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Experimental trends in polymer nanocompositesa review

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#	Paper	IF	Citations
957	Characterization of Zr Phosphate/PVDF Nanocomposites by Vibrational Spectroscopy. <b>2005</b> , 230, 95-10	4	12
956	Nanocomposites: softer at the boundary. <b>2005</b> , 4, 651-2		55
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954	Polyethylene/MMT nanocomposites prepared by in situ polymerization using supported catalyst systems. <b>2005</b> , 6, 457-462		48
953	Characterization of Polymer Nanocomposite Interphase and Its Impact on Mechanical Properties. <b>2006</b> , 39, 6565-6573		300
952	Nano-composite Fibers Based on Poly(p-benzamide)-Montmorillonite. <b>2006</b> , 234, 33-41		5
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949	New magnetic materials based on cobalt and iron-containing nanoparicles. <b>2006</b> , 37, 413-417		16
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947	The influence of silicate-based nano-filler on the fracture toughness of epoxy resin. <b>2006</b> , 73, 2336-234.	5	52
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643	Nano-fillers to tune Youngâl modulus of silicone matrix. <b>2013</b> , 15, 1  Polymer Nanocomposites as a New Trend for Packaging Applications. <b>2013</b> , 52, 635-660		14
642	Polymer Nanocomposites as a New Trend for Packaging Applications. <b>2013</b> , 52, 635-660  Influence of silica and coupling agent loading on thermal, morphological and mechanical properties		157
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642 641 640	Polymer Nanocomposites as a New Trend for Packaging Applications. 2013, 52, 635-660  Influence of silica and coupling agent loading on thermal, morphological and mechanical properties of hybrid membranes. 2013, 70, 2305-2317  Incorporation of silver-loaded ZnO rods into electrospun nylon-6 spider-web-like nanofibrous mat using hydrothermal process. 2013, 434, 49-55  Influence of shape and surface modification of nanoparticle on the rheological and	2.9	157 2 11
642 641 640	Polymer Nanocomposites as a New Trend for Packaging Applications. 2013, 52, 635-660  Influence of silica and coupling agent loading on thermal, morphological and mechanical properties of hybrid membranes. 2013, 70, 2305-2317  Incorporation of silver-loaded ZnO rods into electrospun nylon-6 spider-web-like nanofibrous mat using hydrothermal process. 2013, 434, 49-55  Influence of shape and surface modification of nanoparticle on the rheological and dynamic-mechanical properties of polyamide 6 nanocomposites. 2013, 53, 1512-1528  Effect of ZnO type and concentration on the mophology, thermal, and mechanical properties of	2.9	157 2 11 21
642 641 640 639	Polymer Nanocomposites as a New Trend for Packaging Applications. 2013, 52, 635-660  Influence of silica and coupling agent loading on thermal, morphological and mechanical properties of hybrid membranes. 2013, 70, 2305-2317  Incorporation of silver-loaded ZnO rods into electrospun nylon-6 spider-web-like nanofibrous mat using hydrothermal process. 2013, 434, 49-55  Influence of shape and surface modification of nanoparticle on the rheological and dynamic-mechanical properties of polyamide 6 nanocomposites. 2013, 53, 1512-1528  Effect of ZnO type and concentration on the mophology, thermal, and mechanical properties of poly(ether ester)/ZnO composites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3417-3424  Preparation of highly dispersed expanded graphite/polypropylene nanocomposites via low		157 2 11 21 7

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