

Epoxide reduction with hydrazine on graphene: A first p

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hydrazine and Thermal Reduction of Graphene Oxide: Reaction Mechanisms, Product Structures, and Reaction Design. <i>Journal of Physical Chemistry C</i> , 2010, 114, 832-842.	1.5	1,002
2	Graphite Oxide as a Photocatalyst for Hydrogen Production from Water. <i>Advanced Functional Materials</i> , 2010, 20, 2255-2262.	7.8	746
3	Chemically Derived Graphene Oxide: Towards Large-Area Thin-Film Electronics and Optoelectronics. <i>Advanced Materials</i> , 2010, 22, 2392-2415.	11.1	2,018
4	Determination of the Local Chemical Structure of Graphene Oxide and Reduced Graphene Oxide. <i>Advanced Materials</i> , 2010, 22, 4467-4472.	11.1	1,044
5	Real-Time DNA Detection Using Reduced Graphene Oxide Field Effect Transistors. <i>Advanced Materials</i> , 2010, 22, 5297-5300.	11.1	141
6	Graphene, a promising transparent conductor. <i>Materials Today</i> , 2010, 13, 52-59.	8.3	469
7	A roadmap to high quality chemically prepared graphene. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 374015.	1.3	57
8	First-Principle Study of Hydroxyl Functional Groups on Pristine, Defected Graphene, and Graphene Epoxide. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21625-21630.	1.5	218
9	Graphite Oxide with Different Oxygenated Levels for Hydrogen and Oxygen Production from Water under Illumination: The Band Positions of Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22587-22597.	1.5	260
10	Melatonin as a powerful bio-antioxidant for reduction of graphene oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 10907.	6.7	255
11	Size Fractionation of Graphene Oxide Sheets by pH-Assisted Selective Sedimentation. <i>Journal of the American Chemical Society</i> , 2011, 133, 6338-6342.	6.6	293
12	Thinning of multilayer graphene to monolayer graphene in a plasma environment. <i>Nanotechnology</i> , 2011, 22, 025704.	1.3	53
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14	Cytotoxicity of Graphene Oxide and Graphene in Human Erythrocytes and Skin Fibroblasts. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2607-2615.	4.0	1,206
15	Environmentally friendly approaches toward the mass production of processable graphene from graphite oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 298-306.	6.7	173
16	Investigation on fluorescence quenching of dyes by graphite oxide and graphene. <i>Applied Surface Science</i> , 2011, 257, 5513-5518.	3.1	179
17	Perspective: The dawning of the age of graphene. <i>Journal of Chemical Physics</i> , 2011, 135, 050901.	1.2	31
18	Graphene Oxide: Theoretical Perspectives. , 2012, , 69-84.		6

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19	Adsorption of oxygen-containing functional groups on free and supported graphene using point contact. <i>Physical Review B</i> , 2012, 85, .	1.1	6
20	Ultralow percolation graphene/polyurethane acrylate nanocomposites. <i>Polymer</i> , 2012, 53, 3756-3761.	1.8	74
21	Adsorption and Dissociation of Ammonia on Graphene Oxides: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8778-8791.	1.5	131
22	Graphene production by laser shot on graphene oxide: An <i>ab initio</i> prediction. <i>Physical Review B</i> , 2012, 85, .	1.1	34
23	Chemical Approaches to Produce Graphene Oxide and Related Materials. , 2012, , 205-234.		5
24	Graphene oxide and its reduction: modeling and experimental progress. <i>RSC Advances</i> , 2012, 2, 2643.	1.7	463
25	The reduction of graphene oxide. <i>Carbon</i> , 2012, 50, 3210-3228.	5.4	4,247
26	Increasing the antioxidant activity of green tea polyphenols in the presence of iron for the reduction of graphene oxide. <i>Carbon</i> , 2012, 50, 3015-3025.	5.4	240
27	Post-fabrication, <i>in situ</i> laser reduction of graphene oxide devices. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	76
30	Photocatalytic reduction of GO/ZnO to achieve GNRs for optoelectronic applications. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 385101.	1.3	12
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32	Theoretical characterization of reduction dynamics for graphene oxide by alkaline-earth metals. <i>Carbon</i> , 2013, 52, 122-127.	5.4	30
33	Revealing the ultrafast process behind the photoreduction of graphene oxide. <i>Nature Communications</i> , 2013, 4, 2560.	5.8	132
34	Graphene nanosheets: Ultrasound assisted synthesis and characterization. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 644-649.	3.8	228
35	Graphene-related nanomaterials: tuning properties by functionalization. <i>Nanoscale</i> , 2013, 5, 4541.	2.8	614
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37	Towards full repair of defects in reduced graphene oxide films by two-step graphitization. <i>Nano Research</i> , 2013, 6, 216-233.	5.8	199
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40	Tuning the Electronic Structure of Graphite Oxide through Ammonia Treatment for Photocatalytic Generation of H <sub>2</sub> and O <sub>2</sub> from Water Splitting. Journal of Physical Chemistry C, 2013, 117, 6516-6524.	1.5	151
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44	X-ray absorption spectroscopy study on the thermal and hydrazine reduction of graphene oxide. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 89-93.	0.8	25
45	Pulsed laser irradiation for environment friendly reduction of graphene oxide suspensions. Applied Surface Science, 2014, 301, 183-188.	3.1	79
46	Role of oxygen functionalities on the synthesis of photocatalytically active graphene@TiO <sub>2</sub> composites. Applied Catalysis B: Environmental, 2014, 158-159, 329-340.	10.8	117
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58	The Chemistry of Graphene Oxide. , 2015, , 61-95.		212
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69	Environmentally friendly synthesis of graphene-silver composites with surface-enhanced Raman scattering and antibacterial activity via reduction with <math>L\text{-ascorbic acid}</math>/water vapor. New Journal of Chemistry, 2015, 39, 5272-5281.	1.4	43
70	Transport of Sulfide-Reduced Graphene Oxide in Saturated Quartz Sand: Cation-Dependent Retention Mechanisms. Environmental Science & Technology, 2015, 49, 11468-11475.	4.6	87
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130	<i>Ab initio</i> molecular dynamics study of adsorption of hydroxyl groups on graphene surface. <i>Chinese Journal of Chemical Physics</i> , 2021, 34, 777-784.	0.6	2
131	Li/graphene oxide primary battery system and mechanism. , 2022, 1, .		8
132	Correlation between multiple chemical modification strategies on graphene or graphite and physical/electrical properties. <i>FlatChem</i> , 2022, 33, 100376.	2.8	6
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134	Advanced wearable biosensors for the detection of body fluids and exhaled breath by graphene. <i>Mikrochimica Acta</i> , 2022, 189, .	2.5	35
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145	Influence of thermal interfacings on reduced graphene oxide characteristics and its photocatalytic activity degrading Rhodamine B. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	1
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