Miguel A LÃ³pez Manchado

List of Publications by Year
in descending order

165 papers	11,019 citations	31976 53 h-index	32842 100 g-index
168 all docs	168 docs citations	168 times ranked	11042 citing authors

#	Article	IF	Citations
1	Unravelling the effect of healing conditions and vulcanizing additives on the healing performance of rubber networks. Polymer, 2022, 238, 124399.	3.8	19
2	The Final Frontier of Sustainable Materials: Current Developments in Self-Healing Elastomers. International Journal of Molecular Sciences, 2022, 23, 4757.	4.1	17
3	Synthesis of sustainable, lightweight and electrically conductive polymer brushes grafted multi-layer graphene oxide. Polymer Testing, 2021, 93, 106986.	4.8	16
4	On the Use of Mechano-Chemically Modified Ground Tire Rubber (GTR) as Recycled and Sustainable Filler in Styrene-Butadiene Rubber (SBR) Composites. Journal of Composites Science, 2021, 5, 68.	3.0	33
5	Sustainable mobility: The route of tires through the circular economy model. Waste Management, 2021, 126, 309-322.	7.4	59
6	Interrelationship between feeding profiles and chains composition-morphology-mechanical properties for forced composition copolymers synthesized by redox initiation. Journal of Polymer Research, 2021, 28, 1.	2.4	0
7	Effect of filler content on scratch behavior and tribological performance of polyester/graphene oxide nanocomposite coating. Journal of Coatings Technology Research, 2021, 18, 1269-1280.	2.5	2
8	Understanding the Molecular Dynamics of Dual Crosslinked Networks by Dielectric Spectroscopy. Polymers, 2021, 13, 3234.	4.5	16
9	Effect of terbium(III) species on the structure and physical properties of polyurethane (TPU). Polymer, 2021, 233, 124209.	3.8	4
10	Use of Novel Non-Toxic Bismuth Catalyst for the Preparation of Flexible Polyurethane Foam. Polymers, 2021, 13, 4460.	4.5	2
11	Conductive elastomer engineering in extreme environments. , 2020, , 235-255.		0
12	Preparation and Characterization of Highly Elastic Foams with Enhanced Electromagnetic Wave Absorption Based On Ethylene-Propylene-Diene-Monomer Rubber Filled with Barium Titanate/Multiwall Carbon Nanotube Hybrid. Polymers, 2020, 12, 2278.	4.5	10
13	An effective and sustainable approach for achieving self-healing in nitrile rubber. European Polymer Journal, 2020, 139, 110032.	5.4	52
14	Evolution of self-healing elastomers, from extrinsic to combined intrinsic mechanisms: a review. Materials Horizons, 2020, 7, 2882-2902.	12.2	225
15	Multifunctional metal-free rechargeable polymer composite nanoparticles boosted by CO2. Materials Today Sustainability, 2020, 10, 100048.	4.1	0
16	Structure, thermal and mechanical properties of poly (Îµ-caprolactone)/organomodified clay bionanocomposites prepared in open air by in situ polymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 865-875.	2.2	6
17	SEBS-Grafted Itaconic Acid as Compatibilizer for Elastomer Nanocomposites Based on BaTiO3 Particles. Polymers, 2020, 12, 643.	4.5	9
18	Design of Rubber Composites with Autonomous Self-Healing Capability. ACS Omega, 2020, 5, 1902-1910.	3.5	65

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19	Dielectric Properties of All-Organic Coatings: Comparison of PEDOT and PANI in Epoxy Matrices. Journal of Composites Science, 2020, 4, 26.	3.0	2
20	In-situ cure monitoring of epoxy/graphene nanocomposites by several spectroscopic techniques. Polymer Testing, 2019, 80, 106114.	4.8	11
21	HDPE/Chitosan Composites Modified with PE-g-MA. Thermal, Morphological and Antibacterial Analysis. Polymers, 2019, 11, 1559.	4.5	16
22	Structural characterization and thermal degradation of poly(methylmethacrylate)/zinc oxide nanocomposites. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 189-196.	2.2	12
23	Removal of Surfactant from Nanocomposites Films Based on Thermally Reduced Graphene Oxide and Natural Rubber. Journal of Composites Science, 2019, 3, 31.	3.0	6
