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	Graphene filled polymer nanocomposites. Journal of Materials Chemistry, 2011, 21, 3301-3310.	6.7	666
2	Organo-montmorillonite as substitute of carbon black in natural rubber compounds. Polymer, 2003, 44, 2447-2453.	3.8	622
3	Thermal and mechanical properties of single-walled carbon nanotubesâ€“polypropylene composites prepared by melt processing. Carbon, 2005, 43, 1499-1505.	10.3	586
4	Multifunctional nanostructured PLA materials for packaging and tissue engineering. Progress in Polymer Science, 2013, 38, 1720-1747.	24.7	527
5	Increasing the performance of dielectric elastomer actuators: A review from the materials perspective. Progress in Polymer Science, 2015, 51, 188-211.	24.7	369
6	Graphene materials with different structures prepared from the same graphite by the Hummers and Brodie methods. Carbon, 2013, 65, 156-164.	10.3	345
7	Functionalized graphene sheet filled silicone foam nanocomposites. Journal of Materials Chemistry, 2008, 18, 2221.	6.7	330
8	Recent Advances in Clay/Polymer Nanocomposites. Advanced Materials, 2011, 23, 5229-5236.	21.0	262
9	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
10	Structure and properties of polylactide/natural rubber blends. Materials Chemistry and Physics, 2011, 129, 823-831.	4.0	228
11	Evolution of self-healing elastomers, from extrinsic to combined intrinsic mechanisms: a review. Materials Horizons, 2020, 7, 2882-2902.	12.2	225
12	Vulcanization kinetics of natural rubber-organoclay nanocomposites. Journal of Applied Polymer Science, 2003, 89, 1-15.	2.6	202
13	Overall performance of natural rubber/graphene nanocomposites. Composites Science and Technology, 2012, 73, 40-46.	7.8	195
14	Morphology/behaviour relationship of nanocomposites based on natural rubber/epoxidized natural rubber blends. Composites Science and Technology, 2007, 67, 1330-1339.	7.8	167
15	Novel Experimental Approach To Evaluate Fillerâ^'Elastomer Interactions. Macromolecules, 2010, 43, 334-346.	4.8	163
16	Plasma Fluorination of Chemically Derived Graphene Sheets and Subsequent Modification With Butylamine. Chemistry of Materials, 2009, 21, 3433-3438.	6.7	151
17	Effect of Nanoclay on Natural Rubber Microstructure. Macromolecules, 2008, 41, 6763-6772.	4.8	144
18	Epoxy-Graphene UV-cured nanocomposites. Polymer, 2011, 52, 4664-4669.	3.8	142

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19	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
20	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
21	Preparation and characterization of organoclay nanocomposites based on natural rubber. Polymer International, 2003, 52, 1070-1077.	3.1	132
22	Organoclayâ€“natural rubber nanocomposites synthesized by mechanical and solution mixing methods. Polymer International, 2004, 53, 1766-1772.	3.1	125
23	Chain Order and Cross-Link Density of Elastomers As Investigated by Proton Multiple-Quantum NMR. Macromolecules, 2005, 38, 9650-9660.	4.8	125
24	Gas transport properties of polypropylene/clay composite membranes. European Polymer Journal, 2007, 43, 1132-1143.	5.4	118
25	Physical properties of silicone foams filled with carbon nanotubes and functionalized graphene sheets. European Polymer Journal, 2008, 44, 2790-2797.	5.4	118
26	Physicochemical properties of organoclay filled polylactic acid/natural rubber blend bionanocomposites. Composites Science and Technology, 2012, 72, 305-313.	7.8	112
27	Functionalised graphene sheets as effective high dielectric constant fillers. Nanoscale Research Letters, 2011, 6, 508.	5.7	107
28	Poly(lactic acid)/natural rubber/cellulose nanocrystal bionanocomposites Part I. Processing and morphology. Carbohydrate Polymers, 2013, 96, 611-620.	10.2	104
29	Effects of carbon nanotubes on the crystallization behavior of polypropylene. Polymer Engineering and Science, 2004, 44, 303-311.	3.1	102
30	Use of butylamine modified graphene sheets in polymer solar cells. Journal of Materials Chemistry, 2010, 20, 995-1000.	6.7	99
31	Thermal conductivity of carbon nanotubes and graphene in epoxy nanofluids and nanocomposites. Nanoscale Research Letters, 2011, 6, 610.	5.7	99
32	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
33	Molecular Dynamics of Natural Rubber/Layered Silicate Nanocomposites As Studied by Dielectric Relaxation Spectroscopy. Macromolecules, 2010, 43, 643-651.	4.8	94
34	Poly(lactic acid)/natural rubber/cellulose nanocrystal bionanocomposites. Part II: Properties evaluation. Carbohydrate Polymers, 2013, 96, 621-627.	10.2	94
35	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
36	Effects of reinforcing fibers on the crystallization of polypropylene. Polymer Engineering and Science, 2000, 40, 2194-2204.	3.1	83

