

Enhanced Mechanical Properties of Nanocomposites at

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Fabrication, Mechanical Properties, and Biocompatibility of Graphene-Reinforced Chitosan Composites. <i>Biomacromolecules</i> , 2010, 11, 2345-2351.	2.6	514
6	Graphene/Polymer Nanocomposites. <i>Macromolecules</i> , 2010, 43, 6515-6530.	2.2	2,979
7	Micromechanics prediction of the effective elastic moduli of graphene sheet-reinforced polymer nanocomposites. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2010, 18, 045005.	0.8	141
8	Monodispersed Au nanoparticles decorated graphene as an enhanced sensing platform for ultrasensitive stripping voltammetric detection of mercury(II). <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 491-497.	4.0	223
9	Recent progresses in application of functionalized graphene sheets. <i>Science China Technological Sciences</i> , 2010, 53, 2311-2319.	2.0	23
10	Mechanical Properties of Ni-Coated Single Graphene Sheet and Their Embedded Aluminum Matrix Composites. <i>Communications in Theoretical Physics</i> , 2010, 54, 143-147.	1.1	18
11	Transferable Graphene Oxide Films with Tunable Microstructures. <i>ACS Nano</i> , 2010, 4, 7367-7372.	7.3	135
12	Constructing hierarchically structured interphases for strong and tough epoxy nanocomposites by amine-rich graphene surfaces. <i>Journal of Materials Chemistry</i> , 2010, 20, 9635.	6.7	250
13	Preparation of Covalently Functionalized Graphene Using Residual Oxygen-Containing Functional Groups. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3092-3099.	4.0	379
14	Preparation and properties of a graphene reinforced nanocomposite conducting plate. <i>Journal of Materials Chemistry</i> , 2010, 20, 8496.	6.7	122
15	Dispersion and functionalization of carbon nanotubes for polymer-based nanocomposites: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 1345-1367.	3.8	2,787
16	<i>In situ</i> Polymerization Approach to Graphene-Reinforced Nylon-6 Composites. <i>Macromolecules</i> , 2010, 43, 6716-6723.	2.2	629
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18	Graphene Nanoribbon Composites. <i>ACS Nano</i> , 2010, 4, 7415-7420.	7.3	264
19	Effects of Graphene on a Resin Transfer Molding Process Using Bisphenol A Based Epoxy Resin. <i>Advanced Materials Research</i> , 2010, 123-125, 535-538.	0.3	0
20	Graphene Oxide~Polyelectrolyte Nanomembranes. <i>ACS Nano</i> , 2010, 4, 4667-4676.	7.3	257
21	Dramatic Increase in Fatigue Life in Hierarchical Graphene Composites. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2738-2743.	4.0	213
22	Preparation of poly(vinyl chloride)-solvothermally reduced graphene composite by latex technology. , 2010, , .		1

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24	Raman study of interfacial load transfer in graphene nanocomposites. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	71
25	A promising alternative to conventional polyethylene with poly(propylene carbonate) reinforced by graphene oxide nanosheets. <i>Journal of Materials Chemistry</i> , 2011, 21, 17627.	6.7	58
26	Graphene Colloidal Suspensions as High Performance Semi-Synthetic Metal-Working Fluids. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3410-3415.	1.5	67
27	Vacuum-assisted synthesis of graphene from thermal exfoliation and reduction of graphite oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 5392.	6.7	192
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29	Controllable Deposition of Platinum Nanoparticles on Graphene As an Electrocatalyst for Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15639-15645.	1.5	391
30	Noncovalently Functionalized Multiwalled Carbon Nanotubes by Chitosan-Grafted Reduced Graphene Oxide and Their Synergistic Reinforcing Effects in Chitosan Films. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4819-4830.	4.0	107
31	Synergistic effect of hybrid carbon nanotube-graphene oxide as a nanofiller in enhancing the mechanical properties of PVA composites. <i>Journal of Materials Chemistry</i> , 2011, 21, 10844.	6.7	191
32	Preparation and properties of graphene oxide/polyimide composite films with low dielectric constant and ultrahigh strength via in situ polymerization. <i>Journal of Materials Chemistry</i> , 2011, 21, 13569.	6.7	262
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68	Enhancing polymer performance through graphene sheets. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3670-3674.	1.3	82
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