO₂ nanotubes: a new hybrid for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 8465-8471.	5.2	44
636	Sonication assisted preparation of graphene oxide/graphitic-C3N4 nanosheet hybrid with reinforced photocurrent for photocatalyst applications. Dalton Transactions, 2014, 43, 6295.	1.6	178
637	Nanostructured Ternary Nanocomposite of rGO/CNTs/MnO₂ for High-Rate Supercapacitors. ACS Sustainable Chemistry and Engineering, 2014, 2, 70-74.	3.2	102
638	Magnetic graphene foam for efficient adsorption of oil and organic solvents. Journal of Colloid and Interface Science, 2014, 430, 337-344.	5.0	133

#	Article	IF	Citations
639	Electrochemically active MnO2/RGO nanocomposites using Mn powder as the reducing agent of GO and the MnO2 precursor. Electrochimica Acta, 2014, 130, 305-313.	2.6	57
640	A Facile Hydrothermal Synthesis of a MnCo2O4@Reduced Graphene Oxide Nanocomposite for Application in Supercapacitors. Chemistry Letters, 2014, 43, 83-85.	0.7	45
641	Flexible Carbon-Based Nanogenerators. Materials Research Society Symposia Proceedings, 2015, 1782, 1-8.	0.1	0
642	Advanced Materials for Supercapacitors. Electrochemical Energy Storage and Conversion, 2015, , 423-449.	0.0	0
643	Anomalous enhancement in the magnetoconductance of graphene/CoFe₂O₄composite due to spinâ€“orbit coupling. Journal Physics D: Applied Physics, 2015, 48, 435002.	1.3	16
644	Bistability and pH Hysteresis of Graphene Oxide Solution in Circle Acidâ€“Base Titration. Chemistry Letters, 2015, 44, 454-456.	0.7	1
645	The Tuning of Phase, Morphology and Performance of Graphene Oxide/Manganese Oxide for Supercapacitors. Materials Transactions, 2015, 56, 1857-1862.	0.4	4
646	Controlled-Fabrication of Sandwich-Structured NiO/Ni/NiO Nanotube Arrays for Energy Storage. , 2015, , .		0
647	Flexible Asymmetric Supercapacitor Based on Structureâ€Optimized Mn₃O₄/Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. Advanced Functional Materials, 2015, 25, 7291-7299.	7.8	146
648	Controllable Synthesis of Grapheneâ€Encapsulated Lowâ€Dimensional Nanocomposites. Advanced Materials Interfaces, 2015, 2, 1500112.	1.9	3
649	In situ polymerization of polyimideâ€based nanocomposites via covalent incorporation of functionalized graphene nanosheets for enhancing mechanical, thermal, and electrical properties. Journal of Applied Polymer Science, 2015, 132, .	1.3	17
650	Synthesis of Manganese Oxide Microspheres by Ultrasonic Spray Pyrolysis and Their Application as Supercapacitors. Particle and Particle Systems Characterization, 2015, 32, 899-906.	1.2	15
651	Hierarchical Tubular Structures Composed of Mnâ€Based Mixed Metal Oxide Nanoflakes with Enhanced Electrochemical Properties. Advanced Functional Materials, 2015, 25, 5184-5189.	7.8	124
652	Carbon Nanosheets: Synthesis and Application. ChemSusChem, 2015, 8, 2004-2027.	3.6	93
653	Decoration of Hydrophobic Graphene Nanosheets with Iron Phosphate Based Materials in an Aqueous Solution. ChemElectroChem, 2015, 2, 2048-2054.	1.7	0
655	A Review of Electrospun Conductive Polyaniline Based Nanofiber Composites and Blends: Processing Features, Applications, and Future Directions. Advances in Materials Science and Engineering, 2015, 2015, 1-19.	1.0	63
656	Low Temperature Synthesis of MnO₂/Graphene Nanocomposites for Supercapacitors. Journal of Chemistry, 2015, 2015, 1-8.	0.9	4
657	Effect of waste cellulose fibres on the charge storage capacity of polypyrrole and graphene/polypyrrole electrodes for supercapacitor application. RSC Advances, 2015, 5, 27347-27355.	1.7	63

#	Article	IF	Citations
658	Facile Preparation of MnO₂/Graphene Nanocomposites with Spent Battery Powder for Electrochemical Energy Storage. ACS Sustainable Chemistry and Engineering, 2015, 3, 1330-1338.	3.2	57
659	Engineering of MnO2-based nanocomposites for high-performance supercapacitors. Progress in Materials Science, 2015, 74, 51-124.	16.0	449
660	Electrochemical Hierarchical Composites. , 2015, , 239-286.		1
661	A novel interfacial synthesis of MnOâ€“NiOâ€“reduced graphene oxide hybrid with enhanced pseudocapacitance performance. RSC Advances, 2015, 5, 54138-54147.	1.7	3
662	Orderly sandwich-shaped graphene oxide/Nafion composite membranes for direct methanol fuel cells. Journal of Membrane Science, 2015, 492, 58-66.	4.1	102
663	Manganese oxide nanowires wrapped with nitrogen doped carbon layers for high performance supercapacitors. Journal of Colloid and Interface Science, 2015, 455, 188-193.	5.0	25
664	Non-covalent functionalization of reduced graphene oxide using sulfanilic acid azocromotrop and its application as a supercapacitor electrode material. Journal of Materials Chemistry A, 2015, 3, 7323-7331.	5.2	125
665	Facile synthesis of ternary MnO2/graphene nanosheets/carbon nanotubes composites with high rate capability for supercapacitor applications. Electrochimica Acta, 2015, 174, 345-355.	2.6	63
667	Optimised synthesis of close packed ZnO cloth and its applications in Li-ion batteries and dye-sensitized solar cells. Frontiers of Optoelectronics, 2015, 8, 220-228.	1.9	1
668	Nitrogen-enriched activated carbons from waste particleboard used as electrode materials for supercapacitors: effects of activating agent on surface characteristics. RSC Advances, 2015, 5, 50843-50850.	1.7	12
669	Solvothermal synthesis of grapheneâ€“MnO2 nanocomposites and their electrochemical behavior. Ceramics International, 2015, 41, 11418-11427.	2.3	56
670	Impact of trace graphene oxide in coagulation bath on morphology and performance of polysulfone ultrafiltration membrane. Separation and Purification Technology, 2015, 147, 364-371.	3.9	27
671	Composites of MnO2 nanocrystals and partially graphitized hierarchically porous carbon spheres with improved rate capability for high-performance supercapacitors. Carbon, 2015, 93, 258-265.	5.4	56
672	A Synthesis Method of MnO₂/Activated Carbon Composite for Electrochemical Supercapacitors. Journal of the Electrochemical Society, 2015, 162, A1654-A1661.	1.3	85
673	High Dielectric Performance Composites with a Hybrid BaTiO₃/Graphene as Filler and Poly(vinylidene fluoride) as Matrix. ECS Journal of Solid State Science and Technology, 2015, 4, N47-N54.	0.9	18
674	Strong interfacial polarization in ZnO decorated reduced-graphene oxide synthesized by molecular level mixing. Physical Chemistry Chemical Physics, 2015, 17, 17237-17245.	1.3	37
675	Rifampicin determination in human serum and urine based on a disposable carbon paste microelectrode modified with a hollow manganese oxide@mesoporous silica oxide core-shell nanohybrid. Canadian Journal of Chemistry, 2015, 93, 1061-1068.	0.6	9
676	Metallic CoS₂ nanowire electrodes for high cycling performance supercapacitors. Nanotechnology, 2015, 26, 494001.	1.3	52

#	Article	IF	Citations
677	A controllable synthetic route for preparing graphene-Cu and graphene-Cu2O nanocomposites using graphene oxide-Cuo as a precursor. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 947-950.	0.4	1
678	Electrospun porous CuCo₂O₄ nanowire network electrode for asymmetric supercapacitors. RSC Advances, 2015, 5, 96448-96454.	1.7	77
679	Vanadyl phosphate/reduced graphene oxide nanosheet hybrid material and its capacitance. Electrochimica Acta, 2015, 178, 312-320.	2.6	33
680	Morphology controllable synthesis and electrochemical properties of MnOx nanoparticles on carbon fibre surface. Materials Research Innovations, 2015, 19, 150-154.	1.0	1
681	Robust Electrodes Based on Coaxial TiC/C-MnO₂Core/Shell Nanofiber Arrays with Excellent Cycling Stability for High-Performance Supercapacitors. Small, 2015, 11, 1847-1856.	5.2	15
682	Poly(3,4-ethylenedioxythiophene) nanorods grown on graphene oxide sheets as electrochemical sensing platform for rutin. Journal of Electroanalytical Chemistry, 2015, 739, 66-72.	1.9	51
683	Nitrogen-Doped Graphene Aerogels as Efficient Supercapacitor Electrodes and Gas Adsorbents. ACS Applied Materials & Interfaces, 2015, 7, 1431-1438.	4.0	364
684	Sulphur-functionalized graphene towards high performance supercapacitor. Nano Energy, 2015, 12, 250-257.	8.2	104
685	Excellent electrochemical performance of homogeneous polypyrrole/graphene composites as electrode material for supercapacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 485-492.	1.1	13
686	Fabrication of manganese oxide/three-dimensional reduced graphene oxide composites as the supercapacitors by a reverse microemulsion method. Carbon, 2015, 85, 249-260.	5.4	74
687	Ultrathin supercapacitor electrodes with high volumetric capacitance and stability using direct covalent-bonding between pseudocapacitive nanoparticles and conducting materials. Nano Energy, 2015, 12, 612-625.	8.2	48
688	One pot low-temperature growth of hierarchical Î´-MnO2 nanosheets on nickel foam for supercapacitor applications. Electrochimica Acta, 2015, 161, 297-304.	2.6	84
689	Facile synthesis of nanographene sheet hybrid Î±-MnO2 nanotube and nanoparticle as high performance electrode materials for supercapacitor. Journal of Alloys and Compounds, 2015, 634, 12-18.	2.8	31
690	High performance solid state supercapacitor based on a 2-mercaptopyridine redox-mediated gel polymer. RSC Advances, 2015, 5, 22419-22425.	1.7	37
691	One-step and rapid synthesis of nitrogen and sulfur co-doped graphene for hydrogen peroxide and glucose sensing. Journal of Electroanalytical Chemistry, 2015, 742, 8-14.	1.9	53
692	A Biodegradable Gel Electrolyte for Use in High-Performance Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 3503-3511.	4.0	158
693	Composite Nanoarchitectonics for Ternary Systems of Reduced Graphene Oxide/Carbon Nanotubes/Nickel Oxide with Enhanced Electrochemical Capacitor Performance. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 267-274.	1.9	67
694	Thermal Conductivity of Magnetically Aligned Grapheneâ€“Polymer Composites with Fe3O4-Decorated Graphene Nanosheets. Journal of Electronic Materials, 2015, 44, 658-666.	1.0	41

#	Article	IF	Citations
695	Synthesis and physicochemical properties of graphene/ZrO₂ composite aerogels. RSC Advances, 2015, 5, 11738-11744.	1.7	17
696	Graphene/Polymer Nanocomposites: Role in Electronics. , 2015, , 1-24.		15
697	Ultrathin MoO 3 nanocrystalsself-assembled on graphene nanosheets via oxygen bonding as supercapacitor electrodes of high capacitance and long cycle life. Nano Energy, 2015, 12, 510-520.	8.2	192
698	Graphene/polypyrrole-coated carbon nanofiber coreâ€“shell architecture electrode for electrochemical capacitors. RSC Advances, 2015, 5, 12692-12699.	1.7	46
699	Hybrid energy storage: the merging of battery and supercapacitor chemistries. Chemical Society Reviews, 2015, 44, 1777-1790.	18.7	1,768
700	Structural evolution in CVD graphene chemically oxidized by sulphuric acid. Journal of Raman Spectroscopy, 2015, 46, 283-286.	1.2	7
701	Evaluation of Electrochemically Reduced Gold Nanoparticleâ€”Graphene Nanocomposites for the Determination of Dopamine. Analytical Letters, 2015, 48, 1437-1453.	1.0	10
702	A multi-level structure bio-carbon composite with polyaniline for high performance supercapacitors. RSC Advances, 2015, 5, 12230-12236.	1.7	10
703	Pair Distribution Function and Density Functional Theory Analyses of Hydrogen Trapping by Î³-MnO₂. Inorganic Chemistry, 2015, 54, 1194-1196.	1.9	14
704	Sulfur-doped porous carbon nanosheets as an advanced electrode material for supercapacitors. RSC Advances, 2015, 5, 13046-13051.	1.7	95
705	Direct and environmentally benign synthesis of manganese oxide/graphene composites from graphite for electrochemical capacitors. Journal of Power Sources, 2015, 281, 44-48.	4.0	32
708	A simple and high-performance supercapacitor based on nitrogen-doped porous carbon in redox-mediated sodium molybdate electrolyte. Electrochimica Acta, 2015, 158, 361-367.	2.6	61
709	Boron-doped graphene as high-performance electrocatalyst for the simultaneously electrochemical determination of hydroquinone and catechol. Electrochimica Acta, 2015, 156, 228-234.	2.6	96
710	Graphene-like carbide derived carbon for high-power supercapacitors. Nano Energy, 2015, 12, 197-206.	8.2	114
711	Rapid synthesis of graphene/amorphous Î±-MnO2 composite with enhanced electrochemical performance for electrochemical capacitor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 194, 41-47.	1.7	37
712	A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. Journal of Power Sources, 2015, 273, 945-953.	4.0	53
713	Facile synthesis of shape-controlled grapheneâ€“polyaniline composites for high performance supercapacitor electrode materials. New Journal of Chemistry, 2015, 39, 2261-2268.	1.4	107
714	High-Performance Microsupercapacitors Based on Two-Dimensional Graphene/Manganese Dioxide/Silver Nanowire Ternary Hybrid Film. ACS Nano, 2015, 9, 1528-1542.	7.3	222

#	Article	IF	Citations
715	Asymmetric Supercapacitors based on Hybrid CuO@Reduced Graphene Oxide@Sponge versus Reduced Graphene Oxide@Sponge Electrodes. Energy Technology, 2015, 3, 168-176.	1.8	57
716	Three-dimensional MnO₂ ultrathin nanosheet aerogels for high-performance Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2015, 3, 2559-2563.	5.2	85
717	Self-Assembly of Semiconductor Nanoparticles/Reduced Graphene Oxide (RGO) Composite Aerogels for Enhanced Photocatalytic Performance and Facile Recycling in Aqueous Photocatalysis. ACS Sustainable Chemistry and Engineering, 2015, 3, 277-282.	3.2	117
718	Free-standing porous Manganese dioxide/graphene composite films for high performance supercapacitors. Journal of Colloid and Interface Science, 2015, 437, 304-310.	5.0	41
719	Structural, magnetic, and dielectric properties of graphene oxide/ZnxFe1â^'xFe2O4 composites. Journal of Applied Physics, 2015, 117, .	1.1	21
720	Microwave-Assisted Decoration of Carbon Substrates for Manganese Dioxide-Based Supercapacitors. Journal of the Electrochemical Society, 2015, 162, A5133-A5139.	1.3	10
721	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. Nanoscale, 2015, 7, 6999-7021.	2.8	124
722	Physical and electrochemical characterization of reduced graphene oxide/silver nanocomposites synthesized by adopting a green approach. RSC Advances, 2015, 5, 25357-25364.	1.7	63
723	A general strategy for the synthesis of reduced graphene oxide-based composites. Ceramics International, 2015, 41, 7661-7668.	2.3	3
724	Facile construction of graphene-like Ni3S2 nanosheets through the hydrothermally assisted sulfurization of nickel foam and their application as self-supported electrodes for supercapacitors. RSC Advances, 2015, 5, 25446-25449.	1.7	36
725	Engineering of high performance supercapacitor electrode based on Fe-Ni/Fe2O3-NiO core/shell hybrid nanostructures. Journal of Applied Physics, 2015, 117, .	1.1	34
726	Recent advances on multi-component hybrid nanostructures for electrochemical capacitors. Journal of Power Sources, 2015, 294, 31-50.	4.0	107
727	In situ preparation of Nâ€“ZnO/graphene nanocomposites: excellent candidate as a photocatalyst for enhanced solar hydrogen generation and high performance supercapacitor electrode. Journal of Materials Chemistry A, 2015, 3, 17050-17063.	5.2	96
728	Electrochemical Supercapacitors from Diamond. Journal of Physical Chemistry C, 2015, 119, 18918-18926.	1.5	68
729	Facile hydrothermal synthesis of tubular kapok fiber/MnO₂composites and application in supercapacitors. RSC Advances, 2015, 5, 64065-64075.	1.7	26
730	Supercapacitive evaluation of carbon black/exfoliated graphite/MnO2 ternary nanocomposite electrode by continuous cyclic voltammetry. Materials Chemistry and Physics, 2015, 163, 38-44.	2.0	27
731	Potential active materials for photo-supercapacitor: A review. Journal of Power Sources, 2015, 296, 169-185.	4.0	97
732	Graphene oxide: A promising nanomaterial for energy and environmental applications. Nano Energy, 2015, 16, 488-515.	8.2	518

#	Article	IF	Citations
733	Efficient conversion of waste polyvinyl chloride into nanoporous carbon incorporated with MnOx exhibiting superior electrochemical performance for supercapacitor application. Electrochimica Acta, 2015, 176, 197-206.	2.6	22
734	High-performance supercapacitors based on MnO₂ tube-in-tube arrays. Journal of Materials Chemistry A, 2015, 3, 16560-16566.	5.2	67
735	Microwave-Assisted Oxidation of Electrospun Turbostratic Carbon Nanofibers for Tailoring Energy Storage Capabilities. Chemistry of Materials, 2015, 27, 4574-4585.	3.2	15
736	Long Cycling Life Supercapacitors Electrode Materials: Ultrathin Manganese Dioxide Nanoscrolls Adhered to Graphene by Electrostatic Self-Assembly. Electrochimica Acta, 2015, 174, 1234-1243.	2.6	18
737	Advances in graphene-based semiconductor photocatalysts for solar energy conversion: fundamentals and materials engineering. Nanoscale, 2015, 7, 13278-13292.	2.8	120
738	Application of GO in Energy Conversion and Storage. SpringerBriefs in Physics, 2015, , 79-118.	0.2	0
739	Magnetic-graphene based molecularly imprinted polymer nanocomposite for the recognition of bovine hemoglobin. Talanta, 2015, 144, 411-419.	2.9	49
740	Hierarchical porous CNTs@NCS@MnO₂ composites: rational design and high asymmetric supercapacitor performance. Journal of Materials Chemistry A, 2015, 3, 15642-15649.	5.2	39
741	Effect of manganese dioxide on supercapacitive behaviors of petroleum pitch-based carbons. Journal of Industrial and Engineering Chemistry, 2015, 29, 408-413.	2.9	11
742	Î±-Fe₂O₃@PANI Coreâ€“Shell Nanowire Arrays as Negative Electrodes for Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 14843-14850.	4.0	369
743	A 2D graphene-manganese oxide nanosheet hybrid synthesized by a single step liquid-phase co-exfoliation method for supercapacitor applications. Electrochimica Acta, 2015, 174, 696-705.	2.6	47
744	Rescaling of metal oxide nanocrystals for energy storage having high capacitance and energy density with robust cycle life. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7914-7919.	3.3	38
745	In situ fabrication of graphene decorated microstructured globe artichokes of partial molar nickel cobaltite anchored on a Ni foam as a high-performance supercapacitor electrode. RSC Advances, 2015, 5, 38407-38416.	1.7	55
746	Effect of thermal reduction temperature on the electrochemical performance of reduced graphene oxide/MnO2 composites. New Carbon Materials, 2015, 30, 48-53.	2.9	9
747	Face-to-face self-assembly graphene/MnO2 nanocomposites for supercapacitor applications using electrochemically exfoliated graphene. Electrochimica Acta, 2015, 167, 412-420.	2.6	59
748	Facile solvothermal synthesis of porous ZnFe₂O₄ microspheres for capacitive pseudocapacitors. RSC Advances, 2015, 5, 39270-39277.	1.7	88
749	TiO2/RGO composite aerogels with controllable and continuously tunable surface wettability for varied aqueous photocatalysis. Applied Catalysis B: Environmental, 2015, 174-175, 421-426.	10.8	107
750	Fabrication of the magnetic manganese dioxide/graphene nanocomposite and its application in dye removal from the aqueous solution at room temperature. Materials Research Bulletin, 2015, 70, 82-86.	2.7	17

#	Article	IF	Citations
751	Solid-state grinding/low-temperature calcining synthesis of carbon coated MnO₂ nanorods and their electrochemical capacitive property. New Journal of Chemistry, 2015, 39, 4731-4736.	1.4	12
752	Sorption of radionuclides from aqueous systems onto graphene oxide-based materials: a review. Inorganic Chemistry Frontiers, 2015, 2, 593-612.	3.0	154
753	Approaching the theoretical capacitance of graphene through copper foam integrated three-dimensional graphene networks. Journal of Materials Chemistry A, 2015, 3, 6324-6329.	5.2	68
754	Synthesis of nanostructured MnO2, SnO2, and Co3O4: graphene composites with enhanced microwave absorption properties. Applied Physics A: Materials Science and Processing, 2015, 119, 1483-1490.	1.1	30
755	Graphene Nanoarchitectonics: Approaching the Excellent Properties of Graphene from Microscale to Macroscale. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 179-188.	1.9	33
756	Graphene-based materials for flexible supercapacitors. Chemical Society Reviews, 2015, 44, 3639-3665.	18.7	1,015
757	Synthesis and Capacitive Properties of Manganese Oxide Nanoparticles Dispersed on Hierarchical Porous Carbons. Electrochimica Acta, 2015, 166, 107-116.	2.6	34
758	SnO₂ nanowire anchored graphene nanosheet matrix for the superior performance of Li-ion thin film battery anode. Journal of Materials Chemistry A, 2015, 3, 274-280.	5.2	55
759	Asynchronous Crystal Cell Expansion during Lithiation of K⁺-Stabilized Î±-MnO₂. Nano Letters, 2015, 15, 2998-3007.	4.5	161
760	Graphene nanosheets decorated with tunable magnetic nanoparticles and their efficiency of wastewater treatment. Materials Research Bulletin, 2015, 68, 234-239.	2.7	23
761	Recent Advancement of Nanostructured Carbon for Energy Applications. Chemical Reviews, 2015, 115, 5159-5223.	23.0	703
762	Controllable synthesis of 3D binary nickelâ€“cobalt hydroxide/graphene/nickel foam as a binder-free electrode for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 12530-12538.	5.2	121
763	Anchoring High-dispersed MnO 2 Nanowires on Nitrogen Doped Graphene as Electrode Materials for Supercapacitors. Electrochimica Acta, 2015, 173, 338-344.	2.6	38
764	Flexible Boron-Doped Laser-Induced Graphene Microsupercapacitors. ACS Nano, 2015, 9, 5868-5875.	7.3	542
765	Synthesis of shape-controlled NiOâ€“graphene nanocomposites with enhanced supercapacitive properties. New Journal of Chemistry, 2015, 39, 4026-4034.	1.4	46
766	Fabrication of SnO2-Reduced Graphite Oxide Monolayer-Ordered Porous Film Gas Sensor with Tunable Sensitivity through Ultra-Violet Light Irradiation. Scientific Reports, 2015, 5, 8939.	1.6	31
767	Advanced solid-state asymmetric supercapacitors based on 3D graphene/MnO₂ and graphene/polypyrrole hybrid architectures. Journal of Materials Chemistry A, 2015, 3, 12828-12835.	5.2	160
768	Introduction of Î±-MnO₂nanosheets to NH₂graphene to remove Cr⁶⁺from aqueous solutions. RSC Advances, 2015, 5, 44096-44106.	1.7	23

#	Article	IF	Citations
769	MnO_x/Graphene for the Catalytic Oxidation and Adsorption of Elemental Mercury. Environmental Science & Technology, 2015, 49, 6823-6830.	4.6	177
770	Electrochemical composite deposition of porous cactus-like manganese oxide/reduced graphene oxideâ€“carbon nanotube hybrids for high-power asymmetric supercapacitors. Journal of Materials Chemistry C, 2015, 3, 4987-4996.	2.7	21
771	Advances in the Organometallic Chemistry of Carbon Nanomaterials. Organometallics, 2015, 34, 2086-2097.	1.1	20
772	Layer-by-layer assembly of manganeseâ€“cobaltâ€“nickel oxide nanosheets/graphene composite films. Materials Research Bulletin, 2015, 68, 194-202.	2.7	20
773	Graphene-based hybrids for chemiresistive gas sensors. TrAC - Trends in Analytical Chemistry, 2015, 68, 37-47.	5.8	276
774	Bioâ€Interface of Conducting Polymerâ€Based Materials for Neuroregeneration. Advanced Materials Interfaces, 2015, 2, 1500059.	1.9	33
775	MnO₂ Nanosheets Grown on Nitrogenâ€Doped Hollow Carbon Shells as a Highâ€Performance Electrode for Asymmetric Supercapacitors. Chemistry - A European Journal, 2015, 21, 7119-7126.	1.7	56
776	Porous MnO/Mn3O4 nanocomposites for electrochemical energy storage. Nano Energy, 2015, 13, 702-708.	8.2	62
777	Efficient catalytic ozonation of bisphenol-A over reduced graphene oxide modified sea urchin-like Î±-MnO2 architectures. Journal of Hazardous Materials, 2015, 294, 201-208.	6.5	102
778	Synthesis of conjugated covalent organic frameworks/graphene composite for supercapacitor electrodes. RSC Advances, 2015, 5, 27290-27294.	1.7	81
779	Enhanced Photocurrent Response of Graphene Nanosheets-SnO2 Nanocomposites via a Facile Hydrolysis Method. Electrochimica Acta, 2015, 182, 1107-1111.	2.6	4
780	A three-dimensional MnO₂/graphene hybrid as a binder-free supercapacitor electrode. RSC Advances, 2015, 5, 85613-85619.	1.7	41
781	Synthesis of honeycomb MnO2 nanospheres/carbon nanoparticles/graphene composites as electrode materials for supercapacitors. Applied Surface Science, 2015, 357, 1024-1030.	3.1	57
782	Fabrication of manganese dioxide nanoplates anchoring on biomass-derived cross-linked carbon nanosheets for high-performance asymmetric supercapacitors. Journal of Power Sources, 2015, 300, 309-317.	4.0	129
783	Capacitance enhancement by electrochemically active benzene derivatives for graphene-based supercapacitors. RSC Advances, 2015, 5, 84113-84118.	1.7	8
784	Template Synthesis of Shape-Tailorable NiS₂ Hollow Prisms as High-Performance Supercapacitor Materials. ACS Applied Materials & Interfaces, 2015, 7, 25396-25401.	4.0	116
785	Curly graphene nanosheets modified by nanoneedle-like manganese oxide for electrochemical capacitors. RSC Advances, 2015, 5, 88950-88957.	1.7	5
786	Strongly coupled manganese ferrite/carbon black/polyaniline hybrid for low-cost supercapacitors with high rate capability. Electrochimica Acta, 2015, 185, 218-228.	2.6	109

#	Article	IF	Citations
787	Graphite powder film-supported Cu₂S counter electrodes for quantum dot-sensitized solar cells. Journal of Materials Chemistry C, 2015, 3, 12140-12148.	2.7	30
788	Hierarchical MnO2 nanosheet arrays on carbon fiber for high-performance pseudocapacitors. Journal of Electroanalytical Chemistry, 2015, 759, 95-100.	1.9	12
789	Characterization of modified SiC@SiO₂ nanocables/MnO₂ and their potential application as hybrid electrodes for supercapacitors. Dalton Transactions, 2015, 44, 19974-19982.	1.6	22
790	Flexible and solid-state asymmetric supercapacitor based on ternary graphene/MnO2/carbon black hybrid film with high power performance. Electrochimica Acta, 2015, 182, 861-870.	2.6	77
791	Hierarchical core/shell structure of MnO2@polyaniline composites grown on carbon fiber paper for application in pseudocapacitors. Physical Chemistry Chemical Physics, 2015, 17, 29874-29879.	1.3	30
792	One-pot synthesis and electrochemical properties of graphene/SnO2/poly (p-phenylenediamine) ternary nanocomposites. Journal of Alloys and Compounds, 2015, 652, 9-17.	2.8	16
793	Flexible Nitrogen Doped SiC Nanoarray for Ultrafast Capacitive Energy Storage. ACS Nano, 2015, 9, 8054-8063.	7.3	75
794	Formation of Highly Conductive Boron-Doped Diamond on TiO₂Nanotubes Composite for Supercapacitor or Energy Storage Devices. Journal of the Electrochemical Society, 2015, 162, A2085-A2092.	1.3	22
795	A facile route to the synthesis of reduced graphene oxide-wrapped octahedral Cu₂O with enhanced photocatalytic and photovoltaic performance. Journal of Materials Chemistry A, 2015, 3, 19148-19154.	5.2	29
796	Grass-like CuCo₂O₄ nanowire arrays supported on nickel foam with high capacitances and desirable cycling performance. RSC Advances, 2015, 5, 70494-70497.	1.7	36
797	Aligned carbon nanostructures based 3D electrodes for energy storage. Journal of Energy Chemistry, 2015, 24, 559-586.	7.1	19
798	A label-free electrochemical immunosensor for carcinoembryonic antigen detection on a graphene platform doped with poly(3,4-ethylenedioxythiophene)/Au nanoparticles. RSC Advances, 2015, 5, 86910-86918.	1.7	32
799	In situ synthesis of cabbage like polyaniline@hydroquinone nanocomposites and electrochemical capacitance investigations. Journal of Applied Polymer Science, 2015, 132, .	1.3	9
800	Ultra-thin V₂O₅ nanosheet based humidity sensor, photodetector and its enhanced field emission properties. RSC Advances, 2015, 5, 88796-88804.	1.7	112
801	In situ anchoring uniform MnO₂ nanosheets on three-dimensional macroporous graphene thin-films for supercapacitor electrodes. RSC Advances, 2015, 5, 90307-90312.	1.7	22
802	A sandwich-structured porous MnO2/polyaniline/MnO2 thin film for supercapacitor applications. Chemical Physics Letters, 2015, 638, 38-42.	1.2	27
803	Co3O4 Nanorods with Self-assembled Nanoparticles in Queue for Supercapacitor. Electrochimica Acta, 2015, 180, 104-111.	2.6	84
804	Preparation and electrochemical analysis of electrodeposited MnO2/C composite for advanced capacitor electrode. Journal of Power Sources, 2015, 298, 123-129.	4.0	25