24	Transport Properties of One-Step Compression Molded Epoxy Nanocomposite Foams. Polymers, 2019, 11, 756.	4.5	5
25	Thermo-reversible crosslinked natural rubber: A Diels-Alder route for reuse and self-healing properties in elastomers. Polymer, 2019, 175, 15-24.	3.8	82
26	Multifunctional Silicone Rubber Nanocomposites by Controlling the Structure and Morphology of Graphene Material. Polymers, 2019, 11, 449.	4.5	25
27	Electro-mechanical actuation performance of SEBS/PU blends. Polymer, 2019, 171, 25-33.	3.8	27
28	Preparation and Mechanical Properties of Graphene/Carbon Fiber-Reinforced Hierarchical Polymer Composites. Journal of Composites Science, 2019, 3, 30.	3.0	39
29	Giving a Second Opportunity to Tire Waste: An Alternative Path for the Development of Sustainable Self-Healing Styreneâ€“Butadiene Rubber Compounds Overcoming the Magic Triangle of Tires. Polymers, 2019, 11, 2122.	4.5	41
30	A Methodology Towards Mechanical Properties Optimization of Three-Component Polymers by the Gradual Variation of Feed Composition in Semi-Continuous Emulsion-Free Radical Polymerization. Polymers, 2019, 11, 2125.	4.5	2
31	Synergistic icephobic behaviour of swollen nitrile butadiene rubber graphene and/or carbon nanotube composites. Composites Part B: Engineering, 2019, 166, 352-360.	12.0	14
32	Synthesis of fluorinated graphene oxide by using an easy one-pot deoxyfluorination reaction. Journal of Colloid and Interface Science, 2018, 524, 219-226.	9.4	32
33	Nitrile butadiene rubber composites reinforced with reduced graphene oxide and carbon nanotubes show superior mechanical, electrical and icephobic properties. Composites Science and Technology, 2018, 166, 109-114.	7.8	51
34	Main structural features of graphene materials controlling the transport properties of epoxy resin-based composites. European Polymer Journal, 2018, 101, 56-65.	5.4	16
35	A comparative study on the mechanical, electrical and piezoresistive properties of polymer composites using carbon nanostructures of different topology. European Polymer Journal, 2018, 99, 394-402.	5.4	35
36	Epoxy Nanocomposites Filled with Carbon Nanoparticles. Chemical Record, 2018, 18, 928-939.	5.8	22

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37	Rubber Nanocomposites for Extreme Environments: Critics and Counterintuitive Solutions. Frontiers in Materials, 2018, 5, .	2.4	3
38	Design of a new generation of sustainable SBR compounds with good trade-off between mechanical properties and self-healing ability. European Polymer Journal, 2018, 106, 273-283.	5.4	37
39	Customizing thermally-reduced graphene oxides for electrically conductive or mechanical reinforced epoxy nanocomposites. European Polymer Journal, 2017, 93, 1-7.	5.4	24
40	Facile and Scalable One-Step Method for Amination of Graphene Using Leuckart Reaction. Chemistry of Materials, 2017, 29, 6698-6705.	6.7	41
41	Development of conductive paraffin/graphene films laminated on fluoroelastomers with high strain recovery and anti-corrosive properties. Composites Science and Technology, 2017, 149, 254-261.	7.8	11
42	Influence of the morphology of carbon nanostructures on theÂpiezoresistivity of hybrid natural rubber nanocomposites. Composites Part B: Engineering, 2017, 109, 147-154.	12.0	44
43	In Vitro Evaluation of Biocompatibility of Uncoated Thermally Reduced Graphene and Carbon Nanotube-Loaded PVDF Membranes with Adult Neural Stem Cell-Derived Neurons and Glia. Frontiers in Bioengineering and Biotechnology, 2016, 4, 94.	4.1	29
44	Effect of entanglements in the microstructure of cured NR/SBR blends prepared by solution and mixing in a two-roll mill. European Polymer Journal, 2016, 81, 365-375.	5.4	33
45	Synergistic effect of lactic acid oligomers and laminar graphene sheets on the barrier properties of polylactide nanocomposites obtained by the in situ polymerization preâ€incorporation method. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