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37	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
38	Synergistic effect of graphene nanoplatelets and carbon black in multifunctional EPDM nanocomposites. Composites Science and Technology, 2016, 128, 123-130.	7.8	78
39	Rubber network in elastomer nanocomposites. European Polymer Journal, 2007, 43, 4143-4150.	5.4	75
40	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
41	Mechanical properties of polypropylene matrix composites reinforced with natural fibers: A statistical approach. Polymer Composites, 2004, 25, 26-36.	4.6	74
42	Crystallization kinetics of polypropylene: 1. Effect of small additions of low-density polyethylene. Polymer, 1996, 37, 5681-5688.	3.8	73
43	Carbon nanotubes provide self-extinguishing grade to silicone-based foams. Journal of Materials Chemistry, 2008, 18, 3933.	6.7	73
44	Towards materials with enhanced electro-mechanical response: CaCu3Ti4O12â€“polydimethylsiloxane composites. Journal of Materials Chemistry, 2012, 22, 24705.	6.7	72
45	Novel anhydrous unfolded structure by heating of acid pre-treated sepiolite. Applied Clay Science, 2007, 36, 245-255.	5.2	69
46	Design of Rubber Composites with Autonomous Self-Healing Capability. ACS Omega, 2020, 5, 1902-1910.	3.5	65
47	Real-Time Crystallization of Organoclay Nanoparticle Filled Natural Rubber under Stretching. Macromolecules, 2008, 41, 2295-2298.	4.8	61
48	Influence of carbon nanoparticles on the polymerization and EMI shielding properties of PU nanocomposite foams. RSC Advances, 2014, 4, 7911.	3.6	59
49	Sustainable mobility: The route of tires through the circular economy model. Waste Management, 2021, 126, 309-322.	7.4	59
50	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
51	Cationic photocured epoxy nanocomposites filled with different carbon fillers. Polymer, 2012, 53, 1831-1838.	3.8	58
52	High performance natural rubber/thermally reduced graphite oxide nanocomposites by latex technology. Composites Part B: Engineering, 2014, 67, 449-454.	12.0	58
53	Effect of montmorillonite intercalant structure on the cure parameters of natural rubber. European Polymer Journal, 2008, 44, 3108-3115.	5.4	55
54	Role of Vulcanizing Additives on the Segmental Dynamics of Natural Rubber. Macromolecules, 2012, 45, 1070-1075.	4.8	54

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55	In situ Foaming Evolution of Flexible Polyurethane Foam Nanocomposites. Macromolecular Chemistry and Physics, 2011, 212, 971-979.	2.2	53
56	An effective and sustainable approach for achieving self-healing in nitrile rubber. European Polymer Journal, 2020, 139, 110032.	5.4	52
57	Deformation mechanisms in polylactic acid/natural rubber/organoclay bionanocomposites as revealed by synchrotron X-ray scattering. Soft Matter, 2012, 8, 8990.	2.7	51
58	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
59	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
60	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
61	Effects of Strain-Induced Crystallization on the Segmental Dynamics of Vulcanized Natural Rubber. Macromolecules, 2011, 44, 6574-6580.	4.8	49
62	Molecular dynamics of natural rubber as revealed by dielectric spectroscopy: The role of natural crossâ€“linking. Soft Matter, 2010, 6, 3636.	2.7	47
63	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
64	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
65	Phosphonium salt intercalated montmorillonites. Applied Clay Science, 2009, 43, 27-32.	5.2	44
66	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
67	Degree of functionalization of carbon nanofibers with benzenesulfonic groups in an acid medium. Carbon, 2007, 45, 1669-1678.	10.3	43
68	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
69	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
70	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
71	Facile and Scalable One-Step Method for Amination of Graphene Using Leuckart Reaction. Chemistry of Materials, 2017, 29, 6698-6705.	6.7	41
72	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