#	Article	IF	Citations
805	A three dimensional Pt nanodendrite/graphene/MnO₂nanoflower modified electrode for the sensitive and selective detection of dopamine. Journal of Materials Chemistry B, 2015, 3, 7440-7448.	2.9	84
806	Fabrication of Uniform Nanocomposite by â€œAnchoringâ€•Polyaniline Nanofibers on the Surface of Graphene Oxide for Supercapacitors. Integrated Ferroelectrics, 2015, 161, 76-84.	0.3	3
807	Nanostructured cobalt hydroxide thin films as high performance pseudocapacitor electrodes by graphene oxide wrapping. Dalton Transactions, 2015, 44, 16119-16126.	1.6	23
808	One-pot self-assembly of Cu2O/RGO composite aerogel for aqueous photocatalysis. Applied Surface Science, 2015, 358, 146-151.	3.1	94
809	Seed-assisted synthesis of hierarchical manganese dioxide/carbonaceous sphere composites with enhanced supercapacitor performance. Electrochimica Acta, 2015, 180, 1033-1040.	2.6	18
810	Ultrathin MnO₂ nanoflakes grown on N-doped carbon nanoboxes for high-energy asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21337-21342.	5.2	66
811	Electrostatic self-assembly of CdS nanowires-nitrogen doped graphene nanocomposites for enhanced visible light photocatalysis. Journal of Energy Chemistry, 2015, 24, 145-156.	7.1	35
812	Facile fabrication of three-dimensional graphene microspheres using Î²-cyclodextrin aggregates as substrates and their application for midecamycin sensing. RSC Advances, 2015, 5, 77469-77477.	1.7	9
813	Three-dimensional carbon composites as electrode materials for symmetric Li-ion capacitors in organic electrolyte. Materials Chemistry and Physics, 2015, 164, 230-237.	2.0	7
814	Effect of temperature on pseudocapacitance performance of carbon fiber@NiCo 2 O 4 @Ni(OH) 2 coreâ€“shell nanowire array composite electrodes. Applied Surface Science, 2015, 356, 167-172.	3.1	29
815	3D graphene based materials for energy storage. Current Opinion in Colloid and Interface Science, 2015, 20, 429-438.	3.4	77
816	MnO2/ZnO porous film: Electrochemical synthesis and enhanced supercapacitor performances. Thin Solid Films, 2015, 597, 44-49.	0.8	22
817	Zinc oxide nanoring embedded lacey graphene nanoribbons in symmetric/asymmetric electrochemical capacitive energy storage. Nanoscale, 2015, 7, 20642-20651.	2.8	76
818	High rate capability supercapacitors assembled from wet-spun graphene films with a CaCO₃ template. Journal of Materials Chemistry A, 2015, 3, 1890-1895.	5.2	30
819	A facile fabrication of MnO2/graphene hybrid microspheres with a porous secondary structure for high performance supercapacitors. Journal of Solid State Electrochemistry, 2015, 19, 949-956.	1.2	32
820	MnO₂/Graphene Nanocomposites for Nonenzymatic Electrochemical Detection of Hydrogen Peroxide. Electroanalysis, 2015, 27, 353-359.	1.5	58
821	Versatile fabrication of the magnetic polymer-based graphene foam and applications for oilâ€“water separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 10-16.	2.3	117
822	Graphene/MnO 2 hybrid film with high capacitive performance. Electrochimica Acta, 2015, 154, 300-307.	2.6	47

#	Article	IF	Citations
823	Flexible of multiwalled carbon nanotubes/manganese dioxide nanoflake textiles for high-performance electrochemical capacitors. Electrochimica Acta, 2015, 153, 246-253.	2.6	58
824	Graphene supported heterogeneous catalysts: An overview. International Journal of Hydrogen Energy, 2015, 40, 948-979.	3.8	412
825	MnO 2 nanoparticles decorated on electrophoretically deposited graphene nanosheets for high performance supercapacitor. International Journal of Hydrogen Energy, 2015, 40, 1037-1046.	3.8	67
826	Nanoflaky MnO₂/functionalized carbon nanotubes for supercapacitors: an in situ X-ray absorption spectroscopic investigation. Nanoscale, 2015, 7, 1725-1735.	2.8	57
827	Simultaneous polymerization and crosslinking for the synthesis of molecular-level graphene oxideâ€“polyacryl amideâ€“CeOx composites. Chemical Engineering Journal, 2015, 263, 27-37.	6.6	12
828	Self-assembled three-dimensional hierarchical graphene hybrid hydrogels with ultrathin Î²-MnO₂ nanobelts for high performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 1540-1548.	5.2	97
829	RGO/ZnO Nanocomposite: An Efficient, Sustainable, Heterogeneous, Amphiphilic Catalyst for Synthesis of 3-Substituted Indoles in Water. ACS Sustainable Chemistry and Engineering, 2015, 3, 9-18.	3.2	84
830	Vertically aligned epitaxial graphene nanowalls with dominated nitrogen doping for superior supercapacitors. Carbon, 2015, 82, 124-134.	5.4	67
831	Controlled growth of nanostructured MnO2 on carbon nanotubes for high-performance electrochemical capacitors. Electrochimica Acta, 2015, 152, 480-488.	2.6	77
832	Novel MnOOHâ€“graphene nanocomposites: Preparation, characterization and electrochemical properties for supercapacitors. Journal of Solid State Chemistry, 2015, 221, 178-183.	1.4	12
833	Sonochemical-assisted synthesis of 3D graphene/nanoparticle foams and their application in supercapacitor. Ultrasonics Sonochemistry, 2015, 22, 422-428.	3.8	35
834	Graphene Oxide: Physics and Applications. SpringerBriefs in Physics, 2015, , .	0.2	70
835	Zinc oxide/activated carbon nanofiber composites for high-performance supercapacitor electrodes. Journal of Power Sources, 2015, 274, 512-520.	4.0	220
836	Tailoring uniform Î³-MnO2 nanosheets on highly conductive three-dimensional current collectors for high-performance supercapacitor electrodes. Nano Research, 2015, 8, 990-1004.	5.8	39
837	Easy one-step hydrothermal synthesis of nitrogen-doped reduced graphene oxide/iron oxide hybrid as efficient supercapacitor material. Journal of Solid State Electrochemistry, 2015, 19, 135-144.	1.2	57
838	High strength measurement of monolayer graphene oxide. Carbon, 2015, 81, 497-504.	5.4	138
839	Highâ€Performance Asymmetric Supercapacitors Based on Multilayer MnO₂/Graphene Oxide Nanoflakes and Hierarchical Porous Carbon with Enhanced Cycling Stability. Small, 2015, 11, 1310-1319.	5.2	326
840	Facile synthesis of ZnFe2O4/reduced graphene oxide nanohybrids for enhanced microwave absorption properties. Materials Research Bulletin, 2015, 61, 292-297.	2.7	113

#	Article	IF	Citations
841	Self-Assembly of Mesoporous Nanotubes Assembled from Interwoven Ultrathin Birnessite-type MnO2 Nanosheets for Asymmetric Supercapacitors. Scientific Reports, 2014, 4, 3878.	1.6	285
842	One-pot synthesis of ternary hybrid nanomaterial composed of a porphyrin-functionalized graphene, tin oxide, and gold nanoparticles, and its application to the simultaneous determination of epinephrine and uric acid. Mikrochimica Acta, 2015, 182, 341-349.	2.5	29
843	In situ fabrication of Mn 3 O 4 decorated graphene oxide as a synergistic catalyst for degradation of methylene blue. Applied Catalysis B: Environmental, 2015, 162, 268-274.	10.8	159
844	One-pot synthesis of GO/AgNPs/luminol composites with electrochemiluminescence activity for sensitive detection of DNA methyltransferase activity. Biosensors and Bioelectronics, 2015, 63, 458-464.	5.3	78
845	Fabrication of flexible polypyrrole/graphene oxide/manganese oxide supercapacitor. International Journal of Energy Research, 2015, 39, 344-355.	2.2	106
846	High loading MnO 2 nanowires on graphene paper: Facile electrochemical synthesis and use as flexible electrode for tracking hydrogen peroxide secretion in live cells. Analytica Chimica Acta, 2015, 853, 200-206.	2.6	146
847	MnO2@KCu7S4 NWs hybrid compositions for high-power all-solid-state supercapacitor. Journal of Power Sources, 2015, 274, 477-482.	4.0	38
848	High conductivity graphene-like MoS2/polyaniline nanocomposites and its application in supercapacitor. Journal of Alloys and Compounds, 2015, 619, 38-43.	2.8	207
849	Enhanced photocatalytic activity and stability of Z-scheme Ag2CrO4-GO composite photocatalysts for organic pollutant degradation. Applied Catalysis B: Environmental, 2015, 164, 380-388.	10.8	483
850	Design and synthesis of hierarchically porous MnO2/carbon hybrids for high performance electrochemical capacitors. Journal of Colloid and Interface Science, 2015, 438, 61-67.	5.0	27
851	Engineering Nanostructured MnO2 for High Performance Supercapacitors. , 0, , .		5
852	Synthesis and Electrochemical Measurement of Three Dimensional Carbon Nanofibers/CoO-Polyaniline Composites as Supercapacitor electrode materials in Neutral Electrolyte. International Journal of Electrochemical Science, 2016, 11, 6279-6286.	0.5	17
853	Vanadium Pentoxide Nanobelt-Reduced Graphene Oxide Nanosheet Composites as High-Performance Pseudocapacitive Electrodes: ac Impedance Spectroscopy Data Modeling and Theoretical Calculations. Materials, 2016, 9, 615.	1.3	22
854	High Performance of Alkaline Anion-Exchange Membranes Based on Chitosan/Poly (vinyl) Alcohol Doped with Graphene Oxide for the Electrooxidation of Primary Alcohols. Journal of Carbon Research, 2016, 2, 10.	1.4	15
855	Electrospinning of Nanofibers for Energy Applications. Nanomaterials, 2016, 6, 129.	1.9	101
856	Graphene and its nanostructure derivatives for use in bone tissue engineering: Recent advances. Journal of Biomedical Materials Research - Part A, 2016, 104, 1250-1275.	2.1	117
857	A highly atom-efficient strategy to synthesize reduced graphene oxide-Mn3O4 nanoparticles composites for supercapacitors. Journal of Alloys and Compounds, 2016, 685, 949-956.	2.8	42
858	Synthesis and control of high-performance MnO2/carbon nanotubes nanocomposites for supercapacitors. Journal of Alloys and Compounds, 2016, 688, 184-197.	2.8	80

#	Article	IF	Citations
859	Gold Nanoparticleâ€“Polydopamineâ€“Reduced Graphene Oxide Ternary Nanocomposite as an Efficient Catalyst for Selective Oxidation of Benzylic C(sp³)â^'H Bonds Under Mild Conditions. ChemCatChem, 2016, 8, 1825-1835.	1.8	46
860	3D Freeâ€Standing NiCo₂O₄@graphene Foam for Highâ€Performance Supercapacitors. Energy Technology, 2016, 4, 737-743.	1.8	18
861	Sulfidation of NiMnâ€Layered Double Hydroxides/Graphene Oxide Composites toward Supercapacitor Electrodes with Enhanced Performance. Advanced Energy Materials, 2016, 6, 1501745.	10.2	254
862	Analysis of surface potential and magnetic properties of Fe3O4/graphene oxide nanocomposites. AIP Conference Proceedings, 2016, , .	0.3	4
863	Synthesis, Characterization and Electrochemical Study of Hydroxy-Functionalized Graphene/MnO2 Nanocomposite. Materials Today: Proceedings, 2016, 3, 3872-3877.	0.9	2
864	Dual Electrocatalytic Behavior of Oxovanadium(IV) Salen Immobilized Carbon Materials Towards Cysteine Oxidation and Cystine Reduction: Graphene Versus Single Walled Carbon Nanotubes. ChemistrySelect, 2016, 1, 6726-6734.	0.7	10
865	Heteronanostructured Co@carbon nanotubes-graphene ternary hybrids: synthesis, electromagnetic and excellent microwave absorption properties. Scientific Reports, 2016, 6, 37972.	1.6	62
866	Zn₂SnO₄ coated reduced graphene oxide nanoribbons with enhanced electrochemical performance for lithium-ion batteries. Journal of Materials Research, 2016, 31, 3666-3674.	1.2	7
867	An innovative concept of use of redox-active electrolyte in asymmetric capacitor based on MWCNTs/MnO2 and Fe2O3 thin films. Scientific Reports, 2016, 6, 39205.	1.6	89
868	Preparation and electrochemical performance of a polyaniline-carbon microsphere hybrid as a supercapacitor electrode. New Carbon Materials, 2016, 31, 594-599.	2.9	11
869	Hydrogen storage alloys/reduced graphite oxide: an efficient hybrid electrode with enhanced high-rate dischargeability. Electrochimica Acta, 2016, 200, 59-65.	2.6	36
870	Core-shell N-doped active carbon fiber@graphene composites for aqueous symmetric supercapacitors with high-energy and high-power density. Journal of Power Sources, 2016, 317, 133-142.	4.0	79
871	A novel reduction synthesis of the graphene/Mn3O4 nanocomposite for supercapacitors. Journal of Solid State Chemistry, 2016, 237, 378-384.	1.4	34
872	Unconventional structural and morphological transitions of nanosheets, nanoflakes and nanorods of AuNP@MnO₂. Journal of Materials Chemistry A, 2016, 4, 6447-6455.	5.2	39
873	Nanotherapy on human acute myeloid leukemia cells using RGO/Ag nanocomposites. RSC Advances, 2016, 6, 52403-52410.	1.7	0
874	Self-assembly synthesis of graphene oxide double-shell hollow-spheres decorated with Mn3O4 for electrochemical supercapacitors. Carbon, 2016, 107, 100-108.	5.4	40
875	Surface engineering of nanomaterials for improved energy storage â€“ A review. Chemical Engineering Science, 2016, 154, 3-19.	1.9	49
876	Enhanced Î² Crystalline Phase in Poly(vinylidene fluoride) via the Incorporation of Graphene Oxide Sheets assisted by Supercritical CO₂Treatment. Journal of Macromolecular Science - Physics, 2016, 55, 503-517.	0.4	8

#	Article	IF	Citations
877	Inflating Strategy To Form Ultrathin Hollow MnO₂ Nanoballoons. ACS Nano, 2016, 10, 5916-5921.	7.3	41
878	Thermal transport in stereo carbon framework using graphite nanospheres and graphene nanosheets. Carbon, 2016, 106, 132-141.	5.4	21
879	Synthesis, Characterization and Electrochemical Study of Graphene Oxide-Multi Walled Carbon Nanotube-Manganese Oxide-Polyaniline Electrode as Supercapacitor. Journal of Materials Science and Technology, 2016, 32, 763-773.	5.6	49
880	Superior Additive of Exfoliated RuO₂ Nanosheet for Optimizing the Electrode Performance of Metal Oxide over Graphene. Journal of Physical Chemistry C, 2016, 120, 11786-11796.	1.5	40
881	Planar integration of flexible micro-supercapacitors with ultrafast charge and discharge based on interdigital nanoporous gold electrodes on a chip. Journal of Materials Chemistry A, 2016, 4, 9502-9510.	5.2	61
882	Synthesis and Electrochemical Properties of Functionalized Graphene Oxide/ZnO Composites. Key Engineering Materials, 0, 680, 233-237.	0.4	1
883	Fabrication of manganese dioxide/carbon/attapulgite composites derived from spent bleaching earth for adsorption of Pb(<scp>ii</scp>) and Brilliant green. RSC Advances, 2016, 6, 36534-36543.	1.7	36
884	Fabrication of Ni-Co binary oxide/reduced graphene oxide composite with high capacitance and cyclicity as efficient electrode for supercapacitors. Ionics, 2016, 22, 535-544.	1.2	35
885	Immobilized Graphene Oxide Nanosheets as Thin but Strong Nanointerfaces in Biocomposites. ACS Sustainable Chemistry and Engineering, 2016, 4, 2211-2222.	3.2	48
886	Interlinked multiphase Fe-doped MnO₂ nanostructures: a novel design for enhanced pseudocapacitive performance. Nanoscale, 2016, 8, 7309-7317.	2.8	58
887	Graphene and its nanocomposites used as an active materials for supercapacitors. Journal of Solid State Electrochemistry, 2016, 20, 1509-1526.	1.2	23
888	Determination of trace amounts of cadmium, copper and nickel in environmental water and food samples using GO/MgO nanocomposite as a new sorbent. Journal of the Iranian Chemical Society, 2016, 13, 831-839.	1.2	17
889	Effect of Mn₃O₄ nanoparticle composition and distribution on graphene as a potential hybrid anode material for lithium-ion batteries. RSC Advances, 2016, 6, 33022-33030.	1.7	19
890	Synthesis of curly graphene nanoribbon/polyaniline/MnO₂ composite and its application in supercapacitor. RSC Advances, 2016, 6, 41142-41150.	1.7	33
891	Supercapacitive characteristics of carbon-based graphene composites. Electrochimica Acta, 2016, 204, 146-153.	2.6	29
892	Fabrication of ultra-high energy and power asymmetric supercapacitors based on hybrid 2D MoS₂/graphene oxide composite electrodes: a binder-free approach. RSC Advances, 2016, 6, 43261-43271.	1.7	41
893	Cadmium oxide nanoparticles grown in situ on reduced graphene oxide for enhanced photocatalytic degradation of methylene blue dye under ultraviolet irradiation. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 111-119.	1.7	89
894	Fast pseudocapacitive reactions of three-dimensional manganese dioxide structures synthesized via self-limited redox deposition on microwave-expanded graphite oxide. RSC Advances, 2016, 6, 8330-8335.	1.7	2

#	Article	IF	Citations
895	Preparation and characterization of graphene-based vanadium oxide composite semiconducting films with horizontally aligned nanowire arrays. Thin Solid Films, 2016, 606, 87-93.	0.8	3
896	Control over the morphology and phase of MnO_x formed in the modified Hummers' method and impact on the electrocapacitive properties of MnO_xâ€“graphite oxide composite electrodes. RSC Advances, 2016, 6, 44717-44722.	1.7	13
897	RuO₂@Co₃O₄ heterogeneous nanofibers: a high-performance electrode material for supercapacitors. RSC Advances, 2016, 6, 49173-49178.	1.7	16
898	Graphene oxide â€“ Polyvinyl alcohol nanocomposite based electrode material for supercapacitors. Journal of Power Sources, 2016, 321, 102-105.	4.0	25
899	Graphene oxide-enveloped Bi₂WO₆ composites as a highly efficient catalyst for the thermal decomposition of cyclotrimethylenetrinitramine. RSC Advances, 2016, 6, 42428-42434.	1.7	18
900	Microwave synthesis: Characterization and electrochemical properties of amorphous activated carbon-MnO2 nanocomposite electrodes. Journal of Alloys and Compounds, 2016, 681, 293-300.	2.8	35
901	Î´-MnO₂/holey graphene hybrid fiber for all-solid-state supercapacitor. Journal of Materials Chemistry A, 2016, 4, 9088-9096.	5.2	101
902	Human Hair: A Suitable Platform for Catalytic Nanoparticles. ACS Sustainable Chemistry and Engineering, 2016, 4, 5409-5414.	3.2	19
903	Porous carbon nanosheets derived from Al-based MOFs for supercapacitors. Microporous and Mesoporous Materials, 2016, 236, 94-99.	2.2	43
904	Hybrid Fe₂O₃ Nanoparticle Clusters/rGO Paper as an Effective Negative Electrode for Flexible Supercapacitors. Chemistry of Materials, 2016, 28, 7296-7303.	3.2	95
905	Recent progress and performance evaluation for polyaniline/graphene nanocomposites as supercapacitor electrodes. Nanotechnology, 2016, 27, 442001.	1.3	112
906	Graphene oxide-MnO₂ nanocomposite for supercapacitor application. Proceedings of SPIE, 2016, , .	0.8	0
907	In-Situ Fabrication of Graphene Oxide Hybrid Ni-Based Metalâ€“Organic Framework (Niâ€“MOFs@GO) with Ultrahigh Capacitance as Electrochemical Pseudocapacitor Materials. ACS Applied Materials & Interfaces, 2016, 8, 28904-28916.	4.0	175
908	Formation of Al2O3-graphite core shells versus growth time by using thermal chemical vapor deposition. Journal of the Korean Physical Society, 2016, 69, 842-846.	0.3	0
909	Ultrafine nickelâ€“cobalt alloy nanoparticles incorporated into three-dimensional porous graphitic carbon as an electrode material for supercapacitors. Journal of Materials Chemistry A, 2016, 4, 17080-17086.	5.2	53
910	Functionalized-Graphene Composites: Fabrication and Applications in Sustainable Energy and Environment. Chemistry of Materials, 2016, 28, 8082-8118.	3.2	179
911	Preparation and performance of novel enhanced electrochemical capacitors based on graphene constructed self-assembled Co₃O₄ microspheres. RSC Advances, 2016, 6, 91904-91909.	1.7	4
912	Facile fabrication of flexible graphene/porous carbon microsphere hybrid films and their application in supercapacitors. RSC Advances, 2016, 6, 89140-89147.	1.7	10

#	Article	IF	Citations
913	High Volumetric Energy Density Asymmetric Supercapacitors Based on Wellâ€Balanced Graphene and Grapheneâ€MnO₂ Electrodes with Densely Stacked Architectures. Small, 2016, 12, 5217-5227.	5.2	112
914	Structural and morphological study of magnetic Fe3O4/ reduced graphene oxide nanocomposites. Materials Today: Proceedings, 2016, 3, 1576-1581.	0.9	18
915	Electro-precipitation via oxygen reduction: a new technique for thin film manganese oxide deposition. Journal of Materials Chemistry A, 2016, 4, 13555-13562.	5.2	2
916	Facile Preparation and Enhanced Capacitance of the Ag-PEDOT:PSS/Polyaniline Nanofiber Network for Supercapacitors. Electrochimica Acta, 2016, 213, 680-690.	2.6	37
917	A hybridized heterojunction structure between TiO2nanorods and exfoliated graphitic carbon-nitride sheets for hydrogen evolution under visible light. CrystEngComm, 2016, 18, 6875-6880.	1.3	13
918	Ultrafine MnO 2 nanoparticles decorated on graphene oxide as a highly efficient and recyclable catalyst for aerobic oxidation of benzyl alcohol. Journal of Colloid and Interface Science, 2016, 483, 26-33.	5.0	83
919	Porous, one-dimensional and high aspect ratio nanofibric network of cobalt manganese oxide as a high performance material for aqueous and solid-state supercapacitor (2ÂV). Journal of Power Sources, 2016, 327, 29-37.	4.0	45
920	Graphene-Based Laser Desorption/Ionization Mass Spectrometry for Bioanalytical Applications. , 2016, , 123-142.		0
921	Construction of hierarchical NiMoO4@MnO2 nanosheet arrays on titanium mesh for supercapacitor electrodes. Ceramics International, 2016, 42, 18058-18063.	2.3	36
922	Flexible Nb2O5 nanowires/graphene film electrode for high-performance hybrid Li-ion supercapacitors. Journal of Power Sources, 2016, 328, 599-606.	4.0	95
923	2D materials for renewable energy storage devices: Outlook and challenges. Chemical Communications, 2016, 52, 13528-13542.	2.2	96
924	Facile Preparation of Poly(3,4â€ethylenedioxythiophene)/MnO₂ Composite Electrodes for Efficient Supercapacitors. ChemElectroChem, 2016, 3, 1746-1752.	1.7	8
925	Rapid preparation of the hybrid of MnO 2 dispersed on graphene nanosheets with enhanced supercapacitive performance. Electrochimica Acta, 2016, 215, 339-345.	2.6	11
926	Enhanced electrochemical performance of monoclinic WO 3 thin film with redox additive aqueous electrolyte. Journal of Colloid and Interface Science, 2016, 483, 261-267.	5.0	48
927	Quinone-Wrapped Nanostructured MnO2: A Synergetic Approach to Enhanced Supercapacitive Behavior and Magnetic Properties. Journal of the Electrochemical Society, 2016, 163, A1743-A1752.	1.3	5
928	Room-temperature catalytic growth of hierarchical urchin-like MnO2 spheres on graphene to achieve silver-doped nanocomposites with improved supercapacitor performance. Electrochimica Acta, 2016, 222, 1393-1401.	2.6	34
929	High-Performance Supercapacitor Based on Three-Dimensional Hierarchical rGO/Nickel Cobaltite Nanostructures as Electrode Materials. Journal of Physical Chemistry C, 2016, 120, 21202-21210.	1.5	42
930	In Situ Growth of Free-Standing All Metal Oxide Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2016, 8, 26019-26029.	4.0	80

#	Article	IF	Citations
931	Highly uniform Co9S8 nanoparticles grown on graphene nanosheets as advanced anode materials for improved Li-storage performance. Applied Surface Science, 2016, 390, 86-91.	3.1	23
932	Practical carbocatalysis by graphene oxide nanosheets in aqueous medium towards the synthesis of diversified dibenzo[1,4]diazepine scaffolds. RSC Advances, 2016, 6, 88904-88910.	1.7	40
933	Decoration of Plasma-Reduced Graphene Oxide with Uniform Gold Nanoparticles and their Redox Reaction Performance. Key Engineering Materials, 0, 701, 47-51.	0.4	0
934	Preparation of Shape-Controlled Graphene/Co3O4 Composites for Supercapacitors. Journal of Materials Engineering and Performance, 2016, 25, 3845-3851.	1.2	12
935	Surfactant assisted synthesis of SrFe10Al2O19: Magnetic and Supercapacitor ferrite. MRS Advances, 2016, 1, 3099-3106.	0.5	6
936	Nanomaterials in Advanced Batteries and Supercapacitors. Nanostructure Science and Technology, 2016, , .	0.1	34
937	Nanostructured Manganese Oxides in Supercapacitors. Nanostructure Science and Technology, 2016, , 345-376.	0.1	3
938	Ni_{0.9}Co_{1.92}Se₄ nanostructures: binder-free electrode of coral-like bimetallic selenide for supercapacitors. RSC Advances, 2016, 6, 75251-75257.	1.7	82
939	Fabrication of sponge-like Î±-Ni(OH)2 on styreneâ€“acrylonitrile copolymer (SAN)-derived carbon spheres as electrode materials for supercapacitor application. RSC Advances, 2016, 6, 100623-100631.	1.7	1
940	Cobalt Sulfide/Graphene Composite Hydrogel as Electrode for High-Performance Pseudocapacitors. Scientific Reports, 2016, 6, 21717.	1.6	105
941	In-situ reduced graphene oxide nanosheetsâ€“polypyrrole nanotubes nanocomposites for supercapacitor applications. Synthetic Metals, 2016, 222, 318-329.	2.1	42
942	A scalable in situ surfactant-free synthesis of a uniform MnO/graphene composite for highly reversible lithium storage. Dalton Transactions, 2016, 45, 19221-19225.	1.6	12
943	Facile synthesis of Î±-MnO2 nanorod/graphene nanocomposite paper electrodes using a 3D precursor for supercapacitors and sensing platform to detect 4-nitrophenol. Electrochimica Acta, 2016, 222, 717-727.	2.6	63
944	Birnessite-type MnO₂ nanosheet arrays with interwoven arrangements on vapor grown carbon fibers as hybrid nanocomposites for pseudocapacitors. Dalton Transactions, 2016, 45, 19322-19328.	1.6	28
945	Influence of carbon substrate on the electrochemical performance of carbon/manganese oxide hybrids in aqueous and organic electrolytes. RSC Advances, 2016, 6, 107163-107179.	1.7	14
946	Microwave heating synthesis and visible upconversion luminescence of NaGdF4:Yb, Er/reduced graphene oxide nanocomposites. Journal of Materials Science: Materials in Electronics, 2016, 27, 11720-11725.	1.1	4
947	Facile hydrothermal reduction synthesis of porous Co3O4 nanosheets@RGO nanocomposite and applied as a supercapacitor electrode with enhanced specific capacitance and excellent cycle stability. Electrochimica Acta, 2016, 222, 976-982.	2.6	40
948	Chapter 6 Graphene: A New Star Nanomaterial in Energy and Environment Applications. , 2016, , 273-306.		0

