

# Graphene Oxide Sheets Chemically Cross-Linked by Poly

Journal of Physical Chemistry C

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The chemistry of graphene oxide. <i>Chemical Society Reviews</i> , 2010, 39, 228-240.	18.7	9,923
2	Functionalized graphene and graphene oxide solution via polyacrylate coating. <i>Nanoscale</i> , 2010, 2, 2777.	2.8	71
3	Photodegradation of organic contamination in wastewaters by bonding TiO <sub>2</sub> /single-walled carbon nanotube composites with enhanced photocatalytic activity. <i>Chemosphere</i> , 2010, 81, 555-561.	4.2	117
4	A Graphene Oxide <sup>™</sup> Streptavidin Complex for Biorecognition “ Towards Affinity Purification. <i>Advanced Functional Materials</i> , 2010, 20, 2857-2865.	7.8	63
5	Graphene and Graphene Oxide: Synthesis, Properties, and Applications. <i>Advanced Materials</i> , 2010, 22, 3906-3924.	11.1	8,959
7	Graphene Oxide: A Convenient Carbocatalyst for Facilitating Oxidation and Hydration Reactions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6813-6816.	7.2	269
8	Improvement of mechanical properties of graphene oxide/poly(allylamine) composites by chemical crosslinking. <i>Carbon</i> , 2010, 48, 3376-3381.	5.4	128
9	Solubilization of Reduced Graphene in Water through Noncovalent Interaction with Dendrimers. <i>Chemistry Letters</i> , 2010, 39, 1160-1161.	0.7	33
10	Systematic Post-assembly Modification of Graphene Oxide Paper with Primary Alkylamines. <i>Chemistry of Materials</i> , 2010, 22, 4153-4157.	3.2	164
11	Graphene oxide porous paper from amine-functionalized poly(glycidyl methacrylate)/graphene oxide core-shell microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 9200.	6.7	149
12	Enhanced Electrochemical Lithium Storage by Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2010, 132, 12556-12558.	6.6	259
13	Recent advance in functionalized graphene/polymer nanocomposites. <i>Journal of Materials Chemistry</i> , 2010, 20, 7906.	6.7	447
14	Click chemistry approach to functionalize two-dimensional macromolecules of graphene oxide nanosheets. <i>Nano-Micro Letters</i> , 2010, 2, 177-183.	14.4	94
15	Self-Assembly of Reduced Graphene Oxide into Three-Dimensional Architecture by Divalent Ion Linkage. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22462-22465.	1.5	225
16	Graphene Oxide <sup>~</sup> Polyelectrolyte Nanomembranes. <i>ACS Nano</i> , 2010, 4, 4667-4676.	7.3	257
17	Unzipped Multiwalled Carbon Nanotubes for Mechanical Reinforcement of Polymer Composites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19621-19628.	1.5	72
18	Supramolecular polymer networks from hybrid between graphene oxide and per-6-amino- $\beta$ -cyclodextrin. <i>Chemical Communications</i> , 2010, 46, 6087.	2.2	51
19	The Effect of Interlayer Adhesion on the Mechanical Behaviors of Macroscopic Graphene Oxide Papers. <i>ACS Nano</i> , 2011, 5, 2134-2141.	7.3	318