46	Synergistic effect of graphene nanoplatelets and carbon black in multifunctional EPDM nanocomposites. Composites Science and Technology, 2016, 128, 123-130.	7.8	78
47	Thermally reduced graphene is a permissive material for neurons and astrocytes and de novo neurogenesis in the adult olfactory bulb inÂvivo. Biomaterials, 2016, 82, 84-93.	11.4	42
48	Effect of the morphology of thermally reduced graphite oxide on the mechanical and electrical properties of natural rubber nanocomposites. Composites Part B: Engineering, 2016, 87, 350-356.	12.0	75
49	Epoxy resin curing reaction studied by proton multiple-quantum NMR. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1324-1332.	2.1	21
50	On the use of ball milling to develop poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate)â€graphene nanocomposites (II)â€"Mechanical, barrier, and electrical properties. Journal of Applied Polymer Science, 2015, 132, .	2.6	15
51	Influence of the Surfactant Nature on the Occurrence of Self-Assembly between Rubber Particles and Thermally Reduced Graphite Oxide during the Preparation of Natural Rubber Nanocomposites. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	9
52	Morphology and mechanical properties of nanostructured thermoset/block copolymer blends with carbon nanoparticles. Composites Part A: Applied Science and Manufacturing, 2015, 71, 136-143.	7.6	30
53	Use of graphite oxide and/or thermally reduced graphite oxide for the removal of dyes from water. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 312, 88-95.	3.9	11
54	Influence of the vulcanization system on the dynamics and structure of natural rubber: Comparative study by means of broadband dielectric spectroscopy and solid-state NMR spectroscopy. European Polymer Journal, 2015, 68, 90-103.	5.4	51

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55	On the use of ball milling to develop PHBVâ€“graphene nanocomposites (I)â€”Morphology, thermal properties, and thermal stability. Journal of Applied Polymer Science, 2015, 132, .	2.6	17
56	Increasing the performance of dielectric elastomer actuators: A review from the materials perspective. Progress in Polymer Science, 2015, 51, 188-211.	24.7	369
57	Gold-functionalized graphene as conductive filler in UV-curable epoxy resin. Journal of Materials Science, 2015, 50, 605-610.	3.7	21
58	SYNERGIC EFFECT OF TWO INORGANIC FILLERS ON THE MECHANICAL AND THERMAL PROPERTIES OF HYBRID POLYPROPYLENE COMPOSITES. Journal of the Chilean Chemical Society, 2014, 59, 2468-2473.	1.2	12
59	Semiconductive bionanocomposites of poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyhexanoate) and MWCNTs for neural growth applications. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 349-360.	2.1	4
60	Bismuth complex catalysts for the in situ preparation of polycaprolactone/silicate bionanocomposites. Polymer International, 2014, 63, 709-717.	3.1	8
61	Influence of carbon nanoparticles on the polymerization and EMI shielding properties of PU nanocomposite foams. RSC Advances, 2014, 4, 7911.	3.6	59
62	Effect of carbon nanofillers on flexible polyurethane foaming from a chemical and physical perspective. RSC Advances, 2014, 4, 20761.	3.6	21
63	High performance natural rubber/thermally reduced graphite oxide nanocomposites by latex technology. Composites Part B: Engineering, 2014, 67, 449-454.	12.0	58
64	Quantitative mapping of mechanical properties in polylactic acid/natural rubber/organoclay bionanocomposites as revealed by nanoindentation with atomic force microscopy. Composites Science and Technology, 2014, 104, 34-39.	7.8	43
65	Pyroshock testing on graphene based EPDM nanocomposites. Composites Part B: Engineering, 2014, 60, 479-484.	12.0	21
