## Direct reduction of graphene oxide films into highly confilms by hydrohalic acids

Carbon 48, 4466-4474 DOI: 10.1016/j.carbon.2010.08.006

**Citation Report** 

#	Article	IF	CITATIONS
3	Efficient Preparation of Large-Area Graphene Oxide Sheets for Transparent Conductive Films. ACS Nano, 2010, 4, 5245-5252.	14.6	869
4	Bandgap opening in oxygen plasma-treated graphene. Nanotechnology, 2010, 21, 435203.	2.6	289
5	Highly conductive chemically converted graphene prepared from mildly oxidized graphene oxide. Journal of Materials Chemistry, 2011, 21, 7376.	6.7	187
6	Self-assembly of graphene onto electrospun polyamide 66 nanofibers as transparent conductive thin films. Nanotechnology, 2011, 22, 475603.	2.6	46
7	Polyphenol-Reduced Graphene Oxide: Mechanism and Derivatization. Journal of Physical Chemistry C, 2011, 115, 20740-20746.	3.1	104
8	Conductive graphene-based macroscopic membrane self-assembled at a liquid–air interface. Journal of Materials Chemistry, 2011, 21, 3359.	6.7	46
9	Graphene chiral liquid crystals and macroscopic assembled fibres. Nature Communications, 2011, 2, 571.	12.8	936
10	Synthesis of the chemically converted graphene xerogel with superior electrical conductivity. Chemical Communications, 2011, 47, 9672.	4.1	133
11	Highly conducting multilayer films from graphene nanosheets by a spin self-assembly method. Journal of Materials Chemistry, 2011, 21, 5378.	6.7	24
12	Hydration-Responsive Folding and Unfolding in Graphene Oxide Liquid Crystal Phases. ACS Nano, 2011, 5, 8019-8025.	14.6	201
13	Ethanol-Assisted Graphene Oxide-Based Thin Film Formation at Pentane–Water Interface. Langmuir, 2011, 27, 9174-9181.	3.5	73
14	One-pot hydrothermal synthesis of Ag-reduced graphene oxide composite with ionic liquid. Journal of Materials Chemistry, 2011, 21, 7795.	6.7	153
15	Evaluation Criteria for Reduced Graphene Oxide. Journal of Physical Chemistry C, 2011, 115, 11327-11335.	3.1	451
16	Layer-by-layer assembly of graphene/polyaniline multilayer films and their application for electrochromic devices. Polymer, 2011, 52, 5567-5572.	3.8	145
17	Aniline as a dispersing and stabilizing agent for reduced graphene oxide and its subsequent decoration with Ag nanoparticles for enzymeless hydrogen peroxide detection. Journal of Colloid and Interface Science, 2011, 363, 615-619.	9.4	108
18	Fabrication and electrochemical capacitance of hierarchical graphene/polyaniline/carbon nanotube ternary composite film. Electrochimica Acta, 2011, 56, 9224-9232.	5.2	164
19	Ultrasonication-assisted ultrafast reduction of graphene oxide by zinc powder at room temperature. Carbon, 2011, 49, 5389-5397.	10.3	335
20	One-pot reduction of graphene oxide at subzero temperatures. Chemical Communications, 2011, 47, 12370.	4.1	422

	Citation R	TION REPORT	
Article		IF	Citations
Reducing Graphene Oxide via Hydroxylamine: A Simple and Efficient Route to Graphen Physical Chemistry C, 2011, 115, 11957-11961.	e. Journal of	3.1	304
Flexible and Transparent Electrothermal Film Heaters Based on Graphene Materials. Sr 3186-3192.	nall, 2011, 7,	10.0	371
High performance supercapacitors based on reduced graphene oxide in aqueous and i electrolytes. Carbon, 2011, 49, 573-580.	onic liquid	10.3	620
Synthesis of graphene paper from pyrolyzed asphalt. Carbon, 2011, 49, 2852-2861.		10.3	83
A method for the catalytic reduction of graphene oxide at temperatures below 150 $\hat{A}^{o}$ 3024-3030.	C. Carbon, 2011, 49,	10.3	57
Reversible phase transfer of graphene oxide and its use in the synthesis of graphene-b materials. Carbon, 2011, 49, 4563-4570.	ased hybrid	10.3	42
Formation of self-organized graphene honeycomb films on substrates. Carbon, 2011,	49, 3424-3429.	10.3	16
A flexible graphene/multiwalled carbon nanotube film as a high performance electrode supercapacitors. Electrochimica Acta, 2011, 56, 5115-5121.	material for	5.2	243
Dielectrophoretic assembly and atomic force microscopy modification of reduced grap Journal of Applied Physics, 2011, 110, 114515.	phene oxide.	2.5	8
A Green and Mild Approach of Synthesis of Highly-Conductive Graphene Film by Zn Re Exfoliated Graphite Oxide. Chinese Journal of Chemical Physics, 2012, 25, 494-500.	duction of	1.3	14
Graphene Functionalization: A Review. RSC Nanoscience and Nanotechnology, 2012, ,	, 1-52.	0.2	7

32	Self-assembled reduced graphene oxide/carbon nanotube thin films as electrodes for supercapacitors. Journal of Materials Chemistry, 2012, 22, 3591.	6.7	177
33	Layer-by-Layer Graphene/TCNQ Stacked Films as Conducting Anodes for Organic Solar Cells. ACS Nano, 2012, 6, 5031-5039.	14.6	199
34	Recent Advances in Fabrication and Characterization of Graphene-Polymer Nanocomposites. Graphene, 2012, 01, 30-49.	1.0	213
35	Three-dimensional assemblies of graphene prepared by a novel chemical reduction-induced self-assembly method. Nanoscale, 2012, 4, 7038.	5.6	171
36	High-rate capacitive performance of graphene aerogel with a superhigh C/O molar ratio. Journal of Materials Chemistry, 2012, 22, 23186.	6.7	145

Preparation of a poly(methyl methacrylate)-reduced graphene oxide composite with enhanced properties by a solution blending method. European Polymer Journal, 2012, 48, 1674-1682. 74

5.6

754

Three-dimensional graphene architectures. Nanoscale, 2012, 4, 5549.

37

#

21

23

24

25

27

29

31

# 39	ARTICLE Self-assembled large-area Co(OH)2 nanosheets/ionic liquid modified graphene heterostructures toward enhanced energy storage. Journal of Materials Chemistry, 2012, 22, 3404.	IF 6.7	Citations 88
40	A simple and feasible in-situ reduction route for preparation of graphene lubricant films applied to a variety of substrates. Journal of Materials Chemistry, 2012, 22, 8036.	6.7	62
41	Microlitre scale solution processing for controlled, rapid fabrication of chemically derived graphene thin films. Journal of Materials Chemistry, 2012, 22, 3606.	6.7	48
42	Strong, Conductive, Lightweight, Neat Graphene Aerogel Fibers with Aligned Pores. ACS Nano, 2012, 6, 7103-7113.	14.6	599
43	Study on the application of reduced graphene oxide and multiwall carbon nanotubes hybrid materials for simultaneous determination of catechol, hydroquinone, p-cresol and nitrite. Analytica Chimica Acta, 2012, 724, 40-46.	5.4	236
44	Graphene/metal oxide composite electrode materials for energy storage. Nano Energy, 2012, 1, 107-131.	16.0	1,669
45	Tailoring the characteristics of graphite oxide nanosheets for the production of high-performance poly(vinyl alcohol) composites. Carbon, 2012, 50, 5525-5536.	10.3	37
46	One-pot green synthesis of Ag nanoparticles-graphene nanocomposites and their applications in SERS, H <sub>2</sub> O <sub>2</sub> , and glucose sensing. RSC Advances, 2012, 2, 538-545.	3.6	274
47	Dual role of glycine as a chemical functionalizer and a reducing agent in the preparation of graphene: an environmentally friendly method. Journal of Materials Chemistry, 2012, 22, 9696.	6.7	222
48	Grapheneâ€Based Electrodes. Advanced Materials, 2012, 24, 5979-6004.	21.0	829
49	Graphene based catalysts. Energy and Environmental Science, 2012, 5, 8848.	30.8	726
50	Oxygen Bridges between NiO Nanosheets and Graphene for Improvement of Lithium Storage. ACS Nano, 2012, 6, 3214-3223.	14.6	977
51	Review on the latest design of graphene-based inorganic materials. Nanoscale, 2012, 4, 6205.	5.6	90
52	Aramid nanofiber-functionalized graphene nanosheets for polymer reinforcement. Nanoscale, 2012, 4, 7046.	5.6	144
53	Graphene unrolled from â€~cup-stacked' carbon nanotubes. Carbon, 2012, 50, 5421-5428.	10.3	18
54	Chemoselective Photodeoxidization of Graphene Oxide Using Sterically Hindered Amines as Catalyst: Synthesis and Applications. ACS Nano, 2012, 6, 3027-3033.	14.6	82
55	Synthesis of graphene nanosheetsviaoxalic acid-induced chemical reduction of exfoliated graphite oxide. RSC Advances, 2012, 2, 1168-1173.	3.6	139
56	Electrophoretic deposition of high quality transparent conductive graphene films on insulating glass substrates. Journal of Physics: Conference Series, 2012, 352, 012003.	0.4	13

#	Article	IF	CITATIONS
57	Highly efficient dye adsorption and removal: a functional hybrid of reduced graphene oxide–Fe3O4 nanoparticles as an easily regenerative adsorbent. Journal of Materials Chemistry, 2012, 22, 3527.	6.7	369
58	Wet-spinning assembly of continuous, neat and macroscopic graphene fibers. Scientific Reports, 2012, 2, 613.	3.3	257
59	Fabrication of Solid Cylindrical-Shaped Microtowers of ZnO/C Core–Shell Hexagonal Nanorods by Thermolysis. Journal of Physical Chemistry C, 2012, 116, 23153-23159.	3.1	20
60	Temperature-dependent electrical property transition of graphene oxide paper. Nanotechnology, 2012, 23, 455705.	2.6	96
61	Redox chemistry between graphene oxide and mercaptan. Journal of Materials Chemistry, 2012, 22, 18564.	6.7	22
62	A one-pot method for the preparation of graphene–Bi2MoO6 hybrid photocatalysts that are responsive to visible-light and have excellent photocatalytic activity in the degradation of organic pollutants. Carbon, 2012, 50, 5256-5264.	10.3	125
63	Sulfated Graphene Oxide as a Hole-Extraction Layer in High-Performance Polymer Solar Cells. Journal of Physical Chemistry Letters, 2012, 3, 1928-1933.	4.6	151
64	A facile green strategy for rapid reduction of graphene oxide by metallic zinc. RSC Advances, 2012, 2, 8827.	3.6	213
65	Chemical reduction of an aqueous suspension of graphene oxide by nascent hydrogen. Journal of Materials Chemistry, 2012, 22, 10530.	6.7	211
66	Graphene-based composites. Chemical Society Reviews, 2012, 41, 666-686.	38.1	3,513
67	High-Performance Asymmetric Supercapacitor Based on Graphene Hydrogel and Nanostructured MnO <sub>2</sub> . ACS Applied Materials & Interfaces, 2012, 4, 2801-2810.	8.0	681
68	Graphene–inorganic nanocomposites. RSC Advances, 2012, 2, 64-98.	3.6	547
69	Growth of Copper Nanocubes on Graphene Paper as Free-Standing Electrodes for Direct Hydrazine Fuel Cells. Journal of Physical Chemistry C, 2012, 116, 7719-7725.	3.1	114
70	A Novel Solid-State Thermal Rectifier Based On Reduced Graphene Oxide. Scientific Reports, 2012, 2, 523.	3.3	156
71	The Fabrication, Properties, and Uses of Graphene/Polymer Composites. Macromolecular Chemistry and Physics, 2012, 213, 1060-1077.	2.2	537
72	A Photoresponsive Hybrid Nanomaterial Based on Graphene and Polyhedral Oligomeric Silsesquioxanes. European Journal of Inorganic Chemistry, 2012, 2012, 5282-5287.	2.0	18
73	Graphene oxide and its reduction: modeling and experimental progress. RSC Advances, 2012, 2, 2643.	3.6	463
74	Growth of Metal–Metal Oxide Nanostructures on Freestanding Graphene Paper for Flexible Biosensors. Advanced Functional Materials, 2012, 22, 2487-2494.	14.9	246

#	Article	IF	CITATIONS
75	Bioâ€Inspired Nacreâ€Iike Composite Films Based on Graphene with Superior Mechanical, Electrical, and Biocompatible Properties. Advanced Materials, 2012, 24, 3426-3431.	21.0	389
76	Hybrid Films with Graphene Oxide and Metal Nanoparticles Could Now Replace Indium Tin Oxide. ACS Nano, 2012, 6, 4565-4572.	14.6	49
77	Synthesis of network reduced graphene oxide in polystyrene matrix by a two-step reduction method for superior conductivity of the composite. Journal of Materials Chemistry, 2012, 22, 17254.	6.7	212
78	Ultrafast reduction of graphene oxide with Zn powder in neutral and alkaline solutions at room temperature promoted by the formation of metal complexes. Journal of Materials Chemistry, 2012, 22, 9109.	6.7	58
79	Focusing on Energy and Optoelectronic Applications: A Journey for Graphene and Graphene Oxide at Large Scale. Accounts of Chemical Research, 2012, 45, 598-607.	15.6	310
80	Annealing a graphene oxide film to produce a free standing high conductive graphene film. Carbon, 2012, 50, 659-667.	10.3	287
81	UV light exposure of aqueous graphene oxide suspensions to promote their direct reduction, formation of graphene–metal nanoparticle hybrids and dye degradation. Carbon, 2012, 50, 1014-1024.	10.3	171
82	The reduction of graphene oxide. Carbon, 2012, 50, 3210-3228.	10.3	4,247
83	Simple and cost-effective reduction of graphite oxide by sulfuric acid. Carbon, 2012, 50, 3229-3232.	10.3	70
84	The role of microwave absorption on formation of graphene from graphite oxide. Carbon, 2012, 50, 3267-3273.	10.3	250
85	Anodic chlorine/nitrogen co-doping of reduced graphene oxide films at room temperature. Carbon, 2012, 50, 3333-3341.	10.3	44
86	One-step solid state preparation of reduced graphene oxide. Carbon, 2012, 50, 2134-2140.	10.3	157
87	High-performance supercapacitor electrodes based on highly corrugated graphene sheets. Carbon, 2012, 50, 2179-2188.	10.3	397
88	Restoration of graphene from graphene oxide by defect repair. Carbon, 2012, 50, 2581-2587.	10.3	235
89	Self-assembly of silver–graphene hybrid on electrospun polyurethane nanofibers as flexible transparent conductive thin films. Carbon, 2012, 50, 3473-3481.	10.3	52
90	Low-cost preparation of a conductive and catalytic graphene film from chemical reduction with AlI3. Carbon, 2012, 50, 3497-3502.	10.3	20
91	Structural evolution during annealing of thermally reduced graphene nanosheets for application in supercapacitors. Carbon, 2012, 50, 3572-3584.	10.3	362
92	Visualization of defect densities in reduced graphene oxide. Carbon, 2012, 50, 3666-3673.	10.3	476

#	Article	IF	CITATIONS
93	Effects of reduction process and carbon nanotube content on the supercapacitive performance of flexible graphene oxide papers. Carbon, 2012, 50, 4239-4251.	10.3	109
94	Chemical functionalization of graphene and its applications. Progress in Materials Science, 2012, 57, 1061-1105.	32.8	1,612
95	Effect of functional groups of carbon nanotubes on the cyclization mechanism of polyacrylonitrile (PAN). Polymer, 2012, 53, 2168-2174.	3.8	72
96	Graphene oxide adsorption enhanced by in situ reduction with sodium hydrosulfite to remove acridine orange from aqueous solution. Journal of Hazardous Materials, 2012, 203-204, 101-110.	12.4	184
97	Engineering of a novel pluronic F127/graphene nanohybrid for pH responsive drug delivery. Journal of Biomedical Materials Research - Part A, 2012, 100A, 141-148.	4.0	179
98	Annealing effect on the optoelectronic properties of graphene oxide thin films. Applied Nanoscience (Switzerland), 2013, 3, 477-483.	3.1	19
99	Effect of hydroiodic acid-reduction of graphene oxide on electrical properties of polybenzimidazobenzophenanthroline/graphene oxide nanocomposites. Macromolecular Research, 2013, 21, 1254-1262.	2.4	6
100	Synthesis of Pt–Ni/graphene via in situ reduction and its enhanced catalyst activity for methanol oxidation. Chemical Communications, 2013, 49, 7486.	4.1	55
101	A solvothermal method to produce RGO-Fe3O4 hybrid composite for fast chromium removal from aqueous solution. Applied Surface Science, 2013, 283, 1024-1031.	6.1	79
102	Reduction of graphene oxide through a green and metal-free approach using formic acid. Diamond and Related Materials, 2013, 37, 74-79.	3.9	40
103	Reduction of free-standing graphene oxide papers by a hydrothermal process at the solid/gas interface. RSC Advances, 2013, 3, 2971.	3.6	29
104	Flexible and large-area sound-emitting device using reduced graphene oxide. , 2013, , .		4
105	Identifying efficient natural bioreductants for the preparation of graphene and graphene-metal nanoparticle hybrids with enhanced catalytic activity from graphite oxide. Carbon, 2013, 63, 30-44.	10.3	42
106	Direct exfoliation of graphite using a non-ionic polymer surfactant for fabrication of transparent and conductive graphene films. Journal of Materials Chemistry C, 2013, 1, 1870.	5.5	61
107	Direct electron transfer reaction of laccase on a glassy carbon electrode modified with 1-aminopyrene functionalized reduced graphene oxide. RSC Advances, 2013, 3, 18036.	3.6	26
108	Graphene/silver nanowire sandwich structures for transparent conductive films. Carbon, 2013, 63, 390-396.	10.3	68
109	A rationally designed composite of alternating strata of Si nanoparticles and graphene: a high-performance lithium-ion battery anode. Nanoscale, 2013, 5, 8586.	5.6	72
110	Spontaneous exfoliation of graphite oxide in polar aprotic solvents as the route to produce graphene oxide $\hat{a} \in $ organic solvents liquid crystals. Carbon, 2013, 64, 403-415.	10.3	69

#	Article	IF	CITATIONS
111	Raman spectroscopy for the study of reduction mechanisms and optimization of conductivity in graphene oxide thin films. Journal of Materials Chemistry C, 2013, 1, 6905.	5.5	259
112	Graphene/Fe <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> Ternary Nanocomposites as a High-Performance Anode for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 8607-8614.	8.0	129
113	Preparation of highly stacked graphene papers via site-selective functionalization of graphene oxide. Journal of Materials Chemistry A, 2013, 1, 12893.	10.3	46
114	Solution-based production of graphene nano-platelets containing extremely low amounts of heteroatoms. Solid State Sciences, 2013, 25, 1-5.	3.2	9
115	Nacre-like graphene paper reinforced by polybenzimidazole. RSC Advances, 2013, 3, 20353.	3.6	18
116	Highly controllable and green reduction of graphene oxide to flexible graphene film with high strength. Materials Research Bulletin, 2013, 48, 4797-4803.	5.2	64
117	Theoretical characterization of reduction dynamics for graphene oxide by alkaline-earth metals. Carbon, 2013, 52, 122-127.	10.3	30
118	Sulfuric Acid Intercalated Graphite Oxide for Graphene Preparation. Scientific Reports, 2013, 3, 3439.	3.3	98
119	A unique sandwich-structured C/Ge/graphene nanocomposite as an anode material for high power lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 14115.	10.3	80
120	Reduced graphene oxide with a highly restored ï€-conjugated structure for inkjet printing and its use in all-carbon transistors. Nano Research, 2013, 6, 842-852.	10.4	68
121	Self-Assembled Free-Standing Graphene Oxide Fibers. ACS Applied Materials & Interfaces, 2013, 5, 1489-1493.	8.0	41
122	Solid-phase electrochemical reduction of graphene oxide films in alkaline solution. Nanoscale Research Letters, 2013, 8, 397.	5.7	56
123	Layer-by-layer self-assembly of ultrathin multilayer films composed of magnetite/reduced graphene oxide bilayers for supercapacitor application. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 104-112.	4.7	58
124	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. Chemistry of Materials, 2013, 25, 4839-4848.	6.7	12
125	Synthesis of rGO-supported layered MoS2 for high-performance rechargeable Mg batteries. Nanoscale, 2013, 5, 9562.	5.6	123
126	A reduced graphene oxide sound-emitting device: a new use for Joule heating. RSC Advances, 2013, 3, 17672.	3.6	22
127	Photoelectrochemical Properties of Graphene and Its Derivatives. Nanomaterials, 2013, 3, 325-356.	4.1	104
128	Excellent optoelectrical properties of graphene oxide thin films deposited on a flexible substrate by Langmuir–Blodgett assembly. Journal of Materials Chemistry C, 2013, 1, 6869.	5.5	59

#	Article	IF	CITATIONS
129	High capacitive performance of flexible and binder-free graphene–polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. Nanoscale, 2013, 5, 9860.	5.6	93
130	All-carbon composite paper as a flexible conducting substrate for the direct growth of polyaniline particles and its applications in supercapacitors. Polymer Chemistry, 2013, 4, 5785.	3.9	32
131	Graphene homogeneously anchored with Ni(OH)2 nanoparticles as advanced supercapacitor electrodes. CrystEngComm, 2013, 15, 10007.	2.6	99
132	Liquid crystal self-templating approach to ultrastrong and tough biomimic composites. Scientific Reports, 2013, 3, 2374.	3.3	91
133	High performance supercapacitor electrode based on graphene paper via flame-induced reduction of graphene oxide paper. Journal of Power Sources, 2013, 222, 52-58.	7.8	183
134	Flexible graphene–polyaniline composite paper for high-performance supercapacitor. Energy and Environmental Science, 2013, 6, 1185.	30.8	970
135	Reduction of graphene oxide with l-lysine to prepare reduced graphene oxide stabilized with polysaccharide polyelectrolyte. Journal of Materials Chemistry A, 2013, 1, 2192-2201.	10.3	78
136	The effect of heating rate on porosity production during the low temperature reduction of graphite oxide. Carbon, 2013, 53, 73-80.	10.3	59
137	Patterning flexible single-walled carbon nanotube thin films by an ozone gas exposure method. Carbon, 2013, 53, 4-10.	10.3	23
138	Graphene-related nanomaterials: tuning properties by functionalization. Nanoscale, 2013, 5, 4541.	5.6	614
139	Reduction of graphene oxide with substituted borohydrides. Journal of Materials Chemistry A, 2013, 1, 1892-1898.	10.3	127
140	A facile and cost-effective approach to the reduction of exfoliated graphite oxide using sodium hypophosphite under acidic conditions. Journal of Materials Chemistry C, 2013, 1, 690-694.	5.5	20
141	Improving the mechanical properties of graphene oxide based materials by covalent attachment of polymer chains. Carbon, 2013, 52, 363-371.	10.3	232
142	Recent advances in the efficient reduction of graphene oxide and its application as energy storage electrode materials. Nanoscale, 2013, 5, 52-71.	5.6	432
143	Percolation effect and thermoplasticity of conducting [poly(acrylic acid)/C16TAB-modified graphene oxide]n multilayer films. Journal of Materials Science, 2013, 48, 1843-1851.	3.7	4
144	P-type reduced graphene oxide membranes induced by iodine doping. Journal of Materials Science, 2013, 48, 2284-2289.	3.7	28
145	Ultratough Artificial Nacre Based on Conjugated Crossâ€ <del>l</del> inked Graphene Oxide. Angewandte Chemie - International Edition, 2013, 52, 3750-3755.	13.8	278
146	Spectrum analysis of the reduction degree of two-step reduced graphene oxide (GO) and the polymer/r-GO composites. Materials Chemistry and Physics, 2013, 143, 240-246.	4.0	15

#	Article	IF	CITATIONS
147	Ultrafast room-temperature reduction of graphene oxide to graphene with excellent dispersibility by lithium naphthalenide. Carbon, 2013, 63, 165-174.	10.3	23
148	The production of organogels using graphene oxide as the gelator for use in high-performance quasi-solid state dye-sensitized solar cells. Carbon, 2013, 54, 48-57.	10.3	44
149	Impedimetric immunosensor based on gold nanoparticles modified graphene paper for label-free detection of Escherichia coli O157:H7. Biosensors and Bioelectronics, 2013, 49, 492-498.	10.1	183
150	Assembled gold nanoparticles on nitrogen-doped graphene for ultrasensitive electrochemical detection of matrix metalloproteinase-2. Carbon, 2013, 61, 357-366.	10.3	91
151	Simple fabrication of strongly coupled cobalt ferrite/carbon nanotube composite based on deoxygenation for improving lithium storage. Carbon, 2013, 65, 112-123.	10.3	76
152	Electron-irradiation-induced reinforcement of reduced graphene oxide papers. Acta Materialia, 2013, 61, 6466-6473.	7.9	21
153	A reduced graphene oxide based biosensor for high-sensitive detection of phenols in water samples. Sensors and Actuators B: Chemical, 2013, 181, 661-667.	7.8	103
154	The mechanism of the reaction of graphite oxide to reduced graphene oxide under ultraviolet irradiation. Carbon, 2013, 54, 412-418.	10.3	68
155	Graphene and its derivatives for the development of solar cells, photoelectrochemical, and photocatalytic applications. Energy and Environmental Science, 2013, 6, 1362.	30.8	355
156	A rapid and easy approach for the reduction of graphene oxide by formamidinesulfinic acid. Carbon, 2013, 54, 36-41.	10.3	51
157	Environmental applications using graphene composites: water remediation and gas adsorption. Nanoscale, 2013, 5, 3149.	5.6	472
158	Highly selective gas sensor arrays based on thermally reduced graphene oxide. Nanoscale, 2013, 5, 5426.	5.6	270
159	Visible light-induced photocatalytic reduction of graphene oxide by tungsten oxide thin films. Applied Surface Science, 2013, 276, 628-634.	6.1	26
160	A Method for Fabricating an Ultrathin Multilayer Film Composed of Poly( <i>p</i> â€phenylenevinylene) and Reduced Graphene Oxide on a Plastic Substrate for Flexible Optoelectronic Applications. Advanced Functional Materials, 2013, 23, 4657-4666.	14.9	9
161	Cellulose nanofibers/reduced graphene oxide flexible transparent conductive paper. Carbohydrate Polymers, 2013, 97, 243-251.	10.2	131
162	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. Journal of Materials Chemistry C, 2013, 1, 3104.	5.5	150
163	Tuning the Electrical and Optical Properties of Graphene by Ozone Treatment for Patterning Monolithic Transparent Electrodes. ACS Nano, 2013, 7, 4233-4241.	14.6	84
164	Graphene in lithium ion battery cathode materials: A review. Journal of Power Sources, 2013, 240, 66-79.	7.8	534

#	Article	IF	CITATIONS
165	A new rapid chemical route to prepare reduced graphene oxide using copper metal nanoparticles. Nanotechnology, 2013, 24, 215604.	2.6	27
166	Graphene oxide–Fe2O3 hybrid material as highly efficient heterogeneous catalyst for degradation of organic contaminants. Carbon, 2013, 60, 437-444.	10.3	335
167	Strong and conductive polybenzimidazole composites with high graphene contents. RSC Advances, 2013, 3, 12255.	3.6	17
168	Paper-based transparent flexible thin film supercapacitors. Nanoscale, 2013, 5, 5307.	5.6	100
169	Highly Electrically Conductive Agâ€Doped Graphene Fibers as Stretchable Conductors. Advanced Materials, 2013, 25, 3249-3253.	21.0	257
170	Toward high performance graphene fibers. Nanoscale, 2013, 5, 5809.	5.6	101
171	Bioinspired design and macroscopic assembly of poly(vinyl alcohol)-coated graphene into kilometers-long fibers. Nanoscale, 2013, 5, 4370.	5.6	105
173	Nickel nanoparticle–chitosan-reduced graphene oxide-modified screen-printed electrodes for enzyme-free glucose sensing in portable microfluidic devices. Biosensors and Bioelectronics, 2013, 47, 530-538.	10.1	185
174	Large-Scale Spinning Assembly of Neat, Morphology-Defined, Graphene-Based Hollow Fibers. ACS Nano, 2013, 7, 2406-2412.	14.6	137
175	Construction of sheet–belt hybrid nanostructures from one-dimensional mesoporous TiO2(B) nanobelts and graphene sheets for advanced lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 2495.	10.3	78
176	Fabrication of transparent, flexible conducing graphene thin films via soft transfer printing method. Applied Surface Science, 2013, 276, 437-446.	6.1	26
177	Facile one-step hydrazine-assisted solvothermal synthesis of nitrogen-doped reduced graphene oxide: reduction effect and mechanisms. RSC Advances, 2013, 3, 1194-1200.	3.6	140
178	Freestanding graphene paper decorated with 2D-assembly of Au@Pt nanoparticles as flexible biosensors to monitor live cell secretion of nitric oxide. Biosensors and Bioelectronics, 2013, 49, 71-78.	10.1	108
179	Effects of graphene reduction degree on capacitive performances of graphene/PANI composites. Synthetic Metals, 2013, 175, 88-96.	3.9	42
180	Growth of coral-like PtAu–MnO2 binary nanocomposites on free-standing graphene paper for flexible nonenzymatic glucose sensors. Biosensors and Bioelectronics, 2013, 41, 417-423.	10.1	142
181	Spontaneous Reduction and Assembly of Graphene oxide into Three-Dimensional Graphene Network on Arbitrary Conductive Substrates. Scientific Reports, 2013, 3, 2065.	3.3	157
182	Macroscopic assembled, ultrastrong and H2SO4-resistant fibres of polymer-grafted graphene oxide. Scientific Reports, 2013, 3, 3164.	3.3	80
183	Low loading platinum nanoparticles on reduced graphene oxide-supported tungsten carbide crystallites as a highly active electrocatalyst for methanol oxidation. Electrochimica Acta, 2013, 114, 133-141.	5.2	41

#	Article	IF	CITATIONS
184	Synthesis of graphene-like materials by graphite oxide reduction. Russian Chemical Bulletin, 2013, 62, 1962-1966.	1.5	23
185	Flexible high performance wet-spun graphene fiber supercapacitors. RSC Advances, 2013, 3, 23957.	3.6	152
186	Study of the deposition of graphene oxide by matrix-assisted pulsed laser evaporation. Journal Physics D: Applied Physics, 2013, 46, 505309.	2.8	18
187	Fabrication of Uniformly Growing Graphene Films via the Dip-Coating Method. Applied Mechanics and Materials, 0, 320, 185-189.	0.2	1
188	All-carbon-based field effect transistors fabricated by aerosol jet printing on flexible substrates. Journal of Micromechanics and Microengineering, 2013, 23, 065027.	2.6	32
189	Assembly of thermally reduced graphene oxide nanostructures by alternating current dielectrophoresis as hydrogen-gas sensors. Applied Physics Letters, 2013, 103, .	3.3	30
190	Improved Signal-to-Noise Ratio of Green-Sensitive Organic Photoconductive Device by Doping Silole Derivative. Molecular Crystals and Liquid Crystals, 2013, 578, 119-126.	0.9	2
191	Synthesis of reduced graphene oxide and its electrochemical sensing of 4-nitrophenol. , 2013, , .		0
192	Graphene-Based Nanomaterials as Heterogeneous Acid Catalysts: A Comprehensive Perspective. Molecules, 2014, 19, 14582-14614.	3.8	117
193	Transparent conductive graphene films prepared by hydroiodic acid and thermal reduction. Chinese Physics B, 2014, 23, 028103.	1.4	23
194	Graphene–Titania Hybrid Photoanodes by Supersonic Kinetic Spraying for Solar Water Splitting. Journal of the American Ceramic Society, 2014, 97, 3660-3668.	3.8	11
195	The adsorption of water-soluble ionic liquids on graphene oxide of different oxygen content. RSC Advances, 2014, 4, 58536-58545.	3.6	11
196	Gold Nanoparticle-Graphene Oxide Nanocomposites That Enhance the Device Performance of Polymer Solar Cells. Journal of Nanomaterials, 2014, 2014, 1-12.	2.7	8
197	Simultaneous Determination of Uric Acid and Xanthine Using a Poly(Methylene Blue) and Electrochemically Reduced Graphene Oxide Composite Film Modified Electrode. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-10.	1.6	13
198	Modified Reduced Graphene Oxide with Enhanced Solubility and Conductivity and its Application. Advanced Materials Research, 2014, 989-994, 859-862.	0.3	0
199	Flexible and transparent reduced graphene oxide and silk fibroin composite films with kilo-ohm square resistance. International Journal of Nanotechnology, 2014, 11, 298.	0.2	4
200	Preparation of reduced graphene oxide films by dip coating technique and their electrical conductivity. Materials Technology, 2014, 29, 14-20.	3.0	14
201	Special microwaveâ€assisted oneâ€pot synthesis of low loading Pt–Ru alloy nanoparticles on reduced graphene oxide for methanol oxidation. Micro and Nano Letters, 2014, 9, 50-54.	1.3	12