#	Article	IF	Citations
949	Facile synthesis of Fe₃O₄nanorod decorated reduced graphene oxide (RGO) for supercapacitor application. RSC Advances, 2016, 6, 107057-107064.	1.7	75
950	Atomic Structure and Dynamics of Epitaxial 2D Crystalline Gold on Graphene at Elevated Temperatures. ACS Nano, 2016, 10, 10418-10427.	7.3	29
951	Facile synthesis of hierarchical CoMoO₄@NiMoO₄ coreâ€“shell nanosheet arrays on nickel foam as an advanced electrode for asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 18578-18584.	5.2	171
952	Direct growth of highly dispersed MnCl₂Â· 4H₂O nanostructures with different morphologies on graphene in supercritical CO₂. Materials Research Express, 2016, 3, 065012.	0.8	5
953	Use of Nutrient Rich Hydrophytes to Create N,P-Dually Doped Porous Carbon with Robust Energy Storage Performance. Environmental Science & Technology, 2016, 50, 12421-12428.	4.6	52
954	Thermopower Wave-Driven Hybrid Supercapacitor Charging System. ACS Applied Materials & Interfaces, 2016, 8, 31042-31050.	4.0	7
955	Manganese silicate drapes as a novel electrode material for supercapacitors. RSC Advances, 2016, 6, 105771-105779.	1.7	26
956	Facile Fabrication of Solidâ€state Electrochemiluminescence Sensor via Nonâ€covalent Ï€â€Ï€ Stacking and Covalent Bonding on Graphite Electrode. Electroanalysis, 2016, 28, 936-939.	1.5	8
957	Design of Advanced MnO/Nâ€Gr 3D Walls through Polymer Crossâ€Linking for Highâ€Performance Supercapacitor. Chemistry - A European Journal, 2016, 22, 1652-1657.	1.7	19
958	Facile Self-Cross-Linking Synthesis of 3D Nanoporous Co₃O₄/Carbon Hybrid Electrode Materials for Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 16035-16044.	4.0	64
959	Three-Dimensional Pompon-like MnO2/Graphene Hydrogel Composite for Supercapacitor. Electrochimica Acta, 2016, 210, 804-811.	2.6	62
960	Macroscopic porous MnO₂ aerogels for supercapacitor electrodes. Inorganic Chemistry Frontiers, 2016, 3, 1043-1047.	3.0	29
961	Functionalized graphene aerogel with p-phenylenediamine and its composite with porous MnO2: investigating the effect of functionalizing agent on supercapacitive performance. Journal of Materials Science: Materials in Electronics, 2016, 27, 10163-10172.	1.1	30
962	Synthesis of NiMnO₃/C nano-composite electrode materials for electrochemical capacitors. Nanotechnology, 2016, 27, 315401.	1.3	51
963	Three-dimensional homo-nanostructured MnO₂/nanographene membranes on a macroporous electrically conductive network for high performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 11317-11329.	5.2	24
964	Facile synthesis of porous Ni₂CO₃(OH)₂/functionalized graphene composites with enhanced supercapacitive performance. Journal of Materials Chemistry A, 2016, 4, 11430-11438.	5.2	13
965	Hydroiodic Acid Reduced Graphene Hybrid with Î´-MnO₂for Electrode Material in Supercapacitors. ECS Journal of Solid State Science and Technology, 2016, 5, M51-M57.	0.9	8
966	Printed Graphene-Based Electrochemical Sensors. , 2016, , 163-178.		0

#	Article	IF	Citations
967	Graphene Transistors: Silicon CMOS-Compatible Processing for Applications in Nanoelectronics. , 2016, , 445-462.		0
968	Graphene- and Graphene-Oxide-Based Gas Sensors. , 2016, , 317-328.		0
969	Biomedical Applications of Graphene. , 2016, , 41-56.		1
970	Poly(3,4-ethylenedioxythiophene) nanorods/graphene oxide nanocomposite as a new electrode material for the selective electrochemical detection of mercury (II). Synthetic Metals, 2016, 220, 14-19.	2.1	51
971	Sandwich-like mesoporous graphene@magnetite@carbon nanosheets for high-rate lithium ion batteries. Solid State Sciences, 2016, 57, 16-23.	1.5	6
972	Hydrolysis Precipitation Synthesis of SnO2Â·XH2O as Electrode Materials for Supercapacitors. Rare Metal Materials and Engineering, 2016, 45, 62-65.	0.8	3
973	MnO2/mont K10 composite for high electrochemical capacitive energy storage. International Journal of Hydrogen Energy, 2016, 41, 12183-12193.	3.8	10
974	Electrodeposition of polyaniline on three-dimensional graphene hydrogel as a binder-free supercapacitor electrode with high power and energy densities. RSC Advances, 2016, 6, 58854-58861.	1.7	47
975	Photoluminescence Architectures for Disease Diagnosis: From Graphene to Thin-Layer Transition Metal Dichalcogenides and Oxides. Small, 2016, 12, 144-160.	5.2	78
976	Modular Graphene-Based 3D Covalent Networks: Functional Architectures for Energy Applications. Small, 2016, 12, 1044-1052.	5.2	25
977	Construction of unique cupric oxideâ€“manganese dioxide coreâ€“shell arrays on a copper grid for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 10786-10793.	5.2	125
978	Coreâ€“shell composite of wood-derived biochar supported MnO₂nanosheets for supercapacitor applications. RSC Advances, 2016, 6, 64811-64817.	1.7	65
979	Metal Oxide/Graphene Composites for Supercapacitive Electrode Materials. Chemistry - an Asian Journal, 2016, 11, 949-964.	1.7	66
980	High-performance supercapacitors based on graphene/MnO₂/activated carbon fiber felt composite electrodes in different neutral electrolytes. RSC Advances, 2016, 6, 12525-12529.	1.7	22
981	RGO/KMn8O16 composite as supercapacitor electrode with high specific capacitance. Ceramics International, 2016, 42, 5195-5202.	2.3	19
982	Manganese Compounds as Water-Oxidizing Catalysts: From the Natural Water-Oxidizing Complex to Nanosized Manganese Oxide Structures. Chemical Reviews, 2016, 116, 2886-2936.	23.0	549
983	Emerging trends in graphene carbon based polymer nanocomposites and applications. Reviews in Chemical Engineering, 2016, 32, .	2.3	71
984	Enhanced nonlinear optical properties of graphene oxideâ€“silver nanocomposites measured by Z-scan technique. RSC Advances, 2016, 6, 10319-10325.	1.7	81

#	Article	IF	Citations
985	In situ growth of MnO₂ nanosheets on activated carbon fibers: a low-cost electrode for high performance supercapacitors. RSC Advances, 2016, 6, 14819-14825.	1.7	25
986	Morphology and crystal phase evolution induced performance enhancement of MnO₂ grown on reduced graphene oxide for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 2643-2650.	5.2	54
987	A novel three-dimensional manganese dioxide electrode for high performance supercapacitors. Journal of Power Sources, 2016, 308, 141-148.	4.0	29
988	Potentiodynamical deposition of nanostructured MnO2 film at the assist of electrodeposited SiO2 as template. Electrochimica Acta, 2016, 191, 375-384.	2.6	12
989	A study on the synthesis and characterization of CoMn2O4 electrode material for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 4653-4658.	1.1	49
990	Rice-like MnO2 nanoparticles: simple and novel thermal decomposition synthesis, characterization and photocatalytic activity using new precursor. Journal of Materials Science: Materials in Electronics, 2016, 27, 4631-4635.	1.1	9
991	A symmetric MnO2/MnO2 flexible solid state supercapacitor operating at 1.6V with aqueous gel electrolyte. Journal of Energy Chemistry, 2016, 25, 463-471.	7.1	102
992	Graphene-metal oxides/hydroxide nanocomposite materials: Fabrication advancements and supercapacitive performance. Journal of Alloys and Compounds, 2016, 671, 1-10.	2.8	39
993	Self-assembly of ultrathin MnO2/graphene with three-dimension hierarchical structure by ultrasonic-assisted co-precipitation method. Journal of Alloys and Compounds, 2016, 663, 180-186.	2.8	33
994	Supramolecular Assembly of Biobased Graphene Oxide Quantum Dots Controls the Morphology of and Induces Mineralization on Poly(Îµ-caprolactone) Films. Biomacromolecules, 2016, 17, 256-261.	2.6	28
995	Synthesis of TCPPâ€“Fe3O4@S/RGO and its application for purification of water. Research on Chemical Intermediates, 2016, 42, 5441-5455.	1.3	18
996	Sculpturing the Core towards Mesoporous Manganese Dioxides Nanosheets-Built Nanotubes for Pseudocapacitance. Electrochimica Acta, 2016, 187, 488-495.	2.6	27
997	Fabrication of hierarchical porous cobalt manganese spinel graphene hybrid nanoplates for electrochemical supercapacitors. Electrochimica Acta, 2016, 188, 704-709.	2.6	28
998	Deposition of MnO 2 nanoneedles on carbon nanotubes and graphene nanosheets as electrode materials for electrochemical capacitors. Journal of Alloys and Compounds, 2016, 660, 99-107.	2.8	23
999	A brief review on graphene/inorganic nanostructure composites: materials for the future. Indian Journal of Physics, 2016, 90, 1019-1032.	0.9	27
1000	Optimization of coplanar high rate supercapacitors. Journal of Power Sources, 2016, 315, 1-8.	4.0	22
1001	Capacitor Applications of Nanocomposite Films for Poly(3,4-ethylenedioxythiophene-co-pyrrole)/Multi-Walled Carbon Nanotubes and Poly(3,4-ethylenedioxythiophene-co-pyrrole)/Copper Oxide. Polymer-Plastics Technology and Engineering, 2016, 55, 1489-1502.	1.9	3
1002	Efficient synthesis of sunlight-driven ZnO-based heterogeneous photocatalysts. Materials and Design, 2016, 98, 324-332.	3.3	86

#	Article	IF	Citations
1003	A facile one-step approach to hierarchically assembled coreâ€“shell-like MnO2@MnO2 nanoarchitectures on carbon fibers: An efficient and flexible electrode material to enhance energy storage. Nano Research, 2016, 9, 1507-1522.	5.8	98
1004	Synthesis of 2,3-dihydroquinazolinones and quinazolin-4(3H)-ones catalyzed by graphene oxide nanosheets in an aqueous medium: â€œon-waterâ€•synthesis accompanied by carbocatalysis and selective Câ€“C bond cleavage. RSC Advances, 2016, 6, 22320-22330.	1.7	57
1005	Graphene-based materials for supercapacitor electrodes â€“ A review. Journal of Materiomics, 2016, 2, 37-54.	2.8	620
1006	The preparation and electrochemical properties of PEDOT:PSS/MnO2/PEDOT ternary film and its application in flexible micro-supercapacitor. Electrochimica Acta, 2016, 193, 199-205.	2.6	48
1007	Fabrication and study of optical and electrochemical properties of CdS nanoparticles and the GOâ€“CdS nanocomposite. New Journal of Chemistry, 2016, 40, 3528-3535.	1.4	10
1008	Flexible electrodes and supercapacitors for wearable energy storage: a review by category. Journal of Materials Chemistry A, 2016, 4, 4659-4685.	5.2	493
1009	Facile fabrication of manganese phosphate nanosheets for supercapacitor applications. Ionics, 2016, 22, 1461-1469.	1.2	43
1010	Layered-MnO₂ Nanosheet Grown on Nitrogen-Doped Graphene Template as a Composite Cathode for Flexible Solid-State Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2016, 8, 5251-5260.	4.0	199
1011	Graphene Oxide/Ammonium Perchlorate Composite Material for Use in Solid Propellants. Journal of Propulsion and Power, 2016, 32, 682-686.	1.3	44
1012	Graphene/layered double hydroxide nanocomposite: Properties, synthesis, and applications. Chemical Engineering Journal, 2016, 292, 207-223.	6.6	164
1013	Graphene-based materials with tailored nanostructures for energy conversion and storage. Materials Science and Engineering Reports, 2016, 102, 1-72.	14.8	221
1014	Electrochemical determination of adenine using a glassy carbon electrode modified with graphene oxide and polyaniline. Mikrochimica Acta, 2016, 183, 1299-1306.	2.5	21
1015	One-pot synthesis of graphene/zinc oxide by microwave irradiation with enhanced supercapacitor performance. RSC Advances, 2016, 6, 19394-19403.	1.7	57
1016	An amperometric glucose biosensor based on a MnO₂/graphene composite modified electrode. RSC Advances, 2016, 6, 18654-18661.	1.7	43
1017	Fabrication of TiO2@MnO2 nanotube arrays by pulsed electrodeposition and their application for high-performance supercapacitors. Electrochimica Acta, 2016, 192, 259-267.	2.6	60
1018	Green synthesis of vertical graphene nanosheets and their application in high-performance supercapacitors. RSC Advances, 2016, 6, 23968-23973.	1.7	39
1019	Nickel foam supported hierarchical mesoporous MnO 2 /Ni(OH) 2 nanosheet networks for high performance supercapacitor electrode. Materials Letters, 2016, 171, 10-13.	1.3	20
1020	Growth of NiCo₂O₄@MnMoO₄ Nanocolumn Arrays with Superior Pseudocapacitor Properties. ACS Applied Materials & Interfaces, 2016, 8, 8568-8575.	4.0	100

#	Article	IF	Citations
1021	MnO2/polyaniline hybrid nanostructures on carbon cloth for supercapacitor electrodes. Journal of Solid State Electrochemistry, 2016, 20, 1459-1467.	1.2	54
1022	Facile hydrothermal preparation of niobium pentaoxide decorated reduced graphene oxide nanocomposites for supercapacitor applications. Chemical Physics Letters, 2016, 650, 35-40.	1.2	17
1023	In-situ hydrothermal synthesis of MnO2/NiO@Ni hetero structure electrode for hydrogen evolution reaction and high energy asymmetric supercapacitor applications. Journal of Energy Storage, 2016, 6, 22-31.	3.9	59
1024	Mesoporous Few-Layer Graphene Platform for Affinity Biosensing Application. ACS Applied Materials & Interfaces, 2016, 8, 7646-7656.	4.0	50
1025	Free-Standing Graphene Oxide-Palygorskite Nanohybrid Membrane for Oil/Water Separation. ACS Applied Materials & Interfaces, 2016, 8, 8247-8256.	4.0	214
1026	Efficient synthesis of silver-reduced graphene oxide composites with prolonged antibacterial effects. Ceramics International, 2016, 42, 9769-9778.	2.3	34
1027	High-performance supercapacitors based on polyanilineâ€“graphene nanocomposites: Some approaches, challenges and opportunities. Journal of Industrial and Engineering Chemistry, 2016, 36, 13-29.	2.9	94
1028	The investigation of dielectric properties and ac conductivity of Au/GO-doped PrBaCoO nanoceramic/n-Si capacitors using impedance spectroscopy method. Ceramics International, 2016, 42, 3322-3329.	2.3	66
1029	Engineered nanomembranes for smart energy storage devices. Chemical Society Reviews, 2016, 45, 1308-1330.	18.7	167
1030	Synergistic effects from graphene oxide nanosheets and TiO₂ hierarchical structures enable robust and resilient electrodes for high-performance lithium-ion batteries. RSC Advances, 2016, 6, 4321-4328.	1.7	11
1031	Thermal and thermomechanical characteristics of monolithic refractory composite matrix containing surface-modified graphite. Ceramics International, 2016, 42, 6015-6024.	2.3	15
1032	Graphene decorated with MoS₂ nanosheets: a synergetic energy storage composite electrode for supercapacitor applications. Dalton Transactions, 2016, 45, 2637-2646.	1.6	200
1033	Two-step approach of fabrication of three-dimensional MnO2-graphene-carbon nanotube hybrid as a binder-free supercapacitor electrode. Journal of Power Sources, 2016, 306, 602-610.	4.0	141
1034	Rationally Designed Carbon Fiber@NiCo₂O₄@Polypyrrole Coreâ€“Shell Nanowire Array for High-Performance Supercapacitor Electrodes. Nano, 2016, 11, 1650015.	0.5	33
1035	Beyond graphene foam, a new form of three-dimensional graphene for supercapacitor electrodes. Journal of Materials Chemistry A, 2016, 4, 1876-1886.	5.2	55
1036	Ultra small and highly dispersed Fe3O4 nanoparticles anchored on reduced graphene for supercapacitor application. Electrochimica Acta, 2016, 190, 566-573.	2.6	103
1037	Nickel Cobalt Hydroxide @Reduced Graphene Oxide Hybrid Nanolayers for High Performance Asymmetric Supercapacitors with Remarkable Cycling Stability. ACS Applied Materials & Interfaces, 2016, 8, 1992-2000.	4.0	360
1038	Interfacial Shear Strength of Multilayer Graphene Oxide Films. ACS Nano, 2016, 10, 1939-1947.	7.3	64

#	Article	IF	Citations
1039	Synthesis, characterization and application of Î³-MnO₂/graphene oxide for the selective aerobic oxidation of benzyl alcohols to corresponding carbonyl compounds. New Journal of Chemistry, 2016, 40, 1436-1442.	1.4	39
1040	Controllable in situ synthesis of epsilon manganese dioxide hollow structure/RGO nanocomposites for high-performance supercapacitors. Nanoscale, 2016, 8, 1854-1860.	2.8	37
1041	Literature Review and Research Background. Springer Theses, 2016, , 1-49.	0.0	2
1042	Mesoporous CuOâ€"ZnO pâ€"n heterojunction based nanocomposites with high specific surface area for enhanced photocatalysis and electrochemical sensing. Catalysis Science and Technology, 2016, 6, 3238-3252.	2.1	104
1043	MnO 2 -wrapped hollow graphitized carbon nanosphere electrode for supercapacitor. Materials Research Bulletin, 2016, 73, 429-436.	2.7	18
1044	Synthesis of Î´-MnO2 film on FTO glass with high electrochemical performance. Ionics, 2016, 22, 637-647.	1.2	22
1045	Self-assembled three-dimensional graphene/Fe3O4 hydrogel for efficient pollutant adsorption and electromagnetic wave absorption. Materials Research Bulletin, 2016, 73, 401-408.	2.7	32
1046	A universal strategy for the facile synthesis of a sandwich-structured Ptâ€"grapheneâ€"Pt nanocomposite for salbutamol sensing. New Journal of Chemistry, 2016, 40, 302-309.	1.4	9
1047	Asymmetric supercapacitors with high energy density based on helical hierarchical porous Na_xMnO₂and MoO₂. Chemical Science, 2016, 7, 510-517.	3.7	89
1048	2-Dimensional graphene as a route for emergence of additional dimension nanomaterials. Biosensors and Bioelectronics, 2017, 89, 8-27.	5.3	31
1049	Spectroscopic Investigations of Phonons in Epitaxial Graphene. Critical Reviews in Solid State and Materials Sciences, 2017, 42, 99-128.	6.8	17
1050	Hierarchically designed PEDOT encapsulated graphene-MnO 2 nanocomposite as supercapacitors. Materials Research Bulletin, 2017, 88, 218-225.	2.7	18
1051	MnO₂ Nanoflake-Shelled Carbon Nanotube Particles for High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2017, 5, 2445-2453.	3.2	115
1052	MnO x /C nanocomposite: An insight on high-performance supercapacitor and non-enzymatic hydrogen peroxide detection. Applied Surface Science, 2017, 404, 197-205.	3.1	26
1053	Synthesis and characterization of MnO 2 -decorated graphene for supercapacitors. Electrochimica Acta, 2017, 231, 749-758.	2.6	79
1054	Synthesis of MnOx/reduced graphene oxide nanocomposite as an anode electrode for lithium-ion batteries. Ceramics International, 2017, 43, 4873-4879.	2.3	14
1055	Monitoring of microbial cell viability using nanostructured electrodes modified with Graphene/Alumina nanocomposite. Biosensors and Bioelectronics, 2017, 91, 857-862.	5.3	31
1056	A V₂O₅ nanorod decorated graphene/polypyrrole hybrid electrode: a potential candidate for supercapacitors. New Journal of Chemistry, 2017, 41, 1704-1713.	1.4	35

#	Article	IF	Citations
1057	Graphene-Incorporated Sol-Gel Materials for Energy Applications. Advances in Sol-gel Derived Materials and Technologies, 2017, , 243-269.	0.3	0
1058	Hydrothermal-assisted synthesis of an iron nitrideâ€“carbon composite as a novel electrode material for supercapacitors. Journal of Materials Chemistry A, 2017, 5, 5680-5684.	5.2	67
1059	Oxygen-containing hierarchically porous carbon materials derived from wild jujube pit for high-performance supercapacitor. Electrochimica Acta, 2017, 231, 417-428.	2.6	142
1060	Two steps synthesis approach of MnO2/graphene nanoplates/graphite composite electrode for supercapacitor application. Materials Today Energy, 2017, 3, 24-31.	2.5	38
1061	The critical role of point defects in improving the specific capacitance of Î´-MnO2 nanosheets. Nature Communications, 2017, 8, 14559.	5.8	208
1062	Reduced graphene oxide based ternary nanocomposite cathodes for high-performance aqueous asymmetric supercapacitors. Electrochimica Acta, 2017, 231, 539-548.	2.6	35
1063	Systematic Molecular Design of Ketone Derivatives of Aromatic Molecules for Lithiumâ€ion Batteries: Firstâ€Principles DFT Modeling. ChemSusChem, 2017, 10, 1584-1591.	3.6	44
1064	Facile synthesis of iron-doped hollow urchin-like MnO2 for supercapacitors. Journal of Materials Science, 2017, 52, 4852-4865.	1.7	39
1065	MnO₂/g-C₃N₄ nanocomposite with highly enhanced supercapacitor performance. Nanotechnology, 2017, 28, 135705.	1.3	93
1066	Engineering hierarchical nanotrees with CuCo₂O₄ trunks and NiO branches for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 5820-5828.	5.2	100
1067	Graphene oxide-Fe3O4 nanocomposites as high-performance antifungal agents against Plasmopara viticola. Science China Materials, 2017, 60, 258-268.	3.5	34
1068	Influence of graphene coating on supercapacitive behavior of sandwich-like N- and O-enriched porous carbon/graphene composites in aqueous and organic electrolytes. Ionics, 2017, 23, 1499-1507.	1.2	3
1069	Natural Fiber-Anchored Few-Layer Graphene Oxide Nanosheets for Ultrastrong Interfaces in Poly(lactic acid). ACS Sustainable Chemistry and Engineering, 2017, 5, 3279-3289.	3.2	24
1070	Peptide-templated synthesis of branched MnO₂nanowires with improved electrochemical performances. RSC Advances, 2017, 7, 12711-12718.	1.7	24
1071	Integrated solar capacitors for energy conversion and storage. Nano Research, 2017, 10, 1545-1559.	5.8	61
1072	A reduced graphene oxide/mixed-valence manganese oxide composite electrode for tailorable and surface mountable supercapacitors with high capacitance and super-long life. Energy and Environmental Science, 2017, 10, 941-949.	15.6	253
1074	An innovative carbon template-induced approach to a graphene-like MnO₂nanomesh with enhanced pseudocapacitance performance. Journal of Materials Chemistry A, 2017, 5, 9709-9716.	5.2	13
1075	Low temperature reduction of graphene oxide film by ammonia solution and its application for high-performance supercapacitors. Journal of Materials Science: Materials in Electronics, 2017, 28, 10098-10105.	1.1	15

#	Article	IF	Citations
1076	Electrochemical functionalization and in-situ deposition of the SAA@rGO/h-BN@Ni electrode for supercapacitor applications. Journal of Industrial and Engineering Chemistry, 2017, 52, 321-330.	2.9	21
1077	Carbon-based supercapacitors for efficient energy storage. National Science Review, 2017, 4, 453-489.	4.6	651
1078	Enhanced photocatalytic performance of <scp>Bi₂Fe₄O₉</scp>/graphene via modifying graphene composite. Journal of the American Ceramic Society, 2017, 100, 3540-3549.	1.9	22
1079	Equilibrium, kinetic and thermodynamic studies of Cr(VI) adsorption from aqueous solution onto manganese oxide coated sand grain (MOCSG). Journal of Molecular Liquids, 2017, 236, 320-330.	2.3	72
1080	Redoxâ€Additiveâ€Enhanced High Capacitance Supercapacitors Based on Co₂P₂O₇ Nanosheets. Advanced Materials Interfaces, 2017, 4, 1700059.	1.9	85
1081	Controlled synthesis of nanostructured molybdenum oxide electrodes for high performance supercapacitor devices. Applied Surface Science, 2017, 416, 461-469.	3.1	79
1082	Improved supercapacitor performance of MnO2-electrospun carbon nanofibers electrodes by mT magnetic field. Journal of Power Sources, 2017, 358, 22-28.	4.0	80
1083	Pure and Co doped CeO2 nanostructure electrodes with enhanced electrochemical performance for energy storage applications. Ceramics International, 2017, 43, 10494-10501.	2.3	39
1084	Hierarchical NiCo 2 O 4 nanowalls composed of ultrathin nanosheets as electrode materials for supercapacitor and Li ion battery applications. Materials Research Bulletin, 2017, 93, 303-309.	2.7	74
1085	Î±-MnO₂/h-MoO₃ Hybrid Material for High Performance Supercapacitor Electrode and Photocatalyst. ACS Sustainable Chemistry and Engineering, 2017, 5, 4757-4770.	3.2	99
1086	MnO₂ Nanowire/Biomass-Derived Carbon from Hemp Stem for High-Performance Supercapacitors. Langmuir, 2017, 33, 5140-5147.	1.6	89
1087	Flexible freestanding sandwich type ZnO/rGO/ZnO electrode for wearable supercapacitor. Applied Surface Science, 2017, 419, 277-285.	3.1	57
1088	Sonochemically synthesized hydroxy-functionalized grapheneâ€“MnO2 nanocomposite for supercapacitor applications. Journal of Applied Electrochemistry, 2017, 47, 789-801.	1.5	35
1089	Facile hydrothermal synthesis of urchin-like cobalt manganese spinel for high-performance supercapacitor applications. Journal of Colloid and Interface Science, 2017, 503, 17-27.	5.0	37
1090	Fabrication of a novel PbO2 electrode with a graphene nanosheet interlayer for electrochemical oxidation of 2-chlorophenol. Electrochimica Acta, 2017, 240, 424-436.	2.6	82
1091	The synthesis of highly corrugated graphene and its polyaniline composite for supercapacitors. New Journal of Chemistry, 2017, 41, 4629-4636.	1.4	8
1092	Sandwichâ€“like Structure of Carbon Fluoride/Graphene Oxide/Polyacrylonitrile Cathode for Lithium and Sodium Batteries. ChemElectroChem, 2017, 4, 436-440.	1.7	10
1093	Graphene oxide and creatine phosphate disodium dual template-directed synthesis of GO/hydroxyapatite and its application in drug delivery. Materials Science and Engineering C, 2017, 73, 709-715.	3.8	36

#	Article	IF	Citations
1094	An interfacial engineering approach towards two-dimensional porous carbon hybrids for high performance energy storage and conversion. Journal of Materials Chemistry A, 2017, 5, 1567-1574.	5.2	22
1095	Co(OH)2 nanoparticles deposited on reduced graphene oxide nanoflake as a suitable electrode material for supercapacitor and oxygen evolution reaction in alkaline media. International Journal of Hydrogen Energy, 2017, 42, 16538-16546.	3.8	41
1096	Synthesis of MnO 2 /N-doped ultramicroporous carbon nanospheres for high-performance supercapacitor electrodes. Chinese Chemical Letters, 2017, 28, 1324-1329.	4.8	91
1097	Recyclable and eco-friendly Pd-complexed graphene oxide/ N -heterocyclic carbene catalyst for various coupling reactions in aqueous phase. Tetrahedron Letters, 2017, 58, 2421-2425.	0.7	37
1098	Hierarchical coreâ€“shell CoMn₂O₄@MnO₂ nanoneedle arrays for high-performance supercapacitors. Dalton Transactions, 2017, 46, 7451-7456.	1.6	36
1099	Ternary NiCoP nanoparticles assembled on graphene for high-performance lithium-ion batteries and supercapacitors. RSC Advances, 2017, 7, 26120-26124.	1.7	65
1100	Enhanced sunlight photocatalytic activity of silver nanoparticles decorated on reduced graphene oxide sheet. Korean Journal of Chemical Engineering, 2017, 34, 2079-2085.	1.2	13
1101	Co3O4/reduced graphene oxide nanocomposite for removal of organic pollutants from aqueous medium. AIP Conference Proceedings, 2017, , .	0.3	8
1102	Direct aqueous solution synthesis of an ultra-fine amorphous nickelâ€“boron alloy with superior pseudocapacitive performance for advanced asymmetric supercapacitors. New Journal of Chemistry, 2017, 41, 7302-7311.	1.4	38
1103	Graphene-Based Systems for Enhanced Energy Storage. E3S Web of Conferences, 2017, 16, 09006.	0.2	0
1104	Tunable morphology and property of a MnO2/carbonized cotton textile hybrid electrode for electrochemical capacitors. Journal of Alloys and Compounds, 2017, 729, 655-662.	2.8	22
1105	Stability, transport and ecosystem effects of graphene in water and soil environments. Nanoscale, 2017, 9, 5370-5388.	2.8	75
1106	Reduced graphene oxide/Mn 3 O 4 nanocomposite electrodes with enhanced electrochemical performance for energy storage applications. Journal of Electroanalytical Chemistry, 2017, 794, 78-85.	1.9	58
1107	Promoting power density by cleaving LiCoO2 into nano-flake structure for high performance supercapacitor. Nanoscale, 2017, 9, 5509-5516.	2.8	26
1108	Excellent performance of Cu-Mn/Ti-sepiolite catalysts for low-temperature CO oxidation. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	3.3	8
1109	Hydrothermal synthesis of nanostructured graphene/polyaniline composites as high-capacitance electrode materials for supercapacitors. Scientific Reports, 2017, 7, 44562.	1.6	76
1110	Ruthenium doped carbon aerogel with CO 2 surface activation for enhanced electrochemical capacitance. Current Applied Physics, 2017, 17, 885-889.	1.1	8
1111	Lithium vanadate nanowires@reduced graphene oxide nanocomposites on titanium foil with super high capacities for lithium-ion batteries. Journal of Colloid and Interface Science, 2017, 498, 210-216.	5.0	15