66	Thermal and bio-disintegration properties of poly(lactic acid)/natural rubber/organoclay nanocomposites. Applied Clay Science, 2014, 93-94, 78-84.	5.2	24
67	Effect of mesogenic organic salts on vulcanization and physical properties of rubber compounds. Polymer International, 2014, 63, 136-144.	3.1	5
68	Graphene materials with different structures prepared from the same graphite by the Hummers and Brodie methods. Carbon, 2013, 65, 156-164.	10.3	345
69	Poly(lactic acid)/natural rubber/cellulose nanocrystal bionanocomposites. Part II: Properties evaluation. Carbohydrate Polymers, 2013, 96, 621-627.	10.2	94
70	Poly(lactic acid)/natural rubber/cellulose nanocrystal bionanocomposites Part I. Processing and morphology. Carbohydrate Polymers, 2013, 96, 611-620.	10.2	104
71	The role of carbon nanotubes in both physical and chemical liquidâ€“solid transition of polydimethylsiloxane. European Polymer Journal, 2013, 49, 1373-1380.	5.4	9
72	Structure and Segmental Dynamics Relationship in Natural Rubber/Layered Silicate Nanocomposites during Uniaxial Deformation. Macromolecules, 2013, 46, 3176-3182.	4.8	16

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73	Comparison of filler percolation and mechanical properties in graphene and carbon nanotubes filled epoxy nanocomposites. European Polymer Journal, 2013, 49, 1347-1353.	5.4	236
74	Multifunctional nanostructured PLA materials for packaging and tissue engineering. Progress in Polymer Science, 2013, 38, 1720-1747.	24.7	527
75	Graphene oxideâ€“epoxy hybrid material as innovative photocatalyst. Journal of Materials Science, 2013, 48, 5204-5208.	3.7	12
76	Effect of Mesogenic Organic Salts on Vulcanization and Physical Properties of Natural Rubber Compounds. Materials Research Society Symposia Proceedings, 2012, 1483, 9.	0.1	0
77	Towards materials with enhanced electro-mechanical response: CaCu3Ti4O12â€“polydimethylsiloxane composites. Journal of Materials Chemistry, 2012, 22, 24705.	6.7	72
78	Deformation mechanisms in polylactic acid/natural rubber/organoclay bionanocomposites as revealed by synchrotron X-ray scattering. Soft Matter, 2012, 8, 8990.	2.7	51
79	Overall performance of natural rubber/graphene nanocomposites. Composites Science and Technology, 2012, 73, 40-46.	7.8	195
80	Effect of hard segment content and carbon-based nanostructures on the kinetics of flexible polyurethane nanocomposite foams. Polymer, 2012, 53, 4025-4032.	3.8	23
81	Role of Vulcanizing Additives on the Segmental Dynamics of Natural Rubber. Macromolecules, 2012, 45, 1070-1075.	4.8	54
82	Comparing the effect of carbon-based nanofillers on the physical properties of flexible polyurethane foams. Journal of Materials Science, 2012, 47, 5673-5679.	3.7	50
83	Physicochemical properties of organoclay filled polylactic acid/natural rubber blend bionanocomposites. Composites Science and Technology, 2012, 72, 305-313.	7.8	112
84	Cationic photocured epoxy nanocomposites filled with different carbon fillers. Polymer, 2012, 53, 1831-1838.	3.8	58
85	Effects of Strain-Induced Crystallization on the Segmental Dynamics of Vulcanized Natural Rubber. Macromolecules, 2011, 44, 6574-6580.	4.8	49
86	Reactive Nanocomposite Foams. Frontiers in Forests and Global Change, 2011, 30, 45-62.	1.1	19
87	Epoxy-Graphene UV-cured nanocomposites. Polymer, 2011, 52, 4664-4669.	3.8	142
88	Modification of carbon nanotubes with well-controlled fluorescent styrene-based polymers using the Dielsâ€“Alder reaction. Polymer, 2011, 52, 5739-5745.	3.8	15
89	Structure and properties of polylactide/natural rubber blends. Materials Chemistry and Physics, 2011, 129, 823-831.	4.0	228
90	Functionalised graphene sheets as effective high dielectric constant fillers. Nanoscale Research Letters, 2011, 6, 508.	5.7	107

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91	Thermal conductivity of carbon nanotubes and graphene in epoxy nanofluids and nanocomposites. Nanoscale Research Letters, 2011, 6, 610.	5.7	99
