

Polymer-layered silicate nanocomposites: preparation, of materials

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Citation Report

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3045	Investigation of the influence of processing conditions on the thermal, rheological and mechanical behavior of polypropylene nanocomposites. <i>Polymer Engineering and Science</i> , 2013, 53, 1001-1010.	1.5	14
3046	Effect of nanoclay-type and PLA optical purity on the characteristics of PLA-based nanocomposite films. <i>Journal of Food Engineering</i> , 2013, 117, 113-123.	2.7	132
3047	Intercalation of lecithins for preparation of layered nano hybrid materials and adsorption of limonene. <i>Applied Clay Science</i> , 2013, 72, 155-162.	2.6	29
3048	Epoxy Resins. , 2013, , 95-153.		7
3049	Influence of nanofiller dimensionality on the crystallization behavior of HDPE/carbon nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3609-3618.	1.3	19
3050	Nanocomposites with Polymer Grafted Nanoparticles. <i>Macromolecules</i> , 2013, 46, 3199-3214.	2.2	660
3051	Unsaturated polyester/bentonite nanocomposites: Influence of clay modification on final performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 48, 137-143.	3.8	80
3052	Smectiteâ€“Polymer Nanocomposites. <i>Developments in Clay Science</i> , 2013, , 679-706.	0.3	25
3053	Selective Permeation of Hydrogen Gas Using Cellulose Nanofibril Film. <i>Biomacromolecules</i> , 2013, 14, 1705-1709.	2.6	64
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3060	Freezingâ€“thawing effects on the properties of dialdehyde carboxymethyl cellulose crosslinked gelatin-MMT composite films. <i>Food Hydrocolloids</i> , 2013, 33, 273-279.	5.6	45
3061	Physical and dyeing properties of poly(ethylene terephthalate)/montmorillonite nanocomposite filament yarns. <i>Polymer Engineering and Science</i> , 2013, 53, 1031-1039.	1.5	11
3062	Morphological aspects of injected polypropylene/clay nanocomposite materials. <i>Polymer Engineering and Science</i> , 2013, 53, 905-913.	1.5	6
3063	Polyolefin/Layered Silicate Nanocomposites Prepared by In Situ Polymerization. <i>Advances in Polymer Science</i> , 2013, , 311-339.	0.4	9

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3066	Mechanical characterization of interfaces in epoxy-clay nanocomposites by molecular simulations. Polymer, 2013, 54, 766-773.	1.8	41
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3068	Nanoparticle size and water diffusivity in nanocomposite agro-polymer based films. European Polymer Journal, 2013, 49, 299-306.	2.6	9
3069	Multifunctional nanostructured PLA materials for packaging and tissue engineering. Progress in Polymer Science, 2013, 38, 1720-1747.	11.8	527
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3076	Effect of organoclay content on the mechanical properties of ethylene vinyl acetate copolymer/multi-walled carbon nanotube/organoclay foams. Polymer Composites, 2013, 34, 665-670.	2.3	2
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3088	Toughness distribution in complex PP/nanoclay injected mouldings. Composites Science and Technology, 2013, 74, 28-36.	3.8	17

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3090	Morphology-performance relationship of polypropylene nanoclay composites processed by shear controlled injection moulding. <i>Polymer International</i> , 2013, 62, 1589-1599.	1.6	11
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3094	Enhancing silver nanoparticle and antimicrobial efficacy by the exfoliated clay nanoplatelets. <i>RSC Advances</i> , 2013, 3, 7392.	1.7	17
3095	Polylactide (PLA)-based nanocomposites. <i>Progress in Polymer Science</i> , 2013, 38, 1504-1542.	11.8	992
3096	Polymer Nanocomposites - Materials for Sensor Technology. <i>Materials Science Forum</i> , 0, 757, 197-216.	0.3	2
3097	Polymer-immobilized nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 43-68.	2.3	84
3098	Biobased plastics and bionanocomposites: Current status and future opportunities. <i>Progress in Polymer Science</i> , 2013, 38, 1653-1689.	11.8	866
3099	Introduction to Clay-Polymer Nanocomposites (CPN). <i>Developments in Clay Science</i> , 2013, , 655-677.	0.3	42
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3103	Precisely Tuning the Clay Spacing in Nanobrick Wall Gas Barrier Thin Films. <i>Chemistry of Materials</i> , 2013, 25, 1649-1655.	3.2	54
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3106	Graphene nanoplatelets as poly(lactic acid) modifier: linear rheological behavior and electrical conductivity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8253.	5.2	125
3107	Selective dispersion of different organoclays in styrene butadiene rubber in the presence of a compatibilizer. <i>Materials & Design</i> , 2013, 49, 857-865.	5.1	18
3108	Polymer Nanocomposites Containing 4,4'-Methylene bis(3-chloro-2,6-diethylaniline) and N,N'-Bis-(Pyromellitoyl)-bis-L-phenylalanine Diacid Reinforced with Modified ZnO and Organo-Montmorillonite. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 674-682.	1.9	11

