

Mechanical properties of graphene and graphene-based

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Charge transport in conjugated polymer-semiconductor nanoparticle composite near the percolation threshold. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	7
2	Mechanical behaviour of graphene and carbon fibre reinforced epoxy based hybrid nanocomposites for orthotic callipers. <i>Journal of Experimental Nanoscience</i> , 2018, 13, S14-S23.	1.3	12
3	Synergistic effect of ZnO and graphene oxide nanofillers on the gas barrier properties of PVA films. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46455.	1.3	26
4	Micromechanics of reinforcement of a graphene-based thermoplastic elastomer nanocomposite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 110, 84-92.	3.8	53
5	Dielectric relaxations and conductivity of cross-linked PVA/SSA/GO composite membranes for fuel cells. <i>Polymer Testing</i> , 2018, 67, 55-67.	2.3	49
6	Self-Driven Graphene Tearing and Peeling: A Fully Atomistic Molecular Dynamics Investigation. <i>MRS Advances</i> , 2018, 3, 463-468.	0.5	1
7	Template-Free Synthesis of Hollow G-C ₃ N ₄ Polymer with Vesicle Structure for Enhanced Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3786-3793.	1.5	55
8	A molecular dynamics study on efficient nanocomposite formation of styrene-butadiene rubber by incorporation of graphene. <i>Graphene Technology</i> , 2018, 3, 25-33.	1.9	32
9	Effect of surface functionalization of halloysite nanotubes on synthesis and thermal properties of poly(μ -caprolactone). <i>Journal of Materials Science</i> , 2018, 53, 6519-6541.	1.7	23
10	First principles study of optical properties of molybdenum disulfide: From bulk to monolayer. <i>Superlattices and Microstructures</i> , 2018, 115, 10-18.	1.4	35
11	Enhanced thermal and fire retardancy properties of polypropylene reinforced with a hybrid graphene/glass-fibre filler. <i>Composites Science and Technology</i> , 2018, 156, 95-102.	3.8	59
12	Low-force spectroscopy on graphene membranes by scanning tunneling microscopy. <i>Nanoscale</i> , 2018, 10, 2148-2153.	2.8	11
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14	Effect of Graphene Oxide on the Characteristics and Mechanisms of Phosphorus Removal in Aerobic Granular Sludge: Case Report. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	7
15	Multifunctional green nanostructured composites: preparation and characterization. <i>Materials Research Express</i> , 2018, 5, 055010.	0.8	4
16	Synthesis and thermal behavior of Cu ₂ O flower-like, Cu ₂ O-C ₆₀ and Al/Cu ₂ O-C ₆₀ as catalysts on the thermal decomposition of ammonium perchlorate. <i>Vacuum</i> , 2018, 153, 277-290.	1.6	25
17	Simple device for the growth of micrometer-sized monocrystalline single-layer graphene on SiC(0001). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	0.9	4
18	Effect of graphene oxide on the bioactivities of nitrifying and denitrifying bacteria in aerobic granular sludge. <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 287-293.	2.9	25

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20	A novel flexible heating element using graphene polymeric composite ink on polyimide film. <i>Microsystem Technologies</i> , 2018, 24, 3283-3289.	1.2	5
21	Insights into crystallization and melting of high density polyethylene/graphene nanocomposites studied by fast scanning calorimetry. <i>Polymer Testing</i> , 2018, 67, 349-358.	2.3	32
22	Synthesis, characterization, and electrochemical properties of the modified graphene oxide with 4,4'-methylenedianiline. <i>Materials Letters</i> , 2018, 211, 323-327.	1.3	18
23	Graphene as biomedical sensing element: State of art review and potential engineering applications. <i>Composites Part B: Engineering</i> , 2018, 134, 193-206.	5.9	113
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34	Electromagnetic interference shielding properties of graphene/MWCNT hybrid buckypaper. <i>Micro and Nano Letters</i> , 2018, 13, 1252-1254.	0.6	6
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