92	Graphene filled polymer nanocomposites. Journal of Materials Chemistry, 2011, 21, 3301-3310.	6.7	666
93	In situ Foaming Evolution of Flexible Polyurethane Foam Nanocomposites. Macromolecular Chemistry and Physics, 2011, 212, 971-979.	2.2	53
94	Recent Advances in Clay/Polymer Nanocomposites. Advanced Materials, 2011, 23, 5229-5236.	21.0	262
95	Electrodeposition of transparent and conducting graphene/carbon nanotube thin films. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2461-2466.	1.8	58
96	Novel Experimental Approach To Evaluate Fillerâ^'Elastomer Interactions. Macromolecules, 2010, 43, 334-346.	4.8	163
97	Use of butylamine modified graphene sheets in polymer solar cells. Journal of Materials Chemistry, 2010, 20, 995-1000.	6.7	99
98	Molecular dynamics of natural rubber as revealed by dielectric spectroscopy: The role of natural crossâ€“linking. Soft Matter, 2010, 6, 3636.	2.7	47
99	Morphology and Photoelectrical Properties of Solution Processable Butylamine-Modified Graphene- and Pyrene-Based Organic Semiconductor. Journal of Physical Chemistry C, 2010, 114, 11252-11257.	3.1	17
100	Molecular Dynamics of Natural Rubber/Layered Silicate Nanocomposites As Studied by Dielectric Relaxation Spectroscopy. Macromolecules, 2010, 43, 643-651.	4.8	94
101	Effects of functionalized carbon nanotubes in peroxide crosslinking of diene elastomers. European Polymer Journal, 2009, 45, 1017-1023.	5.4	21
102	Confinement of Functionalized Graphene Sheets by Triblock Copolymers. Journal of Physical Chemistry C, 2009, 113, 17973-17978.	3.1	38
103	Phosphonium salt intercalated montmorillonites. Applied Clay Science, 2009, 43, 27-32.	5.2	44
104	Plasma Fluorination of Chemically Derived Graphene Sheets and Subsequent Modification With Butylamine. Chemistry of Materials, 2009, 21, 3433-3438.	6.7	151
105	Fluid dynamics of evolving foams. Physical Chemistry Chemical Physics, 2009, 11, 10860.	2.8	27
106	Miscibilityâ€“dispersion, interfacial strength and nanoclay mobility relationships in polymer nanocomposites. Soft Matter, 2009, 5, 3481.	2.7	21
107	The Development of Proton Conducting Polymer Membranes for Fuel Cells Using Sulfonated Carbon Nanofibres. Macromolecular Rapid Communications, 2008, 29, 234-238.	3.9	16
108	Sulfonation of vulcanized ethyleneâ€“propyleneâ€“diene terpolymer membranes. Acta Materialia, 2008, 56, 4780-4788.	7.9	13

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109	Effect of montmorillonite intercalant structure on the cure parameters of natural rubber. European Polymer Journal, 2008, 44, 3108-3115.	5.4	55
110	Physical properties of silicone foams filled with carbon nanotubes and functionalized graphene sheets. European Polymer Journal, 2008, 44, 2790-2797.	5.4	118
111	Natural rubber/clay nanocomposites: Influence of poly(ethylene glycol) on the silicate dispersion and local chain order of rubber network. European Polymer Journal, 2008, 44, 3493-3500.	5.4	44
112	Carbon nanotubes provide self-extinguishing grade to silicone-based foams. Journal of Materials Chemistry, 2008, 18, 3933.	6.7	73
113	Effect of Nanoclay on Natural Rubber Microstructure. Macromolecules, 2008, 41, 6763-6772.	4.8	144
114	Functionalized graphene sheet filled silicone foam nanocomposites. Journal of Materials Chemistry, 2008, 18, 2221.	6.7	330
115	Real-Time Crystallization of Organoclay Nanoparticle Filled Natural Rubber under Stretching. Macromolecules, 2008, 41, 2295-2298.	4.8	61
116	Thermoplastic Olefin/Clay Nanocomposites. Effect of Matrix Composition, and Organoclay and Compatibilizer Structure on Morphology/Properties Relationships. Journal of Nanoscience and Nanotechnology, 2007, 7, 4456-4464.	0.9	11
117	Millable Polyurethane/Organoclay Nanocomposites: Preparation, Characterization, and Properties. Journal of Nanoscience and Nanotechnology, 2007, 7, 634-640.	0.9	8