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3111	Barrier properties of corn zein nanocomposite coated polypropylene films for food packaging applications. <i>Journal of Food Engineering</i> , 2013, 114, 505-513.	2.7	111
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3114	Effect of organic modification on the intercalation and the properties of poly(phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 392-415.	2.6	6
3115	The Layered Silicate, Montmorillonite (MMT) as a Drug Delivery Carrier. <i>Key Engineering Materials</i> , 0, 571, 111-132.	0.4	21
3116	Preparation of urea formaldehyde resin/layered silicate nanocomposites. <i>Pigment and Resin Technology</i> , 2013, 42, 283-287.	0.5	15
3117	Effects of organically modified nanoclay on cellular morphology, tensile properties, and dimensional stability of flexible polyurethane foams. <i>Journal of Nanostructure in Chemistry</i> , 2013, 3, 1.	5.3	29
3118	Synthetic biopolymer/layered silicate nanocomposites for tissue engineering scaffolds. , 2013, , 548-581.		3
3119	Thermal and dielectric properties of clay/epoxy nanocomposites with low percentage of graphite oxide. , 2013, , .		1
3120	Preparation and characterisation of polyamide 11/montmorillonite (MMT) nanocomposites for use in angioplasty balloon applications. <i>Materials Chemistry and Physics</i> , 2013, 143, 336-348.	2.0	34
3121	Molecular dynamics studies of polyurethane nanocomposite hydrogels. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2179-2186.	1.2	7
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3129	Uniaxial and biaxial impact behavior of double-gated nanoclay-reinforced polypropylene injection moldings. <i>Polymer Engineering and Science</i> , 2013, 53, 724-733.	1.5	7
3130	Effect of Nanoclay Reinforcement on the Friction Braking Performance of Hybrid Phenolic Friction Composites. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 796-805.	1.2	32
3131	Effect of Layered Double Hydroxides on the Mechanical, Thermal, and Fire Properties of Poly(methyl Methacrylate)/Overlock 10 TFS	0.8	12
3132	A new liquid rubber-assisted dispersion of organoclay in carbon black filled carboxylated acrylonitrile-butadiene rubber matrix. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2414-2423.	1.3	5
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3134	Freezing/thawing effects on the exfoliation of montmorillonite in gelatin-based bionanocomposite. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3141-3148.	1.3	25
3135	Morphology and mechanical properties of heterophasic PP-EP/EVA/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3473-3479.	1.3	6
3136	Crystallization kinetics and morphology of melt spun poly(ethylene terephthalate) nanocomposite fibers. <i>EXPRESS Polymer Letters</i> , 2013, 7, 821-831.	1.1	11
3137	Molecular Dynamics of Poly(Ethylene Glycol) Intercalated in Clay, Studied Using ¹³ C Solid-State NMR. <i>Materials</i> , 2013, 6, 47-64.	1.3	6
3138	Effect of Empty Fruit Bunch (EFB) Fiber on Mechanical Properties of HDPE/EVA/MMT/EFB Nanohybrid Biocomposite. <i>Key Engineering Materials</i> , 0, 594-595, 618-623.	0.4	0
3139	Nanoclay Gel for Poly(lactic Acid)/Clay Nanocomposite. <i>Advanced Materials Research</i> , 0, 747, 63-66.	0.3	0
3140	Ultrasonication Technique: A Method for Dispersing Nanoclay in Wood Adhesives. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	1.5	66
3141	Preparation and Characterization of Guar-Montmorillonite Nanocomposites. <i>Materials</i> , 2013, 6, 5199-5216.	1.3	30
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3143	Plastics additives and green chemistry. <i>Pure and Applied Chemistry</i> , 2013, 85, 1611-1624.	0.9	42
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3148	Study on the Structure and Properties of the Low Melting Point of Nylon 6 Modified by Organic Montmorillonite. <i>Applied Mechanics and Materials</i> , 2013, 423-426, 301-306.	0.2	1