#	Article	IF	CITATIONS
202	Comprehensive study of graphene grown by chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2014, 25, 4333-4338.	2.2	9
203	One-step in situ synthesis of SnS/graphene nanocomposite with enhanced electrochemical performance for lithium ion batteries. Journal of Electroanalytical Chemistry, 2014, 728, 134-139.	3.8	51
204	Pâ€93: Highly Conductive and Uniform Graphene hybrid Electrode with Chemical Reduction for Flexible Organic Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2014, 45, 1336-1339.	0.3	0
205	Graphene oxide reduced and modified by environmentally friendly glycylglycine and its excellent catalytic performance. Nanotechnology, 2014, 25, 135707.	2.6	39
206	Enhanced Electrochemical Performance of Reduced Graphene Oxides by H <sub>2</sub> /Ar Plasma Treatment. Journal of Physical Chemistry C, 2014, 118, 28440-28447.	3.1	29
207	Direct Observation of Atomic Dynamics and Silicon Doping at a Topological Defect in Graphene. Angewandte Chemie - International Edition, 2014, 53, 8908-8912.	13.8	37
209	Self-Assembled, Redox-Active Graphene Electrodes for High-Performance Energy Storage Devices. Journal of Physical Chemistry Letters, 2014, 5, 4324-4330.	4.6	31
210	Simple synthesis of bimetallic alloyed Pd–Au nanochain networks supported on reduced graphene oxide for enhanced oxygen reduction reaction. RSC Advances, 2014, 4, 52640-52646.	3.6	24
211	Improved Synthesis of Reduced Graphene Oxide-Titanium Dioxide Composite with Highly Exposed{001}Facets and Its Photoelectrochemical Response. International Journal of Photoenergy, 2014, 2014, 1-9.	2.5	19
212	One-pot surface functionalization and reduction of graphene oxide with long-chain molecules: Preparation and its enhancement on the thermal and mechanical properties of polyurea. Chemical Engineering Journal, 2014, 236, 233-241.	12.7	75
213	γ-ray irradiation effects on graphene oxide in an ethylenediamine aqueous solution. Radiation Physics and Chemistry, 2014, 94, 80-83.	2.8	41
214	3D-interconnected Nanoporous RGO-CNT Structure for Supercapacitors Application. Electrochimica Acta, 2014, 125, 536-542.	5.2	46
215	Hierarchical assembly of graphene/polyaniline nanostructures to synthesize free-standing supercapacitor electrode. Composites Science and Technology, 2014, 98, 1-8.	7.8	346
216	Self-assembly of porous-graphite/silicon/carbon composites for lithium-ion batteries. Powder Technology, 2014, 254, 403-406.	4.2	13
217	Graphene nanosheets synthesis via chemical reduction of graphene oxide using sodium acetate trihydrate solution. Synthetic Metals, 2014, 193, 132-138.	3.9	69
218	Reduced graphene oxide with ultrahigh conductivity as carbon coating layer for high performance sulfur@reduced graphene oxide cathode. Journal of Power Sources, 2014, 245, 529-536.	7.8	76
219	Synthesis and characterization of graphene and carbon nanotubes: A review on the past and recent developments. Journal of Industrial and Engineering Chemistry, 2014, 20, 1171-1185.	5.8	307
220	Facile synthesis of porous Pt–Pd nanospheres supported on reduced graphene oxide nanosheets for enhanced methanol electrooxidation. Journal of Power Sources, 2014, 247, 213-218.	7.8	136

# 221	ARTICLE A review of graphene and graphene oxide sponge: material synthesis and applications to energy and the environment. Energy and Environmental Science, 2014, 7, 1564.	IF 30.8	Citations 996
222	Simple approach for large-scale production of reduced graphene oxide films. Chemical Engineering Journal, 2014, 243, 340-346.	12.7	12
223	Structural Diversity of Bulky Graphene Materials. Small, 2014, 10, 2200-2214.	10.0	41
224	Functionalization of graphene and few-layer graphene films in an hydrofluoric acid aqueous solution. Nanotechnologies in Russia, 2014, 9, 51-59.	0.7	24
225	The reduction of graphene oxide by elemental copper and its application in the fabrication of graphene supercapacitor. Journal of Solid State Electrochemistry, 2014, 18, 1621-1626.	2.5	48
226	Humidity-sensing properties of chemically reduced graphene oxide/polymer nanocomposite film sensor based on layer-by-layer nano self-assembly. Sensors and Actuators B: Chemical, 2014, 197, 66-72.	7.8	439
227	Graphene oxide-based transparent conductive films. Progress in Materials Science, 2014, 64, 200-247.	32.8	263
228	Investigation of Platinum Dispersed on Reduced Graphene Oxideâ€supported Tungsten Carbide via Sacrificial Cu Adlayers for Methanol Oxidation. Chinese Journal of Chemistry, 2014, 32, 233-240.	4.9	14
229	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. Nanoscale, 2014, 6, 5624.	5.6	320
230	Coaxial wet-spun yarn supercapacitors for high-energy density and safe wearable electronics. Nature Communications, 2014, 5, 3754.	12.8	1,000
231	Regeneration of a Conjugated sp <sup>2</sup> Graphene System through Selective Defunctionalization of Epoxides by Using a Proven Synthetic Chemistry Mechanism. Chemistry - A European Journal, 2014, 20, 1871-1877.	3.3	25
233	25th Anniversary Article: Carbon Nanotube―and Grapheneâ€Based Transparent Conductive Films for Optoelectronic Devices. Advanced Materials, 2014, 26, 1958-1991.	21.0	350
234	Selfâ€Assembly of Graphene Oxide at Interfaces. Advanced Materials, 2014, 26, 5586-5612.	21.0	334
235	Magnetically Induced Anisotropic Orientation of Graphene Oxide Locked by <i>in Situ</i> Hydrogelation. ACS Nano, 2014, 8, 4640-4649.	14.6	113
236	Chemical reduction of graphene oxide: a synthetic chemistry viewpoint. Chemical Society Reviews, 2014, 43, 291-312.	38.1	1,479
237	Facile preparation of an n-type reduced graphene oxide field effect transistor at room temperature. Chemical Communications, 2014, 50, 1224-1226.	4.1	41
238	Transparent conductive thin film of ultra large reduced graphene oxide monolayers. Applied Surface Science, 2014, 295, 59-65.	6.1	65
239	Role of thickness and intercalated water in the facile reduction of graphene oxide employing camera flash. Nanotechnology, 2014, 25, 075702.	2.6	11

	CITATION RI	CITATION REPORT	
#	Article	IF	CITATIONS
240	Iodide-mediated room temperature reduction of graphene oxide: a rapid chemical route for the synthesis of a bifunctional electrocatalyst. Journal of Materials Chemistry A, 2014, 2, 1332-1340.	10.3	137
241	Recyclable catalyst for catalytic hydrogenation of phenylacetylene by coupling Pd nanoparticles with highly compressible graphene aerogels. RSC Advances, 2014, 4, 59977-59980.	3.6	16
242	Rod-coating all-solution fabrication of double functional graphene oxide films for flexible alternating current (AC)-driven light-emitting diodes. RSC Advances, 2014, 4, 55671-55676.	3.6	8
243	Reduced graphite oxide/SnO <sub>2</sub> /Au hybrid nanomaterials for NO <sub>2</sub> sensing performance at relatively low operating temperature. RSC Advances, 2014, 4, 57436-57441.	3.6	38
244	New Insights into the Electronic Transport of Reduced Graphene Oxide Using Scanning Electrochemical Microscopy. Journal of Physical Chemistry Letters, 2014, 5, 4162-4166.	4.6	13
246	Iodine-treated heteroatom-doped carbon: conductivity driven electrocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 18115-18124.	10.3	56
247	The effect of the reduction extent on the performance of graphene/poly(vinyl alcohol) composites. Journal of Materials Chemistry A, 2014, 2, 14173.	10.3	33
248	Preparation of PVDF/graphene ferroelectric composite films by in situ reduction with hydrobromic acids and their properties. RSC Advances, 2014, 4, 45220-45229.	3.6	107
249	An efficient way to reduce graphene oxide by water elimination using phosphoric acid. RSC Advances, 2014, 4, 29173.	3.6	14
250	Laser induced self-propagating reduction and exfoliation of graphite oxide as an electrode material for supercapacitors. Electrochimica Acta, 2014, 141, 271-278.	5.2	18
251	Self-Assembled Reduced Graphene Oxide/Polyacrylamide Conductive Composite Films. ACS Applied Materials & Interfaces, 2014, 6, 19783-19790.	8.0	22
252	A novel bottom-up solvothermal synthesis of carbon nanosheets. Journal of Materials Chemistry A, 2014, 2, 2390.	10.3	38
253	Semimetallic-to-metallic transition and mobility enhancement enabled by reversible iodine doping of graphene. Nanoscale, 2014, 6, 13196-13202.	5.6	26
254	Novel electromechanical actuation based on a spongy graphene paper. Chemical Communications, 2014, 50, 4951.	4.1	21
255	Wet-Spun Continuous Graphene Films. Chemistry of Materials, 2014, 26, 6786-6795.	6.7	186
256	Bandgap engineering through nanocrystalline magnetic alloy grafting on reduced graphene oxide. Physical Chemistry Chemical Physics, 2014, 16, 19661-19667.	2.8	12
257	Effective low temperature reduction of graphene oxide with vanadium(iii). Journal of Materials Chemistry C, 2014, 2, 3602.	5.5	9
258	A freestanding composite film electrode stacked from hierarchical electrospun SnO2 nanorods and graphene sheets for reversible lithium storage. RSC Advances, 2014, 4, 9367-9371.	3.6	26

#	Article	IF	CITATIONS
259	Near room temperature reduction of graphene oxide Langmuir–Blodgett monolayers by hydrogen plasma. Physical Chemistry Chemical Physics, 2014, 16, 11708.	2.8	24
260	Graphene fiber-based asymmetric micro-supercapacitors. Journal of Materials Chemistry A, 2014, 2, 9736-9743.	10.3	172
261	Synthesis, characterization, in vitro phantom imaging, and cytotoxicity of a novel graphene-based multimodal magnetic resonance imaging-X-ray computed tomography contrast agent. Journal of Materials Chemistry B, 2014, 2, 3519-3530.	5.8	95
262	Mechanically strong high performance layered polypyrrole nano fibre/graphene film for flexible solid state supercapacitor. Carbon, 2014, 79, 554-562.	10.3	109
263	3D conductive network-based free-standing PANI–RGO–MWNTs hybrid film for high-performance flexible supercapacitor. Journal of Materials Chemistry A, 2014, 2, 12340-12347.	10.3	92
264	Durable and Water-Floatable Ionic Polymer Actuator with Hydrophobic and Asymmetrically Laser-Scribed Reduced Graphene Oxide Paper Electrodes. ACS Nano, 2014, 8, 2986-2997.	14.6	199
265	Three-Dimensional Macroporous Graphene Foam Filled with Mesoporous Polyaniline Network for High Areal Capacitance. ACS Sustainable Chemistry and Engineering, 2014, 2, 2291-2296.	6.7	62
266	Using a Layer-by-Layer Assembly Method To Fabricate a Uniform and Conductive Nitrogen-Doped Graphene Anode for Indium–Tin Oxide-Free Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2014, 6, 15753-15759.	8.0	20
267	Conductive polymer nanocomposites with hierarchical multi-scale structures via self-assembly of carbon-nanotubes on graphene on polymer-microspheres. Nanoscale, 2014, 6, 7877-7888.	5.6	66
269	One-pot facile synthesis of CuS/graphene composite as anode materials for lithium ion batteries. Journal of Physics and Chemistry of Solids, 2014, 75, 1205-1209.	4.0	71
270	High-Rate, Ultralong Cycle-Life Lithium/Sulfur Batteries Enabled by Nitrogen-Doped Graphene. Nano Letters, 2014, 14, 4821-4827.	9.1	683
271	Trends in green reduction of graphene oxides, issues and challenges: A review. Materials Research Bulletin, 2014, 59, 323-328.	5.2	108
272	Graphene produced by electrochemical exfoliation. , 2014, , 81-98.		5
273	Freeâ€Standing Nitrogenâ€doped Graphene Paper as Electrodes for Highâ€Performance Lithium/Dissolved Polysulfide Batteries. ChemSusChem, 2014, 7, 2545-2553.	6.8	153
274	Transition of gas sensing behavior in non-reduced graphene oxides with thermal annealing. Materials Letters, 2014, 136, 164-167.	2.6	17
275	Pulicaria glutinosa plant extract: a green and eco-friendly reducing agent for the preparation of highly reduced graphene oxide. RSC Advances, 2014, 4, 24119-24125.	3.6	73
276	Theoretical simulation of reduction mechanism of graphene oxide in sodium hydroxide solution. Physical Chemistry Chemical Physics, 2014, 16, 12858.	2.8	49
277	Fabrication of Ultralong Hybrid Microfibers from Nanosheets of Reduced Graphene Oxide and Transitionâ€Metal Dichalcogenides and their Application as Supercapacitors. Angewandte Chemie - International Edition, 2014, 53, 12576-12580.	13.8	119

#	Article	IF	CITATIONS
278	One-pot sonochemical synthesis of reduced graphene oxide uniformly decorated with ultrafine silver nanoparticles for non-enzymatic detection of H <sub>2</sub> O <sub>2</sub> and optical detection of mercury ions. RSC Advances, 2014, 4, 36401-36411.	3.6	89
279	Mechanical properties of polybutadiene reinforced with octadecylamine modified graphene oxide. Polymer, 2014, 55, 5389-5395.	3.8	76
280	Chemically patterned polyaniline arrays located on pyrolytic graphene for supercapacitors. Carbon, 2014, 80, 799-807.	10.3	32
281	Preparation and thermoelectric properties of reduced graphene oxide/PEDOT:PSS composite films. Synthetic Metals, 2014, 197, 58-61.	3.9	86
282	Amino acid mediated functionalization and reduction of graphene oxide – synthesis and the formation mechanism of nitrogen-doped graphene. New Journal of Chemistry, 2014, 38, 3457-3467.	2.8	58
283	Facile preparation of reduced graphene oxide-based gas barrier films for organic photovoltaic devices. Energy and Environmental Science, 2014, 7, 3403-3411.	30.8	58
284	Graphene oxide membranes with tunable permeability due to embedded carbon dots. Chemical Communications, 2014, 50, 13089-13092.	4.1	145
285	Rapid room-temperature synthesis of Pd nanodendrites on reduced graphene oxide for catalytic oxidation of ethylene glycol and glycerol. International Journal of Hydrogen Energy, 2014, 39, 3730-3738.	7.1	90
286	SnO2 nanoparticles-reduced graphene oxide nanocomposites for NO2 sensing at low operating temperature. Sensors and Actuators B: Chemical, 2014, 190, 472-478.	7.8	429
287	Direct Formation of Reduced Graphene Oxide and 3D Lightweight Nickel Network Composite Foam by Hydrohalic Acids and Its Application for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 10248-10257.	8.0	60
288	Facile fabrication of one-dimensional mesoporous titanium dioxide composed of nanocrystals for lithium storage. Electrochimica Acta, 2014, 138, 155-162.	5.2	9
289	A highly electrically conductive graphene–silver nanowire hybrid nanomaterial for transparent conductive films. Journal of Materials Chemistry C, 2014, 2, 7284.	5.5	70
290	A novel synthesis of ultra thin graphene sheets for energy storage applications using malonic acid as a reducing agent. Journal of Materials Chemistry A, 2014, 2, 20345-20357.	10.3	27
291	Interactions between graphene oxide and plant cells: Regulation of cell morphology, uptake, organelle damage, oxidative effects and metabolic disorders. Carbon, 2014, 80, 665-676.	10.3	160
292	Caffeine-assisted facile synthesis of platinum@palladium core-shell nanoparticles supported on reduced graphene oxide with enhanced electrocatalytic activity for methanol oxidation. Electrochimica Acta, 2014, 142, 343-350.	5.2	63
293	Impermeable barrier films and protective coatings based on reduced graphene oxide. Nature Communications, 2014, 5, 4843.	12.8	508
294	Enhancing polymer/graphene oxide gas barrier film properties by introducing new crystals. Carbon, 2014, 75, 443-451.	10.3	81
295	Free-standing SnO2 nanoparticles@graphene hybrid paper for advanced lithium-ion batteries. Ceramics International, 2014, 40, 6891-6897.	4.8	40

#	Article	IF	CITATIONS
296	Effective reduction of graphene oxide thin films by a fluorinating agent: Diethylaminosulfur trifluoride. Carbon, 2014, 76, 133-140.	10.3	59
297	Flexible self-standing graphene–Se@CNT composite film as a binder-free cathode for rechargeable Li–Se batteries. Journal of Power Sources, 2014, 263, 85-89.	7.8	120
298	Layer-by-Layer assembled hybrid multilayer thin film electrodes based on transparent cellulose nanofibers paper for flexible supercapacitors applications. Journal of Power Sources, 2014, 249, 148-155.	7.8	111
299	Novel graphene-based nanostructures: physicochemical properties and applications. Russian Chemical Reviews, 2014, 83, 251-279.	6.5	49
300	Fully Solution-Processed Semitransparent Organic Solar Cells with a Silver Nanowire Cathode and a Conducting Polymer Anode. ACS Nano, 2014, 8, 2857-2863.	14.6	120
301	Reduced Graphene Oxides: Lightâ€Weight and Highâ€Efficiency Electromagnetic Interference Shielding at Elevated Temperatures. Advanced Materials, 2014, 26, 3484-3489.	21.0	1,375
302	Facile fabrication of ultrathin graphene papers for effective electromagnetic shielding. Journal of Materials Chemistry C, 2014, 2, 5057-5064.	5.5	159
303	Slide Fastener Reduction of Grapheneâ€Oxide Edges by Calcium: Insight from Ab Initio Molecular Dynamics. ChemPhysChem, 2014, 15, 2707-2711.	2.1	3
304	Functional Gels Based on Chemically Modified Graphenes. Advanced Materials, 2014, 26, 3992-4012.	21.0	276
305	Localized Reduction of Graphene Oxide by Electrogenerated Naphthalene Radical Anions and Subsequent Diazonium Electrografting. Journal of the American Chemical Society, 2014, 136, 4833-4836.	13.7	27
306	Highly Conductive, Flexible, and Compressible Allâ€Graphene Passive Electronic Skin for Sensing Human Touch. Advanced Materials, 2014, 26, 5018-5024.	21.0	273
307	Slow-release fertilizer encapsulated by graphene oxide films. Chemical Engineering Journal, 2014, 255, 107-113.	12.7	114
308	Nanostructured carbon materials based electrothermal air pump actuators. Nanoscale, 2014, 6, 6932-6938.	5.6	32
309	Lightweight and Flexible Reduced Graphene Oxide/Water-Borne Polyurethane Composites with High Electrical Conductivity and Excellent Electromagnetic Interference Shielding Performance. ACS Applied Materials & Interfaces, 2014, 6, 10667-10678.	8.0	226
310	Growth of Epitaxial Graphene on SiC. , 2014, , 47-78.		0
311	Recent Nanoarchitectures in Metal Nanoparticle-Graphene Nanocomposite Modified Electrodes for Electroanalysis. Analytical Sciences, 2014, 30, 529-538.	1.6	13
312	Homogeneous dispersion of high-conductive reduced graphene oxide sheets for polymethylmethacrylate nanocomposites. Powder Diffraction, 2014, 29, 241-247.	0.2	7
313	Increase of Electrical Conductivity due to Chemical Reduction of Pre-Exfoliated Graphene Oxide by Sodium Borohydride. Advanced Materials Research, 2015, 1117, 187-190.	0.3	7

#	Article	IF	CITATIONS
315	In-situ investigation of graphene oxide under UV irradiation: Evolution of work function. AIP Advances, 2015, 5, .	1.3	14
316	A Robust and Cost-Effective Superhydrophobic Graphene Foam for Efficient Oil and Organic Solvent Recovery. Small, 2015, 11, 5222-5229.	10.0	177
317	Flexible Asymmetric Supercapacitor Based on Structureâ€Optimized Mn <sub>3</sub> O <sub>4</sub> /Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. Advanced Functional Materials, 2015, 25, 7291-7299.	14.9	146
318	Reduction of Graphene Oxide and its Effect on Square Resistance of Reduced Graphene Oxide Films. Bulletin of the Korean Chemical Society, 2015, 36, 1681-1687.	1.9	12
319	Reduced Graphene Oxide/Carbon Nanotube/Gold Nanoparticles Nanocomposite Functionalized Screenâ€Printed Electrode for Sensitive Electrochemical Detection of Endocrine Disruptor Bisphenol A. Electroanalysis, 2015, 27, 2527-2536.	2.9	51
320	All arbon Nanoarchitectures as Highâ€Performance Separation Membranes with Superior Stability. Advanced Functional Materials, 2015, 25, 7348-7359.	14.9	248
321	Pt supported on Nanostructured NCNTs/RGO Composite Electrodes for Methanol Electrooxidation. ChemElectroChem, 2015, 2, 1396-1402.	3.4	9
322	Grapheneâ€Based Fibers: A Review. Advanced Materials, 2015, 27, 5113-5131.	21.0	261
323	Pâ€130: Highly Conductive Graphene and PEDOT: PSS Hybrid Film with the Treatment by Hydroiodic Acid for Indium Tin Oxideâ€Free Flexible Organic Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2015, 46, 1654-1657.	0.3	1
324	Soft Graphene Nanofibers Designed for the Acceleration of Nerve Growth and Development. Advanced Materials, 2015, 27, 6462-6468.	21.0	100
325	Inâ€situ Poly(methyl methacrylate)/Graphene Composite Gel Electrolytes for Highly Stable Dye‧ensitized Solar Cells. ChemSusChem, 2015, 8, 3799-3804.	6.8	16
326	Heterojunction Solar Cells Based on Silicon and Composite Films of Graphene Oxide and Carbon Nanotubes. ChemSusChem, 2015, 8, 2940-2947.	6.8	26
327	Reduced Graphene Oxide Bipolar Membranes for Integrated Solar Water Splitting in Optimal pH. ChemSusChem, 2015, 8, 2645-2654.	6.8	32
328	Mechanically Tough Largeâ€Area Hierarchical Porous Graphene Films for Highâ€Performance Flexible Supercapacitor Applications. Advanced Materials, 2015, 27, 4469-4475.	21.0	277
329	A Stretchable and Highly Sensitive Grapheneâ€Based Fiber for Sensing Tensile Strain, Bending, and Torsion. Advanced Materials, 2015, 27, 7365-7371.	21.0	673
330	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. Physica Status Solidi (B): Basic Research, 2015, 252, 2438-2443.	1.5	5
332	Manufacturing and characterization of multifunctional polymer-reduced graphene oxide nanocomposites. , 2015, , 157-232.		2
333	Graphene hybrids: synthesis strategies and applications in sensors and sensitized solar cells. Frontiers in Chemistry, 2015, 3, 38.	3.6	67

ARTICLE IF CITATIONS # Fabrication and Characteristics of Reduced Graphene Oxide Produced with Different Green 334 2.5 199 Reductants. PLoS ONE, 2015, 10, e0144842. Characterization of a hybrid composite of SnO<sub>2</sub> nanocrystal-decorated reduced graphene 3.6 oxide for ppm-level ethánol gas sensing application. RSC Advances, 2015, 5, 18666-18672. An amperometric sensor for detection of tryptophan based on a pristine multi-walled carbon 338 3.5 18 nanotube/graphene oxide hybrid. Analyst, The, 2015, 140, 5295-5300. Graphene aerogel prepared by thermal evaporation of graphene oxide suspension containing sodium bicarbonate. Journal of Materials Chemistry A, 2015, 3, 7950-7958. Scalable non-liquid-crystal spinning of locally aligned graphene fibers for high-performance 340 16.0 172 wearable supercapacitors. Nano Energy, 2015, 15, 642-653. Mechanically Stable Thermally Crosslinked Poly(acrylic acid)/Reduced Graphene Oxide Aerogels. ACS Applied Materials & amp; Interfaces, 2015, 7, 6220-6229. 8.0 Ultrathin graphene: electrical properties and highly efficient electromagnetic interference shielding. 342 5.5 551 Journal of Materials Chemistry C, 2015, 3, 6589-6599. Graphene Oxide., 2015,,. 343 344 The Chemistry of Graphene Oxide., 2015, , 61-95. 212 Investigation on the use of graphene oxide as novel surfactant to stabilize weakly charged graphene 346 5.7 nanoplatelets. Nanoscale Research Letters, 2015, 10, 212. Functionalized graphene and other two-dimensional materials for photovoltaic devices: device design 347 38.1 283 and processing. Chemical Society Reviews, 2015, 44, 5638-5679. Improved Reduction of Graphene Oxide. Materials Today: Proceedings, 2015, 2, 423-430. 348 1.8 Charge transport mechanism of hydrazine hydrate reduced graphene oxide. IET Circuits, Devices and 349 1.4 17 Systems, 2015, 9, 392-396. Enhanced thermoelectric properties of PEDOT:PSS films via a novel two-step treatment. RSC Advances, 3.6 36 2015, 5, 105592-105599 Power factor enhancement via simultaneous improvement of electrical conductivity and Seebeck 351 coefficient in tellurium nanowires/reduced graphene oxide flexible thermoelectric films. Synthetic 3.9 14 Metals, 2015, 210, 342-351. Graphene Oxide: A Fertile Nanosheet for Various Applications. Journal of the Physical Society of Japan, 2015, 84, 121012. One-step synthesis of nickel sulfide/N-doped graphene composite as anode materials for lithium ion 353 3.8 44 batteries. Journal of Electroanalytical Chemistry, 2015, 739, 36-42. Flexible graphene devices related to energy conversion and storage. Energy and Environmental 354 30.8 Science, 2015, 8, 790-823.

	CITATION R	CITATION REPORT	
#	Article	IF	Citations
355	Preparation of Graphene Nano-Layer by Chemical Graphitization of Graphite Oxide from Exfoliation and Preliminary Reduction. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 742-749.	2.1	22
356	Application and Uses of Graphene Oxide and Reduced Graphene Oxide. , 2015, , 39-55.		82
357	Self-assembled graphene/sulfur composite as high current discharge cathode for lithium-sulfur batteries. Electrochimica Acta, 2015, 163, 24-31.	5.2	36
358	One-step synthesis of self-supporting tin oxide/graphene electrodes for lithium ion batteries. Journal of Applied Electrochemistry, 2015, 45, 217-224.	2.9	5
359	Graphene-supported platinum catalysts for fuel cells. Science Bulletin, 2015, 60, 864-876.	9.0	88
360	Flexible, Free-Standing TiO <sub>2</sub> –Graphene–Polypyrrole Composite Films as Electrodes for Supercapacitors. Journal of Physical Chemistry C, 2015, 119, 3903-3910.	3.1	126
361	Graphene Aerogel/Epoxy Composites with Exceptional Anisotropic Structure and Properties. ACS Applied Materials & amp; Interfaces, 2015, 7, 5538-5549.	8.0	235
363	Ultrahigh Performance Supercapacitor from Lacey Reduced Graphene Oxide Nanoribbons. ACS Applied Materials & Interfaces, 2015, 7, 3110-3116.	8.0	122
364	Self-Assembled 3D Graphene Monolith from Solution. Journal of Physical Chemistry Letters, 2015, 6, 658-668.	4.6	152
365	Monolithic Graphene Trees as Anode Material for Lithium Ion Batteries with High Câ€Rates. Small, 2015, 11, 2774-2781.	10.0	19
367	Real-time electrochemical detection of hydrogen peroxide secretion in live cells by Pt nanoparticles decorated graphene–carbon nanotube hybrid paper electrode. Biosensors and Bioelectronics, 2015, 68, 358-364.	10.1	195
368	Facile synthesis and electrochemical performances of binder-free flexible graphene/acetylene black sandwich film. Electrochimica Acta, 2015, 152, 391-397.	5.2	24
369	An iron-based green approach to 1-h production of single-layer graphene oxide. Nature Communications, 2015, 6, 5716.	12.8	377
370	One-step synthesis of iodine doped polyaniline-reduced graphene oxide composite hydrogel with high capacitive properties. Composites Science and Technology, 2015, 109, 12-17.	7.8	42
371	Rapid production of a bulk of porous mesh reduced graphene oxide films using a naked flame. Journal of Materials Chemistry C, 2015, 3, 2788-2791.	5.5	25
372	A general strategy for the synthesis of reduced graphene oxide-based composites. Ceramics International, 2015, 41, 7661-7668.	4.8	3
373	Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multiâ€Walled Carbon Nanotubes for Solid‧tate, Flexible, Asymmetric Supercapacitors. Angewandte Chemie - International Edition, 2015, 54, 4651-4656.	13.8	334
374	Design, Synthesis, and Characterization of Graphene–Nanoparticle Hybrid Materials for Bioapplications. Chemical Reviews, 2015, 115, 2483-2531.	47.7	603

ARTICLE IF CITATIONS Highly flexible transparent conductive graphene/single-walled carbon nanotube nanocomposite films 375 3.6 12 produced by Langmuirâ€"Blodgett assembly. RSC Advances, 2015, 5, 23650-23657. Reduction of graphene oxide film with poly (vinyl alcohol). Chemical Physics Letters, 2015, 625, 36-40. 2.6 Predicting H2S Oxidative Dehydrogenation over Graphene Oxides from First Principles. Chinese 377 1.3 6 Journal of Chemical Physics, 2015, 28, 143-149. Selective band gap manipulation of graphene oxide by its reduction with mild reagents. Carbon, 2015, 186 93, 967-973. Graphene fiber: a new trend in carbon fibers. Materials Today, 2015, 18, 480-492. 379 14.2 307 In situ synthesis of mesoporous manganese oxide/sulfur-doped graphitized carbon as a bifunctional catalyst for oxygen evolution/reduction reactions. Carbon, 2015, 94, 1028-1036. 380 10.3 Alignment of graphene oxide nanostructures between microgap electrodes <i>via</i> 381 3.3 10 dielectrophoresis for hydrogen gas sensing applications. Applied Physics Letters, 2015, 106, . Graphene for Transparent Conductors., 2015,,. 38 Oxygen-containing Functional Groups Enhancing Electrochemical Performance of Porous Reduced 383 5.2 86 Graphene Oxide Cathode in Lithium Ion Batteries. Electrochimica Acta, 2015, 174, 762-769. Large-area reduced graphene oxide thin film with excellent thermal conductivity and electromagnetic 384 interference shielding effectiveness. Carbon, 2015, 94, 494-500. Wall by wall controllable unzipping of MWCNTs via intercalation with oxalic acid to produce 385 12.7 97 multilayers graphene oxide ribbon. Chemical Engineering Journal, 2015, 281, 192-198. Effects of reduction methods on the structure and thermal conductivity of free-standing reduced graphene oxide films. Diamond and Related Materials, 2015, 58, 54-61. Porphyrin-based graphene oxide frameworks with ultra-large d-spacings for the electrocatalyzation 387 2.8 37 of oxygen reduction reaction. Physical Chemistry Chemical Physics, 2015, 17, 19538-19545. Synergetic effect of metal nickel and graphene as a cocatalyst for enhanced photocatalytic hydrogen evolution via dye sensitization. Scientific Reports, 2015, 5, 10589. 3.3  $\hat{l}^2$ -Cyclodextrin inclusion complex as the immobilization matrix for laccase in the fabrication of a 389 7.8 38 biosensor for dopamine determination. Sensors and Actuators B: Chemical, 2015, 220, 1169-1177. A facile method to prepare highly compressible three-dimensional graphene-only sponge. Journal of Materials Chemistry A, 2015, 3, 15482-15488. 54 A facile preparation route for highly conductive borate cross-linked reduced graphene oxide paper. 391 2.8 17 New Journal of Chemistry, 2015, 39, 6907-6913. Multifunctional cellulosic paper based on quaternized chitosan and gold nanoparticleâ€"reduced graphene oxide via electrostatic self-assembly. Journal of Materials Chemistry A, 2015, 3, 7422-7428.