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20	Detection of glycated hemoglobin using 3-Aminophenylboronic acid modified graphene oxide. , 2011, , .		4
21	Electrochemical Unzipping of Multi-walled Carbon Nanotubes for Facile Synthesis of High-Quality Graphene Nanoribbons. Journal of the American Chemical Society, 2011, 133, 4168-4171.	6.6	203
22	Functionalized Graphene Oxide Nanocomposite Membrane for Low Humidity and High Temperature Proton Exchange Membrane Fuel Cells. Journal of Physical Chemistry C, 2011, 115, 20774-20781.	1.5	410
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25	Facile synthesis of reduced graphene oxide in supercritical alcohols and its lithium storage capacity. Green Chemistry, 2011, 13, 2714.	4.6	75
26	Preparation of water-dispersible graphene by facile surface modification of graphite oxide. Nanotechnology, 2011, 22, 305710.	1.3	91
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28	Effect of Oxygen Content on Structures of Graphite Oxides. Industrial & Engineering Chemistry Research, 2011, 50, 6132-6137.	1.8	119
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31	Peptide-Functionalized Colloidal Graphene via Interdigitated Bilayer Coating and Fluorescence Turn-on Detection of Enzyme. ACS Applied Materials & Interfaces, 2011, 3, 3335-3341.	4.0	63
32	On the Gelation of Graphene Oxide. Journal of Physical Chemistry C, 2011, 115, 5545-5551.	1.5	603
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35	Blood Compatible Graphene/Heparin Conjugate through Noncovalent Chemistry. Biomacromolecules, 2011, 12, 336-341.	2.6	192
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39	Direct exfoliation of graphene in methanesulfonic acid and facile synthesis of graphene/polybenzimidazole nanocomposites. <i>Journal of Materials Chemistry</i> , 2011, 21, 505-512.	6.7	79
40	Role of poly(N-vinyl-2-pyrrolidone) as stabilizer for dispersion of graphene via hydrophobic interaction. <i>Journal of Materials Science</i> , 2011, 46, 1316-1321.	1.7	79
41	Preparations and properties of waterborne polyurethane/allyl isocyanated-modified graphene oxide nanocomposites. <i>Colloid and Polymer Science</i> , 2011, 289, 1809-1814.	1.0	40
42	Thermo-responsive Assembly of Chemically Reduced Graphene and Poly(N-isopropylacrylamide). <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 336-341.	1.1	37
43	Functionalization of Graphene Sheets by Polyacetylene: Convenient Synthesis and Enhanced Emission. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 768-773.	1.1	54
44	Simultaneous Reduction and Surface Functionalization of Graphene Oxide by Mussel-Inspired Chemistry. <i>Advanced Functional Materials</i> , 2011, 21, 108-112.	7.8	409
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48	Reinforcing effects of adding alkylated graphene oxide to polypropylene. <i>Carbon</i> , 2011, 49, 3553-3559.	5.4	137
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55	Covalent functionalization of graphene oxide by 9-(4-aminophenyl)acridine and its derivatives. <i>Chinese Chemical Letters</i> , 2012, 23, 1411-1414.	4.8	11

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56	Multifunctional, supramolecular, continuous artificial nacre fibres. <i>Scientific Reports</i> , 2012, 2, 767.	1.6	98
57	One-step synthesis of graphene/polyallylamine@Au nanocomposites and their electrocatalysis toward oxygen reduction. <i>Talanta</i> , 2012, 89, 391-395.	2.9	36
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59	Chemical and thermal reduction of graphene oxide and its electrically conductive polylactic acid nanocomposites. <i>Composites Science and Technology</i> , 2012, 72, 1430-1435.	3.8	129
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63	Self-Assembled Electrical Biodetector Based on Reduced Graphene Oxide. <i>ACS Nano</i> , 2012, 6, 5514-5520.	7.3	44
64	Functionalization of Graphene: Covalent and Non-Covalent Approaches, Derivatives and Applications. <i>Chemical Reviews</i> , 2012, 112, 6156-6214.	23.0	3,531
66	Aqueous dispersion of graphene sheets stabilized by ionic liquid-based polyether. <i>Colloid and Polymer Science</i> , 2012, 290, 1785-1791.	1.0	21
67	Mechanical properties of graphene oxides. <i>Nanoscale</i> , 2012, 4, 5910.	2.8	239
68	Synthesis of Graphene Peroxide and Its Application in Fabricating Super Extensible and Highly Resilient Nanocomposite Hydrogels. <i>ACS Nano</i> , 2012, 6, 8194-8202.	7.3	185
69	Highly Wrinkled Cross-Linked Graphene Oxide Membranes for Biological and Charge Storage Applications. <i>Small</i> , 2012, 8, 423-431.	5.2	103
70	Polynorbornene dicarboximide/amine functionalized graphene hybrids for potential oxygen barrier films. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1611-1621.	2.5	44
71	Polysaccharide Nanocomposites Reinforced with Graphene Oxide and Keratin-Grafted Graphene Oxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3619-3629.	1.8	101
72	2D-Aligned Graphene Sheets in Transparent Polyimide/Graphene Nanocomposite Films Based on Noncovalent Interactions Between Poly(amic acid) and Graphene Carboxylic Acid. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 303-311.	1.7	57
73	A Facile Approach to Chemically Modified Graphene and its Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2012, 22, 2735-2743.	7.8	244
74	Multiscale Experimental Mechanics of Hierarchical Carbon-Based Materials. <i>Advanced Materials</i> , 2012, 24, 2805-2823.	11.1	52
75	Interfacial enhancement of maleated polypropylene/silica composites using graphene oxide. <i>Journal of Applied Polymer Science</i> , 2012, 125, E348.	1.3	33

