

Functionalization of multi-walled carbon nanotubes by polymerization

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of poly(glycolide-caprolactone) copolymers for application as bioabsorbable suture materials. <i>Macromolecular Research</i> , 2013, 21, 687-692.	1.0	7
2	Functionalization of multiwalled carbon nanotubes with S-valine amino acid and its reinforcement on amino acid-containing poly(amide-imide) bionanocomposites. <i>High Performance Polymers</i> , 2013, 25, 966-979.	0.8	16
3	Functionalization of multi-walled carbon nanotubes using water-assisted chemical vapor deposition. <i>Journal of Solid State Chemistry</i> , 2013, 197, 517-522.	1.4	37
4	Synthesis and effect of modification on methacrylate - acrylate microspheres for <i>Trametes versicolor</i> laccase enzyme immobilization. , 2014, , .		3
5	A convenient strategy to functionalize carbon nanotubes with ascorbic acid and its effect on the physical and thermomechanical properties of poly(amide-imide) composites. <i>Journal of Solid State Chemistry</i> , 2014, 211, 136-145.	1.4	50
6	A review on carbon nanotube/polymer composites for organic solar cells. <i>International Journal of Energy Research</i> , 2014, 38, 1635-1653.	2.2	84
7	Specific functionalization and polymer grafting on multiwalled carbon nanotubes to fabricate advanced nylon 12 composites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3961.	5.2	68
8	Hybrid S-valine functionalized multi-walled carbon nanotubes/poly(amide-imide) nanocomposites containing trimellitimidobenzene and 4-hydroxyphenyl benzamide moieties: preparation, processing, and thermal properties. <i>Journal of Materials Science</i> , 2014, 49, 7445-7453.	1.7	9
9	Improved performance of Î±-amylase immobilized on poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 Td (methacrylate-co-ethylene). 2014, 65, 492-499.	3.6	15
10	Preparation and characterization of polyacrylonitrile-based carbon fiber papers. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3440-3445.	2.9	25
11	A facile, efficient, and rapid covalent functionalization of multi-walled carbon nanotubes with natural amino acids under microwave irradiation. <i>Progress in Organic Coatings</i> , 2014, 77, 679-684.	1.9	55
12	Rheological properties and fracture toughness of epoxy resin/multi-walled carbon nanotube composites. <i>Polymer Engineering and Science</i> , 2015, 55, 2676-2682.	1.5	6
13	Functionalization of Multi-Walled Carbon Nanotube and Mechanical Property of Epoxy-Based Nanocomposite. <i>Journal of Aerospace Technology and Management</i> , 2015, 7, 289-293.	0.3	52
14	Noncovalent Grafting of Carbon Nanotubes with Triblock Terpolymers: Toward Patchy 1D Hybrids. <i>Macromolecules</i> , 2015, 48, 1767-1776.	2.2	20
15	Influence of functionalised multiwalled carbon nanotubes with imidazole derivative and thiosemicarbazide on MKN45 and SW742 cancer cells. <i>Materials Technology</i> , 2015, 30, 223-229.	1.5	4
16	Effect of urethane functionality and number of epoxide groups on cure and mechanical behaviors of epoxy resins. <i>Macromolecular Research</i> , 2015, 23, 134-138.	1.0	5
17	Sidewall Functionalization of Carbon Nanotubes as a Method of Controlling Structural Transformations of the Magnetically Triggered Nanocontainer: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8373-8381.	1.5	4
18	Role of Carboxylic Acid-Functionalized MWCNTs in Potentially Biodegradable Poly(Amide-imide) Nanocomposites Based on N,N'-2-(Pyromellitoyl)-bis-S-valine: Preparation, Thermal and Morphological Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 1653-1660.	1.9	3

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19	A study on mechanical properties and microstructure of tetragonal zirconia-based composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 322-328.	2.9	3
20	Synthesis and thermal properties of urethane-containing epoxy resin. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 20-23.	2.9	13
21	Synthesis and characterization of multi-walled carbon nanotubes-supported dibenzo-14-crown-4 ether with proton ionizable carboxyl sidearm as Li ⁺ adsorbents. <i>Chemical Engineering Journal</i> , 2015, 264, 89-98.	6.6	56
22	Improvement of hydrophilic properties of electrospun polyamide-imide fibrous mats by atmospheric-pressure plasma treatment. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 78, 53-58.	1.9	12
23	Impact behavior and fractographic study of carbon nanotubes grafted carbon fiber-reinforced epoxy matrix multi-scale hybrid composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 124-131.	3.8	61
24	Fracture toughness and surface morphology of Al ₂ O ₃ /Pt composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 5-8.	2.9	3
25	Influence of biosafe amino acid-functionalized multiwalled carbon nanotubes on the morphology and thermal properties of the poly(amide-imide) nanocomposites containing N-(pyromellitoyl)-bis-S-valine segments. <i>High Performance Polymers</i> , 2015, 27, 371-378.	0.8	2
26	A Review on Polymer/Cement Composite with Carbon Nanofiller and Inorganic Filler. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1299-1323.	1.9	16
27	Surface functionalization of carbon nanotubes: fabrication and applications. <i>RSC Advances</i> , 2016, 6, 109916-109935.	1.7	255
28	Functionalisation of multiwalled carbon nanotubes with thiazole derivative and their influence on SKBR3 and HEK293 cell lines. <i>Materials Technology</i> , 2016, 31, 371-376.	1.5	6
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30	Influences of nanoparticles aggregation/agglomeration on the interfacial/interphase and tensile properties of nanocomposites. <i>Composites Part B: Engineering</i> , 2017, 122, 41-46.	5.9	174
31	A potentiometric sensor for the trace level determination of hemoglobin in real samples using multiwalled carbon nanotube based molecular imprinted polymer. <i>European Polymer Journal</i> , 2017, 97, 84-93.	2.6	14
32	Fracture toughness and ductile characteristics of diglycidyl ether of bisphenol-A resins modified with biodegradable epoxidized linseed oil. <i>Composites Part B: Engineering</i> , 2017, 131, 144-152.	5.9	31
33	Morphology and thermal properties of nanocomposites based on chiral poly(ester-imide) matrix reinforced by vitamin B1 functionalized multiwalled carbon nanotubes. <i>Journal of Composite Materials</i> , 2017, 51, 2291-2300.	1.2	7
34	Effect of Mercapto-Terminated Silane Treatment on Rheological and Mechanical Properties of Rice Bran Carbon-Reinforced Nitrile Butadiene Rubber Composites. <i>Macromolecular Research</i> , 2018, 26, 446-453.	1.0	8
35	Interfacial characteristics of carbon nanotube-polymer composites: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 114, 149-169.	3.8	142
36	Aziridine-based polyaddition, post-modification, and crosslinking: can aziridine rival epoxide in polymer chemistry?. <i>Polymer Chemistry</i> , 2019, 10, 4506-4512.	1.9	25

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38	Cu-Mn Bimetallic Complex Immobilized on Magnetic NPs as an Efficient Catalyst for Domino One-Pot Preparation of Benzimidazole and Biginelli Reactions from Alcohols. Catalysis Letters, 2021, 151, 1049-1067.	1.4	12
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41	Chapter 5. Polymer-grafted Carbon Nanotubes via "Grafting From" Approach. RSC Nanoscience and Nanotechnology, 2013, , 120-181.	0.2	0
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