#	Article	IF	CITATIONS
393	Flexible Carbon Nanotube–Graphene/Sulfur Composite Film: Free-Standing Cathode for High-Performance Lithium/Sulfur Batteries. Journal of Physical Chemistry C, 2015, 119, 10288-10294.	3.1	116
394	A simple method for the reduction of graphene oxide by sodium borohydride with CaCl2 as a catalyst. New Carbon Materials, 2015, 30, 41-47.	6.1	109
395	High-Density Lithium-Ion Energy Storage Utilizing the Surface Redox Reactions in Folded Graphene Films. Chemistry of Materials, 2015, 27, 3291-3298.	6.7	78
396	Gelatin-assisted fabrication of graphene-based nacre with high strength, toughness, and electrical conductivity. Carbon, 2015, 89, 279-289.	10.3	62
397	A flexible integrated photodetector system driven by on-chip microsupercapacitors. Nano Energy, 2015, 13, 131-139.	16.0	99
398	Free-standing microporous paper-like graphene films with electrodeposited PPy coatings as electrodes for supercapacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 747-754.	2.2	12
399	Cotton-like Fe2O3 anchored on graphene sheets for improved NO2 sensing at room temperature. Journal of Materials Science: Materials in Electronics, 2015, 26, 5024-5029.	2.2	8
400	Highly conductive polymer composites incorporated with electrochemically exfoliated graphene fillers. RSC Advances, 2015, 5, 36456-36460.	3.6	15
401	A graphene wrapped hair-derived carbon/sulfur composite for lithium–sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 9609-9615.	10.3	109
402	Thickness Dependence of the Mechanical Properties of Freeâ€Standing Graphene Oxide Papers. Advanced Functional Materials, 2015, 25, 3756-3763.	14.9	75
403	Facile fabrication of ZnO nanocrystalline-modified graphene hybrid nanocomposite toward methane gas sensing application. Journal of Materials Science: Materials in Electronics, 2015, 26, 5937-5945.	2.2	84
404	Controlling the Shell Formation in Hydrothermally Reduced Graphene Hydrogel. Langmuir, 2015, 31, 5545-5549.	3.5	25
405	Synthesis of shape-controlled NiO–graphene nanocomposites with enhanced supercapacitive properties. New Journal of Chemistry, 2015, 39, 4026-4034.	2.8	46
406	Preparation and photocatalytic performance of magnetic TiO2–Fe3O4/graphene (RGO) composites under VIS-light irradiation. Ceramics International, 2015, 41, 10634-10643.	4.8	98
407	Size Fractionation of Graphene Oxide Sheets via Filtration through Trackâ€Etched Membranes. Advanced Materials, 2015, 27, 3654-3660.	21.0	149
408	Theoretical simulation of the reduction of graphene oxide by lithium naphthalenide. Physical Chemistry Chemical Physics, 2015, 17, 13654-13658.	2.8	4
409	Environmentally benign and facile reduction of graphene oxide by flash light irradiation. Nanotechnology, 2015, 26, 205601.	2.6	36
410	Environmentally friendly synthesis of graphene–silver composites with surface-enhanced Raman scattering and antibacterial activity via reduction with <scp>l</scp> -ascorbic acid/water vapor. New Journal of Chemistry, 2015, 39, 5272-5281.	2.8	43

#	Article	IF	CITATIONS
411	Cold–graphene nanocomposites for sensing and biomedical applications. Journal of Materials Chemistry B, 2015, 3, 4301-4324.	5.8	144
412	Size fractionation of graphene oxide sheets by the polar solvent-selective natural deposition method. RSC Advances, 2015, 5, 146-152.	3.6	47
413	Free-standing graphene-based porous carbon films with three-dimensional hierarchical architecture for advanced flexible Li–sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 9438-9445.	10.3	51
414	Robust reduced graphene oxide paper fabricated with a household non-stick frying pan: a large-area freestanding flexible substrate for supercapacitors. RSC Advances, 2015, 5, 33981-33989.	3.6	43
415	Highly conductive multilayer-graphene paper as a flexible lightweight electromagnetic shield. Carbon, 2015, 89, 260-271.	10.3	122
417	Synergistic effect of a r-GO/PANI nanocomposite electrode based air working ionic actuator with a large actuation stroke and long-term durability. Journal of Materials Chemistry A, 2015, 3, 8380-8388.	10.3	56
418	Controllable oxygenic functional groups of metal-free cathodes for high performance lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 11376-11386.	10.3	77
419	Enhanced reduction of graphene oxide by high-pressure hydrothermal treatment. RSC Advances, 2015, 5, 81831-81837.	3.6	182
420	Strongly Anisotropic Thermal Conductivity of Free‣tanding Reduced Graphene Oxide Films Annealed at High Temperature. Advanced Functional Materials, 2015, 25, 4664-4672.	14.9	462
421	Liquid crystal graphene oxide with different layers: fabrication, characterization and applications. RSC Advances, 2015, 5, 94809-94813.	3.6	5
422	Direct writing of graphene patterns and devices on graphene oxide films by inkjet reduction. Nano Research, 2015, 8, 3954-3962.	10.4	37
423	Formation of Cellulose Acetate–Graphene Oxide Nanocomposites by Supercritical CO2 Assisted Phase Inversion. Industrial & Engineering Chemistry Research, 2015, 54, 8147-8156.	3.7	38
424	Integrated Ternary Bioinspired Nanocomposites <i>via</i> Synergistic Toughening of Reduced Graphene Oxide and Double-Walled Carbon Nanotubes. ACS Nano, 2015, 9, 11568-11573.	14.6	110
425	Cross-linked graphene membrane for high-performance organics separation of emulsions. Journal of Membrane Science, 2015, 495, 439-444.	8.2	49
426	In situ iodoalkane-reduction of graphene oxide in a polymer matrix: an easy and effective approach for the fabrication of conductive composites. Journal of Materials Chemistry C, 2015, 3, 11531-11539.	5.5	12
427	Reducing and multiple-element doping of graphene oxide using active screen plasma treatments. Carbon, 2015, 95, 338-346.	10.3	24
428	Dense 3D Graphene Macroforms with Nanotuned Pore Sizes for High Performance Supercapacitor Electrodes. Journal of Physical Chemistry C, 2015, 119, 24373-24380.	3.1	32
429	Synthesis, Structure, and Properties of Graphene and Graphene Oxide. , 2015, , 29-94.		18

#	Article	IF	CITATIONS
430	Graphene-carbon nanotube papers for energy conversion and storage under sunlight and heat. Carbon, 2015, 95, 150-156.	10.3	24
431	Exfoliation of graphene via wet chemical routes. Synthetic Metals, 2015, 210, 123-132.	3.9	135
432	Preparation and characterization of silver nanoparticle-reduced graphene oxide decorated electrospun polyurethane fiber composites with an improved electrical property. Composites Science and Technology, 2015, 118, 171-177.	7.8	22
433	Effect of AgNPs/reduced graphene oxide nanocomposites on the electrical performance of electrically conductive adhesives. , 2015, , .		3
434	Nanosheets Co <sub>3</sub> O <sub>4</sub> Interleaved with Graphene for Highly Efficient Oxygen Reduction. ACS Applied Materials & Interfaces, 2015, 7, 21373-21380.	8.0	96
435	Temperature dependent microwave absorption of ultrathin graphene composites. Journal of Materials Chemistry C, 2015, 3, 10017-10022.	5.5	432
436	Nitrogen-Doped Reduced Graphene Oxide Prepared by Simultaneous Thermal Reduction and Nitrogen Doping of Graphene Oxide in Air and Its Application as an Electrocatalyst. ACS Applied Materials & Interfaces, 2015, 7, 26952-26958.	8.0	103
437	Dry Functionalization and Doping of Single-Walled Carbon Nanotubes by Ozone. Journal of Physical Chemistry C, 2015, 119, 27821-27828.	3.1	34
438	Preparation of graphene/poly(p-phenylenebenzobisoxazole) composite fibers based on simultaneous zwitterion coating and chemical reduction of graphene oxide at room temperature. RSC Advances, 2015, 5, 88646-88654.	3.6	2
439	Graphene Foam with Switchable Oil Wettability for Oil and Organic Solvents Recovery. Advanced Functional Materials, 2015, 25, 597-605.	14.9	138
440	Annealing induced electrical conduction and band gap variation in thermally reduced graphene oxide films with different sp2/sp3 fraction. Applied Surface Science, 2015, 326, 236-242.	6.1	41
441	Characterisation of reduced graphene oxide: Effects of reduction variables on electrical conductivity. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 193, 49-60.	3.5	274
442	A Freeâ€Standing and Ultralongâ€Life Lithiumâ€Selenium Battery Cathode Enabled by 3D Mesoporous Carbon/Graphene Hierarchical Architecture. Advanced Functional Materials, 2015, 25, 455-463.	14.9	186
443	Highly exposed {001} facets of titanium dioxide modified with reduced graphene oxide for dopamine sensing. Scientific Reports, 2014, 4, 5044.	3.3	250
444	Structural and functional investigation of graphene oxide–Fe3O4 nanocomposites for the heterogeneous Fenton-like reaction. Scientific Reports, 2014, 4, 4594.	3.3	407
445	Effect of reducing system on capacitive behavior of reduced graphene oxide film: Application for supercapacitor. Journal of Solid State Chemistry, 2015, 221, 338-344.	2.9	12
446	Fabrication of stable aqueous dispersions of graphene using gellan gum as a reducing and stabilizing agent and its nanohybrids. Materials Chemistry and Physics, 2015, 149-150, 129-139.	4.0	11
447	2D and 3D graphene materials: Preparation and bioelectrochemical applications. Biosensors and Bioelectronics, 2015, 65, 404-419.	10.1	172

#	Article	IF	CITATIONS
448	Facile synthesis of laminated graphene for advanced supercapacitor electrode material via simultaneous reduction and N-doping. Journal of Power Sources, 2015, 274, 851-861.	7.8	50
449	High-yield preparation of graphene oxide from small graphite flakes via an improved Hummers method with a simple purification process. Carbon, 2015, 81, 826-834.	10.3	443
450	Reduction of Graphite Oxide Using Ammonia Solution and Detection Cr(VI) with Graphene-Modified Electrode. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 125-130.	2.1	23
451	Combined effects of defects and hydroxyl groups on the electronic transport properties of reduced graphene oxide. Applied Physics A: Materials Science and Processing, 2015, 118, 885-892.	2.3	12
452	Towards graphene iodide: iodination of graphite oxide. Nanoscale, 2015, 7, 261-270.	5.6	54
453	One-pot synthesis of 3-dimensional reduced graphene oxide-based hydrogel as support for microbe immobilization and BOD biosensor preparation. Biosensors and Bioelectronics, 2015, 63, 483-489.	10.1	42
454	Molecularly engineered graphene surfaces for sensing applications: A review. Analytica Chimica Acta, 2015, 859, 1-19.	5.4	192
455	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.	5.4	146
456	Low temperature reduction of free-standing graphene oxide papers with metal iodides for ultrahigh bulk conductivity. Scientific Reports, 2014, 4, 3965.	3.3	43
457	Enhanced Capacitance of Thermally Reduced Hexagonal Graphene Oxide for High Performance Supercapacitor. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 618-622.	2.1	31
458	Graphene Synthesis by Plasma-Enhanced CVD Growth with Ethanol. American Journal of Engineering and Applied Sciences, 2016, 9, 574-583.	0.6	2
459	Reduced Graphene Oxide/Au Nanocomposite for NO2 Sensing at Low Operating Temperature. Sensors, 2016, 16, 1152.	3.8	39
460	Characterization and Investigation of Infrared Sensitivity of Reduced Graphene Oxide Films. , 2016, , .		1
461	Freeâ€standing Graphene/Poly(methylene blue)/AgNPs Composite Paper for Electrochemical Sensing of NADH. Electroanalysis, 2016, 28, 2058-2069.	2.9	47
462	Improving the Charge Injection in Organic Transistors by Covalently Linked Graphene Oxide/Metal Electrodes. Advanced Electronic Materials, 2016, 2, 1500409.	5.1	24
463	Highly Conductive Stretchable Electrodes Prepared by In Situ Reduction of Wavy Graphene Oxide Films Coated on Elastic Tapes. Advanced Electronic Materials, 2016, 2, 1600022.	5.1	40
464	Fabrication of Polyaniline/Graphene/Polyester Textile Electrode Materials for Flexible Supercapacitors with High Capacitance and Cycling Stability. Chemistry - an Asian Journal, 2016, 11, 1906-1912.	3.3	48
465	The effect of polymer-substrate interaction on the nucleation property: Comparing study of graphene and hexagonal boron nitride Nanosheets. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1021-1031.	3.8	7

#	Article	IF	CITATIONS
466	A reduced graphene oxide/SnO2/polyaniline nanocomposite for the anode material of Li-ion batteries. Solid State Ionics, 2016, 294, 6-14.	2.7	15
467	A novel conductive membrane with <scp>RGO/PVDF</scp> coated on carbon fiber cloth for fouling reduction with electric field in separating polyacrylamide. Journal of Applied Polymer Science, 2016, 133, .	2.6	2
468	Polymer/Graphene Hybrids for Advanced Energy onversion and â€Storage Materials. Chemistry - an Asian Journal, 2016, 11, 1151-1168.	3.3	31
469	Localized Plasmonâ€Stimulated Nanochemistry of Graphene Oxide on a SERS Substrate. ChemPhysChem, 2016, 17, 873-878.	2.1	3
470	Lateral photovoltaic effect in flexible free-standing reduced graphene oxide film for self-powered position-sensitive detection. Scientific Reports, 2016, 6, 33525.	3.3	36
471	Design and fabrication of graphene fibers based on intermolecular forces and charge properties in a novel acidic system. RSC Advances, 2016, 6, 100040-100045.	3.6	4
472	Improvement of polyacrylonitrile ultrafiltration membranes' properties using decane-functionalized reduced graphene oxide nanoparticles. Water Science and Technology: Water Supply, 2016, 16, 1378-1387.	2.1	7
473	Enhanced and selective ammonia sensing of reduced graphene oxide based chemo resistive sensor at room temperature. AIP Conference Proceedings, 2016, , .	0.4	1
474	Minimizing electrode edge in organic transistors with ultrathin reduced graphene oxide for improving charge injection efficiency. Physical Chemistry Chemical Physics, 2016, 18, 13209-13215.	2.8	12
475	Porous reduced graphene oxide membrane with enhanced gauge factor. Applied Physics Letters, 2016, 108, .	3.3	8
476	Dielectric relaxation and hopping conduction in reduced graphite oxide. Journal of Applied Physics, 2016, 119, .	2.5	32
477	Preparation and properties of amino-functional reduced graphene oxide/waterborne polyurethane hybrid emulsions. Progress in Organic Coatings, 2016, 97, 19-27.	3.9	59
478	Sandwich-Architectured Poly(lactic acid)–Graphene Composite Food Packaging Films. ACS Applied Materials & Interfaces, 2016, 8, 9994-10004.	8.0	146
479	Low-cost flexible supercapacitors based on laser reduced graphene oxide supported on polyethylene terephthalate substrate. Journal of Power Sources, 2016, 324, 272-281.	7.8	76
480	An electromechanical behavior of reduced graphene oxide fiber. Carbon, 2016, 105, 244-247.	10.3	7
481	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. RSC Advances, 2016, 6, 50112-50118.	3.6	46
482	RGO/MnO 2 /polypyrrole ternary film electrode for supercapacitor. Materials Chemistry and Physics, 2016, 177, 40-47.	4.0	44
483	Hollow microcapsules by stitching together of graphene oxide nanosheets with a di-functional small molecule. Carbon, 2016, 106, 125-131.	10.3	29

#	Article	IF	CITATIONS
484	Separation Performance of Graphene Oxide Membrane in Aqueous Solution. Industrial & Engineering Chemistry Research, 2016, 55, 4803-4810.	3.7	116
485	Influence of reducing reagent combination in graphene oxide reduction. Micro and Nano Letters, 2016, 11, 215-220.	1.3	3
486	Green approach for preparation of reduced graphene oxide decorated with gold nanoparticles and its optical and catalytic properties. Materials Chemistry and Physics, 2016, 177, 339-345.	4.0	12
487	Tunable Mixed Ionic/Electronic Conductivity and Permittivity of Graphene Oxide Paper for Electrochemical Energy Conversion. ACS Applied Materials & Interfaces, 2016, 8, 11466-11475.	8.0	44
488	Reduced Graphene Oxide Films with Ultrahigh Conductivity as Li-Ion Battery Current Collectors. Nano Letters, 2016, 16, 3616-3623.	9.1	187
489	Thermally stable, solvent resistant and flexible graphene oxide paper. RSC Advances, 2016, 6, 44522-44530.	3.6	9
490	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. ACS Applied Materials & Interfaces, 2016, 8, 12369-12376.	8.0	104
491	Conductive, tough, hydrophilic poly(vinyl alcohol)/graphene hybrid fibers for wearable supercapacitors. Journal of Power Sources, 2016, 319, 271-280.	7.8	105
492	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. Energy and Environmental Science, 2016, 9, 1891-1930.	30.8	205
493	Assembly of ordered polyaniline-graphene hybrid nanomaterials based on poly(2-methoxyaniline-5-sulfonic acid) functionalized graphene nanosheets. Synthetic Metals, 2016, 221, 103-113.	3.9	16
494	A highly selective electrochemical sensor for chloramphenicol based on three-dimensional reduced graphene oxide architectures. Talanta, 2016, 161, 567-573.	5.5	113
495	A flexible sandwich graphene/silver nanowires/graphene thin film for high-performance electromagnetic interference shielding. RSC Advances, 2016, 6, 101283-101287.	3.6	55
496	Synthesis of S/CoS2 Nanoparticles-Embedded N-doped Carbon Polyhedrons from Polyhedrons ZIF-67 and their Properties in Lithium-Sulfur Batteries. Electrochimica Acta, 2016, 218, 243-251.	5.2	141
497	Allâ€Carbon Thinâ€Film Transistors as a Step Towards Flexible and Transparent Electronics. Advanced Electronic Materials, 2016, 2, 1600229.	5.1	32
499	Freeâ€Standing Graphene/Conducting Polymer Hybrid Cathodes as FTO and Ptâ€Free Electrode for Quasiâ€State Dye Sensitized Solar Cells. ChemistrySelect, 2016, 1, 4814-4822.	1.5	8
500	Electropolymerization of a conductive β-cyclodextrin polymer on reduced graphene oxide modified screen-printed electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. Journal of Electroanalytical Chemistry, 2016, 782, 50-58.	3.8	74
501	Supramolecule-Inspired Fabrication of Carbon Nanoparticles In Situ Anchored Graphene Nanosheets Material for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 26775-26782.	8.0	39
502	Highly conductive natural rubber–graphene hybrid films prepared by solution casting and in situ reduction for solvent-sensing application. Journal of Materials Science, 2016, 51, 10561-10573.	3.7	28

#	Article	IF	CITATIONS
503	Controllable lateral contraction and mechanical performance of chemically reduced graphene oxide paper. Carbon, 2016, 107, 46-55.	10.3	17
504	Oxidation degree of graphene reflected by morphology-tailored ZnO growth. Carbon, 2016, 107, 583-592.	10.3	3
505	High performance flexible ultraviolet photodetectors based on TiO <sub>2</sub> /graphene hybrid for irradiation monitoring applications. Journal of Micromechanics and Microengineering, 2016, 26, 075003.	2.6	42
506	Tailoring Size and Coverage Density of Silver Nanoparticles on Monodispersed Polymer Spheres as Highly Sensitive SERS Substrates. Chemistry - an Asian Journal, 2016, 11, 2428-2435.	3.3	17
507	Free-Radical-Assisted Rapid Synthesis of Graphene Quantum Dots and Their Oxidizability Studies. Langmuir, 2016, 32, 8641-8649.	3.5	37
508	A facile approach for preparation of polystyrene/graphene nanocomposites with ultra-low percolation threshold through an electrostatic assembly process. Composites Science and Technology, 2016, 134, 49-56.	7.8	84
509	Physical and chemical mechanisms affecting electrical conductivity in reduced graphene oxide films. Thin Solid Films, 2016, 616, 172-182.	1.8	38
510	Effect of graphene nano-platelet morphology on the elastic modulus of soft and hard biopolymers. Carbon, 2016, 109, 331-339.	10.3	44
511	Highly conductive, monolayer and large-area reduced graphene oxide films fabricated by electrical connection at the two-dimensional boundaries between the tiled graphene oxide flakes. Thin Solid Films, 2016, 615, 247-255.	1.8	11
512	Functionalized R9–reduced graphene oxide as an efficient nano-carrier for hydrophobic drug delivery. RSC Advances, 2016, 6, 74072-74084.	3.6	37
513	Symmetry and Topology of Graphenes. , 2016, , 177-182.		0
514	Sulfonated Graphene Synthesized <i>via</i> a Green Route and Its Capacitive Properties. Chinese Journal of Chemistry, 2016, 34, 98-106.	4.9	7
515	Optical Properties of Graphene and Its Applications under Total Internal Reflection. , 2016, , 687-700.		0
516	Largeâ€Area Supercapacitor Textiles with Novel Hierarchical Conducting Structures. Advanced Materials, 2016, 28, 8431-8438.	21.0	158
517	Electrochemically Reduced Graphene Oxide on Well-Aligned Titanium Dioxide Nanotube Arrays for Betavoltaic Enhancement. ACS Applied Materials & Interfaces, 2016, 8, 24638-24644.	8.0	29
518	Antibacterial activity of graphene-based materials. Journal of Materials Chemistry B, 2016, 4, 6892-6912.	5.8	246
519	Electrochemical reduction of bulk graphene oxide materials. RSC Advances, 2016, 6, 80106-80113.	3.6	42
520	Ironâ€Based Supercapacitor Electrodes: Advances and Challenges. Advanced Energy Materials, 2016, 6, 1601053.	19.5	358

#	Article	IF	CITATIONS
521	Highly conductive PEDOT:PSS and graphene oxide hybrid film from a dipping treatment with hydroiodic acid for organic light emitting diodes. Journal of Materials Chemistry C, 2016, 4, 8528-8534.	5.5	36
522	Toward highly thermally conductive all-carbon composites: Structure control. Carbon, 2016, 109, 575-597.	10.3	132
523	Simultaneously enhanced electrical conductivity and Seebeck coefficient in Poly (3,4-ethylenedioxythiophene) films treated with hydroiodic acid. Synthetic Metals, 2016, 220, 585-590.	3.9	26
524	Nanostructured transparent conductive films: Fabrication, characterization and applications. Materials Science and Engineering Reports, 2016, 109, 1-101.	31.8	104
525	Graphene–Perovskite Solar Cells Exceed 18 % Efficiency: A Stability Study. ChemSusChem, 2016, 9, 2609-2619.	6.8	163
526	Structural Thermal Stability of Graphene Oxide-Doped Copper–Cobalt Oxide Coatings as a Solar Selective Surface. Journal of Materials Science and Technology, 2016, 32, 1179-1191.	10.7	24
527	Synthesis of CoFe2O4/RGO nanocomposites by click chemistry and electromagnetic wave absorption properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 9278-9285.	2.2	18
528	Mechanical properties of wrinkled graphene generated by topological defects. Carbon, 2016, 108, 204-214.	10.3	72
529	Fabrication and Applications of Biocompatible Graphene Oxide and Graphene. , 2016, , 143-150.		5
530	Aqueous graphene oxide-dispersed carbon nanotubes as inks for the scalable production of all-carbon transparent conductive films. Journal of Materials Chemistry C, 2016, 4, 7043-7051.	5.5	36
531	Bioinspired Grapheneâ€Based Nanocomposites and Their Application in Flexible Energy Devices. Advanced Materials, 2016, 28, 7862-7898.	21.0	178
532	Self-Organized 3D Porous Graphene Dual-Doped with Biomass-Sponsored Nitrogen and Sulfur for Oxygen Reduction and Evolution. ACS Applied Materials & amp; Interfaces, 2016, 8, 29408-29418.	8.0	143
533	Chapter 6 Graphene: A New Star Nanomaterial in Energy and Environment Applications. , 2016, , 273-306.		0
534	Ultrafast Synthesis of Silver Nanoparticle Decorated Graphene Oxide by a Rotating Packed Bed Reactor. Industrial & Engineering Chemistry Research, 2016, 55, 11622-11630.	3.7	15
535	Silanization induced inherent strain in graphene based filler influencing mechanical properties of polycarbonate urethane nanocomposite membranes. RSC Advances, 2016, 6, 104235-104245.	3.6	5
536	Electrochemical properties of silver nanoparticle-supported reduced graphene oxide in nitric oxide oxide oxidation and detection. RSC Advances, 2016, 6, 107141-107150.	3.6	25
537	The inside-out supercapacitor: induced charge storage in reduced graphene oxide. Physical Chemistry Chemical Physics, 2016, 18, 32185-32191.	2.8	6
538	Ultrasmooth transparent conductive hybrid films of reduced graphene oxide and single-walled carbon nanotube by ultrasonic spraying. Synthetic Metals, 2016, 221, 340-344.	3.9	12

#	Article	IF	CITATIONS
539	In situ hydrothermal synthesis of silver nanoparticle based on graphene and their application for electrically conductive adhesive. , 2016, , .		0
540	Ultrastrong Bioinspired Grapheneâ€Based Fibers via Synergistic Toughening. Advanced Materials, 2016, 28, 2834-2839.	21.0	108
541	Reversible Functionalization: A Scalable Way to Deliver the Structure and Interface of Graphene for Different Macro Applications. Advanced Materials Interfaces, 2016, 3, 1500842.	3.7	4
542	Graphene and carbon-based nanomaterials as highly efficient adsorbents for oils and organic solvents. Nanotechnology Reviews, 2016, 5, .	5.8	42
543	Ultratough cellular films from graphene oxide hydrogel: A way to exploit rigidity and flexibility of two-dimensional honeycomb carbon. Carbon, 2016, 107, 548-556.	10.3	18
544	Tuneable cellular-structured 3D graphene aerogel and its effect on electromagnetic interference shielding performance and mechanical properties of epoxy composites. RSC Advances, 2016, 6, 56589-56598.	3.6	56
545	Enhanced UV detection by transparent graphene oxide/ZnO composite thin films. RSC Advances, 2016, 6, 61661-61672.	3.6	92
546	Wearable piezoelectric device assembled by one-step continuous electrospinning. Journal of Materials Chemistry C, 2016, 4, 6988-6995.	5.5	51
547	Ultrastrong Freestanding Graphene Oxide Nanomembranes with Surface-Enhanced Raman Scattering Functionality by Solvent-Assisted Single-Component Layer-by-Layer Assembly. ACS Nano, 2016, 10, 6702-6715.	14.6	45
548	Hydroiodic Acid Reduced Graphene Hybrid with δ-MnO <sub>2</sub> for Electrode Material in Supercapacitors. ECS Journal of Solid State Science and Technology, 2016, 5, M51-M57.	1.8	8
549	Facile Synthesis of Graphene Sponge from Graphene Oxide for Efficient Dye-Sensitized H <sub>2</sub> Evolution. ACS Applied Materials & Interfaces, 2016, 8, 15187-15195.	8.0	91
550	Bottom-Up Fabrication of Activated Carbon Fiber for All-Solid-State Supercapacitor with Excellent Electrochemical Performance. ACS Applied Materials & Interfaces, 2016, 8, 14622-14627.	8.0	117
551	Hierarchical networks of redox-active reduced crumpled graphene oxide and functionalized few-walled carbon nanotubes for rapid electrochemical energy storage. Nanoscale, 2016, 8, 12330-12338.	5.6	31
552	Significantly enhancing the thermal oxidative stability while remaining the excellent electrical insulating property of low density polyethylene by addition of antioxidant functionalized graphene oxide. Carbon, 2016, 106, 218-227.	10.3	39
553	Preparation of large-area graphene oxide sheets with a high density of carboxyl groups using O2/H2 low-damage plasma. Surface and Coatings Technology, 2016, 303, 170-175.	4.8	19
554	Synthesis and in-situ functionalization of graphene films through graphite charging in aqueous Fe2(SO4)3. Carbon, 2016, 107, 379-387.	10.3	14
555	Controlled functionalization of graphene with carboxyl moieties toward multiple applications. RSC Advances, 2016, 6, 58561-58565.	3.6	6
556	Hierarchical Assembly of Tungsten Spheres and Epoxy Composites in Three-Dimensional Graphene Foam and Its Enhanced Acoustic Performance as a Backing Material. ACS Applied Materials & Interfaces, 2016, 8, 18496-18504.	8.0	19

	CITATION	CITATION REPORT	
#	ARTICLE Rapid thermal decomposition of confined graphene oxide films in air. Carbon, 2016, 101, 71-76.	IF 10.3	Citations 65
558	Fabrication of free-standing graphene paper decorated with flower-like PbSe <sub>0.5</sub> S <sub>0.5</sub>	3.6	8
559	Highly compressible anisotropic graphene aerogels fabricated by directional freezing for efficient absorption of organic liquids. Carbon, 2016, 100, 456-464.	10.3	237
560	Electromechanical Behavior of Chemically Reduced Graphene Oxide and Multi-walled Carbon Nanotube Hybrid Material. Nanoscale Research Letters, 2016, 11, 4.	5.7	35
561	Green synthesis of AgNPs/reduced graphene oxide nanocomposites and effect on the electrical performance of electrically conductive adhesives. Journal of Materials Science: Materials in Electronics, 2016, 27, 3540-3548.	2.2	16
562	High performance of reduced sulfonated graphite oxide nanoplatelets/polyurethane composites. Materials Letters, 2016, 168, 20-23.	2.6	4
563	Synthesis and characterization of graphene from waste dry cell battery for electronic applications. RSC Advances, 2016, 6, 10557-10564.	3.6	69
564	Chemical deposition of MnO2 nanosheets on graphene-carbon nanofiber paper as free-standing and flexible electrode for supercapacitors. Ionics, 2016, 22, 1185-1195.	2.4	30
565	Formation of larger-area graphene from small GO sheets in the presence of basic divalent sulfide species and its use in biomass conversion. RSC Advances, 2016, 6, 11176-11184.	3.6	8
566	Preparation of Free-Standing and Flexible Graphene/Ag Nanoparticles/Poly(pyronin Y) Hybrid Paper Electrode for Amperometric Determination of Nitrite. ACS Applied Materials & Interfaces, 2016, 8, 2713-2722.	8.0	117
567	Synthesis and electrochemical performance of polyaniline @MnO2/graphene ternary composites for electrochemical supercapacitors. Journal of Power Sources, 2016, 303, 175-181.	7.8	154
568	Ultrasonic-electrodeposition of PtPd alloy nanoparticles on ionic liquid-functionalized graphene paper: towards a flexible and versatile nanohybrid electrode. Nanoscale, 2016, 8, 1523-1534.	5.6	68
569	Enhanced power factor in flexible reduced graphene oxide/nanowires hybrid films for thermoelectrics. RSC Advances, 2016, 6, 31580-31587.	3.6	35
570	Low-temperature thermal reduction of graphene oxide films in ambient atmosphere: Infra-red spectroscopic studies and gas sensing applications. Microelectronic Engineering, 2016, 159, 146-150.	2.4	69
571	Graphene Paper Decorated with a 2D Array of Dendritic Platinum Nanoparticles for Ultrasensitive Electrochemical Detection of Dopamine Secreted by Live Cells. Chemistry - A European Journal, 2016, 22, 5204-5210.	3.3	55
572	A graphene oxide-wrapped bipyramidal sulfur@polyaniline core–shell structure as a cathode for Li–S batteries with enhanced electrochemical performance. Journal of Materials Chemistry A, 2016, 4, 6404-6410.	10.3	98
573	Wide-range work-function tuning of active graphene transparent electrodes via hole doping. RSC Advances, 2016, 6, 32746-32756.	3.6	29
574	New approach for the reduction of graphene oxide with triphenylphosphine dihalide. RSC Advances, 2016, 6, 18809-18813.	3.6	4