#	Article	IF	Citations
1112	One-step preparation of sulfonated carbon and subsequent preparation of hybrid material with polyaniline salt: a promising supercapacitor electrode material. Journal of Solid State Electrochemistry, 2017, 21, 1313-1322.	1.2	17
1113	Naphtha HDS over Co-Mo/Graphene catalyst synthesized through the spray pyrolysis technique. Journal of Analytical and Applied Pyrolysis, 2017, 123, 144-151.	2.6	18
1114	Synthesis and charge storage properties of templated LaMnO₃â€“SiO₂ composite materials. Dalton Transactions, 2017, 46, 977-984.	1.6	17
1115	S,N-Containing Co-MOF derived Co₉S₈@S,N-doped carbon materials as efficient oxygen electrocatalysts and supercapacitor electrode materials. Inorganic Chemistry Frontiers, 2017, 4, 491-498.	3.0	108
1116	Design and synthesis of ternary-component layered double hydroxides for high-performance supercapacitors: understanding the role of trivalent metal ions. Electrochimica Acta, 2017, 225, 263-271.	2.6	90
1117	Mechanistic Investigation of Water Oxidation Catalyzed by Uniform, Assembled MnO Nanoparticles. Journal of the American Chemical Society, 2017, 139, 2277-2285.	6.6	133
1118	Coreâ€“shell reduced graphene oxide/MnO @carbon hollow nanospheres for high performance supercapacitor electrodes. Chemical Engineering Journal, 2017, 313, 518-526.	6.6	137
1119	Ultrafast charge/discharge solid-state thin-film supercapacitors via regulating the microstructure of transition-metal-oxide. Journal of Materials Chemistry A, 2017, 5, 2759-2767.	5.2	45
1120	Graphene-family nanomaterials assembled with cobalt oxides and cobalt nanoparticles as hybrid supercapacitive electrodes and enzymeless glucose detection platforms. Journal of Materials Research, 2017, 32, 301-322.	1.2	25
1121	Simple synthesis of bimetal oxide@graphitized carbon nanocomposites via in-situ thermal decomposition of coordination polymers and their enhanced electrochemical performance for electrochemical energy storage. Electrochimica Acta, 2017, 224, 80-89.	2.6	16
1122	Preparation of SnO2/rGO Photoanode and Its Effect on the Property of Dye-Sensitized Solar Cells. IEEE Journal of Photovoltaics, 2017, 7, 399-403.	1.5	6
1123	A successive ionic layer adsorption and reaction (SILAR) method to fabricate a layer-by-layer (LbL) MnO 2 -reduced graphene oxide assembly for supercapacitor application. Journal of Power Sources, 2017, 340, 380-392.	4.0	51
1124	Materials for Electrochemical Capacitors. , 2017, , 495-561.		25
1125	Three-dimensional graphene anchored Fe2O3@C core-shell nanoparticles as supercapacitor electrodes. Journal of Alloys and Compounds, 2017, 696, 956-963.	2.8	39
1126	Metalâ€“Organic Coaxial Nanowire Array Electrodes Combining Large Energy Capacity and High Rate Capability. ChemSusChem, 2017, 10, 701-710.	3.6	9
1127	Spaced TiO₂ nanotube arrays allow for a high performance hierarchical supercapacitor structure. Journal of Materials Chemistry A, 2017, 5, 1895-1901.	5.2	62
1128	Synthesis and characterization of amine functionalized graphene oxide and scope as catalyst for Knoevenagel condensation reaction. Catalysis Communications, 2017, 92, 31-34.	1.6	58
1129	Morphology-Modulated Mesoporous CuO Electrodes for Efficient Interfacial Contact in Nonenzymatic Glucose Sensors and High-Performance Supercapacitors. Journal of the Electrochemical Society, 2017, 164, B40-B47.	1.3	8

#	Article	IF	Citations
1130	Multidimensional Cyclic Voltammetry Simulations of Pseudocapacitive Electrodes with a Conducting Nanorod Scaffold. Journal of the Electrochemical Society, 2017, 164, A3237-A3252.	1.3	18
1131	Surface modification by graphene oxide: An efficient strategy to improve the performance of activated carbon based supercapacitors. Chinese Chemical Letters, 2017, 28, 2285-2289.	4.8	10
1132	Three-dimensional CoMoO 4 nanorods/nanographene composites on a Ni coated macroporous electrically conductive network with excellent electrochemical performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 226, 177-187.	1.7	7
1133	Co@Carbon and Co 3 O4@Carbon nanocomposites derived from a single MOF for supercapacitors. Scientific Reports, 2017, 7, 12588.	1.6	92
1134	Hexagonal prism-like hierarchical Co₉S₈@Ni(OH)₂coreâ€“shell nanotubes on carbon fibers for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 22782-22789.	5.2	133
1135	Ultrastable MnO2 nanoparticle/three-dimensional N-doped reduced graphene oxide composite as electrode material for supercapacitor. Journal of Applied Electrochemistry, 2017, 47, 1293-1303.	1.5	22
1136	High-performance MnO2-deposited graphene/activated carbon film electrodes for flexible solid-state supercapacitor. Scientific Reports, 2017, 7, 12857.	1.6	65
1137	Design of 3D Grapheneâ€Oxide Spheres and Their Derived Hierarchical Porous Structures for High Performance Supercapacitors. Small, 2017, 13, 1702474.	5.2	42
1138	Three-dimensionally stacked Al2O3/graphene oxide for gas barrier applications. Carbon, 2017, 125, 464-471.	5.4	21
1139	Designing MnO2 & carbon composite porous nanofiber structure for supercapacitor applications. Electrochimica Acta, 2017, 258, 116-123.	2.6	34
1140	Photo-induced conductivity in 2, 6-diaminopyridine functionalized graphene oxide containing Eu2+ for optoelectronic applications. Optical Materials, 2017, 73, 555-562.	1.7	10
1141	Highly efficient multipurpose graphene oxide embedded with copper oxide nanohybrid for electrochemical sensors and biomedical applications. Journal of Science: Advanced Materials and Devices, 2017, 2, 493-500.	1.5	21
1142	Facile synthesis of graphene@NiMoO4 nanosheet arrays on Ni foam for a high-performance asymmetric supercapacitor. Journal of Materials Science, 2017, 52, 13909-13919.	1.7	26
1143	MnO2 nanotubes assembled on conductive graphene/polyester composite fabric as a three-dimensional porous textile electrode for flexible electrochemical capacitors. Journal of Colloid and Interface Science, 2017, 508, 426-434.	5.0	23
1144	Low-cost superior symmetric solid-state supercapacitors based on MWCNTs/MnO 2 nanocomposite thin film. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 503-510.	2.7	40
1145	Optimized K+ pre-intercalation in layered manganese dioxide nanoflake arrays with high intercalation pseudocapacitance. Ceramics International, 2017, 43, 14897-14904.	2.3	29
1146	Decorating mechanism of Mn3O4 nanoparticles on reduced graphene oxide surface through reflux condensation method to improve photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2017, 28, 17860-17870.	1.1	19
1147	Recent developed different structural nanomaterials and their performance for supercapacitor application. Applied Materials Today, 2017, 9, 300-313.	2.3	62

#	Article	IF	Citations
1148	Direct formation of graphene shells on Al 2 O 3 nano-particles using simple thermal treatment under C 2 H 2 -H 2 atmospheric conditions. Materials Chemistry and Physics, 2017, 202, 215-219.	2.0	5
1149	NiO Nanocrystalline/Reduced Graphene Oxide Composite Film with Enhanced Electrochromic Properties. Nano, 2017, 12, 1750058.	0.5	8
1151	Solvothermal Synthesis of Nickelâ€“Aluminum Layered Double Hydroxide Nanosheet Arrays on Nickel Foam as Binder-Free Electrodes for Supercapacitors. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1933-1940.	1.9	8
1152	Environment-benign synthesis of rGO/MnO nanocomposites with superior electrochemical performance for supercapacitors. Journal of Alloys and Compounds, 2017, 729, 9-18.	2.8	32
1153	Tailoring the lattice structure of manganese oxides under electric field and improving the supercapacity of them. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 225, 134-139.	1.7	5
1154	Microporous Nanocomposite Enabled Microfluidic Biochip for Cardiac Biomarker Detection. ACS Applied Materials & Interfaces, 2017, 9, 33576-33588.	4.0	63
1155	Enhanced viscoelastic properties of graphene oxide membranes. Carbon, 2017, 124, 576-583.	5.4	14
1156	Threeâ€Dimensional Hierarchical NiCo₂O₄ Nanosheets/Carbon Nanotubes/Carbon Cloth as a Flexible Electrode Material for Electrochemical Capacitors. ChemistrySelect, 2017, 2, 8618-8624.	0.7	12
1157	On the Development of Hierarchical Nanostructures of Graphene-Zinc antimonate as Inexpensive Electrode Materials for Supercapacitors. Electrochimica Acta, 2017, 253, 178-189.	2.6	6
1158	Electrostatic-Interaction-Assisted Construction of 3D Networks of Manganese Dioxide Nanosheets for Flexible High-Performance Solid-State Asymmetric Supercapacitors. ACS Nano, 2017, 11, 7879-7888.	7.3	116
1159	Binder free 2D aligned efficient MnO₂ micro flowers as stable electrodes for symmetric supercapacitor applications. RSC Advances, 2017, 7, 36886-36894.	1.7	21
1161	Manganese dioxide nanorods intercalated reduced graphene oxide nanocomposite toward high performance electrochemical supercapacitive electrode materials. Journal of Colloid and Interface Science, 2017, 506, 613-619.	5.0	34
1162	Laser-driven coating of vertically aligned carbon nanotubes with manganese oxide from metal organic precursors for energy storage. Nanotechnology, 2017, 28, 395405.	1.3	4
1163	Hierarchical CoMn-layered double hydroxide nanowires on nickel foam as electrode material for high-capacitance supercapacitor. Journal of Alloys and Compounds, 2017, 729, 866-873.	2.8	62
1164	Conductive Co3O4/graphene (core/shell) quantum dots as electrode materials for electrochemical pseudocapacitor applications. Composites Part B: Engineering, 2017, 130, 230-235.	5.9	10
1165	Electrophoretic Deposition of Binderâ€Free <scp>MnO₂</scp>/Graphene Films for Lithiumâ€Ion Batteries. Chinese Journal of Chemistry, 2017, 35, 1575-1585.	2.6	13
1166	Electrochemical Energy Storage: Current and Emerging Technologies. , 2017, , 1695-1727.		5
1167	Effect of iron oxide impregnated in hollow carbon sphere as symmetric supercapacitors. Journal of Alloys and Compounds, 2017, 726, 466-473.	2.8	23

#	Article	IF	Citations
1168	Graphene-based composite electrodes for electrochemical energy storage devices: Recent progress and challenges. FlatChem, 2017, 6, 48-76.	2.8	27
1169	Enhanced Pseudocapacitance of MoO₃-Reduced Graphene Oxide Hybrids with Insight from Density Functional Theory Investigations. Journal of Physical Chemistry C, 2017, 121, 18992-19001.	1.5	51
1170	Interaction and Quantum Capacitance of Nitrogen/Sulfur Co-Doped Graphene: A Theoretical Calculation. Journal of Physical Chemistry C, 2017, 121, 18344-18350.	1.5	40
1171	Freestanding three-dimensional reduced graphene oxide/MnO2 on porous carbon/nickel foam as a designed hierarchical multihole supercapacitor electrode. Electrochimica Acta, 2017, 252, 306-314.	2.6	51
1172	Charge storage performances and mechanisms of MnO₂ nanospheres, nanorods, nanotubes and nanosheets. Nanoscale, 2017, 9, 13630-13639.	2.8	74
1173	Structurally Stable Mesoporous Hierarchical NiMoO₄ Hollow Nanofibers for Asymmetric Supercapacitors with Enhanced Capacity and Improved Cycling Stability. ChemElectroChem, 2017, 4, 3331-3339.	1.7	29
1174	Insight into charge storage mechanisms of layered MnO 2 nanosheets for supercapacitor electrodes: In situ electrochemical X-ray absorption spectroscopy. Electrochimica Acta, 2017, 249, 26-32.	2.6	56
1175	Carbon-Induced Generation of Hierarchical Structured Ni_{0.75}Co_{0.25}(CO₃)_{0.125}(OH)₂ for Enhanced Supercapacitor Performance. ACS Applied Materials & Interfaces, 2017, 9, 44441-44451.	4.0	39
1176	Facile preparation and electrochemical characterization of kassite-based materials for supercapacitor applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	4
1177	Facile synthesis of hierarchical nanocomposites of aligned polyaniline nanorods on reduced graphene oxide nanosheets for microwave absorbing materials. RSC Advances, 2017, 7, 54031-54038.	1.7	138
1178	Metal Oxideâ€“Carbon Hybrid Materials for Application in Supercapacitors. , 2017, , 193-218.		10
1179	MnO2-decorated 3D porous carbon skeleton derived from mollusc shell for high-performance supercapacitor. Journal of Alloys and Compounds, 2017, 723, 505-511.	2.8	26
1180	Synthesis, structure and applications of graphene-based 2D heterostructures. Chemical Society Reviews, 2017, 46, 4572-4613.	18.7	275
1181	Strongly coupled nickel boride/graphene hybrid as a novel electrode material for supercapacitors. Chemical Engineering Journal, 2017, 327, 1085-1092.	6.6	65
1182	Two-Dimensional Planar Supercapacitor Based on Zinc Oxide/Manganese Oxide Core/Shell Nano-architecture. Electrochimica Acta, 2017, 247, 949-957.	2.6	77
1183	Black phosphorus: a two-dimensional reductant for in situ nanofabrication. Npj 2D Materials and Applications, 2017, 1, .	3.9	63
1184	Silver Nanowires@Mn₃O₄ Coreâ€“Shell Nanocables as Advanced Electrode Materials for Aqueous Asymmetric Supercapacitors. Energy Technology, 2017, 5, 2275-2282.	1.8	10
1185	Gaseous Heterogeneous Catalytic Reactions over Mn-Based Oxides for Environmental Applications: A Critical Review. Environmental Science & Technology, 2017, 51, 8879-8892.	4.6	291

#	Article	IF	Citations
1186	Manganese dioxide nanoflakes anchored on reduced graphene oxide with superior electrochemical performance for supercapacitors. Micro and Nano Letters, 2017, 12, 147-150.	0.6	2
1187	A universal strategy for metal oxide anchored and binder-free carbon matrix electrode: A supercapacitor case with superior rate performance and high mass loading. Nano Energy, 2017, 31, 311-321.	8.2	169
1188	MnO₂/graphene oxide: A highly efficient catalyst for imine synthesis from alcohols and amines. Applied Organometallic Chemistry, 2017, 31, e3659.	1.7	15
1189	Carbon-wrapped MnO nanodendrites interspersed on reduced graphene oxide sheets as anode materials for lithium-ion batteries. Applied Surface Science, 2017, 394, 1-8.	3.1	30
1190	Preparation of Manganese/Graphite Oxide Composite Using Permanganate and Graphite: Application as Catalyst in Bromination of Hydrocarbons. Bulletin of the Chemical Society of Japan, 2017, 90, 74-78.	2.0	6
1191	Interior design engineering of CuS architecture alteration with rise in reaction bath temperature for high performance symmetric flexible solid state supercapacitor. Journal of Industrial and Engineering Chemistry, 2017, 46, 91-102.	2.9	43
1192	Enhancing effect of boron trifluoride diethyl etherate electrolytes on capacitance performance of electropolymerized poly[poly(N-vinyl-carbazole)] films. Journal of Solid State Electrochemistry, 2017, 21, 81-90.	1.2	4
1193	Investigation for the synthesis of hierarchical Co3O4@MnO2 nanoarrays materials and their application for supercapacitor. Journal of Materials Science: Materials in Electronics, 2017, 28, 1281-1287.	1.1	17
1194	Facile preparation of ultrafine manganese dioxide nanowires on activated carbon paper with enhanced capacitance for supercapacitors. Ionics, 2017, 23, 247-251.	1.2	4
1195	Fabrication of 3D lawn-shaped N-doped porous carbon matrix/polyaniline nanocomposite as the electrode material for supercapacitors. Journal of Power Sources, 2017, 340, 22-31.	4.0	69
1196	Turning Hazardous Diesel Soot into High Performance Carbon/MnO₂ Supercapacitive Energy Storage Material. ACS Sustainable Chemistry and Engineering, 2017, 5, 450-459.	3.2	43
1197	Composite-modified anode by MnO₂/polypyrrole in marine benthic microbial fuel cells and its electrochemical performance. International Journal of Energy Research, 2017, 41, 845-853.	2.2	36
1198	Different influences of nanopore dimension and pH between chlorpheniramine adsorptions on graphene oxide-iron oxide suspension and particle. Chemical Engineering Journal, 2017, 307, 447-455.	6.6	27
1199	Resorcinol-formaldehyde carbon spheres/polyaniline composite with excellent electrochemical performance for supercapacitors. Journal of Solid State Electrochemistry, 2017, 21, 485-494.	1.2	20
1200	Synthesis of ZnO Photocatalysts Using Various Surfactants. Russian Journal of Physical Chemistry A, 2017, 91, 2680-2685.	0.1	5
1201	One Step Synthesis of Ternary Composite of GNS/CNT/MnO 2 for the Applications of Electrochemical and Photocatalytic Studies. Materials Today: Proceedings, 2017, 4, 11799-11805.	0.9	5
1202	Photocatalytic degradation of Brilliant Green dye using CdSe quantum dots hybridized with graphene oxide under sunlight irradiation. Chinese Journal of Catalysis, 2017, 38, 2150-2159.	6.9	75
1203	Hierarchical Polyanilineâ€MnO₂â€Reduced Graphene Oxide Ternary Nanostructures with Whiskersâ€Like Polyaniline for Supercapacitor Application. ChemistrySelect, 2017, 2, 11783-11789.	0.7	21

#	Article	IF	Citations
1205	Recent Development on Nanocomposites of Graphene for Supercapacitor Applications. Current Graphene Science, 2017, 1, .	0.5	25
1206	Nanostructured MnO2 as Electrode Materials for Energy Storage. Nanomaterials, 2017, 7, 396.	1.9	195
1207	A Critical Review of Spinel Structured Iron Cobalt Oxides Based Materials for Electrochemical Energy Storage and Conversion. Energies, 2017, 10, 1787.	1.6	51
1208	Recent Advancements in the Cobalt Oxides, Manganese Oxides, and Their Composite As an Electrode Material for Supercapacitor: A Review. Frontiers in Materials, 2017, 4, .	1.2	72
1209	Synthesis and Modification of Carbon Inverse Opal Nanostructres Based on Anthracene and Their Electrochemical Characteristics. Nanotechnologies in Russia, 2017, 12, 635-642.	0.7	3
1210	Studies on MnO₂ Nanorods and Their Application for Supercapacitor. Current Nanomaterials, 2017, 2, .	0.2	26
1211	Direct Formation of Reduced Graphene Oxide and Graphene Quantum dot Composites by Using Ascorbic Acid as High-Performance Binder-Free Supercapacitor Electrodes. International Journal of Electrochemical Science, 2017, 12, 8820-8831.	0.5	10
1212	Facile Hydrothermal Synthesis of Manganese Dioxide/Nitrogen- Doped Graphene Composites as Electrode Material for Supercapacitors. International Journal of Electrochemical Science, 2017, , 11171-11180.	0.5	10
1213	Heterostructural Graphene Quantum Dot/MnO₂ Nanosheets toward Highâ€Potential Window Electrodes for Highâ€Performance Supercapacitors. Advanced Science, 2018, 5, 1700887.	5.6	215
1214	Electrochemical analysis of Graphene Oxide/Polyaniline/Polyvinyl alcohol composite nanofibers for supercapacitor applications. Applied Surface Science, 2018, 449, 551-557.	3.1	89
1215	Graphene hybridization for energy storage applications. Chemical Society Reviews, 2018, 47, 3189-3216.	18.7	297
1216	CNT Applications in Drug and Biomolecule Delivery. , 2018, , 61-64.		12
1217	Synthesis and Chemical Modification of Graphene. , 2018, , 107-119.		0
1218	Graphene Applications in Sensors. , 2018, , 125-132.		0
1220	Medical and Pharmaceutical Applications of Graphene. , 2018, , 149-150.		2
1221	Graphene Applications in Specialized Materials. , 2018, , 151-154.		0
1222	Miscellaneous Applications of Graphene. , 2018, , 155-155.		0
1223	Basic Electrochromics of CPs. , 2018, , 251-282.		0

#	Article	IF	Citations
1224	Batteries and Energy Devices. , 2018, , 575-600.		0
1225	Brief, General Overview of Applications. , 2018, , 43-44.		0
1226	CNT Applications in Batteries and Energy Devices. , 2018, , 49-52.		1
1227	Manganese oxide/hierarchical porous carbon nanocomposite from oily sludge for high-performance asymmetric supercapacitors. Electrochimica Acta, 2018, 265, 71-77.	2.6	37
1229	In-situ synthesis of visible-light responsive Ag2O/graphene oxide nanocomposites and effect of graphene oxide content on its photocatalytic activity. Advanced Composites and Hybrid Materials, 2018, 1, 374-388.	9.9	32
1230	Ironâ€'vanadium oxysulfide nanostructures as novel electrode materials for supercapacitor applications. Journal of Electroanalytical Chemistry, 2018, 818, 157-167.	1.9	23
1231	Critical Impact of Graphene Functionalization for Transition Metal Oxide/Graphene Hybrids on Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2018, 122, 10017-10026.	1.5	22
1232	Flexible Array of Microsupercapacitor for Additive Energy Storage Performance Over a Large Area. ACS Applied Materials & Interfaces, 2018, 10, 15864-15872.	4.0	55
1233	Amorphous nickel oxide and crystalline manganese oxide nanocomposite electrode for transparent and flexible supercapacitor. Chemical Engineering Journal, 2018, 347, 101-110.	6.6	93
1234	Density Functional Theory Calculations of the Quantum Capacitance of Graphene Oxide as a Supercapacitor Electrode. ChemPhysChem, 2018, 19, 1579-1583.	1.0	50
1235	Nonlinear fracture toughness measurement and crack propagation resistance of functionalized graphene multilayers. Science Advances, 2018, 4, eaao7202.	4.7	72
1236	Charge storage mechanisms of birnessite-type MnO2 nanosheets in Na2SO4 electrolytes with different pH values: In situ electrochemical X-ray absorption spectroscopy investigation. Electrochimica Acta, 2018, 273, 17-25.	2.6	33
1237	One-step synthesis of 3D N-doped graphene supported metal oxide for high performance Li-S battery. Ceramics International, 2018, 44, 13419-13425.	2.3	15
1238	Low temperature preparation of pore structure controllable graphene for high volumetric performance supercapacitors. Electrochimica Acta, 2018, 273, 181-190.	2.6	17
1239	A rationally designed self-standing V₂O₅ electrode for high voltage non-aqueous all-solid-state symmetric (2.0 V) and asymmetric (2.8 V) supercapacitors. Nanoscale, 2018, 10, 8741-8751.	2.8	30
1240	Bulk metal-derived metal oxide nanoparticles on oxidized carbon surface. Journal of Alloys and Compounds, 2018, 752, 198-205.	2.8	1
1241	Solvothermal synthesis of pompon-like nickel-cobalt hydroxide/graphene oxide composite for high-performance supercapacitor application. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 76-85.	2.3	38
1242	Graphene Oxide-Templated Synthesis of Hydroxyapatite Nanowhiskers To Improve the Mechanical and Osteoblastic Performance of Poly(lactic acid) for Bone Tissue Regeneration. ACS Sustainable Chemistry and Engineering, 2018, 6, 3862-3869.	3.2	48

#	Article	IF	Citations
1243	One-step electrosynthesis of MnO2/rGO nanocomposite and its enhanced electrochemical performance. Ceramics International, 2018, 44, 7799-7807.	2.3	72
1244	Influence of rare earth elements on porosity controlled synthesis of MnO2 nanostructures for supercapacitor applications. Electrochimica Acta, 2018, 265, 532-546.	2.6	31
1245	Tailoring nanostructured MnO2 as anodes for lithium ion batteries with high reversible capacity and initial Coulombic efficiency. Journal of Power Sources, 2018, 379, 68-73.	4.0	48
1246	Facile and Green Approach To Prepare Nanostructured Au@MnO₂ and Its Applications for Catalysis and Fluorescence Sensing of Glutathione in Human Blood. ACS Sustainable Chemistry and Engineering, 2018, 6, 3948-3956.	3.2	56
1247	Layer â€“ Structured partially reduced graphene oxide sheathed mesoporous MoS2 particles for energy storage applications. Journal of Colloid and Interface Science, 2018, 518, 234-241.	5.0	22
1248	Effect of proton irradiation on the structural and electrochemical properties of MnO2 nanosheets. Journal of Electroanalytical Chemistry, 2018, 811, 16-25.	1.9	5
1249	Three-Dimensional Graphene/MnO₂ Nanowalls Hybrid for High-Efficiency Electrochemical Supercapacitors. Nano, 2018, 13, 1850013.	0.5	40
1250	Graphene Scrollâ€Coated Î±â€MnO₂ Nanowires as Highâ€Performance Cathode Materials for Aqueous Znâ€Ion Battery. Small, 2018, 14, e1703850.	5.2	563
1251	Enhanced visible light driven photocatalytic activity of CdOâ€“graphene oxide heterostructures for the degradation of organic pollutants. New Journal of Chemistry, 2018, 42, 3246-3259.	1.4	65
1252	Ultrathin free-standing graphene oxide film based flexible touchless sensor. Journal of Semiconductors, 2018, 39, 013002.	2.0	1
1253	Heterogeneous Singleâ€Atom Catalyst for Visibleâ€Lightâ€Driven Highâ€Turnover CO₂ Reduction: The Role of Electron Transfer. Advanced Materials, 2018, 30, e1704624.	11.1	383
1254	Enhanced photocatalytic performance of ZnO nanostructures by electrochemical hybridization with graphene oxide. Applied Surface Science, 2018, 441, 936-944.	3.1	49
1255	2D Heterostructure Membranes with Sunlightâ€Driven Selfâ€Cleaning Ability for Highly Efficient Oilâ€“Water Separation. Advanced Functional Materials, 2018, 28, 1706545.	7.8	182
1256	Electrochemical growth of Î±-MnO2 on carbon fibers for high-performance binder-free electrodes of supercapacitors. Journal of Applied Electrochemistry, 2018, 48, 105-113.	1.5	11
1257	Stable Lowâ€Current Electrodeposition of Î±â€MnO₂ on Superaligned Electrospun Carbon Nanofibers for Highâ€Performance Energy Storage. Small, 2018, 14, 1703237.	5.2	30
1258	Electrochemical characterization of FeMnO₃ microspheres as potential material for energy storage applications. Materials Research Express, 2018, 5, 015504.	0.8	19
1259	Formation of CMK-3/Co 3 O 4 nanosheets on nickel foam with markedly enhanced pseudocapacitive properties. Journal of Materials Science and Technology, 2018, 34, 1538-1543.	5.6	22
1260	Temperature dependent supercapacitive performance in La2O3 nano sheet decorated reduce graphene oxide. Electrochimica Acta, 2018, 260, 449-458.	2.6	28

#	Article	IF	Citations
1261	Hierarchical double-shelled poly(3,4-ethylenedioxythiophene) and MnO 2 decorated Ni nanotube arrays for durable and enhanced energy storage in supercapacitors. Electrochimica Acta, 2018, 264, 46-52.	2.6	60
1262	Pd Nanoparticles Immobilized on Graphene Oxide/Silica Nanocomposite: Efficient and Recyclable Catalysts for Crossâ€Coupling Reactions. ChemistrySelect, 2018, 3, 535-543.	0.7	20
1263	Anti-fouling graphene oxide based nanocomposites membrane for oil-water emulsion separation. Water Science and Technology, 2018, 77, 1179-1185.	1.2	18
1264	Enhanced electrochemical performances of agglomeration-free LaMnO3 perovskite nanoparticles and achieving high energy and power densities with symmetric supercapacitor design. Chemical Engineering Journal, 2018, 338, 147-156.	6.6	83
1265	Graphene aerogels for efficient energy storage and conversion. Energy and Environmental Science, 2018, 11, 772-799.	15.6	435
1266	Hierarchical 3D NiFe₂O₄@MnO₂ coreâ€“shell nanosheet arrays on Ni foam for high-performance asymmetric supercapacitors. Dalton Transactions, 2018, 47, 2266-2273.	1.6	60
1267	Outstanding performance supercapacitor based on the ternary graphene-silver-polypyrrole hybrid nanocomposite fromÂâ^'45 to 80â€Â°C. Materials Chemistry and Physics, 2018, 206, 259-269.	2.0	11
1268	Enhanced electrochemiluminescence of luminol by an in situ silver nanoparticle-decorated graphene dot for glucose analysis. Analytical Methods, 2018, 10, 508-514.	1.3	34
1269	Silver decorated PEDOT:PSS wrapped MnO2 nanowires for electrochemical supercapacitor applications. Journal of Industrial and Engineering Chemistry, 2018, 62, 166-175.	2.9	28
1270	Effect of lattice stacking orientation and local thickness variation on the mechanical behavior of few layer graphene oxide. Carbon, 2018, 136, 168-175.	5.4	21
1271	Green Synthesis of Three-Dimensional MnO₂/Graphene Hydrogel Composites as a High-Performance Electrode Material for Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 16474-16481.	4.0	147
1272	Research Progress in MnO₂â€“Carbon Based Supercapacitor Electrode Materials. Small, 2018, 14, e1702883.	5.2	230
1273	Graphene oxide-branched polyethylenimine foams for efficient removal of toxic cations from water. Journal of Materials Chemistry A, 2018, 6, 9384-9390.	5.2	84
1276	Greatly Improved Oil-in-Water Emulsion Separation Properties of Graphene Oxide Membrane upon Compositing with Halloysite Nanotubes. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	15
1277	Investigations Ce Doped MnO2/rGO as High Performance Supercapacitors Material. Russian Journal of Electrochemistry, 2018, 54, 283-291.	0.3	6
1278	Triggering superior sodium ion adsorption on (2â€0â€0) facet of mesoporous WO3 nanosheet arrays for enhanced supercapacitance. Chemical Engineering Journal, 2018, 345, 165-173.	6.6	39
1279	High capacity Mg batteries based on surface-controlled electrochemical reactions. Nano Energy, 2018, 48, 227-237.	8.2	35
1280	Synthesis of 1,3-dicarbonyl-functionalized reduced graphene oxide/MnO₂ composites and their electrochemical properties as supercapacitors. RSC Advances, 2018, 8, 11338-11343.	1.7	6

