

A review on the mechanical and electrical properties of reinforced polymer composites

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Journal of Materials Chemistry: Developing to serve the materials chemistry community. Journal of Materials Chemistry, 2011, 21, 17-19.	6.7	1
2	Incorporation of electron tunnelling phenomenon into 3D Monte Carlo simulation of electrical percolation in graphite nanoplatelet composites. Journal Physics D: Applied Physics, 2011, 44, 455306.	1.3	18
3	Graphite-Composites Alternatives for Electrochemical Biosensor. , 2011, , .		3
4	Comparing carbon nanotubes and graphene nanoplatelets as reinforcements in polyamide 12 composites. Nanotechnology, 2011, 22, 275714.	1.3	122
5	Investigation of the crystalline structure of PVDF in PVDF/PMMA/graphene polymer blend nanocomposites. Polymer Composites, 2011, 32, 1451-1460.	2.3	51
6	Recent Advances in the Covalent Modification of Graphene With Polymers. Macromolecular Rapid Communications, 2011, 32, 1771-1789.	2.0	272
7	Interphases in Graphene Polymer-based Nanocomposites: Achievements and Challenges. Advanced Materials, 2011, 23, 5302-5310.	11.1	272
8	Magnetic Fe ₃ O ₄ -graphene oxide/polystyrene: Fabrication and characterization of a promising nanocomposite. Chemical Engineering Journal, 2011, 172, 540-549.	6.6	281
9	Electrospun Nanofibre Cores Containing Graphene Oxide for Sandwich Films: Manufacturing and Analysis. Advanced Materials Research, 2011, 410, 26-30.	0.3	5
10	Mechanical properties of polydicyclopentadiene/graphite nanosheet composites prepared by reaction injection moulding. Plastics, Rubber and Composites, 2012, 41, 319-325.	0.9	8
11	A High-Performance Heat Exchanger Using Modified Polyvinylidene Fluoride-Based Hollow Fibers. Advanced Materials Research, 2012, 479-481, 115-119.	0.3	1
12	Novel polycarbonate-graphene nanocomposite foams prepared by CO ₂ dissolution. IOP Conference Series: Materials Science and Engineering, 2012, 31, 012008.	0.3	15
13	- Diffusion through Polymers Containing Platelike Nanomaterials. , 2012, , 490-517.		0
14	Relationship between Dispersion and Conductivity of Polymer Nanocomposites: A Molecular Dynamics Study. Journal of Physical Chemistry B, 2012, 116, 13081-13088.	1.2	31
15	Thermal Conductivity of Polyamide-6,6 in the Vicinity of Charged and Uncharged Graphene Layers: A Molecular Dynamics Analysis. Journal of Physical Chemistry C, 2012, 116, 14115-14122.	1.5	31
16	Bioinspired approaches for optimizing the strength and toughness of graphene-based polymer nanocomposites. Journal of Materials Chemistry, 2012, 22, 16182.	6.7	45
17	Current Advances in Polymer Electrolyte Fuel Cells Based on the Promotional Role of Under-rib Convection. Fuel Cells, 2012, 12, 908-938.	1.5	25
18	Realizing the enhancement of interfacial interaction in semicrystalline polymer/filler composites via interfacial crystallization. Progress in Polymer Science, 2012, 37, 1425-1455.	11.8	355

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19	Tribological and mechanical investigation of MC nylon reinforced by modified graphene oxide. <i>Wear</i> , 2012, 294-295, 395-401.	1.5	118
20	Comparison of Theory with Experimental Data for Nanoclay-Filled TPU/PP Blend. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13379-13392.	1.8	11
21	Polyolefin-based polymer nanocomposites. , 2012, , 181-215.		5
22	Thermal stability of polycarbonate-graphene nanocomposite foams. <i>Polymer Degradation and Stability</i> , 2012, 97, 1297-1304.	2.7	99
23	Elasticity and structure of weak graphite nanoplatelet (GNP) networks in polymer matrices through viscoelastic analyses. <i>Polymer</i> , 2012, 53, 2699-2704.	1.8	28
24	Improvement in transdermal drug delivery performance by graphite oxide/temperature-responsive hydrogel composites with micro heater. <i>Materials Science and Engineering C</i> , 2012, 32, 1564-1570.	3.8	20
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31	High performance cellulose acetate propionate composites reinforced with exfoliated graphene. <i>Composites Part B: Engineering</i> , 2012, 43, 3412-3418.	5.9	50
32	Development of PCM/carbon-based composite materials. <i>Solar Energy Materials and Solar Cells</i> , 2012, 107, 205-211.	3.0	47
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37	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
38	Chemically Reduced Graphite Oxide with Improved Shape Anisotropy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24809-24813.	1.5	71
39	Influence of the nanofiller type and content on permeation characteristics of multifunctional NR nanocomposites and their modeling. <i>Polymers for Advanced Technologies</i> , 2012, 23, 596-610.	1.6	10
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41	Effect of nitrile functionalized graphene on the properties of poly(arylene ether nitrile) nanocomposites. <i>Polymer International</i> , 2012, 61, 880-887.	1.6	14
42	Poly(vinyl alcohol) Nanocomposites Filled with Poly(vinyl alcohol)-Grafted Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2387-2394.	4.0	240
43	Effects of aromatic carboxylic dianhydrides on thermomechanical properties of polybenzoxazine-dianhydride copolymers. <i>Polymer Engineering and Science</i> , 2012, 52, 1640-1648.	1.5	29
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45	A new equation for predicting electrical conductivity of carbon-filled polymer composites used for bipolar plates of fuel cells. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1497-1509.	1.3	27
46	Covalently Functionalized Hexagonal Boron Nitride Nanosheets by Nitrene Addition. <i>Chemistry - A European Journal</i> , 2012, 18, 10808-10812.	1.7	75
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56	Lubrication of poly(vinyl alcohol) chain orientation by carbon nano-chips in composite tapes. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2977-2982.	1.3	34
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74	Alloys and Composites of Polybenzoxazines. <i>Engineering Materials</i> , 2013, , .	0.3	54
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152	Magnetically Induced Anisotropic Orientation of Graphene Oxide Locked by <i>in Situ</i> Hydrogelation. <i>ACS Nano</i> , 2014, 8, 4640-4649.	7.3	113
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