#	Article	IF	CITATIONS
575	Free-Standing Reduced Graphene Oxide Paper with High Electrical Conductivity. Journal of Electronic Materials, 2016, 45, 1290-1295.	2.2	32
576	Nacre-inspired integrated strong and tough reduced graphene oxide–poly(acrylic acid) nanocomposites. Nanoscale, 2016, 8, 5649-5656.	5.6	124
577	Graphene-based materials with tailored nanostructures for energy conversion and storage. Materials Science and Engineering Reports, 2016, 102, 1-72.	31.8	221
578	Integrated reduced graphene oxide multilayer/Li composite anode for rechargeable lithium metal batteries. RSC Advances, 2016, 6, 11657-11664.	3.6	31
579	Ultrahigh electrically and thermally conductive self-aligned graphene/polymer composites using large-area reduced graphene oxides. Carbon, 2016, 101, 120-128.	10.3	208
580	Tuning the reduction and conductivity of solution-processed graphene oxide by intense pulsed light. Carbon, 2016, 102, 236-244.	10.3	44
581	High performance flexbile ultraviolet photodetectors based on TIO2/Graphene hybrid. , 2016, , .		1
582	High performance cyclic olefin copolymer (COC) membranes prepared with melt processing method and using of surface modified graphitic nano-sheets for H2/CH4 and H2/CO2 separation. Chemical Engineering Research and Design, 2016, 109, 455-463.	5.6	16
583	Free-Standing Graphene Oxide-Palygorskite Nanohybrid Membrane for Oil/Water Separation. ACS Applied Materials & Interfaces, 2016, 8, 8247-8256.	8.0	214
584	An electrochemical biosensing platform based on 1-formylpyrene functionalized reduced graphene oxide for sensitive determination of phenol. RSC Advances, 2016, 6, 25427-25434.	3.6	18
585	The green reduction of graphene oxide. RSC Advances, 2016, 6, 27807-27828.	3.6	235
586	Silica-assisted bottom-up synthesis of graphene-like high surface area carbon for highly efficient ultracapacitor and Li-ion hybrid capacitor applications. Journal of Materials Chemistry A, 2016, 4, 5578-5591.	10.3	60
587	Graphene coated nonwoven fabrics as wearable sensors. Journal of Materials Chemistry C, 2016, 4, 3224-3230.	5.5	108
588	Preparation of graphene foam with high performance by modified self-assembly method. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	13
589	Characterisation of reduced graphene oxides prepared from natural flaky, lump and amorphous graphites. Materials Research Bulletin, 2016, 78, 119-127.	5.2	36
590	Nanocomposites of few-layer graphene oxide and alumina by density functional theory calculations. Journal of the European Ceramic Society, 2016, 36, 719-724.	5.7	12
591	One-pot facile fabrication of graphene-zinc oxide composite and its enhanced sensitivity for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. Sensors and Actuators B: Chemical, 2016, 227, 488-496.	7.8	269
592	A Review on Graphene-Based Gas/Vapor Sensors with Unique Properties and Potential Applications. Nano-Micro Letters, 2016, 8, 95-119.	27.0	491

#	Article	IF	CITATIONS
593	Efficient visible light photocatalytic heterostructure of nonstoichiometric bismuth oxyiodide and iodine intercalated Bi2O2CO3. Applied Catalysis B: Environmental, 2016, 184, 20-27.	20.2	49
594	Facile synthesis of highly conductive sulfur-doped reduced graphene oxide sheets. Physical Chemistry Chemical Physics, 2016, 18, 1125-1130.	2.8	103
595	Literature Review and Research Background. Springer Theses, 2016, , 1-49.	0.1	2
596	Structural Evolution of the Thermally Reduced Graphene NanosheetsDuring Annealing. Springer Theses, 2016, , 51-71.	0.1	1
597	NH 3 gas sensing properties of a gas sensor based on fluorinated graphene oxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 490, 104-109.	4.7	83
598	Free-Standing Graphene Film with High Conductivity by Thermal Reduction of Self-assembled Graphene Oxide Film. Springer Theses, 2016, , 97-110.	0.1	0
599	Durable electromechanical actuator based on graphene oxide with in situ reduced graphene oxide electrodes. Journal of Materials Science, 2016, 51, 1376-1381.	3.7	15
600	A simple and fast microwave assisted approach for the reduction of graphene oxide. Ceramics International, 2016, 42, 3007-3013.	4.8	32
601	Preparation of Ag nanoparticles-SnO2 nanoparticles-reduced graphene oxide hybrids and their application for detection of NO2 at room temperature. Sensors and Actuators B: Chemical, 2016, 222, 893-903.	7.8	122
602	Graphene reinforced UV-curable epoxy resins: Design, manufacture and material performance. Progress in Organic Coatings, 2016, 90, 414-424.	3.9	30
603	Electrochemical determination of sulfide in fruits using alizarin–reduced graphene oxide nanosheets modified electrode. Food Chemistry, 2016, 194, 1224-1229.	8.2	43
604	Graphene-based materials for electrochemical energy storage devices: Opportunities and challenges. Energy Storage Materials, 2016, 2, 107-138.	18.0	371
605	Reinforced natural rubber nanocomposites using graphene oxide as a reinforcing agent and their <i>in situ</i> reduction into highly conductive materials. Polymer Composites, 2017, 38, E199.	4.6	25
606	Solvothermal synthesis of nitrogen-doped graphene decorated by superparamagnetic Fe3O4 nanoparticles and their applications as enhanced synergistic microwave absorbers. Carbon, 2017, 115, 493-502.	10.3	327
607	Highly conductive free-standing reduced graphene oxide thin films for fast photoelectric devices. Carbon, 2017, 115, 561-570.	10.3	56
608	Capacitive Performance of Graphene-based Asymmetric Supercapacitor. Electrochimica Acta, 2017, 229, 173-182.	5.2	33
609	An asymmetric electrically conducting self-aligned graphene/polymer composite thin film for efficient electromagnetic interference shielding. AIP Advances, 2017, 7, .	1.3	37
610	Synthesis of Mn 3 O 4 /N-doped graphene hybrid and its improved electrochemical performance for lithium-ion batteries. Ceramics International, 2017, 43, 4655-4662.	4.8	40

#	APTICI F	IF	CITATIONS
611	Nano-tribology studies of reduced graphene oxide films in air and in aqueous solutions with	2.6	4
011	different pH values. Journal of Materials Research, 2017, 32, 323-333.	2.0	·
612	Toward Disposable Electrode for Sensitive Heavy Metal Detection in Environmental Water Samples. Industrial & Engineering Chemistry Research, 2017, 56, 1696-1703.	3.7	18
613	High-performance Bi-stage process in reduction of graphene oxide for transparent conductive electrodes. Optical Materials, 2017, 64, 366-375.	3.6	15
614	Solution Synthesis of Iodine-Doped Red Phosphorus Nanoparticles for Lithium-Ion Battery Anodes. Nano Letters, 2017, 17, 1240-1247.	9.1	113
615	Stretchable heaters with composites of an intrinsically conductive polymer, reduced graphene oxide and an elastomer for wearable thermotherapy. Journal of Materials Chemistry C, 2017, 5, 1544-1551.	5.5	107
616	Transparent Ag@Au–graphene patterns with conductive stability via inkjet printing. Journal of Materials Chemistry C, 2017, 5, 2800-2806.	5.5	42
617	Facile and Scalable Synthesis Method for High-Quality Few-Layer Graphene through Solution-Based Exfoliation of Graphite. ACS Applied Materials & Interfaces, 2017, 9, 4548-4557.	8.0	21
618	Facile synthesis of glucose-functionalized reduced graphene oxide (GFRGO)/poly(vinyl alcohol) nanocomposites for improving thermal and mechanical properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 217, 26-35.	3.5	36
619	Reinforced Natural Rubber Nanocomposites: Next Generation Advanced Material. Green Energy and Technology, 2017, , 309-345.	0.6	7
620	Optimizing the free radical content of graphene oxide by controlling its reduction. Carbon, 2017, 116, 703-712.	10.3	45
621	Advances in Subcritical Hydroâ€ <b>/</b> Solvothermal Processing of Graphene Materials. Advanced Materials, 2017, 29, 1605473.	21.0	68
622	Amorphous Molybdenum Sulfide Deposited Graphene Liquid Crystalline Fiber for Hydrogen Evolution Reaction Catalysis. Particle and Particle Systems Characterization, 2017, 34, 1600375.	2.3	31
623	The use of graphene oxide-embedded superporous poly(2-hydroxyethylmethacrylate) cryogels for p(aniline) conductive polymer synthesis and their use in sensor applications. Materials and Design, 2017, 120, 47-55.	7.0	25
624	Heavily aluminated graphene nanoplatelets as an efficient flame-retardant. Carbon, 2017, 116, 77-83.	10.3	43
625	Ultrafine palladium nanoparticle-bonded to polyetheylenimine grafted reduced graphene oxide nanosheets: Highly active and recyclable catalyst for degradation of dyes and pigments. Korean Journal of Chemical Engineering, 2017, 34, 609-618.	2.7	8
626	A Planar Grapheneâ€Based Film Supercapacitor Formed by Liquid–Air Interfacial Assembly. Advanced Materials Interfaces, 2017, 4, 1601127.	3.7	19
627	Nearâ€Stoichiometric Bulk Graphane from Halogenated Graphenes (X = Cl/Br/I) by the Birch Reduction for High Density Energy Storage. Advanced Functional Materials, 2017, 27, 1605797.	14.9	20
628	Simultaneous Reduction and Functionalization of Graphene Oxide via Ritter Reaction. ACS Applied Materials & Materi	8.0	31

#	Article	IF	CITATIONS
629	A comparative study of graphene oxide reduction in vapor and liquid phases. New Carbon Materials, 2017, 32, 21-26.	6.1	7
630	A method for selective bromination of graphene and its use for subsequent functionalization with aromatic molecules. Materials Research Express, 2017, 4, 045601.	1.6	3
631	Simulation Study on the Controllable Dielectrophoresis Parameters of Graphene. Chinese Physics Letters, 2017, 34, 046601.	3.3	2
632	1, 2â€Epoxy Propane Induced Selfâ€Assembly of Macroscopic Graphene with Good Adsorption. ChemistrySelect, 2017, 2, 3860-3865.	1.5	2
633	Tuning the plasmon resonance and work function of laser-scribed chemically doped graphene. Carbon, 2017, 120, 44-53.	10.3	23
634	Improved Thermoelectric Performance in Flexible Tellurium Nanowires/Reduced Graphene Oxide Sandwich Structure Hybrid Films. Journal of Electronic Materials, 2017, 46, 3049-3056.	2.2	9
635	Controllable SERS performance for the flexible paper-like films of reduced graphene oxide. Applied Surface Science, 2017, 419, 373-381.	6.1	40
636	Hybrid carbon based nanomaterials for electrochemical detection of biomolecules. Progress in Materials Science, 2017, 88, 499-594.	32.8	137
637	Voltage dependent reduction rates of graphene oxide in cell culture medium, deionized water, and an ionic liquid. Organic Electronics, 2017, 47, 66-71.	2.6	0
638	Grapheneâ€based Oxygen Reduction Electrodes for Low Temperature Solid Oxide Fuel Cells. Fuel Cells, 2017, 17, 344-352.	2.4	10
639	Enhanced mechanical, thermal, and electric properties of graphene aerogels via supercritical ethanol drying and high-temperature thermal reduction. Scientific Reports, 2017, 7, 1439.	3.3	115
640	Reduced graphene oxide/Mn 3 O 4 nanocrystals hybrid fiber for flexible all-solid-state supercapacitor with excellent volumetric energy density. Electrochimica Acta, 2017, 242, 10-18.	5.2	71
641	Graphene Oxide Based Electrochemical System for Energy Generation. Nanostructure Science and Technology, 2017, , 331-346.	0.1	1
642	The synthesis of highly corrugated graphene and its polyaniline composite for supercapacitors. New Journal of Chemistry, 2017, 41, 4629-4636.	2.8	8
643	Nondestructive rubbing fabrication of flexible graphene film for precise temperature controlling. AIP Advances, 2017, 7, .	1.3	4
644	Novel Slightly Reduced Graphene Oxide Based Proton Exchange Membrane with Constructed Long-Range Ionic Nanochannels via Self-Assembling of Nafion. ACS Applied Materials & Interfaces, 2017, 9, 22620-22627.	8.0	35
645	How Oxygen ontaining Groups on Graphene Influence the Antibacterial Behaviors. Advanced Materials Interfaces, 2017, 4, 1700228.	3.7	51
646	Highly Conductive Semitransparent Graphene Circuits Screenâ€Printed from Waterâ€Based Graphene Oxide Ink. Advanced Materials Technologies, 2017, 2, 1700011.	5.8	59
# 647	ARTICLE Influence of the Reduction of Graphene Oxide with Hydroiodic Acid on the Structure and Photoactivity of CdS–rGO Hybrids. Topics in Catalysis, 2017, 60, 1183-1195.	IF 2.8	CITATIONS
----------	--	-----------	-----------
648	Macroscopic assembly of flexible and strong green graphene fibres. RSC Advances, 2017, 7, 26735-26744.	3.6	7
649	Towards stoichiometric analogues of graphene: graphane, fluorographene, graphol, graphene acid and others. Chemical Society Reviews, 2017, 46, 4450-4463.	38.1	83
650	Fatigue Resistant Bioinspired Composite from Synergistic Two-Dimensional Nanocomponents. ACS Nano, 2017, 11, 7074-7083.	14.6	49
651	Enhanced performance of microbial fuel cell with in situ preparing dual graphene modified bioelectrode. Bioresource Technology, 2017, 241, 735-742.	9.6	43
652	Graphene aerogels: a review. 2D Materials, 2017, 4, 032001.	4.4	195
653	Free-standing graphene films prepared via foam film method for great capacitive flexible supercapacitors. Applied Surface Science, 2017, 422, 975-984.	6.1	20
654	In-situ chemical reduction produced graphene paper for flexible supercapacitors with impressive capacitive performance. Journal of Power Sources, 2017, 360, 48-58.	7.8	40
655	Trash to treasure: converting plastic waste into a useful graphene foil. Nanoscale, 2017, 9, 9089-9094.	5.6	54
656	Reduced graphene oxide prepared at low temperature thermal treatment as transparent conductors for organic electronic applications. Organic Electronics, 2017, 49, 165-173.	2.6	31
657	Mechanical, thermal, structural and barrier properties of crab shell chitosan/graphene oxide composite films. Food Hydrocolloids, 2017, 71, 141-148.	10.7	115
658	Fabrication of a transparent conducting electrode based on graphene/silver nanowires via layer-by-layer method for organic photovoltaic devices. Journal of Colloid and Interface Science, 2017, 505, 79-86.	9.4	29
659	Conductive graphene coatings synthesized from graphenide solutions. Carbon, 2017, 121, 217-225.	10.3	11
660	Synthesis and characterization of sulfophenyl-functionalized reduced graphene oxide sheets. RSC Advances, 2017, 7, 27224-27234.	3.6	363
661	Controllable reduction of graphene oxide and its application during the fabrication of high dielectric constant composites. Applied Surface Science, 2017, 420, 390-398.	6.1	43
662	Joule-heated graphene-wrapped sponge enables fast clean-up of viscous crude-oil spill. Nature Nanotechnology, 2017, 12, 434-440.	31.5	610
663	Surface onfined electropolymerization of pyronin Y in the graphene composite paper structure for the amperometric determination of dopamine. Journal of Applied Polymer Science, 2017, 134, 45139.	2.6	19
664	Porous graphene paper for supercapacitor applications. Journal of Materials Science and Technology, 2017, 33, 793-799.	10.7	54

#	Article	IF	CITATIONS
665	High efficiency dye-sensitized solar cells with tetra alkyl ammonium cation-based ionic liquid functionalized graphene oxide as a novel additive in nanocomposite electrolyte. Carbon, 2017, 118, 384-392.	10.3	44
666	Role of Oxygen Functionalities in Graphene Oxide Architectural Laminate Subnanometer Spacing and Water Transport. Environmental Science & Technology, 2017, 51, 4280-4288.	10.0	72
667	Determination of the activity of superoxide dismutase using a glassy carbon electrode modified with ferrocene imidazolium salts and hydroxy-functionalized graphene. Mikrochimica Acta, 2017, 184, 289-296.	5.0	5
668	Microwave assisted facile synthesis of reduced graphene oxide-silver (RGO-Ag) nanocomposite and their application as active SERS substrate. Materials Chemistry and Physics, 2017, 194, 274-282.	4.0	44
669	Discussing the Preparation Conditions of Graphene. Lecture Notes in Electrical Engineering, 2017, , 1155-1161.	0.4	0
670	One step GO/DTES co-deposition on steels: Electro-induced fabrication and characterization of thickness-controlled coatings. Chemical Engineering Journal, 2017, 320, 588-607.	12.7	14
671	Coprecipitation synthesis of hollow poly(acrylonitrile) microspheres@CoFe2O4 with graphene as lightweight microwave absorber. Journal of Materials Science: Materials in Electronics, 2017, 28, 3337-3348.	2.2	11
672	Ultrathin flexible reduced graphene oxide/cellulose nanofiber composite films with strongly anisotropic thermal conductivity and efficient electromagnetic interference shielding. Journal of Materials Chemistry C, 2017, 5, 3748-3756.	5.5	294
673	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. Chemical Reviews, 2017, 117, 6225-6331.	47.7	3,940
674	Zinc ions enhanced nacre-like chitosan/graphene oxide composite film with superior mechanical and shape memory properties. Chemical Engineering Journal, 2017, 321, 502-509.	12.7	44
675	Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. Advanced Materials Technologies, 2017, 2, 1600231.	5.8	12
676	Producing large-area, foldable graphene paper from graphite oxide suspensions by in-situ chemical reduction process. Carbon, 2017, 114, 424-434.	10.3	45
677	A bioinspired ionic liquid tagged cobalt-salophen complex for nonenzymatic detection of glucose. Biosensors and Bioelectronics, 2017, 91, 380-387.	10.1	41
678	An attempt towards fabricating reduced graphene oxide composites with traditional polymer processing techniques by adding chemical reduction agents. Composites Science and Technology, 2017, 140, 16-22.	7.8	28
679	Polyiodide-Doped Graphene. Journal of Physical Chemistry C, 2017, 121, 609-615.	3.1	23
680	Influence of the reduction of graphene oxide (rGO) on the structure and photoactivity of CdS-rGO hybrid systems. International Journal of Hydrogen Energy, 2017, 42, 13691-13703.	7.1	24
681	Graphene as initiator/catalyst in polymerization chemistry. Progress in Polymer Science, 2017, 67, 48-76.	24.7	39
682	lonic interactions to tune mechanical and electrical properties of hydrated liquid crystal graphene oxide films. Materials Chemistry and Physics, 2017, 186, 90-97.	4.0	3

#	Article	IF	CITATIONS
683	A facile, precise radial artery pulse sensor based on stretchable graphene-coated fiber. Sensors and Actuators A: Physical, 2017, 267, 532-537.	4.1	17
684	Strict molecular sieving over electrodeposited 2D-interspacing-narrowed graphene oxide membranes. Nature Communications, 2017, 8, 825.	12.8	110
685	Fatigueâ€Resistant Bioinspired Grapheneâ€Based Nanocomposites. Advanced Functional Materials, 2017, 27, 1703459.	14.9	37
686	Ultrathin, Washable, and Largeâ€Area Graphene Papers for Personal Thermal Management. Small, 2017, 13, 1702645.	10.0	177
687	Lateral diffusion of graphene oxides in water and the size effect on the orientation of dispersions and electrical conductivity. Carbon, 2017, 125, 280-288.	10.3	19
688	Thermal conductivities of PU composites with graphene aerogels reduced by different methods. Composites Part A: Applied Science and Manufacturing, 2017, 103, 161-167.	7.6	26
689	Synthesis and reduction of large sized graphene oxide sheets. Chemical Society Reviews, 2017, 46, 7306-7316.	38.1	221
690	Quantification and analysis of Raman spectra of graphene materials. Graphene Technology, 2017, 2, 47-62.	1.9	13
691	Electronic and magnetic properties of nitrogen functionalized graphene-oxide. Diamond and Related Materials, 2017, 79, 1-6.	3.9	24
692	Carbon Fibers and Their Thermal Transporting Properties. , 2017, , 135-184.		8
693	Capacitive Properties of the Binderâ€Free Electrode Prepared from Carbon Derived from Cotton and Reduced Graphene Oxide. Chinese Journal of Chemistry, 2017, 35, 1844-1852.	4.9	5
694	Hierarchical porous graphene film: An ideal material for laser-carving fabrication of flexible micro-supercapacitors with high specific capacitance. Carbon, 2017, 125, 308-317.	10.3	47
695	A stable and long-lasting concentration cell based on a reduced graphene oxide membrane and natural resource electrolyte. Journal of Materials Chemistry A, 2017, 5, 21130-21133.	10.3	3
696	Completely Green Approach for the Preparation of Strong and Highly Conductive Graphene Composite Film by Using Nanocellulose as Dispersing Agent and Mechanical Compression. ACS Sustainable Chemistry and Engineering, 2017, 5, 9102-9113.	6.7	90
697	Graphene/graphitic carbon nitride hybrids for catalysis. Materials Horizons, 2017, 4, 832-850.	12.2	168
698	A biomimetic, multifunctional, superhydrophobic graphene film with self-sensing and fast recovery properties for microdroplet transportation. Journal of Materials Chemistry A, 2017, 5, 17325-17334.	10.3	40
699	Electrocatalysts Derived from Metal–Organic Frameworks for Oxygen Reduction and Evolution Reactions in Aqueous Media. Small, 2017, 13, 1701143.	10.0	150
700	Graphene and graphene oxide for biosensing. Monatshefte Für Chemie, 2017, 148, 1937-1944.	1.8	9

#	Article	IF	CITATIONS
701	High-performance textile supercapacitor electrode materials enhanced with three-dimensional carbon nanotubes/graphene conductive network and in situ polymerized polyaniline. Electrochimica Acta, 2017, 249, 387-394.	5.2	58
702	MAPLE synthesis of reduced graphene oxide/silver nanocomposite electrodes: Influence of target composition and gas ambience. Journal of Alloys and Compounds, 2017, 726, 1003-1013.	5.5	14
703	Fiber-reinforced three-dimensional graphene aerogels for electrically conductive epoxy composites with enhanced mechanical properties. Chinese Journal of Polymer Science (English Edition), 2017, 35, 1381-1390.	3.8	16
704	Facile synthesis of uniformly dispersed ZnO nanoparticles on a polystyrene/rGO matrix and its superior electrical conductivity and photocurrent generation. RSC Advances, 2017, 7, 31272-31280.	3.6	18
705	Reduction versus cross-linking: how to improve the tensile strength of graphene oxide/polyvinyl alcohol composite film. Materials Research Express, 2017, 4, 085601.	1.6	5
706	Green reduction of graphene oxide by polydopamine to a construct flexible film: superior flame retardancy and high thermal conductivity. Journal of Materials Chemistry A, 2017, 5, 18542-18550.	10.3	116
707	An in situ iodine-doped graphene/silicon composite paper as a highly conductive and self-supporting electrode for lithium-ion batteries. RSC Advances, 2017, 7, 38639-38646.	3.6	12
708	Effect of the graphite oxide composition on the structure of products obtained by sulfuric acid treatment at elevated temperatures. Journal of Structural Chemistry, 2017, 58, 1180-1186.	1.0	11
709	Copper-embedded reduced graphene oxide fibers for multi-sensors. Journal of Materials Chemistry C, 2017, 5, 12825-12832.	5.5	17
710	The role of sp <sup>2</sup> /sp <sup>3</sup> hybrid carbon regulation in the nonlinear optical properties of graphene oxide materials. RSC Advances, 2017, 7, 53643-53652.	3.6	78
711	Muscle activity monitoring with fabric stretch sensors. Fibers and Polymers, 2017, 18, 1931-1937.	2.1	5
712	The effects of capacitively coupled CH4 plasma on the reduction of the graphene oxide film. Molecular Crystals and Liquid Crystals, 2017, 651, 203-207.	0.9	2
713	RGO/TPU composite with a segregated structure as thermal interface material. Composites Part A: Applied Science and Manufacturing, 2017, 101, 108-114.	7.6	54
714	Localized electrochemistry for the investigation and the modification of 2D materials. Applied Materials Today, 2017, 8, 116-124.	4.3	11
715	In-situ reduced graphene oxide-polyvinyl alcohol composite coatings as protective layers on magnesium substrates. Progress in Natural Science: Materials International, 2017, 27, 326-328.	4.4	17
716	Spray-painted graphene oxide membrane fuel cells. Journal of Membrane Science, 2017, 541, 347-357.	8.2	55
717	How Reliable Are Raman Spectroscopy Measurements of Graphene Oxide?. Journal of Physical Chemistry C, 2017, 121, 16584-16591.	3.1	32
718	Distinct Chemical and Physical Properties of Janus Nanosheets. ACS Nano, 2017, 11, 7485-7493.	14.6	79

#	Article	IF	CITATIONS
719	Robust Bioinspired Graphene Film via π–π Cross-linking. ACS Applied Materials & Interfaces, 2017, 9, 24987-24992.	8.0	53
720	Enhanced ferromagnetism in edge enriched holey/lacey reduced graphene oxide nanoribbons. Materials and Design, 2017, 132, 295-301.	7.0	13
721	Graphene and graphene-based composites as Li-ion battery electrode materials and their application in full cells. Journal of Materials Chemistry A, 2017, 5, 15423-15446.	10.3	184
722	Fabrication of chemiresistive gas sensors based on multistep reduced graphene oxide for low parts per million monitoring of sulfur dioxide at room temperature. Sensors and Actuators B: Chemical, 2017, 242, 461-468.	7.8	86
723	Reduced graphene oxide/α-Fe2O3 hybrid nanocomposites for room temperature NO2 sensing. Sensors and Actuators B: Chemical, 2017, 241, 109-115.	7.8	84
724	Antipoisoning Performance of Platinum Catalysts with Varying Carbon Nanotube Properties: Electrochemically Revealing the Importance of Defects. ChemElectroChem, 2017, 4, 296-303.	3.4	3
725	Environmentally-friendly conductive cotton fabric as flexible strain sensor based on hot press reduced graphene oxide. Carbon, 2017, 111, 622-630.	10.3	308
726	Free-standing hybrid film of less defective graphene coated with mesoporous TiO <sub>2</sub> for lithium ion batteries with fast charging/discharging capabilities. 2D Materials, 2017, 4, 015011.	4.4	15
727	Flexible paper sensor fabricated via in situ growth of Cu nanoflower on RGO sheets towards amperometrically non-enzymatic detection of glucose. Sensors and Actuators B: Chemical, 2017, 238, 802-808.	7.8	87
728	In situ one-pot preparation of reduced graphene oxide/polyaniline composite for high-performance electrochemical capacitors. Applied Surface Science, 2017, 392, 71-79.	6.1	85
729	Efficient dispersion of carbon nanotube by synergistic effects of sisal cellulose nano-fiber and graphene oxide. Composite Interfaces, 2017, 24, 291-305.	2.3	19
730	Categories of Oxide Phosphors. , 2017, , 265-283.		1
731	The recent progress and future of oxygen reduction reaction catalysis: A review. Renewable and Sustainable Energy Reviews, 2017, 69, 401-414.	16.4	300
732	CO 2 -selective mixed matrix membranes (MMMs) containing graphene oxide (GO) for enhancing sustainable CO 2 capture. International Journal of Greenhouse Gas Control, 2017, 56, 22-29.	4.6	74
733	Graphene intercalated in graphene-like MoS 2 : A promising cathode for rechargeable Mg batteries. Journal of Power Sources, 2017, 340, 104-110.	7.8	73
734	Synthesis of mesoporous reduced graphene oxide by Zn particles for electrodes of supercapacitor in ionic liquid electrolyte. Journal of Industrial and Engineering Chemistry, 2017, 45, 105-110.	5.8	32
735	Fabrication of free-standing reduced graphene oxide composite papers doped with different dyes and comparison of their electrochemical performance for electrocatalytical oxidation of nitrite. Electrochimica Acta, 2017, 258, 1376-1386.	5.2	25
736	7 Graphene/Polymer Composite Materials: Processing, Properties and Applications. , 2017, , 349-419.		19

#	Article	IF	CITATIONS
737	Electrical and optical properties of reduced graphene oxide thin film deposited onto polyethylene terephthalate by spin coating technique. Applied Optics, 2017, 56, 7774.	1.8	14
738	Synthesis of graphene–transition metal oxide hybrid nanoparticles and their application in various fields. Beilstein Journal of Nanotechnology, 2017, 8, 688-714.	2.8	93
739	Recent Developments of Graphene Oxide-Based Membranes: A Review. Membranes, 2017, 7, 52.	3.0	135
740	Flexible Transparent Electrode of Hybrid Ag-Nanowire/Reduced-Graphene-Oxide Thin Film on PET Substrate Prepared Using H2/Ar Low-Damage Plasma. Polymers, 2017, 9, 28.	4.5	8
741	Electrochemical Properties of Cellulose-nano-fiber/Reduced graphene oxide/Carbon-nano-tube Aerogel. International Journal of Electrochemical Science, 2017, 12, 9335-9347.	1.3	6
742	Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. Materials Science and Engineering Reports, 2018, 125, 1-41.	31.8	182
743	Characteristics tuning of graphene-oxide-based-graphene to various end-uses. Energy Storage Materials, 2018, 14, 8-21.	18.0	43
744	Direct 3D Printing of Ultralight Graphene Oxide Aerogel Microlattices. Advanced Functional Materials, 2018, 28, 1707024.	14.9	284
745	A Cutâ€andâ€Paste Approach to 3D Grapheneâ€Oxideâ€Based Architectures. Advanced Materials, 2018, 30, e1706229.	21.0	46
746	Multiple Synergistic Toughening Graphene Nanocomposites through Cadmium Ions and Cellulose Nanocrystals. Advanced Materials Interfaces, 2018, 5, 1800145.	3.7	23
747	Fabrication of graphene-fullerene hybrid by self-assembly and its application as support material for methanol electrocatalytic oxidation reaction. Applied Surface Science, 2018, 440, 477-483.	6.1	27
748	Ultrafast, Reversible Transition of Superwettability of Graphene Network and Controllable Underwater Oil Adhesion for Oil Microdroplet Transportation. Advanced Functional Materials, 2018, 28, 1706686.	14.9	44
749	Graphene oxide nanosheets to improve permeability and selectivity of PIM-1 membrane for carbon dioxide separation. Journal of Industrial and Engineering Chemistry, 2018, 63, 296-302.	5.8	49
750	Development of graphene oxide (GO)/multi-walled carbon nanotubes (MWCNTs) nanocomposite conductive membranes for electrically enhanced fouling mitigation. Journal of Membrane Science, 2018, 552, 189-201.	8.2	80
751	Preparation of highly conductive, transparent, and flexible graphene/silver nanowires substrates using non-thermal laser photoreduction. Optics and Laser Technology, 2018, 103, 367-372.	4.6	54
752	Graphene aerogel films with expansion enhancement effect of high-performance electromagnetic interference shielding. Carbon, 2018, 135, 44-51.	10.3	129
753	Mechanical properties of thin films of graphene materials: A study on their structural quality and functionalities. Current Applied Physics, 2018, 18, 879-885.	2.4	9
754	Effects of Microwave Irradiation on Electricity of Graphene Oxide Films. , 2018, , 75-81.		0