#	Article	IF	Citations
1281	Graphene oxide-monohydrated manganese phosphate composites: Preparation via modified Hummers method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 547, 56-63.	2.3	36
1282	A review on the heterostructure nanomaterials for supercapacitor application. Journal of Energy Storage, 2018, 17, 181-202.	3.9	129
1283	Synthesis, Structure, and Electrochemical Characteristics of Carbon Inverse Opals. Inorganic Materials: Applied Research, 2018, 9, 92-99.	0.1	3
1284	Alkali Metal Chlorides Based Hydrogel as Ecoâ€Friendly Neutral Electrolyte for Bendable Solidâ€State Capacitor. Advanced Materials Interfaces, 2018, 5, 1701648.	1.9	23
1285	Synthesis of graphene oxide supported copperâ€“cobalt ferrite material functionalized by arginine amino acid as a new highâ€performance catalyst. Applied Organometallic Chemistry, 2018, 32, e3965.	1.7	22
1286	Electrochemical performance of MnFe 2 O 4 nano-ferrites synthesized using thermal decomposition method. International Journal of Hydrogen Energy, 2018, 43, 4058-4066.	3.8	48
1287	RGO/MgO hybrid nanocomposites with high specific capacitance. Ceramics International, 2018, 44, 424-432.	2.3	15
1288	In-situ space-confined catalysis for fabricating 3D mesoporous graphene and their capacitive properties. Applied Surface Science, 2018, 433, 568-574.	3.1	15
1289	Molybdenum Oxide/Graphene Nanocomposite Electrodes with Enhanced Capacitive Performance for Supercapacitor Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 50-62.	1.9	20
1290	Ultrafine nano-network structured bacterial cellulose as reductant and bridging ligands to fabricate ultrathin K-birnessite type MnO 2 nanosheets for supercapacitors. Applied Surface Science, 2018, 433, 419-427.	3.1	54
1291	Ternary GO/Ag 3 PO 4 /AgBr composite as an efficient visible-light-driven photocatalyst. Materials Research Bulletin, 2018, 97, 189-194.	2.7	32
1292	Core/shell nanorods of MnO2/carbon embedded with Ag nanoparticles as high-performance electrode materials for supercapacitors. Chemical Engineering Journal, 2018, 331, 23-30.	6.6	47
1293	Nanoâ€engineered Diamondâ€based Materials for Supercapacitor Electrodes: A Review. Energy Technology, 2018, 6, 223-237.	1.8	36
1294	Electrochemical performance of Sn-doped Î´-MnO2 hollow nanoparticles for supercapacitors. Journal of Materials Science: Materials in Electronics, 2018, 29, 2689-2697.	1.1	11
1295	Hierarchical hollow MnO2 nanofibers with enhanced supercapacitor performance. Journal of Colloid and Interface Science, 2018, 513, 448-454.	5.0	93
1296	Two- and three-dimensional graphene-based hybrid composites for advanced energy storage and conversion devices. Journal of Materials Chemistry A, 2018, 6, 702-734.	5.2	126
1297	Unveiling the Structural Evolution of Ag_{1.2}Mn₈O₁₆ under Coulombically Controlled (De)Lithiation. Chemistry of Materials, 2018, 30, 366-375.	3.2	14
1298	Electrochemically Synthesis of Nickel Cobalt Sulfide for Highâ€Performance Flexible Asymmetric Supercapacitors. Advanced Science, 2018, 5, 1700375.	5.6	141

#	Article	IF	Citations
1299	Oneâ€Step Synthesis of B/N Coâ€doped Graphene as Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction: Synergistic Effect of Impurities. Chemistry - A European Journal, 2018, 24, 928-936.	1.7	26
1300	Morphology-controlled synthesis of Bi2S3 nanorods-reduced graphene oxide composites with high-performance for electrochemical detection of dopamine. Sensors and Actuators B: Chemical, 2018, 257, 936-943.	4.0	58
1302	A comparison of the Electrochemical Properties of graphene/Mn3O4 Composites fabricated by two Different Methods. International Journal of Electrochemical Science, 2018, 13, 2462-2473.	0.5	11
1303	Mixed-Phase MnO2/N-Containing Graphene Composites Applied as Electrode Active Materials for Flexible Asymmetric Solid-State Supercapacitors. Nanomaterials, 2018, 8, 924.	1.9	12
1304	Hierarchical Petal-on-Petal MnO₂/Vertical Graphene Foam for Postplasma Catalytic Decomposition of Toluene with High Efficiency and Ultralow Pressure Drop. Industrial & Engineering Chemistry Research, 0, , .	1.8	3
1305	Unexpected Stabilization ofÎ±-Ni(OH)₂Nanoparticles in GO Nanocomposites. Journal of Nanomaterials, 2018, 2018, 1-13.	1.5	10
1306	Fast and Scalable Hydrodynamic Synthesis of MnO₂/Defect-Free Graphene Nanocomposites with High Rate Capability and Long Cycle Life. ACS Applied Materials & Interfaces, 2018, 10, 35250-35259.	4.0	34
1307	Microwave-Assisted Synthesis of N-Doped Graphene-Wrapped MnO2 Nanoflowers. Journal of Electronic Materials, 2018, 47, 7288-7295.	1.0	10
1308	Symmetric supercapacitor performances of CaCu3Ti4O12 decorated polyaniline nanocomposite. Electrochimica Acta, 2018, 292, 558-567.	2.6	28
1309	Waterâ€“Holey-Graphene Interactions: Route to Highly Enhanced Water-Accessible Graphene Surface Area. ACS Applied Nano Materials, 2018, 1, 5907-5919.	2.4	6
1310	The effect of electro-polymerization method on supercapacitive properties of poly (o-Anisidine)/CNT nanocomposites. Synthetic Metals, 2018, 246, 16-22.	2.1	5
1311	Successful synthesis of interconnected Co0.85Se nanosheets with high pore volume and its electrochemical performance in supercapacitors. Journal of Materials Science: Materials in Electronics, 2018, 29, 20564-20572.	1.1	3
1312	Hierarchical MnS2-MoS2 nanotubes with efficient electrochemical performance for energy storage. Materials and Design, 2018, 160, 1071-1079.	3.3	19
1313	Fabrication of Metallic Nickelâ€“Cobalt Phosphide Hollow Microspheres for High-Rate Supercapacitors. Journal of Physical Chemistry C, 2018, 122, 25174-25182.	1.5	69
1314	Graphene Oxide/Î±-MnO₂ Binary Nanosheets Based Non-Enzymatic Biosensor for Pico-Molar Level Electrochemical Detection of Biomarker (Guanine) in DNA Sample. Journal of the Electrochemical Society, 2018, 165, B651-B658.	1.3	26
1315	Improving Functional Behavior of MCMâ€41 by Encapsulating MnO 2 Nanorods towards Simultaneous Determination of Purine Bases in DNA Samples. Electroanalysis, 2018, 30, 2959-2966.	1.5	2
1316	Mesostructured Carbon Nanotube-on-MnO₂ Nanosheet Composite for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 38963-38969.	4.0	65
1317	Electrodeposition of silver (Ag) nanoparticles on MnO2 nanorods for fabrication of highly conductive and flexible paper electrodes for energy storage application. Journal of Materials Science: Materials in Electronics, 2018, 29, 20588-20594.	1.1	9

#	Article	IF	Citations
1318	Green synthesis of manganese nanoparticles: Applications and future perspectiveâ€“A review. Journal of Photochemistry and Photobiology B: Biology, 2018, 189, 234-243.	1.7	116
1319	Synergistic Combination of Pd and Co Catalyst Nanoparticles over Self-Designed MnO₂Structure: Green Synthetic Approach and Unprecedented Electrode Kinetics in Direct Ethanol Fuel Cell. ACS Sustainable Chemistry and Engineering, 2018, 6, 13706-13718.	3.2	15
1320	A novel MnO2/Ti3C2Tx MXene nanocomposite as high performance electrode materials for flexible supercapacitors. Electrochimica Acta, 2018, 290, 695-703.	2.6	146
1321	Excellent Supercapacitor Performance of Robust Nickelâ€“Organic Framework Materials Achieved by Tunable Porosity, Inner-Cluster Redox, and in Situ Fabrication with Graphene Oxide. Crystal Growth and Design, 2018, 18, 6035-6045.	1.4	28
1322	A simple one-step approach for preparing flexible rGOâ€“MnO2 electrode material. Journal of Materials Science: Materials in Electronics, 2018, 29, 17438-17444.	1.1	2
1323	Manganese Oxide/Hemin-Functionalized Graphene as a Platform for Peroxynitrite Sensing. Journal of the Electrochemical Society, 2018, 165, G3133-G3140.	1.3	18
1324	CMK-3/NiCo2S4 nanostructures for high performance asymmetric supercapacitors. Materials Chemistry and Physics, 2018, 220, 270-277.	2.0	35
1325	Three-dimensional reduced-graphene/MnO₂ prepared by plasma treatment as high-performance supercapacitor electrodes. Materials Research Express, 2018, 5, 065504.	0.8	8
1326	Probing the electrical properties and energy storage performance of electrospun ZnMn2O4 nanofibers. Solid State Ionics, 2018, 321, 75-82.	1.3	40
1327	A lightweight, compressible and portable sponge-based supercapacitor for future power supply. Chemical Engineering Journal, 2018, 349, 509-521.	6.6	44
1328	Development of a Nanostructured Î±-MnO₂/Carbon Paper Composite for Removal of Ni²⁺/Mn²⁺ Ions by Electrosorption. ACS Applied Materials & Interfaces, 2018, 10, 19615-19625.	4.0	37
1329	LaMnO₃/RGO/PANI Ternary Nanocomposites for Supercapacitor Electrode Application and Their Outstanding Performance in All-Solid-State Asymmetrical Device Design. ACS Applied Energy Materials, 2018, 1, 2802-2812.	2.5	64
1330	All-carbon hybrids for high performance supercapacitors. International Journal of Energy Research, 2018, 42, 3575-3587.	2.2	43
1331	Facile synthesis of RuO2 nanoparticles anchored on graphene nanosheets for high performance composite electrode for supercapacitor applications. Journal of Physics and Chemistry of Solids, 2018, 121, 339-349.	1.9	76
1332	Aqueous Nanocoating Approach to Strong Natural Microfibers with Tunable Electrical Conductivity for Wearable Electronic Textiles. ACS Applied Nano Materials, 2018, 1, 2406-2413.	2.4	10
1333	Structural features, magnetic properties and photocatalytic activity of bismuth ferrite nanoparticles grafted on graphene nanosheets. New Journal of Chemistry, 2018, 42, 10712-10723.	1.4	40
1334	The role of sulfate in the chemical synthesis of graphene oxide. Materials Chemistry and Physics, 2018, 215, 203-210.	2.0	12
1335	Facile Synthesis of Flowerlike Bi₂MoO₆ Hollow Microspheres for High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2018, 6, 7355-7361.	3.2	55

#	Article	IF	Citations
1336	Synthesis of polyaniline/graphene/MoS2 nanocomposite for high performance supercapacitor electrode. Polymer, 2018, 150, 150-158.	1.8	89
1337	Enhancement of Î²-phase crystallization and electrical properties of PVDF by impregnating ultra high diluted novel metal derived nanoparticles: prospect of use as a charge storage device. Journal of Materials Science: Materials in Electronics, 2018, 29, 14535-14545.	1.1	13
1338	High-performance asymmetric supercapacitor assembled with three-dimensional, coadjacent graphene-like carbon nanosheets and its composite. Journal of Electroanalytical Chemistry, 2018, 823, 474-481.	1.9	18
1339	Graphene and Graphene Oxide for Fuel Cell Technology. Industrial & Engineering Chemistry Research, 2018, 57, 9333-9350.	1.8	134
1340	Carbon and Metal Oxides Based Nanomaterials for Flexible High Performance Asymmetric Supercapacitors. Springer Theses, 2018, , .	0.0	5
1341	Important effect of Pt modification at the collector/active material interface of flexible micro-supercapacitors. Applied Surface Science, 2018, 456, 410-418.	3.1	6
1342	General ion-exchanged method synthesized 3D heterostructured MCo2O4/Co3O4 nanocomposites (M=) Tj ETQq0 0 0 rgBT /Overlock 1	2.8	11
1343	Controlled synthesis of p-type NiO/n-type GO nanocomposite with enhanced photocatalytic activity and study of temperature effect on the photocatalytic activity of the nanocomposite. Applied Surface Science, 2018, 457, 417-426.	3.1	49
1344	Facile oneâ€step hydrothermal syntheses of graphene oxideâ€“MnO ₂ composite and their application in removing heavy metal ions. Micro and Nano Letters, 2018, 13, 1179-1184.	0.6	11
1345	Graphene a promising electrode material for supercapacitors-A review. International Journal of Energy Research, 2018, 42, 4284-4300.	2.2	111
1346	Flexible supercapacitor electrodes based on TiO2/rGO/TiO2 sandwich type hybrids. Ceramics International, 2018, 44, 4132-4141.	2.3	28
1347	Taking full advantage of KMnO4 in simplified Hummers method: A green and one pot process for the fabrication of alpha MnO2 nanorods on graphene oxide. Chemical Engineering Science, 2018, 192, 414-421.	1.9	24
1348	Exfoliated graphite containing metal oxides for high-performance pseudocapacitor applications. Journal of Alloys and Compounds, 2018, 769, 274-281.	2.8	6
1349	Graphene-assisted photothermal effect on promoting catalytic activity of layered MnO2 for gaseous formaldehyde oxidation. Applied Catalysis B: Environmental, 2018, 239, 77-85.	10.8	120
1350	Physical properties and potential applications of two-dimensional metallic transition metal dichalcogenides. Coordination Chemistry Reviews, 2018, 376, 1-19.	9.5	49
1351	Metal organic frameworks derived cobalt sulfide/reduced graphene oxide composites with fast reaction kinetic and excellent structural stability for sodium storage. Journal of Colloid and Interface Science, 2018, 532, 407-415.	5.0	36
1352	Vitamin B₁₂ supported on graphene oxide: As a bioâ€based catalyst for selective aerobic oxidation of alcohols. Applied Organometallic Chemistry, 2018, 32, e4510.	1.7	9
1353	Graphene photocatalysts. , 2018, , 79-101.		7

#	Article	IF	Citations
1354	Novel Hydrothermal Synthesis of CoS₂/MWCNT Nanohybrid Electrode for Supercapacitor: A Systematic Investigation on the Influence of MWCNT. Journal of Physical Chemistry C, 2018, 122, 18237-18246.	1.5	54
1355	Mn₃O₄/Nâ€Doped Graphite Catalysts from Wastewater for the Degradation of Methylene Blue. Chemistry - A European Journal, 2018, 24, 14554-14559.	1.7	9
1356	Reactive laser synthesis of nitrogen-doped hybrid graphene-based electrodes for energy storage. Journal of Materials Chemistry A, 2018, 6, 16074-16086.	5.2	26
1357	Temperature dependent magnetic behavior of Î±-Fe2O3/GO nanocomposites. AIP Conference Proceedings, 2018, , .	0.3	2
1358	Cutting-Processed Single-Wall Carbon Nanotubes with Additional Edge Sites for Supercapacitor Electrodes. Nanomaterials, 2018, 8, 464.	1.9	8
1359	NiMoO4 nanowire arrays and carbon nanotubes film as advanced electrodes for high-performance supercapacitor. Applied Surface Science, 2018, 458, 478-488.	3.1	45
1360	Hydrothermal Microwave Synthesis of MnO2 in the Presence of Melamine: The Role of Temperature and pH. Russian Journal of Inorganic Chemistry, 2018, 63, 708-713.	0.3	3
1361	Enhanced optical properties of Cu₂O anchored on reduced graphene oxide (rGO) sheets. Journal of Physics Condensed Matter, 2018, 30, 335703.	0.7	32
1362	A high-performance, all-textile and spirally wound asymmetric supercapacitors based on coreâ€“sheath structured MnO2 nanoribbons and cotton-derived carbon cloth. Electrochimica Acta, 2018, 285, 262-271.	2.6	63
1363	Facile synthesis of NiAl-LDH/MnO2 and NiFe-LDH/MnO2 composites for high-performance asymmetric supercapacitors. Journal of Alloys and Compounds, 2018, 768, 240-248.	2.8	64
1364	New insights into chemical and electrochemical functionalization of graphene oxide electrodes by o-phenylenediamine and their potential applications. Journal of Materials Science, 2018, 53, 15285-15297.	1.7	10
1365	Silica nanosphere supported palladium nanoparticles encapsulated with graphene: High-performance electrocatalysts for methanol oxidation reaction. Applied Surface Science, 2018, 452, 11-18.	3.1	39
1366	Hierarchical carbon composite nanofibrous electrode material for high-performance aqueous supercapacitors. Materials Chemistry and Physics, 2018, 214, 557-563.	2.0	15
1367	In-situ reduction synthesis of manganese dioxide@polypyrrole core/shell nanomaterial for highly efficient enrichment of U(VI) and Eu(III). Science China Chemistry, 2018, 61, 812-823.	4.2	84
1368	Development of 3D MoO3/graphene aerogel and sandwich-type polyaniline decorated porous MnO2â^graphene hybrid film based high performance all-solid-state asymmetric supercapacitors. Electrochimica Acta, 2018, 276, 47-63.	2.6	54
1369	Manganeseâ€Oxideâ€Based Electrode Materials for Energy Storage Applications: How Close Are We to the Theoretical Capacitance?. Advanced Materials, 2018, 30, e1802569.	11.1	94
1370	Effect of phosphorus on controlling and enhancing electrocatalytic performance of Niâ€“Pâ€“TiO2â€“MnO2 coatings. Journal of Electroanalytical Chemistry, 2018, 826, 104-116.	1.9	19
1371	High-quality and low-cost three-dimensional graphene from graphite flakes via carbocation-induced interlayer oxygen release. Nanoscale, 2018, 10, 17638-17646.	2.8	12

#	Article	IF	Citations
1372	Three-dimensional spongy framework as superlyophilic, strongly absorbing, and electrocatalytic polysulfide reservoir layer for high-rate and long-cycling lithium-sulfur batteries. Nano Research, 2018, 11, 6436-6446.	5.8	38
1373	Recent advancements in supercapacitor technology. Nano Energy, 2018, 52, 441-473.	8.2	1,228
1374	Composite Graphene/Semiconductor Nano-Structures for Energy Storage. , 2018, , 295-352.		1
1375	Polymer-based nanocomposites for energy and environmental applications. , 2018, , 185-203.		7
1376	Carbonâ€Quantumâ€Dotâ€Derived Nanostructured MnO₂ and Its Symmetrical Supercapacitor Performances. ChemistrySelect, 2018, 3, 8713-8723.	0.7	36
1377	Exploring Chemical, Mechanical, and Electrical Functionalities of Binders for Advanced Energy-Storage Devices. Chemical Reviews, 2018, 118, 8936-8982.	23.0	575
1378	Controlled synthesis of ordered sandwich CuCo2O4/reduced graphene oxide composites via layer-by-layer heteroassembly for high-performance supercapacitors. Chemical Engineering Journal, 2018, 350, 627-636.	6.6	51
1379	Co3O4@CoNi-LDH core/shell nanosheet arrays for high-performance battery-type supercapacitors. Chemical Engineering Journal, 2018, 350, 551-558.	6.6	176
1380	Structural and electrochemical studies of Scheelite type BiVO4 nanoparticles: synthesis by simple hydrothermal method. Journal of Materials Science: Materials in Electronics, 2018, 29, 13265-13276.	1.1	40
1381	Facile solvothermal synthesis of ZnCo2O4/MnO2 nanosheets composite with enhanced electrochemical properties as supercapacitor electrodes. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	12
1382	Synthesis of Graphene-like Films by Electrochemical Reduction of Polyhalogenated Aromatic Compounds and their Electrochemical Capacitor Applications. Langmuir, 2018, 34, 7958-7970.	1.6	16
1383	Effect of Humidity and Water Intercalation on the Tribological Behavior of Graphene and Graphene Oxide. ACS Applied Materials & Interfaces, 2018, 10, 22537-22544.	4.0	84
1384	A review of the preparation and applications of MnO2 composites in formaldehyde oxidation. Journal of Industrial and Engineering Chemistry, 2018, 66, 126-140.	2.9	53
1385	Tuning the Surface Morphology and Pseudocapacitance of MnO₂by a Facile Green Method Employing Organic Reducing Sugars. ACS Applied Energy Materials, 2018, 1, 3654-3664.	2.5	21
1386	Metal oxide nanoparticle-modified graphene oxide for removal of elemental mercury. Environmental Technology (United Kingdom), 2019, 40, 3602-3610.	1.2	7
1387	Enhanced electrochemical performance of hyperbranched poly(amidographene). Energy Storage Materials, 2019, 16, 281-289.	9.5	5
1388	In-situ bonding technology and excellent anticorrosion activity of graphene oxide / hydroxyapatite nanocomposite pigment. Dyes and Pigments, 2019, 160, 109-118.	2.0	51
1389	Scalable exfoliation and activation of graphite into porous graphene using microwaves for highâ€“performance supercapacitors. Journal of Alloys and Compounds, 2019, 770, 458-465.	2.8	15

#	Article	IF	Citations
1390	Hierarchical nanocarbon-MnO2 electrodes for enhanced electrochemical capacitor performance. Energy Storage Materials, 2019, 16, 607-618.	9.5	39
1391	MWCNT/activated-carbon freestanding sheets: a different approach to fabricate flexible electrodes for supercapacitors. Ionics, 2019, 25, 265-273.	1.2	14
1392	Metal oxide/graphene composite anode materials for sodium-ion batteries. Energy Storage Materials, 2019, 16, 434-454.	9.5	156
1393	Enzymatic in situ synthesis of graphene oxide/polypyrrole composites by peroxidase and their electrical capacitance. Canadian Journal of Chemical Engineering, 2019, 97, 869-875.	0.9	3
1394	Poly(3,4â€Propylenedioxythiophene) Capsulated Yolkâ€“Shell Carbon Spheres for Highâ€Performance Electrochemical Capacitors. Polymer Composites, 2019, 40, 1989-1999.	2.3	9
1395	Facile one-step hydrothermal synthesis of PEDOT:PSS/MnO2 nanorod hybrids for high-rate supercapacitor electrode materials. Ionics, 2019, 25, 685-695.	1.2	27
1396	Metal-doped graphene nanocomposites and their application in energy storage. , 2019, , 109-120.		1
1397	Ultra-high discharged energy density in PVDF based composites through inducing MnO2 particles with optimized geometric structure. Nano Energy, 2019, 65, 104007.	8.2	35
1398	Liquid phase reduction synthesis of a cobalt borideâ€“activated carbon composite with improved specific capacitance and retention rate as a new positive electrode material for supercapacitors. New Journal of Chemistry, 2019, 43, 14475-14484.	1.4	20
1399	Mechanoâ€Fentonâ€“Piranha Oxidation of Carbon Nanotubes for Energy Application. Advanced Sustainable Systems, 2019, 3, 1900065.	2.7	14
1400	A ternary MnO₂-deposited RGO/lignin-based porous carbon composite electrode for flexible supercapacitor applications. New Journal of Chemistry, 2019, 43, 14084-14092.	1.4	21
1401	Synthesis of Hierarchical Graphene-MnO2 Nanowire Composites with Enhanced Specific Capacitance. Asian Journal of Chemistry, 2019, 31, 1709-1718.	0.1	1
1402	One-step preparation of sepiolite/graphene oxide membrane for multifunctional oil-in-water emulsions separation. Applied Clay Science, 2019, 181, 105208.	2.6	34
1403	Synthesis, characterizations, and utilization of oxygen-deficient metal oxides for lithium/sodium-ion batteries and supercapacitors. Coordination Chemistry Reviews, 2019, 397, 138-167.	9.5	164
1404	Homogeneous Core/Shell NiMoO4@NiMoO4 and Activated Carbon for High Performance Asymmetric Supercapacitor. Nanomaterials, 2019, 9, 1033.	1.9	12
1405	Magnetic, Pseudocapacitive, and H₂O₂-Electrosensing Properties of Self-Assembled Superparamagnetic Co_{0.3}Zn_{0.7}Fe₂O₄with Enhanced Saturation Magnetization. ACS Omega, 2019, 4, 12632-12646.	1.6	6
1406	Controllable synthesis of MnO2 with different structures for supercapacitor electrodes. Journal of Electroanalytical Chemistry, 2019, 848, 113332.	1.9	24
1407	Enhanced supercapacitive performance of the CoFe₂O₄/CoFe₂S₄ composite nanoflake array induced by surface sulfidation. New Journal of Chemistry, 2019, 43, 13491-13498.	1.4	20

#	Article	IF	Citations
1408	Synthesis, Properties, and Applications of Graphene. , 2019, , 25-90.		10
1409	Selfâ€Limiting Galvanic Growth of MnO₂ Monolayers on a Liquid Metalâ€"Applied to Photocatalysis. Advanced Functional Materials, 2019, 29, 1901649.	7.8	129
1410	A new strategy for synthesis of hierarchical MnO2â€"Mn3O4 nanocomposite via reduction-induced exfoliation of MnO2 nanowires and its application in high-performance asymmetric supercapacitor. Composites Part B: Engineering, 2019, 178, 107501.	5.9	43
1411	Silver Nanoparticles-Decorating Manganese Oxide Hybrid Nanostructures for Supercapacitor Applications. Langmuir, 2019, 35, 14203-14212.	1.6	24
1414	An electrochemical strategy to fabricate MnOx thin film from spent batteries for pseudocapacitive applications. Electrochimica Acta, 2019, 328, 135061.	2.6	7
1415	Preparation and Pseudo-capacitance Performance of NiCo2O4 Nanosheets. Chemical Research in Chinese Universities, 2019, 35, 957-961.	1.3	13
1416	Hierarchical LiFe5O8@PPy core-shell nanocomposites as electrode materials for supercapacitors. Applied Surface Science, 2019, 470, 1043-1052.	3.1	48
1417	In situ self-assembly of SiO2 coating Co3O4/graphene aerogel and its enhanced electrochemical performance for supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 17218-17226.	1.1	6
1418	One-pot synthesis of activated porous graphitic carbon spheres with cobalt nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123884.	2.3	11
1419	Fabrication and properties of wide temperature domain pavement seaweed modified bio-bitumen. Construction and Building Materials, 2019, 227, 117079.	3.2	12
1420	Synergy of Mn and Co in Slab-Based Nanocomposites for Hybrid Supercapacitors: Impact of Restacking Process on Electrochemical Properties. ACS Applied Energy Materials, 2019, 2, 7832-7842.	2.5	16
1421	A cholesterol based imidazolium ionic liquid crystal: synthesis, characterisation and its dual application as an electrolyte and electrode material. New Journal of Chemistry, 2019, 43, 1063-1071.	1.4	6
1422	Synthesis of rGO/nanoclay/PVK nanocomposites, electrochemical performances of supercapacitors. Polymer-Plastics Technology and Materials, 2019, 58, 1481-1494.	0.6	3
1423	Promotive Effect of MWCNT on ZnCo₂O₄Hexagonal Plates and Their Application in Aqueous Asymmetric Supercapacitor. Journal of the Electrochemical Society, 2019, 166, A217-A224.	1.3	22
1424	Carbonâ€Based Metalâ€Free Catalysts for Energy Storage and Environmental Remediation. Advanced Materials, 2019, 31, e1806128.	11.1	188
1425	Hydrothermal synthesis of manganese oxide and nitrogen doped graphene (NG-MnO₂) nanohybrid for visible light degradation of methyl orange dye. Molecular Physics, 2019, 117, 2477-2486.	0.8	6
1426	Carbon-supported Fe/Mn-based perovskite-type oxides boost oxygen reduction in bioelectrochemical systems. Carbon, 2019, 145, 716-724.	5.4	47
1427	Noble Metalâ€"Transition Metal Oxides/Hydroxides. , 2019, , 395-430.		3