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76	Controllable Deposition of a Platinum Nanoparticle Ensemble on a Polyaniline/Graphene Hybrid as a Novel Electrode Material for Electrochemical Sensing. <i>Chemistry - A European Journal</i> , 2012, 18, 7950-7959.	1.7	124
77	Graphene and its derivatives: switching ON and OFF. <i>Chemical Society Reviews</i> , 2012, 41, 4688.	18.7	257
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79	Observation of mechanical percolation in functionalized graphene oxide/elastomer composites. <i>Carbon</i> , 2012, 50, 4489-4494.	5.4	68
80	Unzipped multiwalled carbon nanotubes-incorporated poly(l-lactide) nanocomposites with enhanced interface and hydrolytic degradation. <i>Materials Chemistry and Physics</i> , 2012, 134, 1059-1066.	2.0	26
81	Chemical functionalization of graphene and its applications. <i>Progress in Materials Science</i> , 2012, 57, 1061-1105.	16.0	1,612
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87	Significant thermal conductivity enhancement in graphene oxide papers modified with alkaline earth metal ions. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	27
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89	Mechanical properties of highly defective graphene: from brittle rupture to ductile fracture. <i>Nanotechnology</i> , 2013, 24, 505703.	1.3	65
90	A bifunctional approach for the preparation of graphene and ionic liquid-based hybrid gels. <i>Journal of Materials Chemistry A</i> , 2013, 1, 43-48.	5.2	32
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92	In situ synthesis of the reduced graphene oxide-polyethyleneimine composite and its gas barrier properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3739.	5.2	236
93	Graphene oxide based fluorescent nanocomposites for cellular imaging. <i>Journal of Materials Chemistry B</i> , 2013, 1, 512-521.	2.9	115
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98	Defect-activated self-assembly of multilayered graphene paper: a mechanically robust architecture with high strength. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2002-2010.	5.2	12
99	Reduced Graphene Oxide-Silver Nanoparticle Composite as an Active SERS Material. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4740-4747.	1.5	126
100	Fusion of nacre, mussel, and lotus leaf: bio-inspired graphene composite paper with multifunctional integration. <i>Nanoscale</i> , 2013, 5, 5758.	2.8	59
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103	Realizing Ultrahigh Modulus and High Strength of Macroscopic Graphene Oxide Papers Through Crosslinking of Mussel-Inspired Polymers. <i>Advanced Materials</i> , 2013, 25, 2980-2983.	11.1	351
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134	Oxygen-Free Highly Conductive Graphene Papers. <i>Advanced Functional Materials</i> , 2014, 24, 4878-4885.	7.8	42
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137	Wrinkling in graphene sheets and graphene oxide papers. <i>Carbon</i> , 2014, 66, 84-92.	5.4	213
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