#	Article	IF	CITATIONS
755	Highly stable graphene-oxide-based membranes with superior permeability. Nature Communications, 2018, 9, 1486.	12.8	428
756	Application of graphene-based materials in water purification: from the nanoscale to specific devices. Environmental Science: Nano, 2018, 5, 1264-1297.	4.3	102
757	Three dimension (3D) hierarchical electrode (Au/rGO/CoPt3) for electrooxidation of ethanol in fuel cells. International Journal of Hydrogen Energy, 2018, 43, 12596-12602.	7.1	3
758	<i>Glycera</i> â€Inspired Synergistic Interfacial Interactions for Constructing Ultrastrong Grapheneâ€Based Nanocomposites. Advanced Functional Materials, 2018, 28, 1800924.	14.9	35
759	Laserâ€Reduced Graphene: Synthesis, Properties, and Applications. Advanced Materials Technologies, 2018, 3, 1700315.	5.8	116
760	Graphene-based materials and their composites: A review on production, applications and product limitations. Composites Part B: Engineering, 2018, 142, 200-220.	12.0	765
761	Rapid oxidation of CVD-grown graphene using mild atmospheric pressure O2 plasma jet. Surface and Coatings Technology, 2018, 350, 1085-1090.	4.8	9
762	High performance heterojunction photocatalytic membranes formed by embedding Cu <sub>2</sub> O and TiO <sub>2</sub> nanowires in reduced graphene oxide. Catalysis Science and Technology, 2018, 8, 1704-1711.	4.1	23
763	Reduced graphene oxide modified melamine formaldehyde (rGO@MF) superhydrophobic sponge for efficient oil–water separation. Journal of Porous Materials, 2018, 25, 1475-1488.	2.6	54
764	In situ vitamin C reduction of graphene oxide for preparing flexible TPU nanocomposites with high dielectric permittivity and low dielectric loss. Polymer Testing, 2018, 66, 334-341.	4.8	9
765	A facile approach to fabricate few-layer chemically modified and reduced graphene oxide sheets: Combination of stitching, reduction and functionaliztion. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 30-37.	2.1	10
766	Green reduction of graphene oxide by ascorbic acid. AIP Conference Proceedings, 2018, , .	0.4	26
767	Microstructural Characteristics and Mechanical Behavior of Spark Plasma-Sintered Cu–Cr–rGO Copper Matrix Composites. Acta Metallurgica Sinica (English Letters), 2018, 31, 761-770.	2.9	16
768	Electrochemistry of ZnO@reduced graphene oxides. Carbon, 2018, 130, 480-486.	10.3	58
769	Enhanced Electrical Conductivity of Cellulose Nanofiber/Graphene Composite Paper with a Sandwich Structure. ACS Sustainable Chemistry and Engineering, 2018, 6, 2983-2990.	6.7	49
770	Development of a novel carbon-based conductive membrane with in-situ formed MnO2 catalyst for wastewater treatment in bio-electrochemical system (BES). Journal of Membrane Science, 2018, 549, 533-542.	8.2	46
771	Chemical Oxidation of Graphite: Evolution of the Structure and Properties. Journal of Physical Chemistry C, 2018, 122, 929-935.	3.1	38
772	Plasma-treated Langmuir–Blodgett reduced graphene oxide thin film for applications in biophotovoltaics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7

#	Article	IF	CITATIONS
773	Corrosion behaviour of eco-friendly airbrushed reduced graphene oxide-poly(vinyl alcohol) coatings. Green Chemistry, 2018, 20, 506-514.	9.0	46
774	Fabrication of flexible free-standing reduced graphene oxide/polyaniline nanocomposite film for all-solid-state flexible supercapacitor. Electrochimica Acta, 2018, 261, 151-159.	5.2	64
775	A non-dispersion strategy for large-scale production of ultra-high concentration graphene slurries in water. Nature Communications, 2018, 9, 76.	12.8	151
776	Recent advances in graphene-based freestanding paper-like materials for sensing applications. TrAC - Trends in Analytical Chemistry, 2018, 105, 75-88.	11.4	52
777	Role of Interface Interactions in the Construction of GOâ€Based Artificial Nacres. Advanced Materials Interfaces, 2018, 5, 1800107.	3.7	25
778	Significantly reduced <i>c</i> -axis thermal diffusivity of graphene-based papers. Nanotechnology, 2018, 29, 265702.	2.6	12
779	Graphene-based Janus film with improved sensitive response capacity for smart actuators. Sensors and Actuators B: Chemical, 2018, 268, 421-429.	7.8	27
780	Structural properties of graphene oxide fibers: from graphene oxide dispersion until continuous graphene oxide fiber. Journal of the Textile Institute, 2018, 109, 1642-1652.	1.9	3
781	In-situ growth of high-performance all-solid-state electrode for flexible supercapacitors based on carbon woven fabric/ polyaniline/ graphene composite. Journal of Power Sources, 2018, 384, 278-286.	7.8	80
782	Three-Dimensional Printing of Polyaniline/Reduced Graphene Oxide Composite for High-Performance Planar Supercapacitor. ACS Applied Materials & Interfaces, 2018, 10, 10437-10444.	8.0	175
783	Role of chemical functional groups on thermal and electrical properties of various graphene oxide derivatives: a comparative x-ray photoelectron spectroscopy analysis. Materials Research Express, 2018, 5, 035604.	1.6	24
784	Online tracking of the thermal reduction of graphene oxide by two-dimensional correlation infrared spectroscopy. Vibrational Spectroscopy, 2018, 96, 32-45.	2.2	16
785	Graphene enhanced flexible expanded graphite film with high electric, thermal conductivities and EMI shielding at low content. Carbon, 2018, 133, 435-445.	10.3	104
786	Fire Alarm Wallpaper Based on Fire-Resistant Hydroxyapatite Nanowire Inorganic Paper and Graphene Oxide Thermosensitive Sensor. ACS Nano, 2018, 12, 3159-3171.	14.6	155
787	Graphene oxide and graphene fiber produced by different nozzle size, feed rate and reduction time with vitamin C. Journal of Industrial Textiles, 2018, 48, 292-303.	2.4	8
788	Polyurethane Composite Foams in High-Performance Applications: A Review. Polymer-Plastics Technology and Engineering, 2018, 57, 346-369.	1.9	185
789	TiO 2 -glucose LMCT complex/reduced graphene oxide sheet (rGO): An efficient visible light photocatalyst for Cr(VI) reduction. Journal of Environmental Chemical Engineering, 2018, 6, 3664-3672.	6.7	19
790	Three-dimensional graphene monolith-based composite: superiority in properties and applications. International Materials Reviews, 2018, 63, 204-225.	19.3	30

#	Article	IF	CITATIONS
791	Polymer/graphene oxide (GO) thermoset composites with GO as a crosslinker. Korean Journal of Chemical Engineering, 2018, 35, 303-317.	2.7	19
792	Chemical reduction dependent dielectric properties and dielectric loss mechanism of reduced graphene oxide. Carbon, 2018, 127, 209-217.	10.3	268
793	Surface-functionalized graphene-based quasi-solid-state Na-ion hybrid capacitors with excellent performance. Energy Storage Materials, 2018, 11, 8-15.	18.0	60
794	Large-area self-assembled reduced graphene oxide/electrochemically exfoliated graphene hybrid films for transparent electrothermal heaters. Applied Surface Science, 2018, 435, 809-814.	6.1	77
795	Synthesis, characterization of graphene oxide wrapped silicon carbide for excellent mechanical and damping performance for aerospace application. Journal of Alloys and Compounds, 2018, 740, 436-445.	5.5	32
796	Reduction of Graphene Oxide Thin Films by Cobaltocene and Decamethylcobaltocene. ACS Applied Materials & Interfaces, 2018, 10, 2004-2015.	8.0	22
797	An in vitro cytotoxicity assessment of graphene nanosheets on alveolar cells. Applied Surface Science, 2018, 434, 1274-1284.	6.1	21
798	Fabricating Sulfur/Oxygen Coâ€Doped Crumpled Graphene for Highâ€Performance Oxygen Reduction Reaction Electrocatalysis. ChemElectroChem, 2018, 5, 242-246.	3.4	4
799	Effect of various reduction methods of graphene oxide on electromagnetic shielding performance of reduced graphene oxide against electromagnetic pollution in X-band frequency. Materials Today Communications, 2018, 16, 374-379.	1.9	12
800	Sonochemically synthesized blue fluorescent functionalized graphene oxide as a drug delivery system. Ultrasonics Sonochemistry, 2018, 42, 124-133.	8.2	32
801	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. Carbon, 2018, 127, 218-227.	10.3	143
802	Aggregation prevention: reduction of graphene oxide in mixed medium of alkylphenol polyoxyethylene (7) ether and 2-methoxyethanol. RSC Advances, 2018, 8, 39140-39148.	3.6	12
803	Reduced graphene oxide produced by chemical and hydrothermal methods. Materials Today: Proceedings, 2018, 5, 16306-16312.	1.8	23
804	Electrochemical Analysis of Graphene Oxide and Reduced Graphene Oxide for Super Capacitor Applications. , 2018, , .		7
805	Facile Synthesis and Characterization of Reduced Graphene Oxide Produced with Green and Conventional Reductants. ECS Journal of Solid State Science and Technology, 2018, 7, M173-M179.	1.8	10
806	Human Motion Recognition Using E-textile Sensor and Adaptive Neuro-Fuzzy Inference System. Fibers and Polymers, 2018, 19, 2657-2666.	2.1	17
807	Graphene as a Material for Bioelectrochemistry. , 2018, , 235-240.		1
808	A brief review on plasma for synthesis and processing of electrode materials. Materials Today Nano, 2018, 3, 28-47.	4.6	59

#	Article	IF	Citations
809	Rapid and efficient synthesis of reduced graphene oxide nano-sheets using CO ambient atmosphere as a reducing agent. Journal of Materials Science: Materials in Electronics, 2018, 29, 19402-19412.	2.2	12
810	Multifunctional, Superelastic, and Lightweight MXene/Polyimide Aerogels. Small, 2018, 14, e1802479.	10.0	418
811	Polystyrene/rGO Composites with Orientation-3D Network Binary Structure and Its Surprising Conductivity. Macromolecules, 2018, 51, 7993-8000.	4.8	23
812	Facile fabrication of TiO2-graphene nanocomposites (TGNCs) for the efficient photocatalytic oxidation of perfluorooctanoic acid (PFOA). Journal of Environmental Chemical Engineering, 2018, 6, 6359-6369.	6.7	41
813	Simultaneously Detection of Pb2+ and Hg2+ Using Electrochemically Reduced Graphene Oxide. International Journal of Electrochemical Science, 2018, 13, 785-796.	1.3	8
814	Graphene Applications in Advanced Thermal Management. , 2018, , 823-865.		0
815	Interface-mediated hygroelectric generator with an output voltage approaching 1.5 volts. Nature Communications, 2018, 9, 4166.	12.8	208
816	Sensitive Dopamine Sensor Based on Three Dimensional and Macroporous Carbon Aerogel Microelectrode. International Journal of Electrochemical Science, 2018, 13, 4379-4389.	1.3	15
817	Dynamic assembly of liquid crystalline graphene oxide gel fibers for ion transport. Science Advances, 2018, 4, eaau2104.	10.3	90
819	Reversible Actuation Ability upon Light Stimulation of the Smart Systems with Controllably Grafted Graphene Oxide with Poly (Glycidyl Methacrylate) and PDMS Elastomer: Effect of Compatibility and Graphene Oxide Reduction on the Photo-Actuation Performance. Polymers, 2018, 10, 832.	4.5	22
820	Hybrid Carbon–Silver Nanofillers for Composite Coatings with Near Metallic Electrical Conductivity. Advanced Engineering Materials, 2018, 20, 1800541.	3.5	8
821	Supermolecule polymerization derived porous nitrogen-doped reduced graphene oxide as a high-performance electrode material for supercapacitors. Electrochimica Acta, 2018, 292, 20-30.	5.2	36
822	Iodine-steam doped graphene films for high-performance electrochemical capacitive energy storage. Journal of Power Sources, 2018, 400, 605-612.	7.8	25
823	Rapid Synthesis of Oxygen-Rich Covalent C <sub>2</sub> N (CNO) Nanosheets by Sacrifice of HKUST-1: Advanced Metal-Free Nanofillers for Polymers. ACS Applied Materials & Interfaces, 2018, 10, 32688-32697.	8.0	9
824	Overview of carbon nanostructures and nanocomposites for electromagnetic wave shielding. Carbon, 2018, 140, 696-733.	10.3	574
825	Fabrication of highly conductive graphene particleâ€coated fiber yarns using polymeric binders through efficient coating techniques. Advances in Polymer Technology, 2018, 37, 3438-3447.	1.7	11
826	Single Janus iodine-doped rGO/rGO film with multi-responsive actuation and high capacitance for smart integrated electronics. Nano Energy, 2018, 53, 916-925.	16.0	51
827	Insight the effect of crystallinity of natural graphite on the electrochemical performance of reduced graphene oxide. Results in Physics, 2018, 11, 131-137.	4.1	19

#	Article	IF	CITATIONS
828	Hydrothermal synthesis of high quality graphene nanosheets anchored by uniform and well distributed silicon nanoparticles. Superlattices and Microstructures, 2018, 124, 240-247.	3.1	11
829	Sandwich-Like Holey Graphene/PANI/Graphene Nanohybrid for Ultrahigh-Rate Supercapacitor. ACS Applied Energy Materials, 0, , .	5.1	14
830	Hydrated aramid nanofiber network enhanced flexible expanded graphite films towards high EMI shielding and thermal properties. Composites Science and Technology, 2018, 168, 28-37.	7.8	50
831	Efficient and scalable synthesis of highly aligned and compact two-dimensional nanosheet films with record performances. Nature Communications, 2018, 9, 3484.	12.8	165
832	A facile green synthesis of amino acid boosted Ag decorated reduced graphene oxide nanocomposites and its catalytic activity towards 4-nitrophenol reduction. Surfaces and Interfaces, 2018, 13, 79-91.	3.0	53
833	Pulsed electrodeposition of reduced graphene oxide on Ni NiO foam electrode for high-performance supercapacitor. International Journal of Hydrogen Energy, 2018, 43, 12233-12250.	7.1	18
834	Scalable fabrication of ultrathin free-standing graphene nanomesh films for flexible ultrafast electrochemical capacitors with AC line-filtering performance. Nano Energy, 2018, 50, 182-191.	16.0	66
835	Investigation on the structures and magnetic properties of carbon or nitrogen doped cobalt ferrite nanoparticles. Scientific Reports, 2018, 8, 7916.	3.3	15
836	Free-standing, layered graphene monoliths for long-life supercapacitor. Chemical Engineering Journal, 2018, 350, 386-394.	12.7	67
837	Reduced graphene oxide decorated Pt activated SnO2 nanoparticles for enhancing methanol sensing performance. Journal of Alloys and Compounds, 2018, 762, 8-15.	5.5	39
838	Wet-spun graphene filaments: effect of temperature of coagulation bath and type of reducing agents on mechanical & electrical properties. RSC Advances, 2018, 8, 17443-17452.	3.6	5
839	The pH dependent reactions of graphene oxide with small molecule thiols. RSC Advances, 2018, 8, 18388-18395.	3.6	9
840	One-pot green synthesis of Ag nanoparticle-decorated reduced graphene oxide composites: effect of Ag/graphene oxide volume ratio and its demonstration as low-voltage on-chip photodetector. Journal of Materials Science, 2018, 53, 11620-11632.	3.7	11
841	Electrolyte-assisted hydrothermal synthesis of holey graphene films for all-solid-state supercapacitors. Journal of Materials Chemistry A, 2018, 6, 11471-11478.	10.3	58
842	Separation and purification using GO and r-GO membranes. RSC Advances, 2018, 8, 23130-23151.	3.6	80
843	Structural integrity versus lateral size: Enhancing graphene-based film materials by reducing planar defects rather than flake boundary. Carbon, 2018, 139, 216-225.	10.3	20
844	Biomedical Applications of Graphene Nanomaterials and Beyond. ACS Biomaterials Science and Engineering, 2018, 4, 2653-2703.	5.2	161
845	Carbon and Metal Oxides Based Nanomaterials for Flexible High Performance Asymmetric Supercapacitors. Springer Theses, 2018, , .	0.1	5

#	Article	IF	CITATIONS
846	Shungite Carbon as Unexpected Natural Source of Few-Layer Graphene Platelets in a Low Oxidation State. Inorganic Chemistry, 2018, 57, 8487-8498.	4.0	10
847	All-solid-state planar on-chip supercapacitors based on reduced graphene oxide by liquid-air interfacial assembly. Ferroelectrics, 2018, 530, 97-105.	0.6	1
848	Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. Journal of Applied Physics, 2018, 123, 244302.	2.5	2
849	Metal Ion/Dendrimer Complexes with Tunable Work Functions in a Wide Range and Their Application as Electron―and Holeâ€Transport Materials of Nonâ€Fullerene Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1802554.	14.9	13
850	Comparative study on chemical reduction of free-standing flexible GO films and their cyclic voltammetry performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 630-637.	4.7	9
851	Graphene Modified Electro-Fenton Catalytic Membrane for in Situ Degradation of Antibiotic Florfenicol. Environmental Science & amp; Technology, 2018, 52, 9972-9982.	10.0	194
852	Fabrication of free-standing graphene oxide films using a facile approach toluene swollen paraffin peeling and green reduction of these films into highly conductive reduced graphene oxide films. Chemical Engineering Journal, 2018, 354, 149-161.	12.7	13
853	A new strategy for the preparation of flexible macroscopic graphene fibers as supercapacitor electrodes. Materials and Design, 2018, 157, 170-178.	7.0	24
854	Tunable Electronic and Topological Properties of Germanene by Functional Group Modification. Nanomaterials, 2018, 8, 145.	4.1	19
855	Strong, Conductive, Foldable Graphene Sheets by Sequential Ionic and π Bridging. Advanced Materials, 2018, 30, e1802733.	21.0	73
856	Improvement of optoelectronic properties of single-walled carbon nanotube films by laser treatment. Diamond and Related Materials, 2018, 88, 144-150.	3.9	21
857	Rapid preparation of conductive transparent films via solution printing of graphene precursor. Thin Solid Films, 2018, 657, 24-31.	1.8	14
858	Anisotropic thermal expansion coefficient of multilayer graphene reinforced copper matrix composites. Journal of Alloys and Compounds, 2018, 755, 114-122.	5.5	35
859	Sequentially bridged graphene sheets with high strength, toughness, and electrical conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5359-5364.	7.1	114
860	Solution electrochemical approach to functionalized graphene: History, progress and challenges. Carbon, 2018, 140, 41-56.	10.3	34
861	Ultra-fast charging–discharging planar on-chip micro-supercapacitors based on reduced graphene oxide films by modified liquid–air interface self-assembly. Journal of Applied Electrochemistry, 2018, 48, 1213-1220.	2.9	15
862	Nickel phthalocyanine integrated graphene architecture as bifunctional electrocatalyst for CO2 and O2 reductions. Journal of Electroanalytical Chemistry, 2018, 826, 1-9.	3.8	33
863	Photon Energy Dependent Micro-Raman Spectroscopy with a Continuum Laser Source. Scientific Reports, 2018, 8, 11621.	3.3	9

#	Article	IF	CITATIONS
864	Nanosizedâ€Zincâ€Mediated Selfâ€Gelation of Graphene Oxide under Ambient Conditions. ChemPlusChem, 2018, 83, 947-955.	2.8	1
865	Hydrothermal Synthesis of αâ€MnS Nanoflakes@Nitrogen and Sulfur Coâ€doped rGO for Highâ€Performance Hybrid Supercapacitor. ChemistrySelect, 2018, 3, 6061-6072.	1.5	53
866	Preparation of 2D material dispersions and their applications. Chemical Society Reviews, 2018, 47, 6224-6266.	38.1	459
867	Synthesis and characterization of blue fluorescent surface modified nano-graphene oxide flakes as a pH-sensitive drug delivery system. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	5
868	Wonder material graphene: properties, synthesis and practical applications. Advances in Materials and Processing Technologies, 2018, 4, 573-602.	1.4	12
869	A facile colloidal crystal templating method to produce three-dimensional hierarchical porous graphene–Fe3O4 nanocomposite for the removal of dyes from aqueous solution. Journal of Porous Materials, 2019, 26, 271-280.	2.6	10
870	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. Applied Surface Science, 2019, 463, 403-411.	6.1	35
871	Solvent-Free Synthesis of Phosphonic Graphene Derivative and Its Application in Mercury Ions Adsorption. Nanomaterials, 2019, 9, 485.	4.1	5
872	The charge carrier dynamics, efficiency and stability of two-dimensional material-based perovskite solar cells. Chemical Society Reviews, 2019, 48, 4854-4891.	38.1	139
873	New generation graphene oxide for removal of polycyclic aromatic hydrocarbons. , 2019, , 241-266.		7
874	Synthesis of high-quality graphene with enhanced electrochemical properties by two-step reduction method. Ceramics International, 2019, 45, 23954-23965.	4.8	10
875	Building a Bridge from Papermaking to Solar Fuels. Angewandte Chemie - International Edition, 2019, 58, 14850-14854.	13.8	21
876	Graphene-Based Planar On-Chip Micro-Supercapacitors with Whole Series/Parallel Configuration for Integration. Integrated Ferroelectrics, 2019, 199, 95-104.	0.7	4
877	Room temperature ultrafast synthesis of N- and O-rich graphene films with an expanded interlayer distance for high volumetric capacitance supercapacitors. Nanoscale, 2019, 11, 16515-16522.	5.6	19
878	Graphene oxide embedded P(AAm)/PANI cryogel polymer composites for sensor application against pesticide, nitro compound, and organic dyes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 994-1003.	2.2	4
879	Three dimensional cross-linked and flexible graphene composite paper with ultrafast electrothermal response at ultra-low voltage. Carbon, 2019, 154, 150-155.	10.3	31
880	Highly conductive, flexible and functional multi-channel graphene microtube fabricated by electrospray deposition technique. Journal of Materials Science, 2019, 54, 14378-14387.	3.7	7
881	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. Progress in Energy and Combustion Science, 2019, 75, 100786.	31.2	379

#	Article	IF	CITATIONS
882	A novel and feasible approach for polymer amine modified graphene oxide to improve water resistance, thermal, and mechanical ability of waterborne polyurethane. Applied Surface Science, 2019, 491, 301-312.	6.1	44
883	Preparation of Thin-Layer Graphene Using RAFT Polymerization and a Thiol-Ene Click Reaction. Macromolecular Research, 2019, 27, 955-962.	2.4	4
884	Utilizing ammonium persulfate assisted expansion to fabricate flexible expanded graphite films with excellent thermal conductivity by introducing wrinkles. Carbon, 2019, 153, 565-574.	10.3	29
885	Engineering Graphene Wrinkles for Large Enhancement of Interlaminar Friction Enabled Damping Capability. ACS Applied Materials & Interfaces, 2019, 11, 30278-30289.	8.0	26
886	Nitrogenâ€Doped Reduced Graphene Oxide Hydrogel Achieved via a Oneâ€Step Hydrothermal Process. ChemNanoMat, 2019, 5, 1144-1151.	2.8	9
887	Janus Graphene Liquid Crystalline Fiber with Tunable Properties Enabled by Ultrafast Flash Reduction. Small, 2019, 15, e1901529.	10.0	27
888	Preparation of and research on bioinspired graphene oxide/nanocellulose/polydopamine ternary artificial nacre. Materials and Design, 2019, 181, 107961.	7.0	28
889	rGO/Fe <sub>3</sub> O <sub>4</sub> hybrid induced ultra-efficient EMI shielding performance of phenolic-based carbon foam. RSC Advances, 2019, 9, 20643-20651.	3.6	41
890	Layered coating of ultraflexible graphene-based electrodes for high-performance in-plane quasi-solid-state micro-supercapacitors. Nanoscale, 2019, 11, 14392-14399.	5.6	30
892	Graphene aerogels for oil absorption. Interface Science and Technology, 2019, , 173-197.	3.3	13
893	A facile method to enhance the performance of soil bioelectrochemical systems using in situ reduced graphene oxide. Electrochimica Acta, 2019, 324, 134881.	5.2	20
894	Conformal 3D Nanopatterning by Block Copolymer Lithography with Vapor-Phase Deposited Neutral Adlayer. ACS Nano, 2019, 13, 13092-13099.	14.6	15
895	Insights into pseudographite-structured hard carbon with stabilized performance for high energy K-ion storage. Journal of Power Sources, 2019, 444, 227310.	7.8	50
896	Top-down bottom-up graphene synthesis. Nano Futures, 2019, 3, 042003.	2.2	39
897	Nacre-inspired copper nanowires/graphene oxide films with excellent thermal conductivity, flame retardancy and electrical performance. Journal of Materials Science: Materials in Electronics, 2019, 30, 19928-19939.	2.2	7
898	Free-standing Sandwich Structure MoO3-rGO Composite Film Electrode for Flexible Supercapacitors. MRS Advances, 2019, 4, 2299-2305.	0.9	1
899	Regulating the Behavior of Human Gingival Fibroblasts by sp <sup>2</sup> Domains in Reduced Graphene Oxide. ACS Biomaterials Science and Engineering, 2019, 5, 6414-6424.	5.2	8
900	Graphene oxide guiding the constructing of nickel-iron layered double hydroxides arrays as a desirable bifunctional electrocatalyst for HER and OER. International Journal of Hydrogen Energy, 2019, 44, 29876-29888.	7.1	54

#	Article	IF	CITATIONS
901	One-step synthesis of reduced graphene oxide and magnetic graphene: characterization and its application in electrochemical detection of lead (II) ions. Journal of Materials Science: Materials in Electronics, 2019, 30, 20229-20242.	2.2	10
902	Inexpensive Graphene Oxide Heaters Lithographed by Laser. Nanomaterials, 2019, 9, 1184.	4.1	16
903	Bio-inspired modification of superhydrophilic iPP membrane based on polydopamine and graphene oxide for highly antifouling performance and reusability. Materials Letters, 2019, 255, 126573.	2.6	17
904	Synthesis and Characterization of Reduced Graphene Oxide (rGO) Started from Graphene Oxide (GO) Using the Tour Method with Different Parameters. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	152
905	Pseudo-capacitive Behavior of Graphene Oxide Paper in AlCl3 and 1-ethyl-3-methylimidazalium Chloride (Molar Ratio of 1.3:1) Solution and its Application for Aluminium Ion Batteries. International Journal of Electrochemical Science, 2019, , 9610-9621.	1.3	1
906	Building a Bridge from Papermaking to Solar Fuels. Angewandte Chemie, 2019, 131, 14992-14996.	2.0	4
907	Synthesis of Free-Standing Flexible rGO/MWCNT Films for Symmetric Supercapacitor Application. Nanoscale Research Letters, 2019, 14, 266.	5.7	45
908	Mosquito bite prevention through graphene barrier layers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18304-18309.	7.1	14
909	Reduced graphene oxide as an excellent platform to produce a stable BrÃ,nsted acid catalyst for biodiesel production. Fuel, 2019, 256, 115793.	6.4	34
910	Simultaneous electrochemical-assisted exfoliation and in situ surface functionalization towards large-scale production of few-layer graphene. FlatChem, 2019, 18, 100132.	5.6	19
911	Graphene-based polymer composite films with enhanced mechanical properties and ultra-high in-plane thermal conductivity. Composites Science and Technology, 2019, 184, 107797.	7.8	67
912	In situ reduction of graphene oxide by different plant extracts as a green catalyst for selective hydrogenation of nitroarenes. International Journal of Hydrogen Energy, 2019, 44, 26322-26337.	7.1	20
913	Hybrid material for open abdomen: saving the wound from intestinal fistula. Journal of Materials Science: Materials in Medicine, 2019, 30, 109.	3.6	3
914	Preparation of sulfur-doped graphite by solid-state microwave method: The effect of reaction conditions on the sulfur-doping process. Chemical Physics Letters, 2019, 731, 136615.	2.6	3
915	Graphene-based planar on-chip micro-supercapacitors with winding interdigitated microelectrodes. Ferroelectrics, 2019, 547, 129-136.	0.6	4
916	Porous Reduced Graphene Oxide/Single-Walled Carbon Nanotube Film as Freestanding and Flexible Electrode Materials for Electrosorption of Organic Dye. ACS Applied Nano Materials, 2019, 2, 6258-6267.	5.0	23
917	Reduced graphene oxide and zirconium carbide co-modified melamine sponge/paraffin wax composites as new form-stable phase change materials for photothermal energy conversion and storage. Applied Thermal Engineering, 2019, 163, 114412.	6.0	84
918	Bio-interfactants as double-sided tapes for graphene oxide. Nanoscale, 2019, 11, 4236-4247.	5.6	5

#	Article	IF	CITATIONS
919	Grapheneâ€Based Bimorph Actuators with Dualâ€Response and Largeâ€Deformation by a Simple Method. Macromolecular Materials and Engineering, 2019, 304, 1800688.	3.6	22
920	Synthesis and applications of three-dimensional graphene network structures. Materials Today Nano, 2019, 5, 100027.	4.6	60
921	Strong and Highly Conductive Graphene Composite Film Based on the Nanocellulose-Assisted Dispersion of Expanded Graphite and Incorporation of Poly(ethylene oxide). ACS Sustainable Chemistry and Engineering, 2019, 7, 5045-5056.	6.7	43
922	Graphene aerogel derived by purification-free graphite oxide for high performance supercapacitor electrodes. Carbon, 2019, 146, 147-154.	10.3	43
923	Binder-free graphene oxide doughs. Nature Communications, 2019, 10, 422.	12.8	44
924	Differential Cytotoxicity of Different Sizes of Graphene Oxide Nanoparticles in Leydig (TM3) and Sertoli (TM4) Cells. Nanomaterials, 2019, 9, 139.	4.1	59
925	Facile synthesis of an air-stable 3D reduced graphene oxide-phosphorene composite by sonication. Applied Surface Science, 2019, 476, 972-981.	6.1	10
926	Assembly of 2D graphene sheets and 3D carbon nanospheres into flexible composite electrodes for high-performance supercapacitors. Composites Communications, 2019, 12, 117-122.	6.3	22
927	Wettability of graphene: from influencing factors and reversible conversions to potential applications. Nanoscale Horizons, 2019, 4, 339-364.	8.0	103
928	Efficient room-temperature production of high-quality graphene by introducing removable oxygen functional groups to the precursor. Chemical Science, 2019, 10, 1244-1253.	7.4	51
929	A MoS <sub>2</sub> nanosheet–reduced graphene oxide hybrid: an efficient electrocatalyst for electrocatalytic N <sub>2</sub> reduction to NH <sub>3</sub> under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 2524-2528.	10.3	145
930	Graphene Papers with Tailored Pore Structures Fabricated from Crumpled Graphene Spheres. Nanomaterials, 2019, 9, 815.	4.1	13
931	Hydrophilic and Insoluble Electrospun Cellulose Acetate Fiber-Based Biosensing Platform for 25-Hydroxy Vitamin-D <sub>3</sub> Detection. ACS Applied Polymer Materials, 2019, 1, 1613-1623.	4.4	40
932	Solution-processable (Pc′)Eu(Pc′)Eu[TP(OH)PP]/rGO bilayer heterojunction organic transistors with exceptional excellent ambipolar performance. Journal of Materials Science: Materials in Electronics, 2019, 30, 12437-12446.	2.2	6
933	Slow spin relaxation of paramagnetic centers in graphene oxide. Carbon, 2019, 152, 98-105.	10.3	24
934	Flexible fiber-shaped supercapacitors with high energy density based on self-twisted graphene fibers. Journal of Power Sources, 2019, 433, 226711.	7.8	35
935	Enhanced deoxygenation efficiency of graphene oxide under solid-state microwave irradiation via chemical pre-reduction. Diamond and Related Materials, 2019, 97, 107445.	3.9	9
936	A bioinspired multi-functional wearable sensor with an integrated light-induced actuator based on an asymmetric graphene composite film. Journal of Materials Chemistry C, 2019, 7, 6879-6888.	5.5	42