#	Article	IF	Citations
1428	Synthesis of rGO/TiO2/PEDOT nanocomposites, supercapacitor device performances and equivalent electrical circuit models. Journal of Polymer Research, 2019, 26, 1.	1.2	20
1429	Co3O4 nanocrystals grown on graphene nanosheets for high-performance supercapacitor with excellent rate capability. Journal of Sol-Gel Science and Technology, 2019, 89, 634-640.	1.1	3
1430	Facile synthesis of MnO2 nanorods grown on porous carbon for supercapacitor with enhanced electrochemical performance. Journal of Colloid and Interface Science, 2019, 540, 466-475.	5.0	23
1431	Rapid synthesis of Ni(OH)₂/graphene nanosheets and NiO@Ni(OH)₂/graphene nanosheets for supercapacitor applications. New Journal of Chemistry, 2019, 43, 3091-3098.	1.4	30
1432	Water-dispersible grapheneâ€“wrapped MnO2 nanospheres and their applications in coin cell supercapacitors. Ionics, 2019, 25, 4425-4436.	1.2	4
1433	Direct oxidative esterification of primary alcohols and oxidation of secondary alcohols over mesoporous spherical silica encapsulated MnO₂nanoparticles. New Journal of Chemistry, 2019, 43, 9491-9499.	1.4	3
1434	Hierarchical Fe3O4@carbon@MnO2 hybrid for electromagnetic wave absorber. Journal of Colloid and Interface Science, 2019, 553, 465-474.	5.0	121
1435	Electrochemical Deposition of MnO2/RGO Nanocomposite Thin Film: Enhanced Supercapacitor Behavior. Journal of Electronic Materials, 2019, 48, 5813-5820.	1.0	22
1436	Simple Synthesis of Flower-like Manganese Dioxide Nanostructures on Cellulose Nanocrystals for High-Performance Supercapacitors and Wearable Electrodes. ACS Sustainable Chemistry and Engineering, 2019, 7, 11823-11831.	3.2	35
1437	Electrocapacitive behavior of colloidal nanocrystal assemblies of manganese ferrite in multivalent ion electrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 572, 326-332.	2.3	4
1438	Supercapacitor performance of MnO2/NiCo2O4@N-MWCNT hybrid nanocomposite electrodes. Journal of Sol-Gel Science and Technology, 2019, 91, 154-164.	1.1	19
1439	A Hostâ€“Guest Supercapacitor Electrode Material Based on a Mixed Hexa-Transition Metal Sandwiched Arsenotungstate Chain and Three-Dimensional Supramolecular Metalâ€“Organic Networks with One-Dimensional Cavities. Inorganic Chemistry, 2019, 58, 7947-7957.	1.9	40
1440	Hierarchical assembly of manganese dioxide nanosheets on one-dimensional titanium nitride nanofibers for high-performance supercapacitors. Journal of Colloid and Interface Science, 2019, 552, 712-718.	5.0	25
1441	One-pot synthesize Al-doped Î±-Ni(OH)2/reduced graphene oxide composite for high-performance asymmetric supercapacitors. Journal of Alloys and Compounds, 2019, 799, 529-537.	2.8	18
1442	Simultaneous voltammetric determination of guanine and adenine using MnO2 nanosheets and ionic liquid-functionalized graphene combined with a permeation-selective polydopamine membrane. Mikrochimica Acta, 2019, 186, 450.	2.5	51
1443	Developing an electrochemical sensor for the detection of tert-butylhydroquinone. Sensors and Actuators B: Chemical, 2019, 293, 321-328.	4.0	43
1444	Therapeutic and diagnostic potential of nanomaterials for enhanced biomedical applications. Colloids and Surfaces B: Biointerfaces, 2019, 180, 411-428.	2.5	155
1445	Removal of chlorpheniramine and variations of nitrosamine formation potentials in municipal wastewaters by adsorption onto the GO-Fe3O4. Environmental Science and Pollution Research, 2019, 26, 20701-20711.	2.7	12

#	Article	IF	Citations
1446	Multifunctional low temperature reduced graphite oxides for high performance supercapacitors and SERS applications. Materials Research Express, 2019, 6, 085527.	0.8	6
1447	Pseudocapacitive Storage in Nanolayered Ti₂NT_xMXene Using Mg-Ion Electrolyte. ACS Applied Nano Materials, 2019, 2, 2785-2795.	2.4	92
1448	Evaluation of self-cleaning performance of the modified g-C3N4 and GO based PVDF membrane toward oil-in-water separation under visible-light. Chemosphere, 2019, 230, 40-50.	4.2	107
1449	Surface Engineering of Graphene Oxide Shells Using Lamellar LDH Nanostructures. ACS Applied Materials & Interfaces, 2019, 11, 20232-20240.	4.0	49
1450	A â€œnon-dynamicalâ€•way of describing room-temperature paramagnetic manganese oxide. Physical Chemistry Chemical Physics, 2019, 21, 15932-15939.	1.3	6
1451	Synthesis and electrochemical properties of Co3O4-rGO/CNTs composites towards highly sensitive nitrite detection. Applied Surface Science, 2019, 485, 274-282.	3.1	82
1452	Functionalized Carbon Materials for Electronic Devices: A Review. Micromachines, 2019, 10, 234.	1.4	81
1453	Formation of ultra-small Mn3O4 nanoparticles trapped in nanochannels of hollow carbon spheres by nanoconfinement with excellent supercapacitor performance. International Journal of Hydrogen Energy, 2019, 44, 13675-13683.	3.8	17
1454	Ion beam modified molybdenum disulfide-reduced graphene oxide/ polypyrrole nanotubes ternary nanocomposite for hybrid supercapacitor electrode. Electrochimica Acta, 2019, 312, 392-410.	2.6	23
1455	Facile Synthesis of 4-Methylaniline Reduced Graphene Oxide/Polyaniline Composite for Supercapacitors. Journal of Electronic Materials, 2019, 48, 4463-4472.	1.0	5
1456	Fabrication of Cu2O-RGO/BiVO4 nanocomposite for simultaneous photocatalytic CO2 reduction and benzyl alcohol oxidation under visible light. Inorganic Chemistry Communication, 2019, 104, 171-177.	1.8	47
1457	Facile One-Pot Synthesis of LiMnO2 Nanowire-Graphene Nanoplatelet Composites and Their Applications in Battery-Like Electrodes for High Performance Electrochemical Capacitors. Journal of Electronic Materials, 2019, 48, 4240-4247.	1.0	2
1458	Graphene wrapped MXene via plasma exfoliation for all-solid-state flexible supercapacitors. Energy Storage Materials, 2019, 20, 299-306.	9.5	108
1459	A simple paper-based aptasensor for ultrasensitive detection of lead (II) ion. Analytica Chimica Acta, 2019, 1071, 70-77.	2.6	61
1460	Sponge Effect Boosting Oxygen Reduction Reaction at the Interfaces between Mullite SmMn₂O₅ and Nitrogen-Doped Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2019, 11, 17482-17490.	4.0	18
1461	Reliability and long-term evaluation of GO-MnO2 nano material as a newer corrosion monitoring sensor for reinforced concrete structures. Cement and Concrete Composites, 2019, 100, 74-84.	4.6	28
1462	Cobalt ferrite supported on reduced graphene oxide as a T₂ contrast agent for magnetic resonance imaging. RSC Advances, 2019, 9, 6299-6309.	1.7	34
1463	A high performance solid-state asymmetric supercapacitor based on Anderson-type polyoxometalate-doped graphene aerogel. Research on Chemical Intermediates, 2019, 45, 3237-3250.	1.3	16

#	Article	IF	Citations
1464	Modified graphene oxide as manganese oxide support for bisphenol A degradation. Chemosphere, 2019, 225, 524-534.	4.2	17
1465	Laser-Assisted Printed Flexible Sensors: A Review. Sensors, 2019, 19, 1462.	2.1	50
1466	Functional graphene film macroscopic assemblies for flexible supercapacitor application. Journal of Physics: Conference Series, 2019, 1168, 022071.	0.3	1
1467	Effect of two-step doping pathway on the morphology, structure, composition, and electrochemical performance of three-dimensional N,S-codoped graphene framework. Journal of Materials Research, 2019, 34, 1993-2002.	1.2	8
1468	Enhanced rate capability of pseudocapacitive CuO by incorporation of Li for excellent composite electrode. Journal of Electroanalytical Chemistry, 2019, 839, 160-165.	1.9	5
1469	Preparation of Hierarchical Porous Carbon Based on CornStraw Carbon Nanofiber as an Efficient Electrode Material for Supercapacitors. International Journal of Electrochemical Science, 2019, 14, 4020-4031.	0.5	0
1470	The synthesis of rGO, rGO/RuO2 and rGO/RuO2/PVK nanocomposites, and their supercapacitors. Journal of Alloys and Compounds, 2019, 787, 851-864.	2.8	31
1471	Microwave synthesis of MoO3-reduced graphene oxide nanocomposite for high performance asymmetric supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 3618-3628.	1.1	16
1472	Co₃O₄/rGO Catalysts for Oxygen Electrocatalysis: On the Role of the Oxide/Carbon Interaction. Journal of the Electrochemical Society, 2019, 166, H94-H102.	1.3	18
1473	Effect of polydopamine-modified reduced graphene oxides on the catalytic activity of Pt nanoparticles catalysts for fuel cell electrodes. Carbon Letters, 2019, 29, 47-55.	3.3	10
1474	Heat generation in all-solid-state supercapacitors with graphene electrodes and gel electrolytes. Electrochimica Acta, 2019, 303, 341-353.	2.6	17
1475	Substantial effect of Pd incorporation in MnO2 synthesized by spray pyrolysis on MWCNTs/Ta electrode for better H2O2 sensitivity. Ceramics International, 2019, 45, 3782-3790.	2.3	8
1476	Single step sol-gel synthesized Mn2O3-TiO2 decorated graphene for the rapid and selective ultra sensitive electrochemical sensing of dopamine. Electrochimica Acta, 2019, 302, 291-300.	2.6	32
1477	Biotemplate derived three dimensional nitrogen doped graphene@MnO2 as bifunctional material for supercapacitor and oxygen reduction reaction catalyst. Journal of Colloid and Interface Science, 2019, 544, 155-163.	5.0	63
1478	Enhanced electrochemical performance of Sn-doped MnO2 and study on morphology evolution. Journal of Alloys and Compounds, 2019, 788, 302-310.	2.8	27
1479	Novel mesoporous electrode materials for symmetric, asymmetric and hybrid supercapacitors. Nanotechnology, 2019, 30, 202001.	1.3	75
1480	The NH₄F-induced morphology control of hierarchical CoO@MnO₂ coreâ€“shell arrays for high performance supercapacitor electrodes. CrystEngComm, 2019, 21, 7468-7475.	1.3	22
1481	Development of pristine and Au-decorated Bi₂O₃/Bi₂WO₆nanocomposites for supercapacitor electrodes. RSC Advances, 2019, 9, 32573-32580.	1.7	23

#	Article	IF	Citations
1482	Graphene as a nanofiller for enhancing the tribological properties and thermal conductivity of base grease. RSC Advances, 2019, 9, 42481-42488.	1.7	13
1483	A facile dissolved and reassembled strategy towards sandwich-like rGO@NiCoAl-LDHs with excellent supercapacitor performance. Chemical Engineering Journal, 2019, 356, 955-963.	6.6	118
1484	Performance Analysis of Silver-Based Graphene Nanocomposite Bulk Materials Obtained by Spark Plasma Sintering. Jom, 2019, 71, 541-547.	0.9	2
1485	Copper substituted nickel ferrite nanoparticles anchored onto the graphene sheets as electrode materials for supercapacitors fabrication. Ceramics International, 2019, 45, 6759-6766.	2.3	62
1486	Manganese dioxide/ reduced graphene oxide composite an electrode material for high-performance solid state supercapacitor. Electrochimica Acta, 2019, 299, 34-44.	2.6	86
1487	Cuprous oxide nanocubes decorated reduced graphene oxide nanosheets embedded in chitosan matrix: A versatile electrode material for stable supercapacitor and sensing applications. Journal of Electroanalytical Chemistry, 2019, 834, 187-195.	1.9	35
1488	Electron Paramagnetic Resonance Investigation of the Structure of Graphene Oxide: pH-Dependence of the Spectroscopic Response. ACS Applied Nano Materials, 2019, 2, 19-27.	2.4	30
1489	Synthesis of sulfonated graphene/carbon nanotubes/manganese dioxide composite with high electrochemical properties. Ionics, 2019, 25, 999-1006.	1.2	9
1490	Synthesis of amorphous MnSiO3/graphene oxide with excellent electrochemical performance as supercapacitor electrode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 93-100.	2.3	31
1491	Oxygen-enriched crumpled graphene-based symmetric supercapacitor with high gravimetric and volumetric performances. Journal of Electroanalytical Chemistry, 2019, 833, 119-125.	1.9	21
1492	Graphene-Based Electrochemical Supercapacitors. Interface Science and Technology, 2019, 27, 339-386.	1.6	35
1493	Modification of poly(vinylidene fluoride) membranes with aluminum oxide nanowires and graphene oxide nanosheets for oilâ€“water separation. Journal of Applied Polymer Science, 2019, 136, 47493.	1.3	18
1494	Sustainable fabrication of graphene oxide/manganese oxide composites for removing phenolic compounds by adsorption-oxidation process. Journal of Cleaner Production, 2019, 215, 165-174.	4.6	20
1495	Rapid synthesis of hexagonal NiCo2O4 nanostructures for high-performance asymmetric supercapacitors. Electrochimica Acta, 2019, 299, 509-517.	2.6	133
1496	Preparation of ternary Pd/CeO2-nitrogen doped graphene composites as recyclable catalysts for solvent-free aerobic oxidation of benzyl alcohol. Applied Surface Science, 2019, 471, 852-861.	3.1	60
1497	Fluoro-functionalized graphene oxide/polyaniline composite electrode material for supercapacitors. Polymers and Polymer Composites, 2019, 27, 76-81.	1.0	6
1498	Fe3O4 nanospheres in situ decorated graphene as high-performance anode for asymmetric supercapacitor with impressive energy density. Journal of Colloid and Interface Science, 2019, 536, 235-244.	5.0	89
1499	Low-cost nitrogen-doped activated carbon prepared by polyethylenimine (PEI) with a convenient method for supercapacitor application. Electrochimica Acta, 2019, 294, 183-191.	2.6	78

#	Article	IF	Citations
1500	Synthesis of BixMoyOz/BiaWbOc nanocomposite by pH tuning with high electrochemical performance. Journal of Electroanalytical Chemistry, 2019, 832, 303-310.	1.9	7
1501	Electrodeposition of alginateâ€“MnO2â€“C composite film on the carbon ionic liquid electrode for the direct electrochemistry and electrocatalysis of myoglobin. Polymer Bulletin, 2019, 76, 3971-3987.	1.7	4
1502	Graphene oxide/Fe2O3 nanoplates supported Pt for enhanced room-temperature oxidation of formaldehyde. Applied Surface Science, 2019, 467-468, 277-285.	3.1	72
1503	Preparation of 4â€Methylaniline Reduced Graphene Oxide/Polyaniline Composite by Oneâ€pot Method: The Effect of Aniline Amount on the Microstructure and Electrochemical Performance. Polymer Composites, 2019, 40, E877.	2.3	1
1504	Strategies and insights towards the intrinsic capacitive properties of MnO2 for supercapacitors: Challenges and perspectives. Nano Energy, 2019, 57, 459-472.	8.2	232
1505	Redox-Mediated Shape Transformation of Fe₃O₄ Nanoflakes to Chemically Stable Auâ^'Fe₂O₃ Composite Nanorods for a High-Performance Asymmetric Solid-State Supercapacitor Device. ACS Sustainable Chemistry and Engineering, 2019, 7, 724-733.	3.2	35
1506	Graphene Oxide Hybrid with Sulfurâ€“Nitrogen Polymer for High-Performance Pseudocapacitors. Journal of the American Chemical Society, 2019, 141, 482-487.	6.6	61
1507	Mass preparation and anticorrosion mechanism of highly triple-effective corrosion inhibition performance for co-modified zinc phosphate-based pigments. Dyes and Pigments, 2019, 161, 489-499.	2.0	28
1508	Facile preparation of unique three-dimensional (3D) Î±-MnO2/MWCNTs macroporous hybrid as the high-performance cathode of rechargeable Li-O2 batteries. Nano Research, 2019, 12, 69-75.	5.8	12
1509	Tin sulfide: Reduced graphene oxide nanocomposites for photovoltaic and electrochemical applications. Solar Energy Materials and Solar Cells, 2019, 189, 53-62.	3.0	29
1510	Facile synthesis of homogeneous core-shell Co3O4 mesoporous nanospheres as high performance electrode materials for supercapacitor. Journal of Alloys and Compounds, 2019, 774, 137-144.	2.8	60
1511	Synthesis of Ti2CT MXene as electrode materials for symmetric supercapacitor with capable volumetric capacitance. Journal of Energy Chemistry, 2019, 31, 11-18.	7.1	94
1512	High capacitive rGO/WO3 nanocomposite: the simplest and fastest route of preparing it. Applied Nanoscience (Switzerland), 2020, 10, 165-175.	1.6	19
1513	Three dimensional NiS2â€“Ni(OH)2/CNT nanostructured assembly for supercapacitor and oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 812, 152126.	2.8	39
1514	Improved electrochemical performance of graphene oxide supported vanadomanganate (IV) nanohybrid electrode material for supercapacitors. Ceramics International, 2020, 46, 3028-3035.	2.3	16
1515	Hierarchical Mn₃O₄ Anchored on 3D Graphene Aerogels via Câ^'Oâ^'Mn Linkage with Superior Electrochemical Performance for Flexible Asymmetric Supercapacitor. Chemistry - A European Journal, 2020, 26, 9314-9318.	1.7	15
1516	Ultrafine MoO3 anchored in coal-based carbon nanofibers as anode for advanced lithium-ion batteries. Carbon, 2020, 156, 445-452.	5.4	84
1517	Fabrication of novel magnetic chitosan/graphene-oxide/metal oxide nanocomposite beads for Cr(VI) adsorption. Chemical Papers, 2020, 74, 529-541.	1.0	22

#	Article	IF	Citations
1518	Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors. Advanced Functional Materials, 2020, 30, 1902564.	7.8	252
1519	Potassium pre-inserted K1.04Mn8O16 as cathode materials for aqueous Li-ion and Na-ion hybrid capacitors. Journal of Energy Chemistry, 2020, 46, 53-61.	7.1	40
1520	Adsorption of organic including pharmaceutical and inorganic contaminants in water toward graphene-based materials. , 2020, , 93-113.		4
1521	3D hierarchical transition-metal sulfides deposited on MXene as binder-free electrode for high-performance supercapacitors. Journal of Industrial and Engineering Chemistry, 2020, 82, 309-316.	2.9	105
1522	Hydrogen storage mechanism in transition metal decorated graphene oxide: The symbiotic effect of oxygen groups and high layer spacing. International Journal of Hydrogen Energy, 2020, 45, 6713-6726.	3.8	20
1523	Heterostructured Hybrid rGO@Î±â€MnO₂/rGO@Î²â€MnO₂ Nanoflower: An Efficient Catalyst for Aerobic Solventâ€Free Nâ€Alkylation Reactions and Energy Storage Material. ChemCatChem, 2020, 12, 1617-1629.	1.8	19
1524	A new generation of energy storage electrode materials constructed from carbon dots. Materials Chemistry Frontiers, 2020, 4, 729-749.	3.2	70
1525	Reduced graphene oxide/silver nanohybrid as a multifunctional material for antibacterial, anticancer, and SERS applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	27
1526	Efficient and rapid removal of Pb2+ from water by magnetic Fe3O4@MnO2 core-shell nanoflower attached to carbon microtube: Adsorption behavior and process study. Journal of Colloid and Interface Science, 2020, 563, 218-228.	5.0	53
1527	MOF-derived Ni-doped CoP@C grown on CNTs for high-performance supercapacitors. Chemical Engineering Journal, 2020, 385, 123454.	6.6	155
1528	Enhanced capacity and significant rate capability of Mn3O4/reduced graphene oxide nanocomposite as high performance anode material in lithium-ion batteries. Applied Surface Science, 2020, 505, 144629.	3.1	38
1529	A Quasi-Solid-State Asymmetric Supercapacitor Device Based on Honeycomb-like Nickelâ€“Copperâ€“Carbonateâ€“Hydroxide as a Positive and Iron Oxide as a Negative Electrode with Superior Electrochemical Performances. ACS Applied Electronic Materials, 2020, 2, 177-185.	2.0	34
1530	Synthesis and Electrochemical Properties of Temperature-Induced Two Metalâ€“Organic Frameworks-Based Electrodes for Supercapacitor. Crystal Growth and Design, 2020, 20, 460-467.	1.4	15
1531	Synthesis of cobalt phosphate-graphene foam material via co-precipitation approach for a positive electrode of an asymmetric supercapacitors device. Journal of Alloys and Compounds, 2020, 818, 153332.	2.8	45
1532	Construction and Application of nanocellulose/graphene/MnO2 three-dimensional composites as potential electrode materials for supercapacitors. Journal of Materials Science: Materials in Electronics, 2020, 31, 1236-1246.	1.1	10
1533	Enhanced the thermal conductivity of flexible copper foil by introducing graphene. Materials and Design, 2020, 187, 108373.	3.3	29
1534	One-step electrochemical synthesis of MoS2/graphene composite for supercapacitor application. Journal of Solid State Electrochemistry, 2020, 24, 25-34.	1.2	91
1535	MOF-derived manganese oxide/carbon nanocomposites with raised capacitance for stable asymmetric supercapacitor. RSC Advances, 2020, 10, 34403-34412.	1.7	24

#	Article	IF	Citations
1536	Manganese dioxide nanosheet functionalized reduced graphene oxide as a compacted cathode matrix for lithiumâ€“sulphur batteries with a low electrolyte/sulphur ratio. Journal of Materials Chemistry A, 2020, 8, 21824-21832.	5.2	22
1537	Sonochemical synthesis of nanospherical TiO2 within graphene oxide nanosheets and its application as a photocatalyst and a Schottky diode. FlatChem, 2020, 22, 100180.	2.8	14
1538	Oneâ€step Preparation of Conducting Polymer/Metal Oxide Doped RGO Trinary Composite for Supercapacitor Applications. ChemistrySelect, 2020, 5, 11769-11777.	0.7	10
1539	Simultaneous stirring and microwave assisted synthesis of nanoflakes MnO2/rGO composite electrode material for symmetric supercapacitor with enhanced electrochemical performance. Diamond and Related Materials, 2020, 110, 108129.	1.8	55
1540	Graphene induced crystallinity and hydrous state variations of ruthenium oxide electrodes for superior energy storage performance. Electrochimica Acta, 2020, 360, 136995.	2.6	7
1541	Synergistic effects of nanocarbon spheres sheathed on a binderless CoMoO₄ electrode for high-performance asymmetric supercapacitor. Dalton Transactions, 2020, 49, 14506-14519.	1.6	22
1542	Manganeseoxide with rich oxygen vacancies based on plasma modification for high performance supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125254.	2.3	12
1543	Metal oxides nanostructure-based electrode materials for supercapacitor application. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	30
1544	Laser photonic-reduction stamping for graphene-based micro-supercapacitors ultrafast fabrication. Nature Communications, 2020, 11, 6185.	5.8	93
1545	Hierarchical binder-free MnO2/TiO2 composite nanostructure on flexible seed graphite felt for high-performance supercapacitors. Vacuum, 2020, 181, 109648.	1.6	22
1546	Binary Î±â€Fe₂O₃â€“Co₃O₄ nanostructures for advanced oxidation process: Role of synergy for enhanced catalysis. Applied Organometallic Chemistry, 2020, 34, e5920.	1.7	8
1547	Reduced graphene oxideâ€“silsesquioxane hybrid as a novel supercapacitor electrode. Nanoscale, 2020, 12, 18733-18741.	2.8	16
1548	Rapid and ultrasensitive detection of Salmonella typhimurium using a novel impedance biosensor based on SiO2@MnO2 nanocomposites and interdigitated array microelectrodes. Sensors and Actuators B: Chemical, 2020, 324, 128654.	4.0	30
1549	2D/3D heterostructure of h-BN/reduced graphite oxide as a remarkable electrode Material for supercapacitor. Journal of Power Sources, 2020, 479, 229092.	4.0	34
1550	Copper(II) complex intercalated graphene oxide nanocomposites as versatile, reusable catalysts for click reaction. Applied Organometallic Chemistry, 2020, 34, e6017.	1.7	13
1551	Synthesis of MnMoO4 Nanorods by a Simple Co-Precipitation Method in Presence of Polyethylene Glycol for Pseudocapacitor Application. International Journal of Electrochemical Science, 2020, 15, 7053-7063.	0.5	15
1552	The role of carbon nanotubes in enhanced charge storage performance of VSe₂: experimental and theoretical insight from DFT simulations. RSC Advances, 2020, 10, 31712-31719.	1.7	31
1553	Polypyrrole and polypyrrole@MnO₂ nanowires grown on graphene foam for asymmetric supercapacitor. Materials Express, 2020, 10, 1308-1316.	0.2	7

#	Article	IF	Citations
1554	Janus Conductive/Insulating Microporous Ion-Sieving Membranes for Stable Liâ€“S Batteries. ACS Nano, 2020, 14, 13852-13864.	7.3	74
1555	Metal Organic Framework Derived MnO2-Carbon Nanotubes for Efficient Oxygen Reduction Reaction and Arsenic Removal from Contaminated Water. Nanomaterials, 2020, 10, 1895.	1.9	6
1556	Nanoparticleâ€Based Electrodes with High Charge Transfer Efficiency through Ligand Exchange Layerâ€byâ€Layer Assembly. Advanced Materials, 2020, 32, e2001924.	11.1	22
1557	Visible-light-driven photo-enhanced zincâ€“air batteries using synergistic effect of different types of MnO₂ nanostructures. Catalysis Science and Technology, 2020, 10, 7352-7364.	2.1	20
1558	Solâ€“Gel synthesis of Co3O4 nanoparticles as an electrode material for supercapacitor applications. Journal of Sol-Gel Science and Technology, 2020, 96, 416-422.	1.1	53
1559	Electrode Materials for Supercapacitors: A Review of Recent Advances. Catalysts, 2020, 10, 969.	1.6	269
1560	New Limits for Stability of Supercapacitor Electrode Material Based on Graphene Derivative. Nanomaterials, 2020, 10, 1731.	1.9	20
1561	Facial synthesis of Al@MnO2 with enhanced microwave absorption and low infrared emissivity. Journal of Materials Science: Materials in Electronics, 2020, 31, 18791-18802.	1.1	11
1562	Synthesis of MnO2/ZSM-5 Molecular Sieve Composites activated by CO2 as Electrode Material for Supercapacitors. International Journal of Electrochemical Science, 2020, , 5782-5792.	0.5	1
1563	Shape-Controlled Metal Oxides for Selective Catalytic Oxidation. ACS Symposium Series, 2020, , 291-318.	0.5	2
1564	Nanostructured Graphene Oxide-Based Hybrids as Anodes for Lithium-Ion Batteries. Journal of Carbon Research, 2020, 6, 81.	1.4	8
1565	Spinel-Type (FeCoCrMnZn)3O4 High-Entropy Oxide: Facile Preparation and Supercapacitor Performance. Materials, 2020, 13, 5798.	1.3	44
1566	Facile fabrication of comb-like porous NiCo2O4 nanoneedles on Ni foam as an advanced electrode for high-performance supercapacitor. International Journal of Hydrogen Energy, 2020, 45, 32343-32354.	3.8	33
1567	Mulberryâ€Like Coreâ€Shell Structured C@MnO 2 as Electrode Material for Liâ€“Ion Batteries and Pseudoâ€Capacitors. ChemistrySelect, 2020, 5, 5657-5664.	0.7	5
1568	Intercalation pseudocapacitance in electrochemical energy storage: recent advances in fundamental understanding and materials development. Materials Today Advances, 2020, 7, 100072.	2.5	119
1569	Highly Active Bifunctional Oxygen Electrocatalytic Sites Realized in Ceriaâ€“Functionalized Graphene. Advanced Sustainable Systems, 2020, 4, 2000048.	2.7	8
1570	Co3O4@MnMoO4 Nanorod Clusters as an Electrode Material for Superior Supercapacitors. International Journal of Electrochemical Science, 2020, 15, 2776-2791.	0.5	7
1571	A Selfâ€Cleaning Heterostructured Membrane for Efficient Oilâ€inâ€Water Emulsion Separation with Stable Flux. Advanced Materials, 2020, 32, e2001265.	11.1	144

#	Article	IF	Citations
1572	Metal Oxideâ€“Based Nanocomposites as Antimicrobial and Biomedical Agents. , 2020, , 287-323.		11
1573	Application of EIS and transmission line model to study the effect of arrangement of graphene on electromagnetic shielding and cathodic protection performance of zinc-rich waterborne epoxy coatings. International Journal of Electrochemical Science, 2020, 15, 4089-4101.	0.5	7
1574	Novel flexible solid-state pseudo-parallel pseudocapacitor with manganese oxide active material synthesized using electrodeposition. Journal of Alloys and Compounds, 2020, 843, 156017.	2.8	23
1575	Microwave exfoliated graphene-based materials for flexible solid-state supercapacitor. Journal of Molecular Structure, 2020, 1220, 128710.	1.8	23
1576	Relationship Between Oxygen-Containing Groups and Acidity of Graphene Oxide Supported Mn-Based SCR Catalysts and the Effects on the Catalytic Activity. Catalysis Letters, 2020, 150, 3243-3255.	1.4	14
1577	MnOx nanosheets anchored on a bio-derived porous carbon framework for high-performance asymmetric supercapacitors. Applied Surface Science, 2020, 527, 146842.	3.1	20
1578	A large areal capacitance structural supercapacitor with a 3D rGO@MnO₂ foam electrode and polyacrylic acidâ€“Portland cementâ€“KOH electrolyte. Journal of Materials Chemistry A, 2020, 8, 12586-12593.	5.2	43
1579	Tailoring eletronic structure of Pd nanoparticles via MnO2 as electron transfer intermediate for enhanced hydrogen evolution reaction. Chemical Physics Letters, 2020, 748, 137405.	1.2	5
1580	One-step synthesis of ultra-small Fe2O3 nanoparticles on carbon nanotubes at a low temperature as a high-performance anode for supercapacitors. Ionics, 2020, 26, 5211-5219.	1.2	15
1581	Facile Synthesis of Modified MnO₂/Reduced Graphene Oxide Nanocomposites and their Application in Supercapacitors. Nano, 2020, 15, 2050099.	0.5	8
1582	Formation and trapping of CO2 due to the decomposition of amide solvents during the chemical reduction of graphene oxide by using the solvothermal method. Diamond and Related Materials, 2020, 108, 107966.	1.8	8
1583	Low temperature synthesis of MnO2 nanostructures for supercapacitor application. Materials Science for Energy Technologies, 2020, 3, 566-574.	1.0	33
1584	Electrode materials for supercapacitors. , 2020, , 35-204.		8
1585	Synthesis and characterization of CuS, CuS/graphene oxide nanocomposite for supercapacitor applications. AIP Advances, 2020, 10, .	0.6	24
1586	Graphene based ceria nanocomposite synthesized by hydrothermal method for enhanced supercapacitor performance. Diamond and Related Materials, 2020, 105, 107808.	1.8	20
1587	PANI//MoO3 Fiber-shaped Asymmetric Supercapacitors with Roll-type Configuration. Fibers and Polymers, 2020, 21, 465-472.	1.1	8
1588	Fabrication of an (Î±-Mn₂O₃:Co)-decorated CNT highly sensitive screen printed electrode for the optimization and electrochemical determination of cyclobenzaprine hydrochloride using response surface methodology. RSC Advances, 2020, 10, 24985-24993.	1.7	16
1589	Synthesis and Characterization of a NiCo2O4@NiCo2O4 Hierarchical Mesoporous Nanoflake Electrode for Supercapacitor Applications. Nanomaterials, 2020, 10, 1292.	1.9	35