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3150	Influence of the Dimensions of the Mesh of the Fiber Grid Reinforcement of Composite Materials. <i>Key Engineering Materials</i> , 2013, 550, 9-16.	0.4	0
3151	Investigations on clay dispersion in polypropylene/clay nanocomposites using rheological and microscopic analysis. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4464-4473.	1.3	6
3152	Synthesis, Characterization and Mechanism of Benzamide Intercalated Kaolinite by Replacement Method. <i>Applied Mechanics and Materials</i> , 0, 420, 222-229.	0.2	1
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3156	Fabrication and Characterization of Flexible Organic Light Emitting Diodes Based on Transparent Flexible Clay Substrates. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 03BC02.	0.8	1
3157	Preparation and Characterization of Nano Particle Reinforced Polyactides Composite. <i>Journal of Nano Research</i> , 0, 25, 128-136.	0.8	6
3158	Preparation of flexible epoxy/clay nanocomposites: effect of preparation method, clay modifier and matrix ductility. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 183-196.	1.6	22
3159	Characterization of Layered Double Hydroxide Modified with Sodium Dodecyl Sulfate and its Dispersion in Polyethylene. <i>Key Engineering Materials</i> , 2013, 591, 138-141.	0.4	1
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3164	Polymers in Food Packaging and Protection. , 2013, , 293-347.		8
3165	Effect of Concentrated ENR on ENR/Si Masterbatch. <i>Advanced Materials Research</i> , 0, 832, 832-837.	0.3	0
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3167	Characterization Copper (II) Chloride Modified Montmorillonite filled PLA Nanocomposites. <i>Advanced Materials Research</i> , 2013, 858, 13-18.	0.3	0
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3169	A Review on Polymer/Kaolinite Nanocomposites. <i>Advanced Materials Research</i> , 2013, 750-752, 213-216.	0.3	2
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3173	Polyolefin Layered Silicates Nanocomposites – A Review. <i>Key Engineering Materials</i> , 0, 594-595, 671-675.	0.4	7
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3176	Preparation and Properties of Low Density Polyethylene Film Modified by Zeolite and Nanoclay. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1611-1620.	1.9	12
3177	Application of the taguchi approach to investigate the effects of clay content and saponification parameters on the tensile properties of poly(vinyl alcohol)/clay nanocomposites. <i>Journal of Vinyl and Additive Technology</i> , 2013, 19, 276-284.	1.8	14
3178	Online ultrasonic film casting of LLDPE and LLDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 263-275.	1.3	21
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3187	Effect of nanoclay on thickness swelling behavior in the extrusion foaming of wood flour/polyethylene composites. Journal of Thermoplastic Composite Materials, 2013, 26, 1303-1316.	2.6	3
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3192	Fire properties of silylated zirconium phosphate composites based on polystyrene. Polymers for Advanced Technologies, 2013, 24, 646-652.	1.6	10
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3196	Effects of montmorillonite on the structure and properties of gelatin-polyethylene glycol composite fibers. Journal of Applied Polymer Science, 2013, 129, 773-778.	1.3	9
3198	Effect of borax addition on the structural modification of bentonite in biodegradable alginate-based biocomposites. Journal of Applied Polymer Science, 2013, 128, 4172-4180.	1.3	16
3199	<i>In Situ</i> preparation of resin/clay nanocomposites. Journal of Applied Polymer Science, 2013, 129, 2966-2976.	1.3	10
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