#	Article	IF	CITATIONS
937	An investigation on titanium doping in reduced graphene oxide by RF magnetron sputtering for dye-sensitized solar cells. Solar Energy, 2019, 188, 10-18.	6.1	13
938	Bipolar Exfoliation and in Situ Deposition of High-Quality Graphene for Supercapacitor Application. ACS Applied Energy Materials, 2019, 2, 4813-4820.	5.1	34
939	Metal multiple-sulfides with nitrogen doped carbon layer for high performance lithium-sulfur batteries. Journal of Alloys and Compounds, 2019, 798, 531-539.	5.5	7
940	Multifunctional low temperature reduced graphite oxides for high performance supercapacitors and SERS applications. Materials Research Express, 2019, 6, 085527.	1.6	6
941	Facile preparation of 3D graphene-based/polyvinylidene fluoride composite for organic solvents capture in spent fuel reprocessing. Journal of Porous Materials, 2019, 26, 1619-1629.	2.6	7
942	Graphene Fibers: Advancing Applications in Sensor, Energy Storage and Conversion. Chinese Journal of Polymer Science (English Edition), 2019, 37, 535-547.	3.8	17
943	Facile synthesis of the 3D framework Si@N-doped C/Reduced graphene oxide composite by polymer network method for highly stable lithium storage. Journal of Physics and Chemistry of Solids, 2019, 133, 92-99.	4.0	13
944	Ultrastrong Graphene Films via Long-Chain π-Bridging. Matter, 2019, 1, 389-401.	10.0	108
945	Ultrafast Li <sup>+</sup> Diffusion Kinetics of 2D Oxidized Phosphorus for Quasi-Solid-State Bendable Batteries with Exceptional Energy Densities. Chemistry of Materials, 2019, 31, 4113-4123.	6.7	17
946	Free-standing graphene paper for energy application: Progress and future scenarios. Carbon, 2019, 150, 292-310.	10.3	43
947	Nanocellulose incorporated graphene/polypyrrole film with a sandwich-like architecture for preparing flexible supercapacitor electrodes. Electrochimica Acta, 2019, 313, 245-254.	5.2	76
948	A Ternary PEDOT-TiO2-Reduced Graphene Oxide Nanocomposite for Supercapacitor Applications. Macromolecular Research, 2019, 27, 867-875.	2.4	9
949	Large-area superelastic graphene aerogels based on a room-temperature reduction self-assembly strategy for sensing and particulate matter (PM <sub>2.5</sub> and PM <sub>10</sub> ) capture. Nanoscale, 2019, 11, 10372-10380.	5.6	22
950	Biocompatibility Considerations in the Design of Graphene Biomedical Materials. Advanced Materials Interfaces, 2019, 6, 1900229.	3.7	86
951	Hierarchical zinc oxide/reduced graphene oxide composite: Preparation route, mechanism study and lithium ion storage. Journal of Colloid and Interface Science, 2019, 548, 233-243.	9.4	42
952	Formation and reduction of hydrogen-bonded graphene oxide-poly(ethylene oxide) complex fiber. Materials Today Communications, 2019, 19, 425-432.	1.9	8
953	Highly improved performances of LiMn0.7Fe0.3PO4 cathode with in situ electrochemically reduced graphene oxide. Journal of Alloys and Compounds, 2019, 793, 627-634.	5.5	12
954	High-Performance Symmetric Supercapacitor Constructed Using Carbon Cloth Boosted by Engineering Oxygen-Containing Functional Groups. ACS Applied Materials & Interfaces, 2019, 11, 18044-18050.	8.0	110

#	Article	IF	Citations
955	Graphene Oxide Films Obtained by Vacuum Filtration: X-Ray Diffraction Evidence of Crystalline Reorganization. Journal of Nanomaterials, 2019, 2019, 1-12.	2.7	64
956	Core-shell structured Fe3O4@GO@MIL-100(Fe) magnetic nanoparticles as heterogeneous photo-Fenton catalyst for 2,4-dichlorophenol degradation under visible light. Journal of Hazardous Materials, 2019, 371, 677-686.	12.4	121
957	Hybrid graphene oxide decoration and water-based polymers for mild steel surface protection in saline environment. Journal of Industrial and Engineering Chemistry, 2019, 74, 41-54.	5.8	34
958	Redox Processes in Reduced Graphite Oxide Decorated by Carboxyl Functional Groups. Physica Status Solidi (B): Basic Research, 2019, 256, 1800700.	1.5	13
960	Synthesis, properties, and applications of graphene oxide/reduced graphene oxide and their nanocomposites. Nano Materials Science, 2019, 1, 31-47.	8.8	941
961	3D mesoporous reduced graphene oxide with remarkable supercapacitive performance. Carbon, 2019, 148, 354-360.	10.3	24
962	Wearable and Stretchable Triboelectric Nanogenerator Based on Crumpled Nanofibrous Membranes. ACS Applied Materials & Interfaces, 2019, 11, 12452-12459.	8.0	104
963	Designing Carbon/Oxygen Ratios of Graphene Oxide Membranes for Proton Exchange Membrane Fuel Cells. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	18
964	Insights Into Graphene-Based Materials as Counter Electrodes for Dye-Sensitized Solar Cells. , 2019, , 341-396.		2
965	Nacre-like composite films with a conductive interconnected network consisting of graphene oxide, polyvinyl alcohol and single-walled carbon nanotubes. Materials and Design, 2019, 175, 107783.	7.0	18
966	Functional graphene film macroscopic assemblies for flexible supercapacitor application. Journal of Physics: Conference Series, 2019, 1168, 022071.	0.4	1
967	Graphene-Based Hybrid Nanomaterials for Biomedical Applications. , 2019, , 119-141.		13
968	Carbonized polydopamine nanoparticle reinforced graphene films with superior thermal conductivity. Carbon, 2019, 149, 173-180.	10.3	55
969	Sb2O5/Co-containing carbon polyhedra as anode material for high-performance lithium-ion batteries. Chemical Engineering Journal, 2019, 370, 800-809.	12.7	72
970	Using and recycling V2O5 as high performance anode materials for sustainable lithium ion battery. Journal of Power Sources, 2019, 424, 158-164.	7.8	42
971	Ethylene glycol-based solar-thermal fluids dispersed with reduced graphene oxide. RSC Advances, 2019, 9, 10282-10288.	3.6	14
972	Analysis of Chemical Structure of Reduced Graphite Oxide Synthesized in Different Reduction Atmospheres. ChemistrySelect, 2019, 4, 1745-1752.	1.5	1
973	Anisotropic thermal conductivity and electromagnetic interference shielding of epoxy nanocomposites based on magnetic driving reduced graphene oxide@Fe3O4. Composites Science and Technology, 2019, 174, 1-10.	7.8	119

#	Article	IF	CITATIONS
974	High performance hybrid supercapacitor based on doped zucchini-derived carbon dots and graphene. Materials Today Energy, 2019, 12, 198-207.	4.7	67
975	Highly Conductive Graphene Paper with Vertically Aligned Reduced Graphene Oxide Sheets Fabricated by Improved Electrospray Deposition Technique. ACS Applied Materials & Interfaces, 2019, 11, 10810-10817.	8.0	40
976	Highly Stretchable Room-Temperature Self-Healing Conductors Based on Wrinkled Graphene Films for Flexible Electronics. ACS Applied Materials & Interfaces, 2019, 11, 10736-10744.	8.0	62
977	Toxicological Evaluations of Nanocomposites with Special Reference to Cancer Therapy. , 2019, , 1093-1119.		0
978	Stretchable Graphene Pressure Sensors with Shar-Pei-like Hierarchical Wrinkles for Collision-Aware Surgical Robotics. ACS Applied Materials & Interfaces, 2019, 11, 10226-10236.	8.0	98
979	The optimization of effective parameters for electrodeposition of reduced graphene oxide through Taguchi method to evaluate the charge transfer. Measurement: Journal of the International Measurement Confederation, 2019, 137, 683-690.	5.0	7
980	A review of studies using graphenes in energy conversion, energy storage and heat transfer development. Energy Conversion and Management, 2019, 184, 581-599.	9.2	115
981	Progress on Free-Standing Graphene Hybrid: Advantages and Future Scenario. , 0, , .		0
982	Electrochemical Visualization of Defect-induced Density of States at Single Graphene Flake. Journal of the Electrochemical Society, 2019, 166, H819-H824.	2.9	2
983	Understanding the enhanced electrical properties of free-standing graphene paper: the synergistic effect of iodide adsorption into graphene. RSC Advances, 2019, 9, 33781-33788.	3.6	2
984	Few layered graphene/ZnO nanocomposites as electrode of supercapacitor. AIP Conference Proceedings, 2019, , .	0.4	0
985	Room-temperature photodetectors and VOC sensors based on graphene oxide–ZnO nano-heterojunctions. Nanoscale, 2019, 11, 22932-22945.	5.6	51
986	lodine doped composite with biomass carbon dots and reduced graphene oxide: a versatile bifunctional electrode for energy storage and oxygen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 22650-22662.	10.3	33
987	Reduced graphene oxide hydrogels prepared in the presence of phenol for high-performance electrochemical capacitors. New Carbon Materials, 2019, 34, 403-416.	6.1	10
988	Few layered graphene/ZnO nanocomposites as electrode of supercapacitor. AIP Conference Proceedings, 2019, , .	0.4	0
989	Undamaged depositing large-area ZnO quantum dots/RGO films on photoelectrodes for the construction of pure Z-scheme. Chemical Engineering Journal, 2019, 356, 781-790.	12.7	48
990	Effect of ball milling time on graphene nanosheets reinforced Al6063 composite fabricated by pressure infiltration method. Carbon, 2019, 141, 25-39.	10.3	141
991	Electrically Conductive Thin Films Derived from Bulk Graphite and Liquid–Liquid Interface Assembly. Advanced Materials Interfaces, 2019, 6, 1801570.	3.7	11

ARTICLE IF CITATIONS All Fiber Based Electrochemical Capacitor towards Wearable AC Line Filters with Outstanding Rate 992 3.4 11 Capability. ChemElectroChem, 2019, 6, 1450-1457. Electrochemical polymerization of polyaniline-reduced graphene oxide composite coating on 5083 Al alloy: Role of reducéd graphene oxide. Electrochemistry Communications, 2019, 98, 110-114. Voltage-reduced low-defect graphene oxide: a high conductivity, near-zero temperature coefficient of 994 5.6 14 resistance material. Nanoscale, 2019, 11, 3112-3116. 995 Classic Carbon Nanostructures., 2019,, 35-109. Ultra-stable sodium metal-iodine batteries enabled by an in-situ solid electrolyte interphase. Nano 996 16.0 72 Energy, 2019, 57, 692-702. Humidityâ€Driven Mechanical and Electrical Response of Graphene/Cloisite Hybrid Films. Advanced Functional Materials, 2019, 29, 1807744. Highly Transparent Conductive Reduced Graphene Oxide/Silver Nanowires/Silver Grid Electrodes for Low-Voltage Electrochromic Smart Windows. ACS Applied Materials & amp; Interfaces, 2019, 11, 998 8.0 65 1969-1978. Enhanced oxygen evolution reaction activity of NiFe layered double hydroxide on nickel foam-000 7.1 reduced graphene oxide interfaces. International Journal of Hydrogen Energy, 2019, 44, 2656-2663. Fate of adsorbed Pb(II) on graphene oxide under variable redox potential controlled by 1000 12.4 25 electrochemical method. Journal of Hazardous Materials, 2019, 367, 152-159. A Stretchable Strain-Insensitive Temperature Sensor Based on Free-Standing Elastomeric Composite Fibers for On-Body Monitoring of Skin Temperature. ACS Applied Materials & amp; Interfaces, 2019, 11, 8.0 2317-2327. Asymmetric finger-shape metallization in Graphene-on-Si solar cells for enhanced carrier trapping. 1002 9 4.0Materials Science in Semiconductor Processing, 2019, 91, 13-21. A rapid heat pressing strategy to prepare fluffy reduced graphene oxide films with meso/macropores 44 for high-performance supercapacitors. Chemical Engineering Journal, 2019, 361, 1437-1450. Development of a Radial Pulse Monitoring System Based on a Graphene-Coated Fiber. IEEE Sensors 1004 4.7 2 Journal, 2019, 19, 1995-2002. Reduction of graphene oxide thin films using a stepwise thermal annealing assisted by l-ascorbic acid. Diamond and Related Materials, 2019, 92, 242-247. 24 Surface roughness regulation of reduced-graphene oxide/iodine – Based electrodes and their 1006 9.4 16 application in polymer solar cells. Journal of Colloid and Interface Science, 2019, 540, 272-284. Green reduction of graphene oxide and its applications in band gap calculation and antioxidant activity. Green Materials, 2019, 7, 143-155. Effective reduction of graphene oxide via a hybrid microwave heating method by using mildly reduced 1008 6.143 graphene oxide as a susceptor. Applied Surface Science, 2019, 473, 222-229. Scalable modulation of reduced graphene oxide properties via regulating graphite oxide precursors. 1009 5.5 Journal of Alloys and Compounds, 2019, 782, 17-27.

#	Article	IF	CITATIONS
1010	Tuning Charge Storage Properties of Supercapacitive Electrodes Evidenced by In Situ Gravimetric and Viscoelastic Explorations. Analytical Chemistry, 2019, 91, 2885-2893.	6.5	16
1011	Thermally reduced graphene paper with fast Li ion diffusion for stable Li metal anode. Electrochimica Acta, 2019, 294, 413-422.	5.2	28
1012	Nanomanufacturing of graphene nanosheets through nano-hole opening and closing. Materials Today, 2019, 24, 26-32.	14.2	48
1013	Inverted Polymer Solar Cells with a Reduced Graphene Oxide/Poly (3,4-Ethylene) Tj ETQq1 1 0.784314 rgBT /Overl Materials, 2019, 48, 1097-1105.	ock 10 Tf 2.2	50 627 To 7
1014	Electrochemical Strategy for Flexible and Highly Conductive Carbon Films: The Role of 3-Dimensional Graphene/Graphite Aggregates. ACS Applied Materials & Interfaces, 2019, 11, 1239-1246.	8.0	11
1015	Gram‣cale Production of Graphene Powder via a Quasiâ€physical Process and Its Application in Electrode Material for Lithium″on Battery. Advanced Engineering Materials, 2019, 21, 1800891.	3.5	5
1016	Effect of starch reduced graphene oxide on thermal and mechanical properties of phenol formaldehyde resin nanocomposites. Composites Part B: Engineering, 2019, 167, 83-92.	12.0	56
1017	Tailored N-doped porous carbon nanocomposites through MOF self-assembling for Li/Na ion batteries. Journal of Colloid and Interface Science, 2019, 538, 267-276.	9.4	63
1018	Conductive and high anticorrosive rGO-modified copper foil prepared by electrocoagulation and chemical reduction. Ionics, 2019, 25, 2935-2944.	2.4	3
1019	Impact of Nanoparticles on Abiotic Stress Responses in Plants. , 2019, , 305-322.		29
1020	Synthesis and characterization of reduced graphene oxide–V2O5 nanocomposite for enhanced photocatalytic activity under different types of irradiation. Journal of Physics and Chemistry of Solids, 2019, 125, 8-15.	4.0	60
1021	Solution-processed highly adhesive graphene coatings for corrosion inhibition of metals. Nano Research, 2019, 12, 19-23.	10.4	23
1022	Casein phosphopeptide-biofunctionalized graphene oxide nanoplatelets based cellulose green nanocomposites with simultaneous high thermal conductivity and excellent flame retardancy. Chemical Engineering Journal, 2020, 382, 122733.	12.7	39
1023	Understanding the processing-structure-performance relationship of graphene and its variants as anode material for Li-ion batteries: A critical review. Carbon, 2020, 156, 130-165.	10.3	41
1024	Reactivation of Fenton catalytic performance for Fe3O4 catalyst: Optimizing the cyclic performance by low voltage electric field. Applied Surface Science, 2020, 500, 144045.	6.1	14
1025	Hybridization of MOFs and graphene: A new strategy for the synthesis of porous 3D carbon composites for high performing supercapacitors. Electrochimica Acta, 2020, 329, 135104.	5.2	58
1026	Graphene related materials for thermal management. 2D Materials, 2020, 7, 012001.	4.4	161
1027	An overview of graphene oxide supported semiconductors based photocatalysts: Properties, synthesis and photocatalytic applications. Journal of Molecular Liquids, 2020, 297, 111826.	4.9	91

		CITATION REPORT		
#	Article		IF	CITATIONS
1028	DFT study of graphene oxide reduction by a dopamine species. Molecular Physics, 2020	Э, 118, .	1.7	9
1029	Recent advances in graphene based materials as anode materials in sodium-ion batteria Energy Chemistry, 2020, 42, 91-107.	es. Journal of	12.9	94
1030	Dense integration of graphene paper positive electrode materials for aluminum-ion bat 2020, 26, 245-254.	tery. lonics,	2.4	11
1031	Graphene oxide in aqueous and nonaqueous media: Dispersion behaviour and solution Carbon, 2020, 158, 568-579.	chemistry.	10.3	50
1032	Implication of Three Dimensional Framework Architecture of Graphitic Carbon Nanoshe Improving Electrical Conductivity Under Mechanical Deformation. Macromolecular Res 28, 221-227.	ets for earch, 2020,	2.4	4
1033	1-Pyrenemethanol derived nanocrystal reinforced graphene films with high thermal cor flexibility. Nanotechnology, 2020, 31, 065602.	nductivity and	2.6	8
1034	A facile approach for fabricating silica dioxide/reduced graphene oxide coated cotton fa multifunctional properties. Cellulose, 2020, 27, 2927-2938.	abrics with	4.9	24
1035	Physical properties and device applications of graphene oxide. Frontiers of Physics, 202	20, 15, 1.	5.0	108
1036	Electrosynthesis of carbon aerogel-modified AuNPs@quercetin <i>via</i> an environme method for hydrazine (HZ) and hydroxylamine (HA) detection. New Journal of Chemistr 586-595.	entally benign ry, 2020, 44,	2.8	9
1037	Temperature-responsive resistance sensitivity controlled by L-ascorbic acid and silane co-functionalization in flame-retardant GO network for efficient fire early-warning responses Chemical Engineering Journal, 2020, 386, 123894.	onse.	12.7	127
1038	A review on low dimensional carbon desalination and gas separation membrane design Membrane Science, 2020, 598, 117785.	s. Journal of	8.2	64
1039	Multilayer graphene spheres generated from anthracite and semi-coke as anode materi lithium-ion batteries. Fuel Processing Technology, 2020, 198, 106241.	als for	7.2	43
1040	FDTSâ€Modified SiO <sub>2</sub> /rGO Wrinkled Films with a Microâ€Nanoscale Hiera and Antiâ€Icing/Deicing Properties under Condensation Condition. Advanced Materials 7, 1901446.	archical Structure Interfaces, 2020,	3.7	39
1041	Micro-corrugated graphene sheet enabled high-performance all-solid-state film superca Carbon, 2020, 160, 156-163.	pacitor.	10.3	37
1042	A synergistic self-assembled 3D PEDOT:PSS/graphene composite sponge for stretchabl microsupercapacitors. Journal of Materials Chemistry A, 2020, 8, 554-564.	e	10.3	72
1043	Role of electrolyte at the interface and in the dispersion of graphene in organic solvent Materials Science: Materials in Electronics, 2020, 31, 404-413.	s. Journal of	2.2	2
1044	Simultaneously electrochemical exfoliation and functionalization of graphene nanoshe Multifunctional reinforcements in thermal, flameâ€retardant, and mechanical propertie polyacrylonitrile composite fibers. Polymer Composites, 2020, 41, 1561-1573.	ets: 25 of	4.6	9
1045	Ultrastrong and Highly Conductive MXeneâ€Based Films for Highâ€Performance Electr Interference Shielding. Advanced Electronic Materials, 2020, 6, 1901094.	omagnetic	5.1	120

#	Article	IF	CITATIONS
1046	Non-woven fabric electrodes based on graphene-based fibers for areal-energy-dense flexible solid-state supercapacitors. Chemical Engineering Journal, 2020, 392, 123692.	12.7	48
1047	Graphene-Modified Porous NiO/C Composites as Anode Materials for Li-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2020, 20, 2514-2520.	0.9	6
1048	Freeâ€Standing Nanostructured Architecture as a Promising Platform for Highâ€Performance Lithium–Sulfur Batteries. Small Structures, 2020, 1, 2000047.	12.0	48
1049	Three-dimensional porous reduced graphene oxide/PEDOT:PSS aerogel: Facile preparation and high performance for supercapacitor electrodes. Electrochimica Acta, 2020, 364, 137297.	5.2	36
1050	Ultrastrong Carbon Nanotubes/Graphene Papers via Multiple π–π Cross-Linking. ACS Applied Materials & Interfaces, 2020, 12, 47811-47819.	8.0	21
1051	Graphene oxide and its chemical nature: Multi-stage interactions between the oxygen and graphene. Surfaces and Interfaces, 2020, 21, 100763.	3.0	35
1052	Plastic three-dimensional nanocarbon-polyacrylic acid sponges with high volumetric capacitance for Li-ion capacitor. Sustainable Materials and Technologies, 2020, 26, e00223.	3.3	1
1053	Fluorine-free synthesis of reduced graphene oxide modified anatase TiO2 nanoflowers photoanode with highly exposed {0 0 1} facets for high performance dye-sensitized solar cell. Solar Energy, 2020, 211, 1017-1026.	6.1	18
1054	Ultra-high thermal-conductive, reduced graphene oxide welded cellulose nanofibrils network for efficient thermal management. Carbohydrate Polymers, 2020, 250, 116971.	10.2	28
1055	Graphene Films for Flexible EMI Shielding Materials with Cross-Linked Structure via Reaction with Diamine Monomers. Nano, 2020, 15, 2050157.	1.0	1
1056	Controlling hydroxyl content of reduced graphene oxide for superior cathode performance of lithium sulfur batteries. Electrochimica Acta, 2020, 362, 137112.	5.2	17
1057	Galvanic Replacement of Liquid Metal/Reduced Graphene Oxide Frameworks. Advanced Materials Interfaces, 2020, 7, 2000626.	3.7	36
1058	A review on C1s XPS-spectra for some kinds of carbon materials. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 1048-1058.	2.1	544
1059	Facile preparation of reduced graphene oxide wrapped copper oxide thin film solar selective absorbers. Ceramics International, 2020, 46, 27897-27902.	4.8	8
1060	Brunauer–Emmett–Teller (BET) specific surface area analysis of different graphene materials: A comparison to their structural regularity and electrical properties. Solid State Communications, 2020, 320, 114004.	1.9	72
1061	Fiber Composites Made of Low-Dimensional Carbon Materials. , 0, , .		0
1062	Chemical Modification of Graphene. Russian Journal of General Chemistry, 2020, 90, 1921-1943.	0.8	16
1063	Carbon nanomaterials: synthesis, functionalization, and properties. , 2020, , 137-179.		4

#	Article	IF	CITATIONS
1064	Breakthroughs in the Design of Novel Carbon-Based Metal Oxides Nanocomposites for VOCs Gas Sensing. Nanomaterials, 2020, 10, 1485.	4.1	44
1065	The processing and analysis of graphene and the strength enhancement effect of graphene-based filler materials: A review. Materials Today Physics, 2020, 15, 100257.	6.0	37
1066	Surface functional treatment of carbon fiber with ultra wide potential range in neutral electrolyte for high performance supercapacitor. Journal of Electroanalytical Chemistry, 2020, 876, 114478.	3.8	5
1067	Electrochemical synthesis of Na0.25MnO2@ACC cathode and Zn@K-ACC anode for flexible quasi-solid-state zinc-ion battery with superior performance. Journal of Materials Science: Materials in Electronics, 2020, 31, 15943-15953.	2.2	5
1068	Controlled reduction and fabrication of graphene oxide membrane for improved permeance and water purification performance. Journal of Materials Science, 2020, 55, 15130-15139.	3.7	20
1069	Graphene oxide and reduced graphene oxide: Efficient cargo platforms for cancer theranostics. Journal of Drug Delivery Science and Technology, 2020, 60, 101974.	3.0	31
1070	Photolithographic fabrication of high-voltage output integrated all-solid-state planar on-chip micro-supercapacitors. Ferroelectrics, 2020, 563, 87-94.	0.6	5
1071	Layer-by-layer assembly for all-graphene coated conductive fibers toward superior temperature sensitivity and humidity independence. Composites Part B: Engineering, 2020, 200, 108253.	12.0	22
1072	Nanomanufacturing of RGO NT Hybrid Film for Flexible Aqueous Alâ€Ion Batteries. Small, 2020, 16, e2002856.	10.0	28
1073	Binder-free electrophoretic deposition of Sb/rGO on Cu foil for superior electrochemical performance in Li-ion and Na-ion batteries. Electrochimica Acta, 2020, 358, 136948.	5.2	40
1074	Graphene Oxide-Based Membranes for Water Purification Applications: Effect of Plasma Treatment on the Adhesion and Stability of the Synthesized Membranes. Membranes, 2020, 10, 292.	3.0	14
1075	Binder Jetting Fabrication of Highly Flexible and Electrically Conductive Graphene/PVOH Composites. Additive Manufacturing, 2020, 36, 101565.	3.0	15
1076	Bidirectional Core Sandwich Structure of Reduced Graphene Oxide and Spinnable Multiwalled Carbon Nanotubes for Electromagnetic Interference Shielding Effectiveness. ACS Applied Materials & Interfaces, 2020, 12, 46883-46891.	8.0	11
1077	A sandwich-like silicon–carbon composite prepared by surface-polymerization for rapid lithium-ion storage. Nano Energy, 2020, 78, 105341.	16.0	54
1078	3D Graphene Materials: From Understanding to Design and Synthesis Control. Chemical Reviews, 2020, 120, 10336-10453.	47.7	319
1079	Ultrahigh Strength and Modulus Grapheneâ€Based Hybrid Carbons with ABâ€Stacked and Turbostratic Structures. Advanced Functional Materials, 2020, 30, 2005381.	14.9	13
1080	Polyvinylidene Fluoride/Reduced Graphene Oxide Layers on SiO <sub><i>x</i></sub> N <sub><i>y</i></sub> /Poly(ethylene terephthalate) Films as Transparent Coatings for Organic Electronic Devices and Packaging Materials. ACS Applied Nano Materials, 2020, 3, 8972-8981	5.0	9

#	Article	IF	CITATIONS
1082	Sustainable Lightweight Biochar-Based Composites with Electromagnetic Shielding Properties. ACS Omega, 2020, 5, 32490-32497.	3.5	21
1083	RGO-Coated Polyurethane Foam/Segmented Polyurethane Composites as Solid–Solid Phase Change Thermal Interface Material. Polymers, 2020, 12, 3004.	4.5	15
1085	High Volumetric Energy Density Asymmetric Fibrous Supercapacitors with Coaxial Structure Based on Graphene/MnO <sub>2</sub> Hybrid Fibers. ChemElectroChem, 2020, 7, 4641-4648.	3.4	18
1086	A green strategy for the preparation of a honeycomb-like silicon composite with enhanced lithium storage properties. Nanoscale, 2020, 12, 12849-12855.	5.6	7
1087	Tunable wideband slot antennas based on printable graphene inks. Nanoscale, 2020, 12, 10949-10955.	5.6	6
1088	Fabrication of thermally reduced graphene micro-tube and its electronic transport properties. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 122, 114169.	2.7	5
1089	Direct fabrication of graphene oxide fiber by injection spinning for flexible and wearable electronics. Journal of Materials Science, 2020, 55, 12065-12081.	3.7	10
1090	InÂVivo Disintegration and Bioresorption of a Nacre-Inspired Graphene-Silk Film Caused by the Foreign-Body Reaction. IScience, 2020, 23, 101155.	4.1	8
1091	Self-Reinforced Polypropylene/Graphene Composite with Segregated Structures To Achieve Balanced Electrical and Mechanical Properties. Industrial & Engineering Chemistry Research, 2020, 59, 11206-11218.	3.7	25
1092	Comparison of thermally and chemically reduced graphene oxides by thermal analysis and Raman spectroscopy. Journal of Thermal Analysis and Calorimetry, 2020, 142, 331-337.	3.6	44
1093	Visible-Light Degradation of Organic Dye Based on a Heterostructure Photocatalyst. Topics in Catalysis, 2020, 63, 1157-1168.	2.8	3
1094	Origin of optical bandgap fluctuations in graphene oxide. European Physical Journal B, 2020, 93, 1.	1.5	11
1095	Fabrication, structural evolutions and properties of large-area orientation reduced graphene oxide films by self-assembly at the air–water interface and thermal treatment. Materials Letters, 2020, 275, 128158.	2.6	5
1096	Self-Planarization of High-Performance Graphene Liquid Crystalline Fibers by Hydration. ACS Central Science, 2020, 6, 1105-1114.	11.3	16
1097	Microwave exfoliated graphene-based materials for flexible solid-state supercapacitor. Journal of Molecular Structure, 2020, 1220, 128710.	3.6	23
1098	Nonwoven rGO Fiberâ€Aramid Separator for Highâ€5peed Charging and Discharging of Li Metal Anode. Advanced Energy Materials, 2020, 10, 2001479.	19.5	36
1099	Si nanoparticles veiled with ultrathin rGO film reduced directly by precoated Ni template: Fabrication and electrochemical performance. Applied Surface Science, 2020, 528, 146993.	6.1	8
1100	A Flexible and Stretchable Bending Sensor Based on Hydrazine-Reduced Porous Graphene for Human Motion Monitoring. IEEE Sensors Journal, 2020, 20, 12661-12670.	4.7	19