#	Article	IF	Citations
1590	Hydrothermal synthesis of rGO-Bi2WO6 heterostructure for the photocatalytic degradation of levofloxacin. Optical Materials, 2020, 107, 110126.	1.7	49
1591	Manganese oxide nanoparticles supported on graphene oxide as an efficient nanocatalyst for the synthesis of 1,2,4â€oxadiazoles from aldehydes. Applied Organometallic Chemistry, 2020, 34, e5838.	1.7	7
1593	Room-Temperature Reduction of Graphene Oxide in Water by Metal Chloride Hydrates: A Cleaner Approach for the Preparation of Graphene@Metal Hybrids. Nanomaterials, 2020, 10, 1255.	1.9	2
1594	Enhanced electrical conductivity of TiO2/graphene: The role of introducing Ca2+. Journal of Alloys and Compounds, 2020, 827, 154280.	2.8	13
1595	A Comparative Study of the Effects of Different Methods for Preparing RGO/Metal-Oxide Nanocomposite Electrodes on Supercapacitor Performance. Journal of the Korean Physical Society, 2020, 76, 264-272.	0.3	4
1596	Synthesis of MnO2/NiCo-Layered Double Hydroxide Hybrid as Electrode Materials for Supercapacitor. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3179-3187.	1.9	28
1597	Explanation of anomalous rate capability enhancement by manganese oxide incorporation in carbon nanoï¬ber electrodes for electrochemical capacitors. Electrochimica Acta, 2020, 340, 135921.	2.6	10
1598	Hollow porous gold nanoparticle/reduced graphene oxide composite films for electrochemical supercapacitor applications. Electrochimica Acta, 2020, 337, 135844.	2.6	23
1599	Porous carbon derived from cashew nut husk biomass waste for high-performance supercapacitors. Journal of Electroanalytical Chemistry, 2020, 861, 113933.	1.9	61
1600	Fabrication of graphene oxide wrapped Ti/Co₃O₄ nanowire photoanode and its superior photoelectrocatalytic performance. Nanotechnology, 2020, 31, 225303.	1.3	4
1601	Nickel Hydroxide Nanoflakes Grown on Carbonized Melamine Foam via Chemical Bath Deposition for Supercapacitor Electrodes. International Journal of Electrochemical Science, 2020, 15, 1310-1328.	0.5	10
1602	Highly dispersed Mn₂O₃â^'Co₃O₄ nanostructures on carbon matrix as heterogeneous Fentonâ€like catalyst. Applied Organometallic Chemistry, 2020, 34, e5512.	1.7	10
1603	Flower-like MnO2 on layered carbon derived from sisal hemp for asymmetric supercapacitor with enhanced energy density. Journal of Alloys and Compounds, 2020, 826, 154133.	2.8	50
1604	Scalable gas-phase synthesis of 3D microflowers confining MnO2 nanowires for highly-durable aqueous zinc-ion batteries. Journal of Power Sources, 2020, 463, 228209.	4.0	40
1605	MWCNTs/NiS2 decorated Ni foam based electrode for high-performance supercapacitors. Electrochimica Acta, 2020, 345, 136196.	2.6	58
1606	High-performance and flexible all-solid-state hybrid supercapacitor constructed by NiCoP/CNT and N-doped carbon coated CNT nanoarrays. Journal of Colloid and Interface Science, 2020, 572, 151-159.	5.0	68
1607	Spray pyrolysis of graphene oxide based composite for optical and wettability applications. Materials Research Express, 2020, 7, 035024.	0.8	2
1608	Copper (0) Mediated Single Electron Transfer-Living Radical Polymerization of Methyl Methacrylate: Functionalized Graphene as a Convenient Tool for Radical Initiator. Polymers, 2020, 12, 874.	2.0	2

#	Article	IF	Citations
1609	Preparation and Application of Manganese Dioxide/Graphene Composite in Lithium Sulfur Batteries. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 1-8.	0.4	2
1610	One-step synthesis of zwitterionicÂgraphene oxide nanohybrid: Application to polysulfone tight ultrafiltration hollow fiber membrane. Scientific Reports, 2020, 10, 6880.	1.6	29
1611	Modified carbon black, CB/MnO₂ and CB/MnO₂/PPy nanocomposites synthesised by microwave-assisted method for energy storage devices with high electrochemical performances. Plastics, Rubber and Composites, 2020, 49, 342-356.	0.9	9
1612	Advances in in-situ characterizations of electrode materials for better supercapacitors. Journal of Energy Chemistry, 2021, 54, 242-253.	7.1	37
1613	Mesoporous cobalt ferrite thin film for supercapacitor applications. Materials Today: Proceedings, 2021, 43, 2711-2715.	0.9	6
1614	Graphene oxide-supported cobalt tungstate as catalyst precursor for selective growth of single-walled carbon nanotubes. Inorganic Chemistry Frontiers, 2021, 8, 940-946.	3.0	11
1615	Graphene oxide: An emerging electromaterial for energy storage and conversion. Journal of Energy Chemistry, 2021, 55, 323-344.	7.1	146
1616	Sacrificial graphene oxide interlayer for highly permeable ceramic thin film composite membranes. Journal of Membrane Science, 2021, 618, 118442.	4.1	20
1617	Recent advances in off-grid electrochemical capacitors. Energy Storage Materials, 2021, 34, 53-75.	9.5	26
1618	Nickel and cobalt sulfide-based nanostructured materials for electrochemical energy storage devices. Chemical Engineering Journal, 2021, 409, 127237.	6.6	84
1619	The NiFe2O4/NiCo2O4/GO composites electrode material derived from dual-MOF for high performance solid-state hybrid supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125650.	2.3	60
1620	Continuous and controllable synthesis of MnO2/PPy composites with coreâ€“shell structures for supercapacitors. Chemical Engineering Journal, 2021, 405, 127059.	6.6	46
1621	Integration of supercapacitors and batteries towards highâ€performance hybrid energy storage devices. International Journal of Energy Research, 2021, 45, 1449-1479.	2.2	55
1622	Binder-free pseudocapacitive nickel cobalt sulfide/MWCNTs hybrid electrode directly grown on nickel foam for high rate supercapacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 264, 114898.	1.7	32
1623	A synergistic promotion strategy remarkably accelerated electrochemiluminescence of SnO2 QDs for MicroRNA detection using 3D DNA walker amplification. Biosensors and Bioelectronics, 2021, 173, 112820.	5.3	38
1624	Electrochemical performance of hydrothermally synthesized NiO/Co3O4 nanocomposites with different mass ratio. Materials Letters, 2021, 283, 128849.	1.3	9
1625	Gold nanoparticles modified graphene foam with superhydrophobicity and superoleophilicity for oil-water separation. Science of the Total Environment, 2021, 758, 143660.	3.9	43
1626	Facile development of cost effective and greener for all solid-state supercapacitor on paper substrate. Journal of Energy Storage, 2021, 33, 102107.	3.9	9

#	Article	IF	Citations
1627	Study on preparation and performance of flexible all-solid-state supercapacitor based on nitrogen-doped RGO/CNT/MnO2 composite fibers. Journal of Alloys and Compounds, 2021, 859, 157816.	2.8	34
1628	Graphene oxide-promoted Ti/PbO2 photoanode with photoelectric synergy effect for efficient photoelectrocatalytic degradation of reactive brilliant blue. Journal of Materials Science, 2021, 56, 4741-4752.	1.7	10
1629	Investigation of template-assisted (MCM-41) mesoporous Co3O4 nanostructures and its superior supercapacitive retention. Vacuum, 2021, 185, 109998.	1.6	8
1630	Development of hierarchically structured nanosheet arrays of CuMnO2-MnxOy@graphene foam as a nanohybrid electrode material for high-performance asymmetric supercapacitor. Journal of Alloys and Compounds, 2021, 858, 158343.	2.8	21
1631	Structural regulation of porous MnO2 nanosheets and their electrocapacitive behavior in aqueous electrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125579.	2.3	18
1632	Unveiling the structural, charge density distribution and supercapacitor performance of NiCo2O4 nano flowers for asymmetric device fabrication. Journal of Energy Storage, 2021, 34, 102029.	3.9	41
1633	Enhanced defect oxygen of LaFeO3/GO hybrids in promoting persulfate activation for selective and efficient elimination of bisphenol A in food wastewater. Chemical Engineering Journal, 2021, 407, 126890.	6.6	51
1634	Facile synthesis of NiO@Ni(OH)2-Î±-MoO3 nanocomposite for enhanced solid-state symmetric supercapacitor application. Journal of Colloid and Interface Science, 2021, 585, 505-518.	5.0	81
1635	Cathodes for Aqueous Znâ€ion Batteries: Materials, Mechanisms, and Kinetics. Chemistry - A European Journal, 2021, 27, 830-860.	1.7	84
1636	Bismuth Oxide Selenium/Graphene Oxide Composites: Toward Highâ€Performance Electrodes for Aqueous Alkaline Battery. Energy and Environmental Materials, 2021, 4, 465-473.	7.3	22
1637	Design of a Sensitive Electrochemical Sensor Based on Ferroceneâ€reduced Graphene Oxide/Mnâ€spinel for Hydrazine Detection. Electroanalysis, 2021, 33, 464-472.	1.5	13
1638	Electrochemically Exfoliated Graphene/Manganese Dioxide Nanowire Composites as Electrode Materials for Flexible Supercapacitors. Australian Journal of Chemistry, 2021, 74, 192.	0.5	2
1639	One step solvothermal synthesis and characterization of rGO/NiO nanocomposites. Materials Today: Proceedings, 2021, 35, 17-22.	0.9	2
1640	Microstructure and electrochemical properties of high performance graphene/manganese oxide hybrid electrodes. RSC Advances, 2021, 11, 31608-31620.	1.7	3
1641	Enhanced electrochemical performance of MnO₂ nanoparticles: graphene aerogels as conductive substrates and capacitance contributors. Dalton Transactions, 2021, 50, 8776-8784.	1.6	6
1642	MnO₂â€Based Materials for Environmental Applications. Advanced Materials, 2021, 33, e2004862.	11.1	252
1643	A scalable strategy toward compliant tandem yarn-shaped supercapacitors with high voltage output. Journal of Materials Chemistry A, 2021, 9, 13916-13925.	5.2	10
1644	Nanomaterials for Energy Harvesting and Storage. Advances in Chemical and Materials Engineering Book Series, 2021, , 188-203.	0.2	3

#	Article	IF	Citations
1645	Manganese-based advanced nanoparticles for biomedical applications: future opportunity and challenges. Nanoscale, 2021, 13, 16405-16426.	2.8	32
1646	Manganese Oxides-Graphene Nanocomposites as Advanced Supercapacitors. , 2022, , 523-556.		1
1647	Synergistic absorbents based on SnFe₂O₄@ZnO nanoparticles decorated with reduced graphene oxide for highly efficient dye adsorption at room temperature. RSC Advances, 2021, 11, 17840-17848.	1.7	8
1648	Synthesis and characterization of reduced graphene oxide/magnetite/polyaniline composites as electrode materials for supercapacitors. Journal of Materials Science: Materials in Electronics, 2021, 32, 1864-1876.	1.1	11
1649	An exploration into two-dimensional metal oxides, and other 2D materials, synthesised via liquid metal printing and transfer techniques. Dalton Transactions, 2021, 50, 7513-7526.	1.6	37
1650	An MnO₂ nanosheet@nitrogen-doped graphene aerogel enables high specific energy and high specific power for supercapacitors and Znâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 5848-5856.	5.2	13
1651	Phase Changing Materials Based Super Capacitors. , 2021, , .		0
1652	High-performance supercapacitor based on MnO/carbon nanofiber composite in extended potential windows. Electrochimica Acta, 2021, 370, 137713.	2.6	17
1653	Mechanisms of Hydrogen Evolution Reaction in Two-Dimensional Nitride MXenes Using In Situ X-Ray Absorption Spectroelectrochemistry. ACS Catalysis, 2021, 11, 3128-3136.	5.5	28
1654	Significant Capacitance Enhancement via In Situ Exfoliation of Quasi-One-Dimensional Graphene Nanostripes in Supercapacitor Electrodes. ACS Omega, 2021, 6, 5679-5688.	1.6	3
1655	Hybridized Graphene for Supercapacitors: Beyond the Limitation of Pure Graphene. Small, 2021, 17, e2007311.	5.2	83
1656	Mingled MnO₂ and Co₃O₄ Binary Nanostructures on Well-Aligned Electrospun Carbon Nanofibers for Nonenzymatic Glucose Oxidation and Sensing. Crystal Growth and Design, 2021, 21, 1527-1539.	1.4	21
1657	Past, present and future of electrochemical capacitors: Technologies, performance and applications. Journal of Energy Storage, 2021, 35, 102310.	3.9	24
1659	MnFe2O4 decorated graphene as a heterogeneous catalyst for efficient degradation of di-n-butyl phthalate using catalytic ozonation in water. Separation and Purification Technology, 2021, 259, 118097.	3.9	28
1660	Triethanolamineâ€“ethoxylate (TEA-EO) assisted hydrothermal synthesis of hierarchical Î²-MnO₂ nanorods: effect of surface morphology on capacitive performance. Nano Express, 2021, 2, 040008.	1.2	8
1661	Research of Properties of a Carbon Film Formed in Methane Plasma and the Following Annealing. IOP Conference Series: Materials Science and Engineering, 2021, 1079, 042086.	0.3	2
1662	Microfluidic-architected coreâ€“shell flower-like Î´-MnO2@graphene fibers for high energy-storage wearable supercapacitors. Electrochimica Acta, 2021, 372, 137827.	2.6	16
1663	An insight into the binding behavior of graphene oxide and noble metal nanoparticles. Journal of Applied Physics, 2021, 129, .	1.1	22

#	Article	IF	Citations
1664	Crystalline Multiâ€Metallic Compounds as Host Materials in Cathode for Lithiumâ€“Sulfur Batteries. Small, 2021, 17, e2005332.	5.2	33
1665	A novel flexible wire-shaped supercapacitor with enhanced electrochemical performance based on hierarchical Co(OH)2@Ni(OH)2 decorated porous dendritic Ni film/Ni wire. Journal of Alloys and Compounds, 2021, 856, 158101.	2.8	21
1666	MXene/Graphene Oxide Heterojunction as a Saturable Absorber for Passively Q-Switched Solid-State Pulse Lasers. Nanomaterials, 2021, 11, 720.	1.9	9
1667	Enhancing hydrothermal formation of Î±-MnO2 nanoneedles over nanographite structures obtained by electrochemical exfoliation. Bulletin of Materials Science, 2021, 44, 1.	0.8	8
1668	Effects of hydrogen etching on MnO2 electrode materials for supercapacitors. Surface and Coatings Technology, 2021, 410, 126951.	2.2	5
1669	Self-Assemble Strategy to Fabricate High Polyaniline Loading Nanocarbon Hydrogels for Flexible All-Solid-State Supercapacitors. ACS Applied Energy Materials, 2021, 4, 3766-3776.	2.5	16
1670	Transitional Metalâ€Based Noncatalytic Medicine for Tumor Therapy. Advanced Healthcare Materials, 2021, 10, e2001819.	3.9	28
1671	Structural Complexity of Graphene Oxide: The Kirigami Model. ACS Applied Materials & Interfaces, 2021, 13, 18255-18263.	4.0	20
1672	Reduced graphene oxide thin layer induced lattice distortion in high crystalline MnO2 nanowires for high-performance sodium- and potassium-ion batteries and capacitors. Carbon, 2021, 174, 556-566.	5.4	52
1673	Fabrication of Rambutan-like Activated Carbon Sphere/Carbon Nanotubes and Their Application as Supercapacitors. Energy & Fuels, 2021, 35, 8313-8320.	2.5	18
1674	More from Less but Precise: Industry-relevant Pseudocapacitance by Atomically-precise Mass-loading MnO2 within Multifunctional MXene Aerogel. Journal of Power Sources, 2021, 492, 229639.	4.0	45
1675	Experimental measurement and theoretical prediction of the adhesion force between a single phenyl ring and graphene. Applied Surface Science, 2021, 545, 148980.	3.1	5
1676	Synthesis, structure and supercapacitive behavior of spinel NiFe2O4 and NiO@NiFe2O4 nanoparticles. Ceramics International, 2021, 47, 10063-10071.	2.3	32
1677	Investigation on the structural, morphological and electrochemical properties of nickel tungstate for energy storage application. Inorganic Chemistry Communication, 2021, 126, 108490.	1.8	11
1678	Composites of NiS₂ Microblocks, MoS₂ Nanosheets, and Reduced Graphene Oxide for Energy Storage and Electrochemical Detection of Bisphenol A. ACS Applied Nano Materials, 2021, 4, 6093-6102.	2.4	29
1679	In-situ evolution process understanding from a salan-ligated manganese cluster to supercapacitive application. Nano Research, 2022, 15, 346.	5.8	12
1680	Plasma engraved Bi2MoO6 nanosheet arrays towards high performance supercapacitor and oxygen evolution reaction. Applied Surface Science, 2021, 548, 149244.	3.1	16
1681	Boosted charge transfer in oxygen vacancy-rich K+ birnessite MnO2 for water oxidation and zinc-ion batteries. Electrochimica Acta, 2021, 378, 138147.	2.6	37

#	Article	IF	Citations
1682	Ti3O5 nanofilm on carbon nanotubes by pulse laser deposition: Enhanced electrochemical performance. Applied Surface Science, 2021, 548, 149269.	3.1	13
1683	Porous carboxymethyl cellulose carbon of lignocellulosic based materials incorporated manganese oxide for supercapacitor application. International Journal of Biological Macromolecules, 2021, 180, 654-666.	3.6	15
1684	Making the most of your electrons: Challenges and opportunities in characterizing hybrid interfaces with STEM. Materials Today, 2021, 50, 100-115.	8.3	13
1685	The effect of spray cycles on the morphological, structural, and optical properties of rGO thin film deposited using spray pyrolysis technique. Materials Science in Semiconductor Processing, 2021, 127, 105655.	1.9	5
1686	Experimental and Computational Analysis of MnO2@V2C-MXene for Enhanced Energy Storage. Nanomaterials, 2021, 11, 1707.	1.9	18
1687	Effects of cathode coating materials and operational time on the mercury removal performance of electrokinetic remediation system for marine sediment. Journal of Environmental Management, 2021, 288, 112443.	3.8	5
1688	Hydrothermal Synthesis of Iridium-Substituted NaTaO3 Perovskites. Nanomaterials, 2021, 11, 1537.	1.9	3
1689	Single step fabrication of nanostructured Cr2O3-MoO2 composite flexible electrode for top-notch asymmetric supercapacitor. Applied Surface Science, 2021, 555, 149721.	3.1	25
1690	Encapsulate Î±-MnO2 nanofiber within graphene layer to tune surface electronic structure for efficient ozone decomposition. Nature Communications, 2021, 12, 4152.	5.8	106
1691	Direct Visualization of Atomic-Scale Heterogeneous Structure Dynamics in MnO₂ Nanowires. ACS Applied Materials & Interfaces, 2021, 13, 33644-33651.	4.0	9
1692	Synthesis and experimental investigation of Î´-MnO2/N-rGO nanocomposite for Li-O2 batteries applications. Chemical Engineering Journal Advances, 2021, 7, 100115.	2.4	8
1693	High-performance Mn3O4 nanomaterials synthesized via a new two-step hydrothermal method in asymmetric supercapacitors. Materials Science in Semiconductor Processing, 2021, 130, 105823.	1.9	9
1694	Enhanced optical nonlinearity in Î²-MnO2 nanowire network decorated with Ag nanoparticles. Optical Materials, 2021, 118, 111226.	1.7	12
1695	Carbonâ€Based Composites as Anodes for Microbial Fuel Cells: Recent Advances and Challenges. ChemPlusChem, 2021, 86, 1322-1341.	1.3	6
1696	Porous N-doped carbon/MnO2 nanoneedles for high performance ionic liquid-based supercapacitors. Materials Letters, 2021, 296, 129837.	1.3	37
1697	Recent Advances and Need of Green Synthesis in Two-Dimensional Materials for Energy Conversion and Storage Applications. Current Nanoscience, 2021, 17, 554-571.	0.7	8
1698	Sensitive electrocatalytic determination of p-phenylenediamine using bimetallic nanocomposite of Cu-Ag nanoalloy and ionic liquid-graphene oxide. Journal of Electroanalytical Chemistry, 2021, 894, 115360.	1.9	5
1699	Red Fluorescent Emissive Gd-Phenolic Nanoparticles for In Vivo Fluorescence and Magnetic Resonance Bimodal Imaging. Journal of Biomedical Nanotechnology, 2021, 17, 1635-1646.	0.5	2

#	Article	IF	Citations
1700	Review on recent progress in <scp>Manganeseâ€based</scp> anode materials for <scp>sodiumâ€ion</scp> batteries. International Journal of Energy Research, 2022, 46, 667-683.	2.2	13
1701	Electrospun deposited Mn2O3/GO nanofiber composite electrode for hybrid coin cell supercapacitor devices. Journal of Materials Science: Materials in Electronics, 2022, 33, 8844-8857.	1.1	1
1702	Visible-Light Driven Enhanced Photocatalytic Properties of rGO/Mn₃O₄/MoO₃ Ternary Hybrid Nanocomposite. ECS Journal of Solid State Science and Technology, 2021, 10, 091010.	0.9	4
1703	An aqueous symmetrical supercapacitor with high bulk pseudocapacitance induced by phase transformation of MnO2. Journal of Alloys and Compounds, 2021, 876, 160148.	2.8	11
1704	Discrimination of dopamine by an electrode modified with negatively charged manganese dioxide nanoparticles decorated on a poly(3,4 ethylenedioxythiophene)/reduced graphene oxide composite. Journal of Colloid and Interface Science, 2021, 597, 314-324.	5.0	25
1705	Metabolomics approach to study in vivo toxicity of graphene oxide nanosheets. Journal of Applied Toxicology, 2022, 42, 506-515.	1.4	6
1706	Understanding of the electrochemical behaviors of aqueous zincâ€“manganese batteries: Reaction processes and failure mechanisms. Green Energy and Environment, 2022, 7, 858-899.	4.7	20
1707	MnO_x-Electrodeposited Fabric-Based Stretchable Supercapacitors with Intrinsic Strain Sensing. ACS Applied Materials & Interfaces, 2021, 13, 47581-47592.	4.0	20
1708	Facile synthesis of MnO2-Cu composite electrode for high performance supercapacitor. Journal of Energy Storage, 2021, 42, 103100.	3.9	15
1709	Assembling Co3O4 Nanoparticles into MXene with Enhanced electrochemical performance for advanced asymmetric supercapacitors. Journal of Colloid and Interface Science, 2021, 599, 109-118.	5.0	72
1710	Sensitivity enhancement in rGO/Mn3O4 hybrid nanocomposites: A modified glassy carbon electrode for the simultaneous detection of dopamine and uric acid. Synthetic Metals, 2021, 280, 116859.	2.1	8
1711	SWCNT-bridged laser-induced graphene fibers decorated with MnO2 nanoparticles for high-performance flexible micro-supercapacitors. Carbon, 2021, 183, 128-137.	5.4	43
1712	3D printable ink for double-electrical-layer-enhanced electrode of microsupercapaitors. Journal of Power Sources, 2021, 512, 230468.	4.0	3
1713	Metal-free 2D/2D C3N5/GO nanosheets with customized energy-level structure for radioactive nuclear wastewater treatment. Journal of Hazardous Materials, 2022, 422, 126912.	6.5	49
1714	Three-dimensional C3N5/RGO aerogels with enhanced visible-light response and electron-hole separation efficiency for photocatalytic uranium reduction. Chemical Engineering Journal, 2022, 427, 131773.	6.6	56
1715	Role of graphene in solid-state asymmetric supercapacitors. , 2021, , 123-147.		0
1716	Advancements in Energy Storage Through Graphene. Lecture Notes in Mechanical Engineering, 2021, , 165-173.	0.3	3
1717	Scalable one-step production of electrochemically exfoliated graphene decorated with transition metal oxides for high-performance supercapacitors. Nanoscale, 2021, 13, 15859-15868.	2.8	4

#	Article	IF	Citations
1718	Sustainable Energyâ€Storage Materials from Ligninâ€“Graphene Nanocompositeâ€Derived Porous Carbon Film. Energy Technology, 2017, 5, 1927-1935.	1.8	29
1719	Fishnetâ€Like, Nitrogenâ€Doped Carbon Films Directly Anchored on Carbon Cloths as Binderâ€Free Electrodes for Highâ€Performance Supercapacitor. Global Challenges, 2020, 4, 1900086.	1.8	11
1720	CNT Applications in Microelectronics, â€œNanoelectronics,â€• and â€œNanobioelectronicsâ€• , 2018, , 65-72.		1
1721	CNT Applications in Displays and Transparent, Conductive Films/Substrates. , 2018, , 73-75.		1
1722	Graphene Applications in Electronics, Electrical Conductors, and Related Uses. , 2018, , 141-146.		4
1723	Characterization Methods. , 2018, , 403-488.		2
1724	Microwave- and Conductivity-Based Technologies. , 2018, , 655-669.		3
1725	CNT Applications in Sensors and Actuators. , 2018, , 53-60.		3
1726	Graphene Oxide: Synthesis and Characterization. Advanced Structured Materials, 2017, , 1-28.	0.3	3
1727	Synthesis of Metal/Metal Oxide Supported Reduced Graphene Oxide (RGO) for the Applications of Electrocatalysis and Supercapacitors. Carbon Nanostructures, 2019, , 1-48.	0.1	4
1728	Silver nanoparticleâ€“decorated PANI/reduced graphene oxide for sensing of hydrazine in water and inhibition studies on microorganism. Ionics, 2020, 26, 3123-3133.	1.2	13
1729	Enzyme-mimetic activity of sugar cane juice stabilized CuO nanospheres and CuO/GO nanocomposite: Green synthesis and applications. Colloids and Interface Science Communications, 2020, 35, 100239.	2.0	16
1730	Biobased alkyd/graphene oxide decorated with Î²â€“MnO2 nanorods as a robust ternary nanocomposite for surface coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 125057.	2.3	16
1731	Ultrathin MnO2 nanosheets grown on hollow carbon spheres with enhanced capacitive performance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126539.	0.9	17
1732	Catalytic degradation of chlorpheniramine over GO-Fe3O4 in the presence of H2O2 in water: The synergistic effect of adsorption. Science of the Total Environment, 2020, 736, 139468.	3.9	22
1733	Electrospun Metal Oxide/Carbon Nanofiber Composite Electrode for Supercapacitor Application. Applied Chemistry for Engineering, 2015, 26, 239-246.	0.2	3
1734	An Efficient Electrochemical Sensor Based on Ag Nanoparticle Decorated MnO2/reduced Graphene Oxide Ternary Nanocomposite for Detection of Acetaminophen in Human Urine Sample. International Journal of Electrochemical Science, 2019, 14, 346-358.	0.5	16
1735	One-Step Electrochemical Synthesis and Assembly of MnO2/Graphene and its Application for Supercapacitors. International Journal of Electrochemical Science, 2020, 15, 1160-1168.	0.5	7