118	Novel anhydrous unfolded structure by heating of acid pre-treated sepiolite. Applied Clay Science, 2007, 36, 245-255.	5.2	69
119	Morphology/behaviour relationship of nanocomposites based on natural rubber/epoxidized natural rubber blends. Composites Science and Technology, 2007, 67, 1330-1339.	7.8	167
120	Degree of functionalization of carbon nanofibers with benzenesulfonic groups in an acid medium. Carbon, 2007, 45, 1669-1678.	10.3	43
121	Gas transport properties of polypropylene/clay composite membranes. European Polymer Journal, 2007, 43, 1132-1143.	5.4	118
122	Rubber network in elastomer nanocomposites. European Polymer Journal, 2007, 43, 4143-4150.	5.4	75
123	Poly(2,6-dimethyl-1,4-phenylene oxide) mixed matrix pervaporation membranes. Desalination, 2006, 200, 376-378.	8.2	4
124	Characterization of the reactivity of a silica derived from acid activation of sepiolite with silane by 29Si and 13C solid-state NMR. Journal of Colloid and Interface Science, 2006, 298, 794-804.	9.4	31
125	Relevant Features of Bentonite Modification with a Phosphonium Salt. Journal of Nanoscience and Nanotechnology, 2006, 6, 2151-2154.	0.9	19
126	Influence of Reaction Parameters on Size and Shape of Silica Nanoparticles. Journal of Nanoscience and Nanotechnology, 2006, 6, 3343-3346.	0.9	24

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127	Melt grafting of itaconic acid and its derivatives onto an ethylene-propylene copolymer. Reactive and Functional Polymers, 2005, 64, 169-178.	4.1	20
128	Filled poly(2,6-dimethyl-1,4-phenylene oxide) dense membranes by silica and silane modified silica nanoparticles: characterization and application in pervaporation. Polymer, 2005, 46, 9881-9891.	3.8	85
129	Thermal and mechanical properties of single-walled carbon nanotubesâ€“polypropylene composites prepared by melt processing. Carbon, 2005, 43, 1499-1505.	10.3	586
130	Preparation and Characterization of Thermoplastic Vulcanizates-Organoclay Nanocomposites. Materials Science Forum, 2005, 480-481, 333-338.	0.3	2
131	Chain Order and Cross-Link Density of Elastomers As Investigated by Proton Multiple-Quantum NMR. Macromolecules, 2005, 38, 9650-9660.	4.8	125
132	Chemical Shift-Related Artifacts in NMR Determinations of Proton Residual Dipolar Couplings in Elastomers. Macromolecules, 2005, 38, 4040-4042.	4.8	24
133	Mechanical properties of polypropylene matrix composites reinforced with natural fibers: A statistical approach. Polymer Composites, 2004, 25, 26-36.	4.6	74
134	Effects of carbon nanotubes on the crystallization behavior of polypropylene. Polymer Engineering and Science, 2004, 44, 303-311.	3.1	102
135	Cure characteristics, mechanical properties, and morphological studies of linoleum flour-filled NBR compounds. Polymer Engineering and Science, 2004, 44, 909-916.	3.1	12
136	Organoclayâ€“natural rubber nanocomposites synthesized by mechanical and solution mixing methods. Polymer International, 2004, 53, 1766-1772.	3.1	125
137	Behavior of poly(ethylene-co-olefin) polymers as elastomeric materials. Journal of Applied Polymer Science, 2004, 92, 3008-3015.	2.6	13
138	Dynamic mechanical and Raman spectroscopy studies on interaction between single-walled carbon nanotubes and natural rubber. Journal of Applied Polymer Science, 2004, 92, 3394-3400.	2.6	134
139	Novel Approach of Evaluating Polymer Nanocomposite Structure by Measurements of the Freezing-Point Depression. Macromolecular Rapid Communications, 2004, 25, 1309-1313.	3.9	32
140	Use of Monomethyl Itaconate Grafted Poly(propylene)(PP) and Ethylene Propylene Rubber(EPR) as Compatibilizers for PP/EPR Blends. Macromolecular Materials and Engineering, 2003, 288, 875-885.	3.6	18
141	Vulcanization kinetics of natural rubber-organoclay nanocomposites. Journal of Applied Polymer Science, 2003, 89, 1-15.	2.6	202