#	Article	IF	CITATIONS
1101	Optical properties of graphene oxide thin film reduced by low-cost diode laser. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	5
1102	Voltammetric Detection of Catechol and Dopamine Based on a Supramolecular Composite Prepared from Multifarene[3,3] and Reduced Graphene Oxide. Electroanalysis, 2020, 32, 1449-1458.	2.9	8
1103	3D graphene aerogel based photocatalysts: Synthesized, properties, and applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 594, 124666.	4.7	24
1104	Facile one-step process synthesized reduced graphene oxide/Mn3O4 nanocomposite for a symmetric supercapacitor. Materials Letters, 2020, 268, 127613.	2.6	34
1105	Electric Spark Induced Instantaneous and Selective Reduction of Graphene Oxide on Textile for Wearable Electronics. ACS Applied Materials & Interfaces, 2020, 12, 15527-15537.	8.0	12
1106	Solutionâ€Processed and Transparent Graphene Oxide/TiO x Gas Barrier via an Interfacial Photocatalytic Reduction. Advanced Materials Interfaces, 2020, 7, 1901318.	3.7	1
1107	Stress Bearing Mechanism of Reduced Graphene Oxide in Silicon-Based Composite Anodes for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 33855-33869.	8.0	23
1108	Vacancy-defect-dipole amplifies the thermoacoustic conversion efficiency of carbon nanoprobes. Nano Research, 2020, 13, 2413-2419.	10.4	7
1109	Development of ultrasensitive mechanical strain sensor made of 2D-assembled graphene monolayers aligned parallel into polysilicon nanocomposites. Sensors and Actuators A: Physical, 2020, 313, 112166.	4.1	29
1110	Continuous graphene fibers prepared by liquid crystal spinning as strain sensors for Monitoring Vital Signs. Materials Today Communications, 2020, 24, 100909.	1.9	16
1111	Tuning the interlayer spacing of graphene laminate films for efficient pore utilization towards compact capacitive energy storage. Nature Energy, 2020, 5, 160-168.	39.5	381
1112	Direct Reduction of Graphene Oxide/Nanofibrillated Cellulose Composite Film and its Electrical Conductivity Research. Scientific Reports, 2020, 10, 3124.	3.3	35
1113	Facile one-step hydrothermal synthesis and room-temperature NO2 sensing application of α-Fe2O3 sensor. Materials Chemistry and Physics, 2020, 246, 122799.	4.0	21
1114	Flexible TPU strain sensors with tunable sensitivity and stretchability by coupling AgNWs with rGO. Journal of Materials Chemistry C, 2020, 8, 4040-4048.	5.5	70
1115	Inhibited corrosion activity of biomimetic graphene-based coating on Mg alloy through a cerium intermediate layer. Carbon, 2020, 161, 577-589.	10.3	23
1116	Novel reduced graphene oxide/ZnBi2O4 hybrid photocatalyst for visible light degradation of 2,4-dichlorophenoxyacetic acid. Environmental Science and Pollution Research, 2020, 27, 11127-11137.	5.3	21
1117	Enhancing Peroxidase Activity of Cytochrome <i>c</i> by Modulating Interfacial Interaction Forces with Graphene Oxide. Langmuir, 2020, 36, 1094-1102.	3.5	9
1118	State of the Art in Alcohol Sensing with 2D Materials. Nano-Micro Letters, 2020, 12, 33.	27.0	41

#	Article	IF	CITATIONS
1119	Review—Non-Enzymatic Hydrogen Peroxide Electrochemical Sensors Based on Reduced Graphene Oxide. Journal of the Electrochemical Society, 2020, 167, 037531.	2.9	97
1120	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
1121	SiC/rGO Core–Shell Nanowire as a Lightweight, Highly Efficient Gigahertz Electromagnetic Wave Absorber. ACS Applied Electronic Materials, 2020, 2, 473-482.	4.3	32
1122	Highly dispersive GO-based supramolecular absorber: Chemical-reduction optimization for impedance matching. Journal of Alloys and Compounds, 2020, 834, 155122.	5.5	12
1123	Influences of synthesis parameters on the physicochemical and electrochemical characteristics of reduced graphene oxide/Pt nanoparticles as hole transporting layer in polymer solar cells. Synthetic Metals, 2020, 263, 116366.	3.9	14
1124	Electrophoretic deposition of antimony/reduced graphite oxide hybrid nanostructure: A stable anode for lithium-ion batteries. Materials Today Communications, 2020, 24, 101189.	1.9	15
1125	Preparation of graphene electrode. , 2020, , 27-57.		1
1126	Reduced graphene oxide with 3D interconnected hollow channel architecture as high-performance anode for Li/Na/K-ion storage. Chemical Engineering Journal, 2020, 394, 124956.	12.7	27
1127	A combination of MnO2-decorated graphene aerogel modified separator and I/N codoped graphene aerogel sulfur host to synergistically promote Li–S battery performance. Electrochimica Acta, 2020, 348, 136173.	5.2	22
1128	Enhanced UV-Vis Photodegradation of Nanocomposite Reduced Graphene Oxide/Ferrite Nanofiber Films Prepared by Laser-Assisted Evaporation. Crystals, 2020, 10, 271.	2.2	3
1129	Atomic layer deposition and electrospinning as membrane surface engineering methods for water treatment: a short review. Environmental Science: Water Research and Technology, 2020, 6, 1765-1785.	2.4	12
1130	Reducing graphene oxide using hydroiodic acid fumes and low temperature annealing for enhanced electrical conductivity. Graphene Technology, 2020, 5, 19-25.	1.9	8
1131	Graphene oxide laminates intercalated with 2D covalent-organic frameworks as a robust nanofiltration membrane. Journal of Materials Chemistry A, 2020, 8, 9713-9725.	10.3	46
1132	A Surface Acoustic Wave Ethanol Sensor Based on Uniform ZnO Nanoparticles-reduced Graphene Oxide Composite Film. IEEE Sensors Journal, 2020, , 1-1.	4.7	8
1133	Controlling Longâ€Distance Photoactuation with Protein Additives. Small, 2020, 16, e2000043.	10.0	17
1134	Nanostructured graphene materials utilization in fuel cells and batteries: A review. Journal of Energy Storage, 2020, 29, 101386.	8.1	50
1135	SnS2-gC3N4/rGO Composite Paper as an Electrode for High-Performance Flexible Symmetric Supercapacitors. Synthetic Metals, 2020, 264, 116390.	3.9	33
1136	Low-cost, highly sensitive and stable pressure sensor based on glass fiber surfacing mat coated with graphene. Functional Materials Letters, 2020, 13, 2051002.	1.2	2

			2
#		IF	CITATIONS
1137	High-Yield Production of Few-Layer Graphene via New-fashioned Strategy Combining Resonance Ball Milling and Hydrothermal Exfoliation. Nanomaterials, 2020, 10, 667.	4.1	10
1138	Multifunctional reduced graphene oxide coating on laminated composites. Materials Today: Proceedings, 2021, 34, 149-155.	1.8	2
1139	Synthesis, characterization and an application of graphene oxide nanopowder: methylene blue adsorption and comparison between experimental data and literature data. Journal of Dispersion Science and Technology, 2021, 42, 771-783.	2.4	12
1140	Study on the physico-chemical properties of reduced graphene oxide with different degrees of reduction temperature. Journal of the Iranian Chemical Society, 2021, 18, 201-211.	2.2	12
1141	Preparation of elastic graphene aerogel and its adsorption of oil. Journal of Porous Materials, 2021, 28, 39-56.	2.6	17
1142	Graphene film for thermal management: A review. Nano Materials Science, 2021, 3, 1-16.	8.8	59
1143	Strategies for reduction of graphene oxide – A comprehensive review. Chemical Engineering Journal, 2021, 405, 127018.	12.7	252
1144	An Al-assisted GO/rGO Janus film: Fabrication and hygroscopic properties. Carbon, 2021, 171, 585-596.	10.3	19
1145	Luminescence and energy storage characteristics of coke-based graphite oxide. Materials Chemistry and Physics, 2021, 257, 123854.	4.0	8
1146	Improving the volumetric specific capacitance of flexible polyaniline electrode: solution casting method and effect of reduced graphene oxide sheets. Science China Materials, 2021, 64, 571-580.	6.3	2
1147	Low temperature chemical treatment of graphene films made by double self-assembly process to improve sheet resistance. Diamond and Related Materials, 2021, 111, 108218.	3.9	4
1148	A new understanding of the microstructure of soot particles: The reduced graphene oxide-like skeleton and its visible-light driven formation of reactive oxygen species. Environmental Pollution, 2021, 270, 116079.	7.5	11
1149	Can graphene and graphene oxide materials revolutionise desalination processes?. Desalination, 2021, 500, 114852.	8.2	27
1150	A Review on Graphene Oxide Two-dimensional Macromolecules: from Single Molecules to Macro-assembly. Chinese Journal of Polymer Science (English Edition), 2021, 39, 267-308.	3.8	29
1151	Transfer of printed electronic structures using graphene oxide and gelatin enables reversible and biocompatible interface with living cells. Materials Science and Engineering C, 2021, 120, 111685.	7.3	3
1152	Grapheneâ€Based Advanced Membrane Applications in Organic Solvent Nanofiltration. Advanced Functional Materials, 2021, 31, 2006949.	14.9	81
1153	Removal and reutilization of metal ions on ZIF-67/GO membrane via synergistic photocatalytic-photothermal route. Applied Catalysis B: Environmental, 2021, 282, 119575.	20.2	71
1154	Efficient and inexpensive preparation of graphene laminated film with ultrahigh thermal conductivity. Carbon, 2021, 171, 639-645.	10.3	36

#	Article	IF	CITATIONS
1155	The electrochemical performance of reduced graphene oxide prepared from different types of natural graphites. RSC Advances, 2021, 11, 4042-4052.	3.6	7
1156	Novel application of electrochemical bipolar exfoliated graphene for highly sensitive disposable label-free cancer biomarker aptasensors. Nanoscale Advances, 2021, 3, 5948-5958.	4.6	7
1157	Controlled synthesis of Mn3O4/RGO nanocomposites with enhanced lithium-storage performance. Journal of Materials Science: Materials in Electronics, 2021, 32, 3543-3555.	2.2	0
1158	Vertically oriented MoS <sub>2</sub> /WS <sub>2</sub> heterostructures on reduced graphene oxide sheets as electrocatalysts for hydrogen evolution reaction. Materials Chemistry Frontiers, 2021, 5, 3396-3403.	5.9	20
1159	Percolation threshold of curved linear objects. Physical Review E, 2021, 103, 012126.	2.1	11
1160	Power generation for wearable systems. Energy and Environmental Science, 2021, 14, 2114-2157.	30.8	178
1161	Graphene preparation and process parameters by pre-intercalation assisted electrochemical exfoliation of graphite. Journal of Solid State Electrochemistry, 2021, 25, 1245-1257.	2.5	4
1162	Ultrahigh Molecular Weight Polyethylene and Graphene Oxide (UHMWPE/GO) Nano-composites for EMI Shielding. , 2021, , 1243-1267.		1
1163	Plasma Assisted Reduction of Graphene Oxide Films. Nanomaterials, 2021, 11, 382.	4.1	9
1164	Artificial Nacre Nanocomposites Based on All-Inorganic Nanoarchitectures with High Mechanical Properties and Dye Separation Performance. Industrial & Engineering Chemistry Research, 2021, 60, 2455-2462.	3.7	2
1165	High-strength scalable graphene sheets by freezing stretch-induced alignment. Nature Materials, 2021, 20, 624-631.	27.5	117
1166	Highly luminescent and electrically conductive hybrid material. Applied Nanoscience (Switzerland), 2022, 12, 665-671.	3.1	4
1167	Reduction of Graphene Oxide Using an Environmentally Friendly Method and Its Application to Energy-Related Materials. Coatings, 2021, 11, 297.	2.6	9
1168	Nanocellulose-Graphene Hybrids: Advanced Functional Materials as Multifunctional Sensing Platform. Nano-Micro Letters, 2021, 13, 94.	27.0	37
1169	Artificial Nacre-based Chitosan/Graphene Oxide-Mg Hydrogel with Significant Mechanical Strength and Shape Memory Effect. Polymer Science - Series A, 2021, 63, 123-132.	1.0	4
1170	Ultrasmall size FeNi Prussian blue analogue on rGO with accurate heteronuclear adsorption sites toward efficient electrochemical nitrogen fixation. International Journal of Hydrogen Energy, 2021, 46, 11731-11739.	7.1	5
1171	Improving the flexibility of graphene nanosheets films by using aramid nanofiber framework. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106265.	7.6	17
1172	Reduction of Electrochemically Exfoliated Graphene Films for High-Performance Electromagnetic Interference Shielding. ACS Applied Materials & amp; Interfaces, 2021, 13, 15827-15836.	8.0	27

#	Article	IF	Citations
1173	Tuning the Oxygen Content of Reduced Graphene Oxide and Effects on Its Properties. ACS Omega, 2021, 6, 6195-6205.	3.5	108
1174	BiVO4 and reduced graphene oxide composite hydrogels for solar-driven steam generation and decontamination of polluted water. Solar Energy Materials and Solar Cells, 2021, 222, 110952.	6.2	50
1175	Liquidâ€Crystal Mediated Assembly of Iodinated Graphene Oxide for Ultraâ€Dense Supercapacitors as Safe Power Source for Internet of Things Data Transmission. Batteries and Supercaps, 2021, 4, 1175-1185.	4.7	3
1176	Effective removal of manganese in graphene oxide via competitive ligands and the properties of reduced graphene oxide hydrogels and films. Diamond and Related Materials, 2021, 114, 108314.	3.9	2
1177	Graphene Oxide Chemistry Management via the Use of KMnO4/K2Cr2O7 Oxidizing Agents. Nanomaterials, 2021, 11, 915.	4.1	8
1178	Longâ€ŧerm evolution of the chemical and structural stability of graphene oxide after storage as solid and as aqueous dispersion. Nano Select, 2021, 2, 2168-2175.	3.7	2
1179	Fabrication of high-conductivity RGO film at a temperature lower than 1500 ºC by electrical current. Journal of Materials Science: Materials in Electronics, 2021, 32, 11727-11736.	2.2	1
1180	Thorny trunk-like structure of reduced graphene oxide/HKUST-1 MOF for enhanced EMI shielding capability. Ceramics International, 2021, 47, 10027-10034.	4.8	13
1181	Cold RF oxygen plasma treatment of graphene oxide films. Journal of Materials Science: Materials in Electronics, 2021, 32, 15718-15731.	2.2	7
1182	Graphene family for hydrogen peroxide production in electrochemical system. Science of the Total Environment, 2021, 769, 144491.	8.0	14
1183	Bilayer and three dimensional conductive network composed by SnCl2 reduced rGO with CNTs and GO applied in transparent conductive films. Scientific Reports, 2021, 11, 9891.	3.3	5
1184	Development of livestock poultry waste based Ni-Co/S green nanocomposite catalysts: a facile one-pot in situ solvothermal method for alkaline methanol oxidation and super capacitor applications. Ionics, 2021, 27, 3587-3603.	2.4	7
1185	Low Surface Roughness Graphene Oxide Film Reduced with Aluminum Film Deposited by Magnetron Sputtering. Nanomaterials, 2021, 11, 1428.	4.1	4
1186	Top-down synthesis of graphene: A comprehensive review. FlatChem, 2021, 27, 100224.	5.6	143
1187	A Bifunctional-Modulated Conformal Li/Mn-Rich Layered Cathode for Fast-Charging, High Volumetric Density and Durable Li-Ion Full Cells. Nano-Micro Letters, 2021, 13, 118.	27.0	17
1188	Highly electroconductive lightweight graphene fibers with high current-carrying capacity fabricated via sequential continuous electrothermal annealing. Chemical Engineering Journal, 2021, 414, 128803.	12.7	9
1189	Industryâ€ <b>6</b> cale and Environmentally Stable Ti <sub>3</sub> C <sub>2</sub> T <i><sub>x</sub></i> MXene Based Film for Flexible Energy Storage Devices. Advanced Functional Materials, 2021, 31, 2103960.	14.9	71
1190	High-strength reduced graphene oxide paper prepared by a simple and efficient method. Journal of Materials Science, 2021, 56, 14084-14095.	3.7	4

#	Article	IF	CITATIONS
1191	Ultrasensitive Immunosensor Based on Langmuir–Blodgett Deposited Ordered Graphene Assemblies for Dengue Detection. Langmuir, 2021, 37, 8705-8713.	3.5	7
1192	2D nanomaterials in 3D/4D-printed biomedical devices. Journal of Materials Research, 2021, 36, 4024-4050.	2.6	16
1193	Effect of characterization probes on the properties of graphene oxide and reduced graphene oxide. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	10
1194	Recent advances and challenges of electrode materials for flexible supercapacitors. Coordination Chemistry Reviews, 2021, 438, 213910.	18.8	204
1195	Hollow Graphene Fibers with Archimedean-Type Spirals for Flexible and Wearable Electronics. ACS Applied Nano Materials, 2021, 4, 6985-6994.	5.0	5
1196	Synergistic effect of anion and cation in oxalic acid for graphene surface engineering and its enhanced pseudocapacitance performance. Journal of Alloys and Compounds, 2021, 868, 159128.	5.5	7
1197	Interactions between Reduced Graphene Oxide with Monomers of (Calcium) Silicate Hydrates: A First-Principles Study. Nanomaterials, 2021, 11, 2248.	4.1	23
1198	Graphene Decorated Fiber for Wearable Strain Sensor with High Sensitivity at Tiny Strain. Advanced Materials Technologies, 2021, 6, 2100421.	5.8	24
1199	Synthesis, characterisation and thermo-physical properties of highly stable graphene oxide-based aqueous nanofluids for potential low-temperature direct absorption solar applications. Scientific Reports, 2021, 11, 16549.	3.3	21
1200	Polyacrylonitrile-derived thermally conductive graphite film via graphene template effect. Carbon, 2021, 180, 197-203.	10.3	28
1201	Ultralong and Millimeter-Thick Graphene Oxide Supercapacitors with High Volumetric Capacitance. ACS Applied Energy Materials, 2021, 4, 8059-8069.	5.1	13
1202	Maximizing the enzyme immobilization of enzymatic glucose biofuel cells through hierarchically structured reduced graphene oxide. International Journal of Energy Research, 2021, 45, 20959-20969.	4.5	15
1203	Graphene Fibers Containing Activated Graphene for High-Performance Solid-State Flexible Supercapacitors. ACS Applied Energy Materials, 2021, 4, 8883-8890.	5.1	18
1204	A Critical Review on Synthesis, Characterization and Multifunctional Applications of Reduced Graphene Oxide (rGO)/Composites. Nano, 2021, 16, .	1.0	9
1205	Nanocellulose-Graphene Derivative Hybrids: Advanced Structure-Based Functionality from Top-down Synthesis to Bottom-up Assembly. ACS Applied Bio Materials, 2021, 4, 7366-7401.	4.6	15
1206	Scalable fabrication of holey graphene nanosheets by electrochemical intercalation and microwave-assisted expansion of graphite. Applied Surface Science, 2021, 560, 150052.	6.1	7
1207	The tripartite role of 2D covalent organic frameworks in graphene-based organic solvent nanofiltration membranes. Matter, 2021, 4, 2953-2969.	10.0	24
1208	Enhanced Conductivity and Flexibility in Reduced Graphene Oxide Paper by Combined Chemical-Thermal Reduction. Journal of Electronic Materials, 2021, 50, 6991.	2.2	2

#	Article	IF	CITATIONS
1209	Porous manganese dioxide nanosheets on modified graphite felt for cathodes in high-capacity flexible Zinc-MnO2 batteries. Vacuum, 2021, 191, 110353.	3.5	10
1210	Solution processable graphene derivative used in a bilayer anode with conductive PEDOT:PSS on the non-fullerene PBDB-T:ITIC based organic solar cells. Solar Energy, 2021, 225, 656-665.	6.1	9
1211	Graphene-Based Films: Fabrication, Interfacial Modification, and Applications. Nanomaterials, 2021, 11, 2539.	4.1	11
1212	Sustainable and green synthesis of carbon nanomaterials: A review. Journal of Environmental Chemical Engineering, 2021, 9, 106118.	6.7	30
1213	Holey graphene interpenetrating networks for boosting high-capacitive Co3O4 electrodes via an electrophoretic deposition process. Ceramics International, 2021, 47, 27210-27216.	4.8	12
1214	Self-powered and plant-wearable hydrogel as LED power supply and sensor for promoting and monitoring plant growth in smart farming. Chemical Engineering Journal, 2021, 422, 129499.	12.7	46
1215	Construction of a 3D thermal transport hybrid via the creation of axial thermal conductive pathways between graphene layers. Materials Letters, 2022, 307, 130949.	2.6	5
1216	Fabrication of multi-nanocavity and multi-reflection interface in rGO for enhanced EMI absorption and reduced EMI reflection. Applied Surface Science, 2021, 562, 150034.	6.1	12
1217	The role of graphene and its derivatives in modifying different phases of geopolymer composites: A review. Construction and Building Materials, 2021, 306, 124774.	7.2	31
1218	Superhydrophobic graphene aerogel beads for adsorption of oil and organic solvents via a convenient in situ sol-gel method. Colloids and Interface Science Communications, 2021, 45, 100518.	4.1	14
1219	Rapid and facile fabrication of conducting monolayer reduced graphene oxide films by methane plasma-assisted reduction. Applied Surface Science, 2021, 569, 151022.	6.1	13
1220	Can reduced graphene oxide look like few-layer pristine graphene?. Diamond and Related Materials, 2021, 120, 108616.	3.9	6
1221	Soluble tetraaminophthalocyanines indium functionalized graphene platforms for rapid and ultra-sensitive determination of rutin in Tartary buckwheat tea. Food Control, 2022, 132, 108550.	5.5	11
1222	Plant Stress Enzymes Nanobiotechnology. , 2021, , 327-348.		8
1224	Graphene Oxide: Synthesis and Characterization. Advanced Structured Materials, 2017, , 1-28.	0.5	3
1225	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
1226	Graphene Functionalization and Nanopolymers. Carbon Nanostructures, 2019, , 157-178.	0.1	3
1227	Synthetic routes of the reduced graphene oxide. Chemical Papers, 2020, 74, 3767-3783.	2.2	56

#	Article	IF	CITATIONS
1228	Strong and tough graphene papers constructed with pyrene-containing small molecules via Ï€-Ï€/H-bonding synergistic interactions. Science China Materials, 2021, 64, 1206-1218.	6.3	5
1229	Large-scale preparation of graphene by Red-Al reduction under high gravity technology for supercapacitor application. Chemical Engineering and Processing: Process Intensification, 2020, 149, 107839.	3.6	6
1230	Effect of surface modified reduced graphene oxide nanoparticles on cerebellar granule neurons. Journal of Drug Delivery Science and Technology, 2020, 58, 101706.	3.0	2
1231	Recent progresses in graphene-based (photo)catalysts for reduction of nitro compounds. Molecular Catalysis, 2020, 484, 110758.	2.0	50
1232	Superhydrophobic mGO/PDMS hybrid coating on polyester fabric for oil/water separation. Progress in Organic Coatings, 2018, 115, 172-180.	3.9	56
1233	Recent Advances in Gas and Humidity Sensors Based on 3D Structured and Porous Graphene and Its Derivatives. , 2020, 2, 1381-1411.		50
1234	Reduced graphene oxide functionalized stretchable and multicolor electrothermal chromatic fibers. Journal of Materials Chemistry C, 2017, 5, 11448-11453.	5.5	41
1235	Stability study of iodinated reduced graphene oxide and its application in self-assembled Al/Bi <sub>2</sub> O <sub>3</sub> nanothermite composites. Nano Futures, 2020, 4, 045002.	2.2	5
1236	Air-stable alucone thin films deposited by molecular layer deposition using a 4-mercaptophenol organic reactant. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 022411.	2.1	9
1237	Multilayer Engineering of Polyaniline and Reduced Graphene Oxide Thin Films on a Plastic Substrate for Flexible Optoelectronic Applications Using NIR. Russian Journal of Applied Chemistry, 2020, 93, 1561-1570.	0.5	6
1238	Synthesis of reduced graphene oxide paper for EMI shielding by a multi-step process. Functional Materials Letters, 2020, 13, 2051024.	1.2	10
1240	Wearable Graphene-based Fiber Sensor for Motion Monitoring. DEStech Transactions on Environment Energy and Earth Science, 2018, , .	0.0	1
1241	A Facile and Green Synthesis of a MoO2-Reduced Graphene Oxide Aerogel for Energy Storage Devices. Materials, 2020, 13, 594.	2.9	20
1242	Flexible and Transparent Plastic Electrodes Composed of Reduced Graphene Oxide/Polyaniline Films for Supercapacitor Application. Bulletin of the Korean Chemical Society, 2014, 35, 1799-1805.	1.9	17
1243	Carbon nanomaterials in organic photovoltaic cells. Carbon Letters, 2011, 12, 194-206.	5.9	8
1244	Mechanical and Thermal Properties of Graphene over Composite Materials: A Technical Review. Journal of Casting & Materials Engineering, 2019, 3, 19.	0.1	3
1245	Synthesis Methods for Carbon-Based Materials. Indian Institute of Metals Series, 2021, , 367-420.	0.3	0
1246	Controlling Graphene Wrinkles through the Phase Transition of a Polymer with a Low Critical Solution Temperature. Macromolecular Rapid Communications, 2021, 42, e2100489.	3.9	2

#	Article	IF	CITATIONS
1247	Surface Modification of Carbon Nanofibers to Improve Their Biocompatibility in Contact with Osteoblast and Chondrocytes Cell Lines. Materials, 2021, 14, 6370.	2.9	6
1248	A Wearable Patch Based on Flexible Porous Reduced Graphene Oxide Paper Sensor for Realâ€Time and Continuous Ultraviolet Radiation Monitoring. Advanced Materials Technologies, 2022, 7, 2100709.	5.8	4
1249	Metal Nanoparticles and Carbon-Based Nanomaterials for Improved Performances of Electrochemical (Bio)Sensors with Biomedical Applications. Materials, 2021, 14, 6319.	2.9	60
1250	Ultralight NiCo@rGO aerogel microspheres with magnetic response for oil/water separation. Chemical Engineering Journal, 2022, 430, 132894.	12.7	25
1251	Nano-carbon Conductive Filmsâ $\in$ "Fabrication, Processing and Devices. , 2013, , .		0
1252	Ultratough Artificial Nacre Based on Conjugated Cross-linked Graphene Oxide. Angewandte Chemie, 2013, , n/a-n/a.	2.0	0
1254	Design Challenges and Considerations for Nanomedical Electronic Entities and Infrastructure. , 2013, , 207-258.		0
1257	A Wearable Motion Monitoring Fiber Sensor Based on Graphene. , 2017, , .		0
1258	A Review of Surface Engineering of Graphene for Electrochemical Sensing Applications. International Journal of Engineering Technology and Sciences, 2018, 4, 1-31.	0.4	5
1259	Optimized Hybrid Mn3O4 Nanofiber/rGO Paper for High Performance Flexible ASCs. Springer Theses, 2018, , 75-90.	0.1	0
1260	Application of Reduced Graphene Oxide (rGO) for Stability of Perovskite Solar Cells. Carbon Nanostructures, 2019, , 203-229.	0.1	0
1261	VISIBLE-LIGHT DEGRADATION OF INDIGO CARMINE USING A NOVEL MIXED METAL OXIDES/REDUCED GRAPHENE OXIDE HYBRID CATALYSTS. Science and Technology, 2019, 57, 572.	0.2	0
1262	Graphene: Preparation and Applications. RSC Smart Materials, 2020, , 100-130.	0.1	0
1263	Improving the Electrical Conductivity of Reduced Graphene Oxide Transparent Electrodes for Photovoltaics. , 2020, , .		3
1264	PREPARATION AND ELECTROCHEMICAL BEHAVIOR OF THE ACTIVATED CARBON FROM POMEGRANATE PEELS AS ENERGY-STORAGE MATERIALS. Al-Azhar Bulletin of Science, 2020, 31, 1-9.	0.1	0
1265	First report on graphene oxide free, ultrafast fabrication of reduced graphene oxide on paper via visible light laser irradiation. Diamond and Related Materials, 2021, 120, 108680.	3.9	6
1266	Fibrous and flexible electrodes comprising hierarchical nanostructure graphene for supercapacitors. Micro and Nano Letters, 2020, 15, 992-996.	1.3	3
1267	Syntheses Approach of 2-D Oxide Family of Graphene for Supercapacitor Application (A-Review). Oriental Journal of Chemistry, 2020, 36, 1016-1025.	0.3	0

#	Article	IF	CITATIONS
1268	Graphene Oxide: Structure, Properties, Synthesis, and Reduction (A Review). Russian Journal of Inorganic Chemistry, 2020, 65, 1965-1976.	1.3	23
1269	Controlled Reduction of Graphene Oxide Using Sulfuric Acid. Materials, 2021, 14, 59.	2.9	11
1270	Ultra-High Molecular Weight Polyethylene and Graphene Oxide (UHMWPE/GO) Nano Composites for EMI Shielding. , 2021, , 1-26.		0
1271	Effect of low-dose irradiation on the properties of GO and GO membrane. Radiation Physics and Chemistry, 2022, 191, 109864.	2.8	3
1272	Optimization of Reducing Agents for Selective Bandgap Manipulation in Visible Region of Graphene Oxide and Its Work Function Estimation. Materials Performance and Characterization, 2020, 9, 20190177.	0.3	2
1273	Geotrichum candidum acetophenone reductase immobilization on reduced graphene oxide: A promising biocatalyst for green asymmetric reduction of ketones. Biochemical Engineering Journal, 2022, 177, 108263.	3.6	10
1274	Integrated solid-state wearable sweat sensor system for sodium and potassium ion concentration detection. Sensor Review, 2022, 42, 76-88.	1.8	7
1275	Roadblocks faced by graphene in replacing graphite in large-scale applications. Oxford Open Materials Science, 2020, 1, .	1.8	2
1276	Manipulating the assembly of the CNC/RGO composite film for superior electromagnetic interference shielding properties. Journal of Materials Chemistry A, 2021, 9, 26999-27009.	10.3	27
1277	Flexible electronics based on 2D transition metal dichalcogenides. Journal of Materials Chemistry A, 2021, 10, 89-121.	10.3	66
1278	Phenomenological description of the thermal reduction kinetics in graphene oxide films. Materials Chemistry and Physics, 2022, 277, 125477.	4.0	7
1279	Bio-inspired water resistant and fast multi-responsive Janus actuator assembled by cellulose nanopaper and graphene with lignin adhesion. Chemical Engineering Journal, 2022, 433, 133672.	12.7	29
1280	Improved Thermal Properties of Three-Dimensional Graphene Network Filled Polymer Composites. Journal of Electronic Materials, 2022, 51, 420-425.	2.2	6
1281	Fabrication of Janus GO/rGO humidity actuator by one-step electrochemical reduction route. Sensors and Actuators B: Chemical, 2022, 354, 131198.	7.8	11
1282	Sensitive electrochemical detection of endocrine disruptor bisphenol A (BPA) in milk based on iodine-doped graphene. Microchemical Journal, 2022, 173, 107047.	4.5	17
1283	Polymers and Graphene-Based Materials as Barrier Coatings. Advances in Chemical and Materials Engineering Book Series, 2022, , 129-151.	0.3	1
1284	Elastomeric Foldable and High-Temperature Endurance Porous Graphene Films with Superior Electromagnetic Interference Shielding Performance. Industrial & Engineering Chemistry Research, 2022, 61, 1122-1132.	3.7	10
1285	Functionalisation of graphene as a tool for developing nanomaterials with predefined properties. Journal of Molecular Liquids, 2022, 348, 118368.	4.9	12