#	Article	IF	Citations
1736	Research Progress of Graphene Composites. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2013, 28, 235-246.	0.6	23
1737	Facile Synthesis of Graphene-supported MnO, Mn3O4, and MnO2Nanocomposites by Controlling Gas Environment. Bulletin of the Korean Chemical Society, 2014, 35, 2889-2890.	1.0	6
1738	Synthesis and Characterization of Graphene and Graphene Oxide Based Palladium Nanocomposites and Their Catalytic Applications in Carbon-Carbon Cross-Coupling Reactions. Bulletin of the Korean Chemical Society, 2014, 35, 1979-1984.	1.0	10
1739	Easy Preparation of Nanosilver-Decorated Graphene Using Silver Carbamate by Microwave Irradiation and Their Properties. Bulletin of the Korean Chemical Society, 2014, 35, 2251-2256.	1.0	14
1740	Synthesis and Electrochemical Characterization of Reduced Graphene Oxide-Manganese Oxide Nanocomposites. Journal of Electrochemical Science and Technology, 2011, 2, 1-7.	0.9	7
1741	Three-dimensional carbon foam-metal oxide-based asymmetric electrodes for high-performance solid-state micro-supercapacitors. Nanoscale, 2021, 13, 19453-19465.	2.8	14
1743	Investigating the effect of graphite pretreatment and contribution of the oxidizer in the synthesis of graphite oxide by hummers approach. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 626-637.	1.0	3
1744	Threeâ€dimensional, porous, highly active <scp> Î±â€MnO ₂ </scp> / <scp>prGO</scp> hybrid nanocomposites as cathode of nonâ€aqueous <scp> Liâ€O ₂ </scp> batteries. International Journal of Energy Research, 2022, 46, 2737-2747.	2.2	2
1745	Green Electrochemical Energy Storage Devices Based on Sustainable Manganese Dioxides. ACS ES&T Engineering, 2022, 2, 20-42.	3.7	24
1746	Regulating high specific capacitance NCS/Î±-MnO2 cathode and a wide potential window Î±-Fe2O3/rGO anode for the construction of 2.7ÂV for high performance aqueous asymmetric supercapacitors. Journal of Energy Storage, 2021, 44, 103343.	3.9	32
1747	Synthesis of cross-linked Ni-Co oxide nanowires on graphene hydrogel with high capacitive performance for hybrid supercapacitors. Journal of Energy Storage, 2021, 44, 103254.	3.9	7
1748	Dye-Sensitized Solar Cell Based on TiO₂-Graphene Composite Electrodes. Korean Chemical Engineering Research, 2012, 50, 177-181.	0.2	1
1749	Preparation and influencing factors of graphene-silver nanocomposites. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 148101.	0.2	5
1750	Graphene Oxide based Metal ion Hybrid Supercapacitor. Transactions of the Society of Information Storage Systems, 2013, 9, 22-27.	0.0	0
1751	Metal Oxide-Graphene Nanocomposites. Advances in Chemical and Materials Engineering Book Series, 2014, , 196-225.	0.2	0
1752	Projection of Sciences Onto Textile and Fashion: Nano-Technology and Chargeable Fabric Example. Tekstil Ve Muhendis, 2015, 22, 21-30.	0.3	0
1753	Preparation of Three-Dimensional Graphene/Metal Oxide Nanocomposites for Application of Supercapacitors. Applied Chemistry for Engineering, 2015, 26, 521-525.	0.2	1
1754	The effect of reducing agents on GO/manganese oxide composites for super-capacitors. , 2016, , 43-46.		0

#	Article	IF	Citations
1755	Basic Electrochemistry of CPs. , 2018, , 283-309.		0
1756	Miscellaneous CNT Applications. , 2018, , 89-90.		0
1757	CNT Applications in Specialized Materials. , 2018, , 45-48.		0
1758	Structural Aspects and Morphology of CPs. , 2018, , 389-402.		0
1759	Electronic Structure and Conduction Models of Graphene. , 2018, , 101-106.		0
1760	Electrochromics. , 2018, , 601-624.		1
1761	Classes of CPs: Part 1. , 2018, , 489-507.		0
1762	Electro-Optic and Optical Devices. , 2018, , 671-684.		2
1763	Conduction Models and Electronic Structure of CNTs. , 2018, , 11-16.		0
1764	Miscellaneous Applications. , 2018, , 695-715.		0
1766	CNT Applications in the Environment and in Materials Used in Separation Science. , 2018, , 81-87.		0
1767	Graphene Applications in Displays and Transparent, Conductive Films/Substrates. , 2018, , 147-148.		0
1768	Classes of CPs: Part 2. , 2018, , 509-545.		0
1769	Introducing Conducting Polymers (CPs). , 2018, , 159-174.		0
1770	Syntheses and Processing of CPs. , 2018, , 311-388.		0
1771	Physical, Mechanical, and Thermal Properties of CNTs. , 2018, , 33-36.		0
1772	CNT Applications in Electrical Conductors, â€œQuantum Nanowires,â€•and Potential Superconductors. , 2018, , 77-79.		1
1773	Toxicology of CNTs. , 2018, , 37-39.		0

#	Article	IF	Citations
1774	Hybrid Fe2O3 Nanoparticle Clusters/rGO Paper for Flexible Supercapacitors. Springer Theses, 2018, , 91-104.	0.0	0
1775	Synthesis, Purification, and Chemical Modification of CNTs. , 2018, , 17-31.		0
1776	Introducing Graphene. , 2018, , 93-99.		0
1778	Conduction Models and Electronic Structure of CPs. , 2018, , 175-249.		1
1779	Brief, General Overview of Applications. , 2018, , 123-124.		0
1780	Electrochemomechanical, Chemomechanical, and Related Devices. , 2018, , 685-693.		0
1781	Displays, Including Light-Emitting Diodes (LEDs) and Conductive Films. , 2018, , 625-654.		0
1782	Electrical conductivity study of poly(p-anisidine) doped and undoped ZnO nanocomposite. Mediterranean Journal of Chemistry, 2019, 9, 403-410.	0.3	7
1783	Biyosentez yÃ¶ntemi ile Ã¼retilen GO:Se nanopartikÃ¼llerinin Ã¼retimi ve karakterizasyonu ve GO:Se nanopartikÃ¼lleri kullanÄ±larak geliÅŸtirilen Ag / GO: Se / p-Si cihazÄ±nÄ±n akÄ±m-gerilim Ã¶zellikleri. European Journal of Science and Technology, 0, , .	0.5	0
1784	Nanomaterials for Supercapacitors. , 2020, , 195-220.		1
1785	Graphene: Preparation and Applications. RSC Smart Materials, 2020, , 100-130.	0.1	0
1786	Graphene and Its Derivatives for Supercapacitor Application. , 2022, , 465-474.		2
1787	Recent trend in nanoparticle research in regulating arsenic bioaccumulation and mitigating arsenic toxicity in plant species. Journal of Plant Biochemistry and Biotechnology, 2021, 30, 793-812.	0.9	8
1788	Facile synthesis of NiCo2O4 nanostructure with enhanced electrochemical performance for supercapacitor application. Chemical Physics Letters, 2022, 786, 139181.	1.2	21
1789	One-Step Solvothermal Preparation of Mn-Doped VO₂(B) Nanosheets for High-Performance Supercapacitors. Journal of the Electrochemical Society, 2020, 167, 160523.	1.3	20
1790	Charge storage behavior of sugar derived carbon/MnO2 composite electrode material for high-performance supercapacitors. Journal of Alloys and Compounds, 2022, 893, 162232.	2.8	17
1791	Large-scale mechanical preparation of graphene containing nickel, nitrogen and oxygen dopants as supercapacitor electrode material. Chemical Engineering Journal, 2022, 430, 132815.	6.6	6
1792	Graphene decorated long single crystalline Mn2O3 nanorods: Facile Synthesis and visible light photocatalyst. Diamond and Related Materials, 2021, 120, 108703.	1.8	15

#	Article	IF	Citations
1793	Manganese oxide as an effective electrode material for energy storage: a review. Environmental Chemistry Letters, 2022, 20, 283-309.	8.3	44
1794	Graphene quantum dots, graphene nanoplatelets, and graphene nanoribbons with polymers. , 2022, , 91-116.		0
1795	Electrical, Structural, and Thermo-Electric Power Studies of Polypyrrole-MnO2 Composites. Polymer Science - Series B, 2021, 63, 606-613.	0.3	1
1796	One-pot temperature-controlled hydrothermal synthesis of Î±-MnO2 nanoparticles decorated thermally reduced graphene oxide composite as high-performance flexible aqueous symmetric supercapacitors. Diamond and Related Materials, 2021, 120, 108707.	1.8	8
1797	MoS2 nano-flower incorporation for improving organic-organic solid state electrochromic device performance. Solar Energy Materials and Solar Cells, 2022, 236, 111502.	3.0	33
1798	An approach for quantum capacitance of graphene, carbon nanotube, silicene and hexagonal boron nitride nanoscale supercapacitors by non-equilibrium Greenâ€™s function method. FlatChem, 2022, 31, 100313.	2.8	1
1799	Covalently Induced Grafting of C₂N Nanoflakes onto Reduced Graphene Oxide with Dominant Pseudocapacitive Behaviors for a High-Rate Sodium-Ion Battery Anode. ACS Sustainable Chemistry and Engineering, 2021, 9, 15946-15956.	3.2	4
1800	Copper(II)-Bis-Cyclen Intercalated Graphene Oxide as an Efficient Two-Dimensional Nanocomposite Material for Copper-Catalyzed Azideâ€“Alkyne Cycloaddition Reaction. Frontiers in Chemistry, 2021, 9, 754734.	1.8	3
1801	Synthesis and electrical properties of grapheneâ€“manganese oxide hybrid nanostructures. Journal of Materials Science: Materials in Electronics, 2022, 33, 1567-1576.	1.1	5
1802	Synthesis and characterization of Ni grafted RGOâ€”A nanocomposite with tunable magnetic properties. Solid State Communications, 2022, 342, 114602.	0.9	1
1803	Spinel-MgMn2O4 nanofibers: An attractive material for high performance aqueous symmetric supercapacitor. Journal of Energy Storage, 2022, 46, 103894.	3.9	16
1804	Supercapattery: Merging of battery-supercapacitor electrodes for hybrid energy storage devices. Journal of Energy Storage, 2022, 46, 103823.	3.9	156
1805	Synthesis of the Carbon-Optimized Integrated Cobalt-Based Electrode for High Cycle Performance Supercapacitors. SSRN Electronic Journal, 0, , .	0.4	0
1806	Synthesis, Characterization and Activation energy of Nano-(GO)x/(Cu,Tl)-1234 Superconducting Composites. Journal of Low Temperature Physics, 2022, 206, 210-231.	0.6	3
1807	Metal oxide/graphene nanocomposites and their biomedical applications. , 2022, , 569-584.		1
1808	Advances in materials and fabrication of separators in supercapacitors. Materials Advances, 2022, 3, 1472-1496.	2.6	33
1809	High-voltage aqueous symmetric supercapacitors based on 3D bicontinuous, highly wrinkled, N-doped porous graphene-like ultrathin carbon sheets. New Journal of Chemistry, 2022, 46, 3288-3296.	1.4	4
1810	Biogenic MnO₂nanoparticles derived from aCedrus deodarapine needle extract and their composites with polyaniline/activated charcoal as an electrode material for supercapacitor applications. New Journal of Chemistry, 2022, 46, 4325-4333.	1.4	3

#	Article	IF	Citations
1811	Morphology evolution and electrochemical behavior of NixMn1-x(OH)2 mixed hydroxides as high-performance electrode for supercapacitor. Electrochimica Acta, 2022, 403, 139692.	2.6	5
1812	Fabrication of MnO2 Nanocomposite on GO Functionalized with Advanced Electrode Material for Supercapacitors. Journal of Nanomaterials, 2022, 2022, 1-7.	1.5	6
1813	Non-covalent interactions of graphene surface: Mechanisms and applications. CheM, 2022, 8, 947-979.	5.8	29
1814	Graphene oxide based semiconducting nanomaterialâ€™s composites for environmental applications. , 2022, , 407-431.		2
1815	Composites of NiMoO4@Ni-Co LDH@NiCo2O4 on Ni foam with a rational microscopic morphology for high-performance asymmetric supercapacitors. Journal of Alloys and Compounds, 2022, 902, 163749.	2.8	34
1816	Synthesis of the carbon-optimized integrated cobalt-based electrode for high cycle performance supercapacitors. Journal of Alloys and Compounds, 2022, 906, 164158.	2.8	3
1817	The Synergistic Properties and Gas Sensing Performance of Functionalized Graphene-Based Sensors. Materials, 2022, 15, 1326.	1.3	13
1818	Metal oxideâ€“carbon composites for supercapacitor applications. , 2022, , 133-177.		2
1819	Enhanced Degradation of Micropollutants by Uv/Freshly Formed Colloidal Mno2: Reactive Species, Kinetics and Pathways. SSRN Electronic Journal, 0, , .	0.4	0
1820	Evolution of graphene oxide (GO)-based nanohybrid materials with diverse compositions: an overview. RSC Advances, 2022, 12, 5686-5719.	1.7	27
1821	Characteristic Dual-Domain Composite Structure of Reduced Graphene Oxide (Rgo) Playing Electric/Electrolyte Pathways and its Application to Higher Specific Capacitance. SSRN Electronic Journal, 0, , .	0.4	0
1822	Green Synthesis of MnO2 NPs Using Blumea lacera Leaf Extract and its Antimicrobial Study. Nanoscience and Nanotechnology - Asia, 2022, 12, .	0.3	3
1823	Nanostructured CoFe2O4 and their nanohybrid with rGO as an efficient electrode for next-generation supercapacitor. Ceramics International, 2022, 48, 17499-17509.	2.3	6
1824	Graphite Exfoliation using MnO2 Paste via Sonication in Irradiated Water for Volumetric-Shrinkage Resistant Sponge. Trends in Sciences, 2022, 19, 2996.	0.2	0
1826	Silver Nanoparticle Decorated on Reduced Graphene Oxide-Wrapped Manganese Oxide Nanorods as Electrode Materials for High-Performance Electrochemical Devices. Crystals, 2022, 12, 389.	1.0	13
1827	Two-dimensional materials as a platform in extraction methods: A review. TrAC - Trends in Analytical Chemistry, 2022, 152, 116606.	5.8	16
1828	Composition controllable green synthesis of manganese dioxide nanoparticles using an edible freshwater red alga and its photocatalytic activity towards water soluble toxic dyes. Inorganic Chemistry Communication, 2022, 138, 109312.	1.8	15
1829	Disentangling faradaic, pseudocapacitive, and capacitive charge storage: A tutorial for the characterization of batteries, supercapacitors, and hybrid systems. Electrochimica Acta, 2022, 412, 140072.	2.6	78

#	Article	IF	Citations
1831	Electrochemical performance of reduced graphene oxide (rGO) decorated lanthanum oxide (La2O3) composite nanostructure as asymmetric supercapacitors. Inorganic Chemistry Communication, 2022, 139, 109331.	1.8	17
1832	Ultrafast degradation of micropollutants in water via electro-periodate activation catalyzed by nanoconfined Fe2O3. Applied Catalysis B: Environmental, 2022, 309, 121289.	10.8	43
1833	Reduced graphene oxide as a charge reservoir of manganese oxide: Interfacial interaction promotes charge storage property of MnO -based micro-supercapacitors. Chemical Engineering Journal, 2022, 439, 135569.	6.6	8
1834	Novel green synthesis of graphene oxide-manganese dioxide using solution plasma process for energy storage. Chemical Engineering Journal, 2022, 442, 136244.	6.6	16
1835	Role of Oxygen Vacancy Ordering and Channel Formation in Tuning Intercalation Pseudocapacitance in Mo Single-Ion-Implanted CeO_{2â€“x} Nanoflakes. ACS Applied Materials & Interfaces, 2021, 13, 59820-59833.	4.0	11
1836	Nanostructured Molybdenum-Oxide Anodes for Lithium-Ion Batteries: An Outstanding Increase in Capacity. Nanomaterials, 2022, 12, 13.	1.9	12
1837	Efficient visible-light-driven degradation of tetracycline by a 2D/2D rGO-Bi2WO6 heterostructure. Environmental Research, 2022, 212, 113326.	3.7	11
1838	The effect of plasma treatment on flexible self-standing supercapacitors composed by carbon nanotubes and multilayer graphene composites. Journal of Materials Science, 2022, 57, 8779-8799.	1.7	3
1839	Oxygen Vacanciesâ€rich Manganese Oxide with Flowerâ€like Nanosheets for High Performance Supercapacitors. Electroanalysis, 2023, 35, .	1.5	2
1840	Controlled preparation of NiCo-LDH@CuCo₂O₄/Ti₃C₂ coreâ˜shell structure for high performance asymmetric supercapacitor. Materials Technology, 2022, 37, 2736-2742.	1.5	5
1841	Diverse comparative studies for preferential binding of graphene oxide and transition metal oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129057.	2.3	19
1842	Enhanced degradation of micropollutants by UV/freshly formed colloidal MnO2: Reactive species, kinetics and pathways. Applied Catalysis B: Environmental, 2022, 313, 121441.	10.8	8
1843	Density effects of vertical graphene nanowalls on supercapacitor performance. Materials Advances, 2022, 3, 5406-5417.	2.6	2
1844	MoS₂ doping and concentration optimization for application-specific design of P3HT-viologen-based solid state electrochromic device. Journal Physics D: Applied Physics, 2022, 55, 375101.	1.3	11
1845	Graphitized Loofah Spongeâ€Derived Carbon for Supercapacitors with Superior Volumetric Capacitance. Particle and Particle Systems Characterization, 2022, 39, .	1.2	2
1846	In-situ growth of MnO2 on hierarchical porous carbon foam with enhanced oxygen vacancy concentration and charge transfer for efficient catalytic oxidation of 5-hydroxymethylfurfural. Applied Surface Science, 2022, 598, 153849.	3.1	7
1847	Fabrication of a flexible quasi-solid-state asymmetric supercapacitor device based on a spherical honeycomb like ZnMn2O4@Ni(OH)2 hybrid core-shell electrode material with superior electrochemical performances. Results in Chemistry, 2022, 4, 100404.	0.9	5
1848	Hydrothermal synthesis of manganese oxide (Mn3O4) with granule-like morphology for supercapacitor application. Ceramics International, 2022, 48, 29429-29437.	2.3	16

#	Article	IF	Citations
1849	The coplanar graphene oxide/graphite heterostructure-based electrodes for electrochemical supercapacitors. Carbon, 2022, 197, 163-170.	5.4	4
1850	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. Fuel, 2022, 325, 124843.	3.4	14
1851	Characteristic dual-domain composite structure of reduced graphene oxide and its application to higher specific capacitance. Chemical Engineering Journal, 2022, 446, 137390.	6.6	13
1852	Preparation and characterization of aluminum oxide/iron oxide/graphene oxide nanocomposite by co-precipitation method. AIP Conference Proceedings, 2022, , .	0.3	0
1853	Dexterous synthesis hybrid MnO2/PPy nanosheets grown on ultrafine NiO nanoarrays for high performance flexible hybrid capacitors. Journal of Energy Storage, 2022, 54, 105300.	3.9	1
1854	Engineering oxygen-deficient nanocomposite comprising LaNiO3-Î´ and reduced graphene oxide for high-performance pseudocapacitors. Journal of Energy Storage, 2022, 54, 105301.	3.9	9
1855	Dispersion Analysis of Silicon Carbide Nanoparticles in Polyvinyl Alcohol Polymeric Matrix by Electronic Microscopy Techniques. Microscopy and Microanalysis, 2022, 28, 2478-2480.	0.2	0
1856	Examining the Economic and Energy Aspects of Manganese Oxide in Li-Ion Batteries. Materials Circular Economy, 2022, 4, .	1.6	10
1857	A Study of Methylene Blue Dye Interaction and Adsorption by Monolayer Graphene Oxide. Adsorption Science and Technology, 2022, 2022, .	1.5	15
1858	Single step assemble of cerium oxide embellished on layered graphene oxide: An efficacious electrode for supercapacitors and hydrogen evolution reaction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 284, 115924.	1.7	3
1859	Development of 1.6ÂV hybrid supercapacitor based on ZnO nanorods/MnO2 nanowires for next-generation electrochemical energy storage. Journal of Electroanalytical Chemistry, 2022, 922, 116753.	1.9	22
1860	Preparation and electrical properties of rGO-PtNPs/n-Si Schottky contact. Vacuum, 2022, 206, 111516.	1.6	0
1861	Nanocellulose-based aerogel electrodes for supercapacitors: A review. Carbohydrate Polymers, 2022, 297, 120039.	5.1	17
1862	Facile design and synthesis of a nickel disulfide/zeolitic imidazolate framework-67 composite material with a robust cladding structure for high-efficiency supercapacitors. RSC Advances, 2022, 12, 23912-23921.	1.7	4
1863	Advances in the regulation of kinetics of cathodic H⁺/Zn²⁺ interfacial transport in aqueous Zn/MnO₂ electrochemistry. Nanoscale, 2022, 14, 14433-14454.	2.8	5
1864	Three-dimensional tubular carbon aerogel for supercapacitors. , 2022, 52, 6.		0
1865	All-Carbon Monolithic Composites from Carbon Foam and Hierarchical Porous Carbon for Energy Storage. ACS Applied Materials & Interfaces, 2022, 14, 44772-44781.	4.0	3
1866	Enhanced adsorption of lead ions by enzymatically synthesized poly(m-phenylenediamine)-graphene oxide composites. Korean Journal of Chemical Engineering, 2022, 39, 3048-3054.	1.2	2

#	Article	IF	Citations
1867	PEDOT:PSS and Its Composites for Flexible Supercapacitors. ACS Applied Energy Materials, 2022, 5, 11915-11932.	2.5	16
1868	<scp>2Dâ€TMDs</scp> based electrode material for supercapacitor applications. International Journal of Energy Research, 2022, 46, 22336-22364.	2.2	37
1869	A passive-active combined strategy for ultrafiltration membrane fouling control in continuous oily wastewater purification. Water Research, 2022, 226, 119219.	5.3	14
1870	Nanotexturing TiO2 over carbon nanotubes for high-energy and high-power density pseudocapacitors in organic electrolytes. Frontiers in Materials, 0, 9, .	1.2	1
1871	Graphene Oxide Based on Biomass Waste: Synthesis and Applications. , 0, , .		2
1872	Screen-Printed Graphite Electrode Modified with Graphene-Co3O4 Nanocomposite: Voltammetric Assay of Morphine in the Presence of Diclofenac in Pharmaceutical and Biological Samples. Nanomaterials, 2022, 12, 3454.	1.9	8
1873	A novel supported ionic liquid catalyst, GO-[DBU][Br] catalyzes cycloaddition of CO2 in a fixed-bed reactor. Molecular Catalysis, 2022, 532, 112743.	1.0	3
1874	Investigation of Chemical Bath Deposited Transition Metals/GO Nanocomposites for Supercapacitive Electrodes. Crystals, 2022, 12, 1613.	1.0	3
1875	Hierarchical Synthesis of MnO₂/NiCo₂S₄ on the Graphenized Pencil Lead and Application as Solid Phase Microextraction Fiber for Mensuration of Polycyclic Aromatic Hydrocarbons in Surface Water Samples. Polycyclic Aromatic Compounds, 2023, 43, 7565-7579.	1.4	1
1876	Status Quo on Graphene Electrode Catalysts for Improved Oxygen Reduction and Evolution Reactions in Li-Air Batteries. Molecules, 2022, 27, 7851.	1.7	3
1877	Ion-Exchanging Graphenic Nanochannels for Macroscopic Osmotic Energy Harvesting. ACS Sustainable Chemistry and Engineering, 2022, 10, 15082-15093.	3.2	2
1878	Constructing 2D/2D heterojunction of MnO2 nanolamellas grown on MXene nanosheets for boosted supercapacitor performance. Journal of Energy Storage, 2022, 56, 106105.	3.9	9
1879	Benchmarking the charge storage mechanism in nickel cobalt sulfide nanosheets anchored on carbon nanocoils/carbon nanotubes nano-hybrid for high performance supercapacitor electrode. Journal of Energy Storage, 2022, 56, 106041.	3.9	8
1880	A novel composite based on NiCo2O4@NG/MnOOH nanorods for high-performance supercapacitor electrodes. Journal of Energy Storage, 2022, 56, 105949.	3.9	8
1881	Unveiling the role of surface functional groups for the design of nickel manganese/reduced graphene oxide based composite electrode material for high performance asymmetric supercapacitor. Journal of Energy Storage, 2022, 56, 105994.	3.9	1
1882	Diverse structural constructions of graphene-based composites for supercapacitors and metal-ion batteries. FlatChem, 2022, 36, 100453.	2.8	6
1883	Metalâ€“organic framework induced hybrid NiCo₂S₄/PPy structures with unique interface features for high performance flexible energy storage devices. CrystEngComm, 2022, 24, 8399-8406.	1.3	1
1884	Frontiers and recent developments on supercapacitor's materials, design, and applications: Transport and power system applications. Journal of Energy Storage, 2023, 58, 106104.	3.9	32

#	Article	IF	Citations
1885	Ternary MnCo2O4/MWCNT/rGO nanocomposites as high-performance supercapacitor electrode materials. Journal of Physics and Chemistry of Solids, 2023, 174, 111170.	1.9	5
1886	A 3D nano-sandwich structure constructed by intercalation of aramid nanofibers preventing re-stack of graphene for high surface area electrode materials. Applied Surface Science, 2023, 612, 155903.	3.1	7
1887	Solvothermal and hydrothermal methods for preparative solid-state chemistry. , 2023, , 40-110.		0
1888	Transition metal pyrophosphate (MxP2O7): A new arrival in hybrid supercapacitors. Chemical Engineering Journal, 2023, 455, 140639.	6.6	5
1889	Nanomaterials for supercapacitors as energy storage application: Focus on its characteristics and limitations. Materials Today: Proceedings, 2022, , .	0.9	1
1890	Solidâ€State Redox Mediators for Decoupled H₂ Production: Principle and Challenges. Advanced Energy Materials, 2023, 13, .	10.2	10
1891	Asymmetric Supercapacitors using Manganese Oxide Nanorods and Activated Carbon. ChemistrySelect, 2022, 7, .	0.7	1
1892	Recent Advances in Polymers for Potassium Ion Batteries. Polymers, 2022, 14, 5538.	2.0	5
1893	Original exploration of transition metal single-atom catalysts for NO reduction. Journal of Materials Chemistry A, 0, , .	5.2	1
1894	Characterization of defect structures in nanoscaled W-doped $${ext {TiO}_2}$$ tested as supercapacitor electrode materials. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	6
1895	A Review on Properties and Environmental Applications of Graphene and Its Derivative-Based Composites. Catalysts, 2023, 13, 111.	1.6	10
1896	Potential impact of smart-hybrid supercapacitors in novel electronic devices and electric vehicles. , 2023, , 795-850.		1
1897	Supercapacitorsâ€"new developments. , 2023, , 39-64.		0
1898	Speciation of Oxygen Functional Groups on the Carbon Support Controls the Electrocatalytic Activity of Cobalt Oxide Nanoparticles in the Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2023, 15, 5148-5160.	4.0	9
1899	Flexible supercapacitors. , 2023, , 535-558.		1
1900	Synthesis of hierarchical structure MXene/PANI composite hybrid electrodes for supercapacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 290, 116354.	1.7	5
1901	Improved charge transfer by Ca2+ modified TiO2/graphene conductive material for enhancing conductivity. Surfaces and Interfaces, 2023, 38, 102779.	1.5	0
1902	Optical limiting behavior of metal (Mn, W) oxides decorated nitrogen-doped reduced graphene oxide nanocomposites stimulated by two-photon absorption. Optical Materials, 2023, 139, 113776.	1.7	4

#	Article	IF	Citations
1903	Chemically synthesized manganese oxide nanorods for effectual organic dye removal and energy storage application. Materials Chemistry and Physics, 2023, 299, 127495.	2.0	10
1904	Photocatalytic performances of manganese oxide nanorods decorated graphene oxide nanocomposites. Diamond and Related Materials, 2023, 135, 109820.	1.8	5
1905	MnO2 loaded flower-like carbon microspheres derived from polyimides for high-performance supercapacitors. Electrochimica Acta, 2023, 454, 142417.	2.6	3
1906	Plasma assisted atomic layer deposition NiO nanofilms for improved hybrid solid state electrochromic device. Optical Materials, 2023, 136, 113494.	1.7	4
1907	Evaluation of nanostructured electrode materials for high-performance supercapacitors using multiple-criteria decision-making approach. Electronic Research Archive, 2023, 31, 2286-2314.	0.4	0
1908	Reduced graphene oxide/ionic liquid composites with tunable interlayer spacing for improved charge/discharge kinetics in supercapacitors. Nanotechnology, 2023, 34, 235402.	1.3	1
1909	Sol-Gel Derived Chromium Doped Vanadium Pentoxide Based Nanostructured Electrode Materials for Supercapacitor Applications. Integrated Ferroelectrics, 2023, 232, 158-168.	0.3	1
1910	Multifunctional Electrochromic Devices for Energy Applications. ACS Energy Letters, 2023, 8, 1870-1886.	8.8	38
1911	A review on the electrochemical behavior of grapheneâ€“transition metal oxide nanocomposites for energy storage applications. Journal of Materials Science, 2023, 58, 6124-6150.	1.7	8
1913	Influence of Manganese Dioxide Nanoparticles on MoS2/PANI Nanosheets and Its Energy Storage Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2023, 33, 1657-1666.	1.9	1
1914	A Graphene Oxideâ€“Thioamide Polymer Hybrid for Highâ€Performance Supercapacitor Electrodes. Small Science, 2023, 3, .	5.8	5
1915	Grapheneâ€based Composite Materials as Catalyst for Organic Transformations. ChemistrySelect, 2023, 8, .	0.7	3
1916	Efficient symmetric supercapacitors employing molecular engineered pyrazine functionalized perylene diimide electrode materials. Chemical Engineering Journal Advances, 2023, 14, 100499.	2.4	3
1917	Advances of MnO2 nanomaterials as novel agonists for the development of cGAS-STING-mediated therapeutics. Frontiers in Immunology, 0, 14, .	2.2	3
1918	In-situ synthesis of ultrafine Cu2O nanoparticles onto MnO2 nanosheets for efficient non-enzymatic electrochemical sensing of hydrogen peroxide. Journal of Applied Electrochemistry, 0, , .	1.5	0
1919	Rearrangement of GO nanosheets with inner and outer forces under high-speed spin for supercapacitor. Journal of Colloid and Interface Science, 2023, 644, 167-176.	5.0	4
1924	New development in carbon-based electrodes and electrolytes for enhancement of supercapacitor performance and safety. , 2023, , 353-408.		1
1946	Nanoparticles, nanocomposites, green/eco-composites, and hybrid composites and their applications in energy sectors. , 2023, , .		1

#	Article	IF	Citations
1962	Fabrication and Application of Graphene-Composite Materials. Advances in Material Research and Technology, 2024, , 391-421.	0.3	0
1976	Materials and components used for supercapacitors. , 2024, , 39-56.		0
1977	Review on Current Progress of MnO2-Based Nanocomposites for Supercapacitor Application. Advances in Chemical and Materials Engineering Book Series, 2024, , 218-243.	0.2	0