142	Physical and mechanical behavior of single-walled carbon nanotube/polypropylene/ethylene-propylene-diene rubber nanocomposites. Journal of Applied Polymer Science, 2003, 89, 2657-2663.	2.6	132
143	Effect of monomethyl itaconate-grafted HDPE and EPR on the compatibility and properties of HDPE-EPR blends. Journal of Applied Polymer Science, 2003, 89, 2239-2248.	2.6	9
144	Enhancement of mechanical properties and interfacial adhesion of PP/EPDM/flax fiber composites using maleic anhydride as a compatibilizer. Journal of Applied Polymer Science, 2003, 90, 2170-2178.	2.6	96

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145	Organo-montmorillonite as substitute of carbon black in natural rubber compounds. Polymer, 2003, 44, 2447-2453.	3.8	622
146	Preparation and characterization of organoclay nanocomposites based on natural rubber. Polymer International, 2003, 52, 1070-1077.	3.1	132
147	Ternary composites based on PP-EPDM blends reinforced with flax fibers. Part I: Processing and thermal behavior. Polymer Engineering and Science, 2003, 43, 1018-1030.	3.1	12
148	Ternary composites based on PP-EPDM blends reinforced with flax fibers. Part II: Mechanical properties/morphology relationship. Polymer Engineering and Science, 2003, 43, 1031-1043.	3.1	14
149	Optimisation of nanocomposites based on polypropylene/polyethylene blends and organo-bentonite. Journal of Materials Chemistry, 2003, 13, 2915-2921.	6.7	21
150	Comparative Study of the Effects of Different Fibers on the Processing and Properties of Polypropylene Matrix Composites. Journal of Thermoplastic Composite Materials, 2002, 15, 337-353.	4.2	20
151	Analysis of the effects of the polymerization route of ethylene-propylene-diene rubbers (EPDM) on the properties of polypropylene-EPDM blends. Journal of Applied Polymer Science, 2002, 85, 25-37.	2.6	5
152	Short fibers as reinforcement of rubber compounds. Polymer Composites, 2002, 23, 666-673.	4.6	38
153	Comparative study of the effects of different fibers on the processing and properties of ternary composites based on PP-EPDM blends. Polymer Composites, 2002, 23, 779-789.	4.6	42
154	Rheological behavior and processability of polypropylene blends with rubber ethylene propylene diene terpolymer. Journal of Applied Polymer Science, 2001, 81, 1-10.	2.6	44
155	Kinetic crystallization of polypropylene in ternary composites based on fiber-reinforced PP-EPDM blends. Journal of Applied Polymer Science, 2001, 81, 1063-1074.	2.6	10
156	Effect of Grafted PP on the Properties of Thermoplastic Elastomers Based on PP-EPDM Blends. Macromolecular Chemistry and Physics, 2001, 202, 1909-1916.	2.2	14
157	Effect of the incorporation of pet fibers on the properties of thermoplastic elastomer based on PP/elastomer blends. Polymer, 2001, 42, 6557-6563.	3.8	33
158	Effects of reinforcing fibers on the crystallization of polypropylene. Polymer Engineering and Science, 2000, 40, 2194-2204.	3.1	83
159	Polypropylene Crystallization in an Ethylene-propylene-diene Rubber Matrix. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 61, 437-450.	1.4	23
160	Effect of interface on the morphology and properties of composites comprising poly(propylene) and short organic fibers. Angewandte Makromolekulare Chemie, 1999, 265, 20-24.	0.2	7
161	Processing, properties and morphology of polypropyleneâ€epdm blends. Macromolecular Symposia, 1999, 148, 345-360.	0.7	11
162	Crystallization kinetics of polypropylene: 1. Effect of small additions of low-density polyethylene. Polymer, 1996, 37, 5681-5688.	3.8	73

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163	PP/LDPE blends filled with short polyamide fibers. Angewandte Makromolekulare Chemie, 1995, 226, 129-141.	0.2	8
164	Impact Behaviour of Modified Talc Filled PP/LDPE Blends. Journal of Polymer Engineering, 1995, 14, .	1.4	3
165	Effects of Orientation on the Segmental Dynamics of Natural Rubber. Materials Science Forum, 0, 714, 57-61.	0.3	1