ARTICLE IF CITATIONS Recent developments in natural rubber nanocomposites containing graphene derivatives and its 1286 5.2 21 hybrids. Industrial Crops and Products, 2022, 177, 114529. Robust reduced graphene oxide composite membranes for enhanced anti-wetting property in membrane 8.2 distillation. Desalination, 2022, 526, 115549. Pillared carbon@tungsten decorated reduced graphene oxide film for pressure sensors with 1288 10.3 31 ultra-wide operation range in motion monitoring. Carbon, 2022, 189, 430-442. The smallest anions, induced porosity and graphene interfaces in C12A7:e<sup>â^'</sup>electrides: a paradigm shift in electromagnetic absorbers and shielding materials. Journal of Materials Chemistry 1289 C, 2022, 10, 969-982. Electrochemically reduced graphene oxide: Preparation, composites, and applications. Carbon, 2022, 1290 10.3 44 191, 301-332. Resistance matching materials nanoarchitectonics for better performances in water evaporation-driven generators. Nanotechnology, 2022, 33, 195402. 1291 2.6 Nanoscale Heterostructured Materials Based on Metal Oxides for a Chemiresistive Gas Sensor. ACS 1292 4.3 37 Applied Electronic Materials, 2022, 4, 59-86. Detergent-free micelle-assisted synthesis of carbon-containing hexagonal CuS nanostructures for 1203 5.2 24 efficient supercapacitor electrode materials. Electrochimica Acta, 2022, 407, 139918. Reduced graphene oxide/cellulose nanocrystal composite films with high specific capacitance and 1294 7.5 27 tensile strength. International Journal of Biological Macromolecules, 2022, 200, 574-582. Harmonizing Graphene Laminate Spacing and Zincâ€Ion Solvated Structure toward Efficient Compact 1295 14.9 Capacitive Charge Storage. Advanced Functional Materials, 2022, 32, . In-situ synthesis of F-doped FeOOH nanorods on graphene as anode materials for high lithium storage. 1296 5.510 Journal of Alloys and Compounds, 2022, 905, 164142. Enhanced in tunning of photochemical and electrochemical responses of inorganic metal oxide nanoparticles via rCO frameworks (MO/rCO): A comprehensive review. Materials Science and 1297 3.5 Engineering B: Solid-State Materials for Advanced Technology, 2022, 278, 115632. Graphene-Based Nanomaterials as Drug Delivery Carriers. Advances in Experimental Medicine and 1298 1.6 8 Biology, 2022, 1351, 109-124. Reduced Graphene Oxide Films for Reducing Hotspot Temperatures of Electronic Devices. SSRN 1299 0.4 Electronic Journal, 0, , . Graphene and Its Nanocomposites Derivatives: Synthesis, Properties, and Their Applications in Water 1300 0.6 5 Treatment, Gas Sensor, and Solar Cell Fields. Engineering Materials, 2022, , 95-128. Enhancing H<sub>2</sub>O<sub>2</sub>and glucose double detection by surface microstructure regulation of Brussels sprout-like Ni–Co(OH)<sub>2</sub>/rGO/carbon cloth composites. Journal of Materials Chemistry C, 2022, 10, 7227-7240. Molecular-Scale Manipulation of Layer Sequence in Heteroassembled Nanosheet Films toward Oxygen 1303 14.6 29 Evolution Electrocatalysts. ACS Nano, 2022, 16, 4028-4040. Langmuir–Blodgett Graphene-Based Films for Algal Biophotovoltaic Fuel Cells. Nanomaterials, 2022, 1304 4.1 12, 840.
ARTICLE IF CITATIONS EMI Shielding Performance of Reduced Graphene Oxide/PES-C Composite Film with Sandwich 1305 0.4 0 Structure. Journal of Physics: Conference Series, 2022, 2229, 012007. Polymer Composites with Graphene and Its Derivatives as Functional Materials of the Future. Polymer 1.7 Sciénce - Series C, 2022, 64, 40-61. Enhanced room-temperature magnetoresistance of hybrid graphene nanosheets produced by a 1307 3.7 3 laser-assisted process. Journal of Materials Science, 2022, 57, 5885-5893. Recent Advances in Enzyme Immobilization Utilizing Nanotechnology for Biocatalysis. Organic Process Research and Development, 2022, 26, 1857-1877. Synthesis of Three-Dimensional Reduced-Graphene Oxide from Graphene Oxide. Journal of 1309 2.7 32 Nanomaterials, 2022, 2022, 1-18. Immobilization of Gold–Aryl Nanoparticles Over Graphene Oxide Platforms: Experimental and 3.3 Molecular Dynamics Calculations Study. Journal of Cluster Science, 2023, 34, 577-586. A comprehensive review on the thermal, electrical, and mechanical properties of graphene-based 1311 21.1 54 multi-functional epoxy composites. Advanced Composites and Hybrid Materials, 2022, 5, 547-605. An electroactive hybrid biointerface for enhancing neuronal differentiation and axonal outgrowth 5.5 on bio-subretinal chip. Materials Today Bio, 2022, 14, 100253. Low temperature operated highly sensitive, selective and stable NO2 gas sensors using N-doped 1313 4.8 18 SnO2-rGO nanohybrids. Ceramics International, 2022, 48, 19978-19989. Selfâ€Assembly of Adjustable Micropatterned Graphene Oxide and Reduced Graphene Oxide on Porous 1314 Polymeric Surfaces. Advanced Materials Interfaces, 0, , 2102429. Tailoring the physicochemical and geometric properties of two-dimensional graphene membranes for 1315 8.2 14 aqueous separation. Desalination, 2022, 530, 115621. Preparation of graphene-starch composite film and its application in sensor materials. International Journal of Biological Macromolecules, 2022, 207, 365-373. An ultrastrong bioinspired soy protein isolate-based nanocomposite with graphene oxide 1317 12.0 7 intercalation. Composites Part B: Engineering, 2022, 236, 109805. An overview on chemical processes for synthesis of graphene from waste carbon resources. Carbon Letters, 2022, 32, 653-669. Tough, Strong, and Conductive Graphene Fibers by Optimizing Surface Chemistry of Graphene Oxide 1319 14.9 35 Precursor. Advanced Functional Materials, 2022, 32, . MXene Enhanced the Electromechanical Performance of a Nafion-Based Actuator. Materials, 2022, 15, 2833. Fabrication of 3D Porous Graphene@SnO2 Aerogel via In Situ Gamma Ray Irradiation Induced 1324 0.6 2 Self-Assembly. Nanobiotechnology Reports, 2022, 17, 59-63. The formation of uniform graphene-polyaniline hybrids using a completely miscible cosolvent that 6.1 have an excellent electrochemical performance. New Carbon Materials, 2022, 37, 381-390.

CITATION REPORT

#	Article	IF	CITATIONS
1326	Laserâ€Assisted Rapid Fabrication of Largeâ€Scale Graphene Oxide Transparent Conductors. Advanced Materials Interfaces, 2022, 9, .	3.7	6
1327	Synthesis of Pure Thiophene–Sulfur-Doped Graphene for an Oxygen Reduction Reaction with High Performance. Journal of Physical Chemistry Letters, 2022, 13, 4350-4356.	4.6	5
1328	Current progression in graphene-based membranes for low temperature fuel cells. International Journal of Hydrogen Energy, 2024, 52, 800-842.	7.1	13
1329	Realizing Spontaneously Regular Stacking of Pristine Graphene Oxide by a Chemical-Structure-Engineering Strategy for Mechanically Strong Macroscopic Films. ACS Nano, 2022, 16, 8869-8880.	14.6	25
1330	Vitamin C aqueous solution assisted in-situ reduction of graphene oxide in flexible thermoplastic polyurethane. Composites Science and Technology, 2022, 226, 109533.	7.8	3
1333	Dual Regulation Strategy to Enhance the Electrochemical Performance of Rich Sulfur Vacancies Nico2s4 Integrate Electrode Material for Supercapacitors. SSRN Electronic Journal, 0, , .	0.4	0
1334	Highâ€Quality Monolayer Reduced Graphene Oxide Films via Combined Chemical Reduction and Ethanolâ€Assisted Defect Restoration. Advanced Materials Interfaces, 2022, 9, .	3.7	5
1335	Advanced wearable biosensors for the detection of body fluids and exhaled breath by graphene. Mikrochimica Acta, 2022, 189, .	5.0	35
1336	Ultralight, compressive and superhydrophobic methyltriethoxysilane-modified graphene aerogels for recyclable and selective organic pollutants adsorption from water. Applied Surface Science, 2022, 598, 153694.	6.1	11
1337	Introduction to graphene-based materials and their composites. , 2022, , 1-47.		Ο
1337 1338	Introduction to graphene-based materials and their composites. , 2022, , 1-47. Graphene Oxide (GO) Materials—Applications and Toxicity on Living Organisms and Environment. Journal of Functional Biomaterials, 2022, 13, 77.	4.4	0
1337 1338 1339	Introduction to graphene-based materials and their composites. , 2022, , 1-47.         Graphene Oxide (GO) Materialsâ€"Applications and Toxicity on Living Organisms and Environment.         Journal of Functional Biomaterials, 2022, 13, 77.         Redispersible Reduced Graphene Oxide Prepared in a Gradient Solvent System. Nanomaterials, 2022, 12, 1982.	4.4 4.1	0 57 1
1337 1338 1339 1340	Introduction to graphene-based materials and their composites. , 2022, , 1-47.         Graphene Oxide (GO) Materialsâ€"Applications and Toxicity on Living Organisms and Environment.         Journal of Functional Biomaterials, 2022, 13, 77.         Redispersible Reduced Graphene Oxide Prepared in a Gradient Solvent System. Nanomaterials, 2022, 12, 1982.         Ultrathin Flexible Graphene Film for High-Performance Electromagnetic Interference Shielding via Infrared-Assisted Rapid Thermal Shock Exfoliation. Industrial & amp; Engineering Chemistry Research, 2022, 61, 8782-8791.	4.4 4.1 3.7	0 57 1 3
1337 1338 1339 1340 1341	Introduction to graphene-based materials and their composites., 2022, , 1-47.         Graphene Oxide (GO) Materials—Applications and Toxicity on Living Organisms and Environment.         Journal of Functional Biomaterials, 2022, 13, 77.         Redispersible Reduced Graphene Oxide Prepared in a Gradient Solvent System. Nanomaterials, 2022, 12, 1982.         Ultrathin Flexible Graphene Film for High-Performance Electromagnetic Interference Shielding via Infrared-Assisted Rapid Thermal Shock Exfoliation. Industrial & amp; Engineering Chemistry Research, 2022, 61, 8782-8791.         Sub-Second Joule-Heated RuO <sub>2</sub> -Decorated Nitrogen- and Sulfur-Doped Graphene Fibers for Flexible Fiber-type Supercapacitors. ACS Applied Materials & amp; Interfaces, 2022, 14, 29867-29877.	4.4 4.1 3.7 8.0	0 57 1 3 7
1337 1338 1339 1340 1341	Introduction to graphene-based materials and their composites. , 2022, , 1-47.Graphene Oxide (GO) Materialsâ€" Applications and Toxicity on Living Organisms and Environment. Journal of Functional Biomaterials, 2022, 13, 77.Redispersible Reduced Graphene Oxide Prepared in a Gradient Solvent System. Nanomaterials, 2022, 12, 1982.Ultrathin Flexible Graphene Film for High-Performance Electromagnetic Interference Shielding via Infrared-Assisted Rapid Thermal Shock Exfoliation. Industrial & amp; Engineering Chemistry Research, 2022, 61, 8782-8791.Sub-Second Joule-Heated RuO <sub>2</sub> -Decorated Nitrogen- and Sulfur-Doped Graphene Fibers for Flexible Fiber-type Supercapacitors. ACS Applied Materials & amp; Interfaces, 2022, 14, 29867-29877.Reduced graphene oxide films for reducing hotspot temperatures of electronic devices. International Communications in Heat and Mass Transfer, 2022, 136, 106193.	4.4 4.1 3.7 8.0 5.6	0 57 1 3 7
1337 1338 1339 1340 1341 1342	Introduction to graphene-based materials and their composites. , 2022, , 1-47.Graphene Oxide (GO) Materialsâ€" Applications and Toxicity on Living Organisms and Environment. Journal of Functional Biomaterials, 2022, 13, 77.Redispersible Reduced Graphene Oxide Prepared in a Gradient Solvent System. Nanomaterials, 2022, 12, 1982.Ultrathin Flexible Graphene Film for High-Performance Electromagnetic Interference Shielding via Infrared-Assisted Rapid Thermal Shock Exfoliation. Industrial & amp; Engineering Chemistry Research, 2022, 61, 8782-8791.Sub-Second Joule-Heated RuO <sub>2</sub> -Decorated Nitrogen- and Sulfur-Doped Graphene Fibers for Flexible Fiber-type Supercapacitors. ACS Applied Materials & amp; Interfaces, 2022, 14, 29867-29877.Reduced graphene oxide films for reducing hotspot temperatures of electronic devices. International Communications in Heat and Mass Transfer, 2022, 136, 106193.Green synthesis of highly aligned reduced graphene oxide films with competitive performance assisted by sandwiching restriction. Diamond and Related Materials, 2022, 127, 109166.	4.4 4.1 3.7 8.0 5.6 3.9	0 57 1 3 7 1
<ol> <li>1337</li> <li>1338</li> <li>1339</li> <li>1340</li> <li>1341</li> <li>1342</li> <li>1343</li> <li>1344</li> </ol>	Introduction to graphene-based materials and their composites. , 2022, , 1-47.Graphene Oxide (GO) Materialsâ€"Applications and Toxicity on Living Organisms and Environment. Journal of Functional Biomaterials, 2022, 13, 77.Redispersible Reduced Graphene Oxide Prepared in a Gradient Solvent System. Nanomaterials, 2022, 12, 1982.Ultrathin Flexible Graphene Film for High-Performance Electromagnetic Interference Shielding via Infrared-Assisted Rapid Thermal Shock Exfoliation. Industrial & Engineering Chemistry Research, 2022, 61, 8782-8791.Sub-Second Joule-Heated RuO <sub>2Reduced graphene oxide films for reducing hotspot temperatures of electronic devices. International Communications in Heat and Mass Transfer, 2022, 136, 106193.Green synthesis of highly aligned reduced graphene oxide films with competitive performance assisted by sandwiching restriction. Diamond and Related Materials, 2022, 127, 109166.Fabrication of multilayer film with graphene oxide of different surface charge through electrospray deposition. Applied Surface Science, 2022, 599, 153977.</sub>	4.4 4.1 3.7 8.0 5.6 3.9 6.1	0 57 1 3 7 1 2 13

#	Article	IF	CITATIONS
1346	Improved Dispersibility of Graphene in an Aqueous Solution by Reduced Graphene Oxide Surfactant: Experimental Verification and Density Functional Theory Calculation. Langmuir, 2022, 38, 8222-8231.	3.5	5
1347	Photolithographic Highâ€Conductivity Transparent Conformal rGO/PEDOT:PSS Electrodes for Flexible Skinâ€Like All Solutionâ€Processed Organic Transistors. Advanced Materials Technologies, 2022, 7, .	5.8	3
1348	New insights into the structure and chemical reduction of graphene oxide membranes for use in isotopic water separations. Journal of Membrane Science, 2022, 659, 120785.	8.2	6
1349	Fabrication of Mesh-Patterned Transparent Heater using Large-Sized Sheets of Reduced Graphene Oxide. Journal of Korean Institute of Metals and Materials, 2022, 60, 564-569.	1.0	1
1350	Oxidating Fresh Porous Graphene Networks toward Ultra‣arge Graphene Oxide with Electrical Conductivity. Advanced Functional Materials, 2022, 32, .	14.9	9
1351	Preparation and performance of WO3/rGO modified carbon sensor for enhanced electrochemical detection of triclosan. Electrochimica Acta, 2022, 429, 141010.	5.2	25
1352	Boosting the storage capacity and the rate capability of flexible graphene film via a nondestructive thermo-chemical reduction. Diamond and Related Materials, 2022, 129, 109338.	3.9	2
1353	Understanding the high chemi-catalytic reactivity of graphene quantum dots to rapidly generate reactive oxygen species. Chemical Engineering Science, 2022, 263, 118072.	3.8	2
1354	Nanoarchitectonics of graphene oxide with functionalized cellulose nanocrystals achieving simultaneous dual connections and defect repair through catalytic graphitization for high thermal conductivity. Carbon, 2023, 201, 295-306.	10.3	8
1355	Electrical and dielectric properties of nanoparticles-based polymer composites. , 2022, , 197-218.		0
1356	Green Synthesis of Carbon Nanomaterials. , 2022, , 1-18.		0
1357	Synthesis methods of graphene. , 2022, , 19-42.		0
1358	Enhanced room-temperature reduction of graphene oxide using Al as a supplement in the liquid phase HI. Ceramics International, 2022, 48, 35896-35905.	4.8	1
1359	Sponge‣upported Reduced Graphene Oxides Enable Synergetic Photothermal and Electrothermal Conversion for Water Purification Coupling Hydrogen Peroxide Production. Solar Rrl, 2022, 6, .	5.8	5
1360	Graphene Family Nanomaterials for Stem Cell Neurogenic Differentiation and Peripheral Nerve Regeneration. ACS Applied Bio Materials, 2022, 5, 4741-4759.	4.6	14
1361	Carbon Nanotube-Fastened Graphene Composites with Bubble-Induced Multireflections for Electromagnetic Interference Shielding with Water Repellence. ACS Applied Nano Materials, 2022, 5, 12926-12934.	5.0	2
1362	Electrocatalytic oxidation and amperometric determination of sulfasalazine using bimetal oxide nanoparticles–decorated graphene oxide composite modified glassy carbon electrode at neutral pH. Mikrochimica Acta, 2022, 189, .	5.0	8
1363	Recent major advances and challenges in the emerging graphene-based nanomaterials in electrocatalytic fuel cell technology. Journal of Materials Chemistry C, 2022, 10, 17812-17873.	5.5	3

	CHAHON R	LPORT	
#	ARTICLE	IF	CITATIONS
1364	Functional groups in graphene oxide. Physical Chemistry Chemical Physics, 2022, 24, 26337-26355.	2.8	33
1365	Scalable Assembly of Highâ€Quality Graphene Films via Electrostaticâ€Repulsion Aligning. Advanced Materials, 2022, 34, .	21.0	17
1366	Enhancing selectivity of solar absorber using reduced graphene oxide modified nickel oxide nanocomposite thin films. Solar Energy, 2022, 247, 185-195.	6.1	2
1367	Progress and challenges of graphene and its congeners for biomedical applications. Journal of Molecular Liquids, 2022, 368, 120703.	4.9	12
1368	Green reduction of graphene oxide as a substitute of acidic reducing agents for supercapacitor applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 287, 116128.	3.5	15
1369	Unitarity relation and unitarity bounds for scalars with different sound speeds. Physics-Uspekhi, 0, , .	2.2	ο
1370	The Influence of Lateral Size and Oxidation of Graphene Oxide on Its Chemical Reduction and Electrical Conductivity of Reduced Graphene Oxide. Molecules, 2022, 27, 7840.	3.8	6
1372	Silk fibroin reinforced graphene fibers with outstanding electrical conductivity and mechanical strength. Carbon, 2023, 203, 886-894.	10.3	9
1373	Synthesis techniques and advances in sensing applications of reduced graphene oxide (rGO) Composites: A review. Composites Part A: Applied Science and Manufacturing, 2023, 165, 107373.	7.6	32
1374	Impedance-matched (hydroxylated nano-BN/reduced graphene oxide) @Fe3O4/polyaniline composite for efficient microwave absorption and thermal management. Materials Chemistry and Physics, 2023, 295, 127193.	4.0	9
1375	Rapid and facile fabrication of hierarchically porous graphene aerogel for oil-water separation and piezoresistive sensing applications. Applied Surface Science, 2023, 613, 155982.	6.1	16
1376	Nitrogen-doped meso-macroporous carbon from waste asphalt as high-performance anode materials for alkali-ion batteries. Sustainable Materials and Technologies, 2023, 35, e00535.	3.3	0
1378	Application of HTS in Carbon Materials. Nanostructure Science and Technology, 2023, , 97-143.	0.1	0
1379	A Simple and Low ost Electrochemical Immunosensor for Ultrasensitive Determination of Calreticulin Biomarker in Human Serum. Macromolecular Bioscience, 2023, 23, .	4.1	6
1380	Laser reduction of graphene oxide: tuning local material properties. Physics-Uspekhi, 0, , .	2.2	1
1381	Aramid Nanofibers/Reduced Graphene Oxide Composite Electrodes with High Mechanical Properties. Nanomaterials, 2023, 13, 103.	4.1	1
1382	Dual regulation strategy to enhance the electrochemical performance of rich sulfur vacancies NiCo2S4 integrate electrode material for supercapacitors. Electrochimica Acta, 2023, 441, 141819.	5.2	8
1383	Preparation of high-performance graphene materials by adjusting internal micro-channels using a combined electrospray/electrospinning technique. Journal of Alloys and Compounds, 2023, 940, 168882.	5.5	6

#	Article	IF	CITATIONS
1384	Wearable supercapacitors. , 2023, , 585-596.		1
1385	Highly thermally conductive and flexible reduced graphene oxide films produced using two-step liquid-phase repairing method with hydriodic acid. Journal of Materials Science, 2023, 58, 2209-2221.	3.7	0
1386	Application of graphene in energy storage devices. , 2023, , 135-156.		1
1387	Syngas purification by modified solvents with nanoparticles. , 2023, , 101-130.		1
1388	Green Methods for the Fabrication of Graphene Oxide Membranes: From Graphite to Membranes. Membranes, 2023, 13, 429.	3.0	5
1389	Significance of different dopamine species as reducing agents of graphene oxide: Fundamental aspects. Surface Science, 2023, 732, 122285.	1.9	1
1390	3D-printed GA/PPy aerogel biocathode enables efficient methane production in microbial electrosynthesis. Chemical Engineering Journal, 2023, 459, 141523.	12.7	7
1391	Tunable Interlayer Interactions in Reduced Graphene Oxide Paper. ACS Applied Materials & Interfaces, 2023, 15, 7627-7634.	8.0	4
1392	Graphene in wearable textile sensor devices for healthcare. Textile Progress, 2022, 54, 201-245.	2.0	2
1393	Subnanometric Stacking of Two-Dimensional Nanomaterials: Insights from the Nanotexture Evolution of Dense Reduced Graphene Oxide Membranes. ACS Nano, 2023, 17, 5072-5082.	14.6	7
1394	Recent Progress of Graphene Fiber/Fabric Supercapacitors: From Building Block Architecture, Fiber Assembly, and Fabric Construction to Wearable Applications. Advanced Fiber Materials, 2023, 5, 896-927.	16.1	22
1395	A Flexible Graphene Paper Electrochemical Sensor With Electrodeposited Ag and Ni Nanoparticles for H <sub>2</sub> O <sub>2</sub> Detection. IEEE Sensors Journal, 2023, 23, 7087-7094.	4.7	6
1396	Review—Functionalized Graphene Oxide Membranes as Electrolytes. Journal of the Electrochemical Society, 2023, 170, 033503.	2.9	7
1397	In Situ Fabrication of High Dielectric Constant Composite Films with Good Mechanical and Thermal Properties by Controlled Reduction. Molecules, 2023, 28, 2535.	3.8	8
1398	Rapid Resistive Heating in Graphene/Carbon Nanotube Hybrid Films for De-icing Applications. ACS Applied Nano Materials, 2023, 6, 5155-5167.	5.0	3
1399	Scalable <scp>van der Waals</scp> graphene films for electroâ€optical regulation and thermal camouflage. InformaÄnÃ-Materiály, 2023, 5, .	17.3	7
1400	Superelastic Carbon Aerogels: An Emerging Material for Advanced Thermal Protection in Extreme Environments. Advanced Functional Materials, 2023, 33, .	14.9	10
1401	Recent approach in producing transparent conductive films (TCFs). International Journal of Systems Assurance Engineering and Management, 0, , .	2.4	0

#	Article	IF	CITATIONS
1402	Desorption of chemical species during thermal reduction of graphene oxide films. Surface and Coatings Technology, 2023, 463, 129524.	4.8	1
1403	Ultra-sensitive fan-folded thermally expandable surface reduced graphene oxide strips for fire early warning response. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 669, 131478.	4.7	3
1404	Graphene with KI-modified pore structure and its electrochemical capacitors application. New Carbon Materials, 2023, 38, 317-325.	6.1	1
1405	Realizing Highlyâ€Ordered Laserâ€Reduced Graphene for Highâ€Performance Flexible Microsupercapacitor. Small, 2023, 19, .	10.0	1
1406	Fabrication and structural elucidation of graphene oxide-based nanocomposites (GO-Ag, rGO-Ag) for degradation of methylene blue. Zeitschrift Fur Physikalische Chemie, 2023, 237, 645-662.	2.8	5
1407	The potential of functionalized graphene-based composites for removing heavy metals and organic pollutants. Journal of Water Process Engineering, 2023, 53, 103809.	5.6	19
1408	A comprehensive review of graphene-based aerogels for biomedical applications. The impact of synthesis parameters onto material microstructure and porosity. Archives of Civil and Mechanical Engineering, 2023, 23, .	3.8	3
1409	Enhanced nonlinear conductivity of silicone rubber composites with hybrid graphene and alumina for cable accessory. Polymer Testing, 2023, 124, 108080.	4.8	4
1410	Selective laser carving-induced patterned electrodes for high-performance binder-free and substrate-free all-carbon-based micro-supercapacitors. Carbon, 2023, 213, 118177.	10.3	2
1411	Construction of bifunctional vertical nanochannels in GOM with swift heavy ion irradiation for enhancing the stability and nanofiltration performance. Separation and Purification Technology, 2023, 322, 124271.	7.9	0
1412	Potential Applications of Graphene. Engineering Materials, 2023, , 127-165.	0.6	1
1413	Synthesis of Graphene-like Materials from Acetylene Black, Activated Carbon, and Ketjenblack via Separated Microwave Electric and Magnetic Field Heating. Materials, 2023, 16, 3723.	2.9	0
1414	Nanotechnology: A promising field in enhancing abiotic stress tolerance in plants. , 2023, 2, 100037.		4
1415	Assembling phenyl-modified colloidal silica on graphene oxide towards ethanol redispersible graphene oxide powder. RSC Advances, 2023, 13, 20081-20092.	3.6	0
1416	Evaluation and Optimization of Tour Method for Synthesis of Graphite Oxide with High Specific Surface Area. Journal of Carbon Research, 2023, 9, 65.	2.7	0
1417	Reduction mechanism of graphene oxide including various parameters affecting the C/O ratio. Materials Today Communications, 2023, 36, 106577.	1.9	1
1418	Green Synthesis of Carbon Nanomaterials. , 2023, , 3143-3160.		0
1420	A 3D-printed freestanding graphene aerogel composite photocathode for high-capacity and long-life photo-assisted Li–O <sub>2</sub> batteries. Nanoscale, 2023, 15, 14877-14885.	5.6	2

#	ARTICLE	IF	Citations
1421	Joule heating synthesis of carbon fiber/graphene 3D crosslinked structure for lightning strike protection and electromagnetic interference in aerospace composites. Chemical Engineering Journal, 2023, 474, 145583.	12.7	3
1422	Possible magnetic performances of graphene-oxide and it's composites: A brief review. AIMS Materials Science, 2023, 10, 767-818.	1.4	0
1423	From Forces to Assemblies: van der Waals Forces-Driven Assemblies in Anisotropic Quasi-2D Graphene and Quasi-1D Nanocellulose Heterointerfaces towards Quasi-3D Nanoarchitecture. Nanomaterials, 2023, 13, 2399.	4.1	1
1424	Chemical synthesis of reduced graphene oxide: a review. , 0, 2, .		0
1425	Controllable graphene films with different conductivities for electrochemical energy storage and thermal camouflage. Applied Surface Science, 2024, 642, 158557.	6.1	0
1426	Facile dip-coating assisted preparation of reduced graphene oxide-copper oxide nanocomposite thin films on aluminum substrate for solar selective absorber. Physica B: Condensed Matter, 2023, 669, 415288.	2.7	1
1427	Synergetic surface coating and S-rich vacancy reconstruction NiCo2S4 electrode materials for high cycle stability asymmetric supercapacitor applications. Journal of Energy Storage, 2023, 73, 109062.	8.1	1
1428	Simultaneous introduction of iodine and Fe-Nx into carbon nanospheres for enhanced catalytic activity towards oxygen reduction using a solution plasma process. Electrochemistry Communications, 2023, 156, 107589.	4.7	1
1429	Solvent Effect on the Nanotextural Formation of Reduced Graphene Oxide Membranes. Langmuir, 0, , .	3.5	0
1430	2D Nanomaterials and Their Drug Conjugates for Phototherapy and Magnetic Hyperthermia Therapy of Cancer and Infections. Small, 0, , .	10.0	3
1431	Facile and rapid fabrication of wearable biosensors via femtosecond laser-directed micro-patterning with large-sized reduced graphene oxide for physiological monitoring. Chemical Engineering Journal, 2024, 479, 147819.	12.7	0
1432	Development of novel Ce doped ZnO/graphene based sensor for electrochemical investigation of potassium-competitive acid blocker: Vonoprazan. Materials Science in Semiconductor Processing, 2024, 171, 108039.	4.0	0
1433	Graphene-Based Aerogels for Biomedical Application. Gels, 2023, 9, 967.	4.5	0
1434	Preparation of Fe3O4@GO@MIL-101 nanocomposites and efficient degradation of oxytetracycline hydrochloride by promoting charge separation during the photo-Fenton process. Materials Science in Semiconductor Processing, 2024, 172, 108050.	4.0	1
1435	Reduced Graphene Oxide Coating LiFePO4 Composite Cathodes for Advanced Lithium-Ion Battery Applications. International Journal of Molecular Sciences, 2023, 24, 17549.	4.1	4
1436	A bibliometric analysis on the development trend of graphene-based transparent conductive electrodes (2009–2022). Materials Today Sustainability, 2024, 25, 100650.	4.1	0
1437	Mechanical and Electrical Properties of 3Dâ€Printed Highly Conductive Reduced Graphene Oxide/Polylactic Acid Composite. Advanced Engineering Materials, 2024, 26, .	3.5	0
1438	Intercross-linked aramid nanofibers/graphene hybrid films toward high mechanical strength and electrical conductivity. Journal of Alloys and Compounds, 2024, 976, 173390.	5.5	0

#	Article	IF	CITATIONS
1439	Low-temperature vapor reduction of graphene oxide electrodes for vertical organic field-effect transistors. Journal of Materials Chemistry C, 2023, 12, 66-72.	5.5	0
1440	A self-healing artificial muscle was realized by fitting the electrode membrane with the self-healing actuating membrane with a folded structure. Smart Materials and Structures, 2024, 33, 015029.	3.5	0
1441	Cotton fabric electrodes coated by polydopamine-reduced graphene oxide and polypyrrole for flexible supercapacitors. Journal of Materials Science: Materials in Electronics, 2024, 35, .	2.2	0
1444	2D graphene-based advanced nanoarchitectonics for electrochemical biosensors: Applications in cancer biomarker detection. Biosensors and Bioelectronics, 2024, 250, 116050.	10.1	0
1445	Carbon Nanomaterials for Biomedical Applications: Progress and Outlook. ACS Applied Bio Materials, 2024, 7, 752-777.	4.6	1
1447	Graphene-based Engineered Macrostructures for Water Purification. , 2024, , 183-207.		0
1448	Applications of graphene oxide (GO) in oily wastewater treatment: Recent developments, challenges, and opportunities. Journal of Environmental Management, 2024, 353, 120178.	7.8	0
1449	Nanocarbon-based sheets: Advances in processing methods and applications. Carbon, 2024, 221, 118909.	10.3	0
1450	An energy-saving structural optimization strategy for high-performance multifunctional graphene films. Carbon, 2024, 222, 118932.	10.3	0
1451	Exceptional Viscoelastic Properties in Graphene Oxide Films. ACS Applied Materials & Interfaces, 2024, 16, 11778-11786.	8.0	0
1452	Facile Synthesis of a Graphene Film with Ultrahigh Thermal Conductivity via a Novel Pressure-Swing Hot-Pressing Method. Industrial & Engineering Chemistry Research, 2024, 63, 4442-4450.	3.7	0
1453	Electrophoretic deposition for the interfacial enhancement of BF/PPENK composite: GO vs. Ti3C2Tx MXene. Composites Part A: Applied Science and Manufacturing, 2024, 181, 108115.	7.6	0
1454	Scalable synthesis of high-quality, reduced graphene oxide with a large C/O ratio and its dispersion in a chemically modified polyimide matrix for electromagnetic interference shielding applications. RSC Advances, 2024, 14, 7641-7654.	3.6	0
1456	Electrochemical detection of 17β-estradiol and bisphenol A using graphene oxide and reduced graphene oxide modified electrodes: A review. International Journal of Electrochemical Science, 2024, 19, 100538.	1.3	0
1457	Highly ion-selective graphene-oxide-based membranes for nanofluidic osmotic energy conversion. Carbon, 2024, 224, 119046.	10.3	0
1458	The concentration-dependent effect of NaOH on graphene oxide: Revisited as a reducing agent. Journal of Physics and Chemistry of Solids, 2024, 190, 111978.	4.0	0
1459	Activity and stability of electrochemically reduced graphene oxide films for applications requiring mixed conductivity. Surfaces and Interfaces, 2024, 47, 104233.	3.0	0