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73	Preparation and Mechanical Properties of Graphene/Carbon Fiber-Reinforced Hierarchical Polymer Composites. Journal of Composites Science, 2019, 3, 30.	3.0	39
74	Short fibers as reinforcement of rubber compounds. Polymer Composites, 2002, 23, 666-673.	4.6	38
75	Confinement of Functionalized Graphene Sheets by Triblock Copolymers. Journal of Physical Chemistry C, 2009, 113, 17973-17978.	3.1	38
76	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
77	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
78	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
79	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
80	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
81	Novel Approach of Evaluating Polymer Nanocomposite Structure by Measurements of the Freezing-Point Depression. Macromolecular Rapid Communications, 2004, 25, 1309-1313.	3.9	32
82	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
83	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
84	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
85	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
86	Fluid dynamics of evolving foams. Physical Chemistry Chemical Physics, 2009, 11, 10860.	2.8	27
87	Electro-mechanical actuation performance of SEBS/PU blends. Polymer, 2019, 171, 25-33.	3.8	27
88	Multifunctional Silicone Rubber Nanocomposites by Controlling the Structure and Morphology of Graphene Material. Polymers, 2019, 11, 449.	4.5	25
89	Chemical Shift-Related Artifacts in NMR Determinations of Proton Residual Dipolar Couplings in Elastomers. Macromolecules, 2005, 38, 4040-4042.	4.8	24
90	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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91	Thermal and bio-disintegration properties of poly(lactic acid)/natural rubber/organoclay nanocomposites. Applied Clay Science, 2014, 93-94, 78-84.	5.2	24
92	Customizing thermally-reduced graphene oxides for electrically conductive or mechanical reinforced epoxy nanocomposites. European Polymer Journal, 2017, 93, 1-7.	5.4	24
93	Polypropylene Crystallization in an Ethylene-propylene-diene Rubber Matrix. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 61, 437-450.	1.4	23
94	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
95	Epoxy Nanocomposites Filled with Carbon Nanoparticles. Chemical Record, 2018, 18, 928-939.	5.8	22
96	Optimisation of nanocomposites based on polypropylene/polyethylene blends and organo-bentonite. Journal of Materials Chemistry, 2003, 13, 2915-2921.	6.7	21
97	Effects of functionalized carbon nanotubes in peroxide crosslinking of diene elastomers. European Polymer Journal, 2009, 45, 1017-1023.	5.4	21
98	Miscibilityâ€“dispersion, interfacial strength and nanoclay mobility relationships in polymer nanocomposites. Soft Matter, 2009, 5, 3481.	2.7	21
99	Effect of carbon nanofillers on flexible polyurethane foaming from a chemical and physical perspective. RSC Advances, 2014, 4, 20761.	3.6	21
100	Pyroshock testing on graphene based EPDM nanocomposites. Composites Part B: Engineering, 2014, 60, 479-484.	12.0	21
101	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
102	Gold-functionalized graphene as conductive filler in UV-curable epoxy resin. Journal of Materials Science, 2015, 50, 605-610.	3.7	21
103	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
104	Melt grafting of itaconic acid and its derivatives onto an ethylene-propylene copolymer. Reactive and Functional Polymers, 2005, 64, 169-178.	4.1	20
105	Relevant Features of Bentonite Modification with a Phosphonium Salt. Journal of Nanoscience and Nanotechnology, 2006, 6, 2151-2154.	0.9	19
106	Reactive Nanocomposite Foams. Frontiers in Forests and Global Change, 2011, 30, 45-62.	1.1	19
107	Unravelling the effect of healing conditions and vulcanizing additives on the healing performance of rubber networks. Polymer, 2022, 238, 124399.	3.8	19
108	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

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109	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
110	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
111	The Final Frontier of Sustainable Materials: Current Developments in Self-Healing Elastomers. International Journal of Molecular Sciences, 2022, 23, 4757.	4.1	17
112	The Development of Proton Conducting Polymer Membranes for Fuel Cells Using Sulfonated Carbon Nanofibres. Macromolecular Rapid Communications, 2008, 29, 234-238.	3.9	16
113	Structure and Segmental Dynamics Relationship in Natural Rubber/Layered Silicate Nanocomposites during Uniaxial Deformation. Macromolecules, 2013, 46, 3176-3182.	4.8	16
114	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
115	HDPE/Chitosan Composites Modified with PE-g-MA. Thermal, Morphological and Antibacterial Analysis. Polymers, 2019, 11, 1559.	4.5	16
116	Synthesis of sustainable, lightweight and electrically conductive polymer brushes grafted multi-layer graphene oxide. Polymer Testing, 2021, 93, 106986.	4.8	16
117	Understanding the Molecular Dynamics of Dual Crosslinked Networks by Dielectric Spectroscopy. Polymers, 2021, 13, 3234.	4.5	16
118	Modification of carbon nanotubes with well-controlled fluorescent styrene-based polymers using the Dielsâ€“Alder reaction. Polymer, 2011, 52, 5739-5745.	3.8	15
119	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
120	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
121	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
122	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
123	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
124	Behavior of poly(ethylene-co-olefin) polymers as elastomeric materials. Journal of Applied Polymer Science, 2004, 92, 3008-3015.	2.6	13
125	Sulfonation of vulcanized ethyleneâ€“propyleneâ€“diene terpolymer membranes. Acta Materialia, 2008, 56, 4780-4788.	7.9	13
126	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

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127	Cure characteristics, mechanical properties, and morphological studies of linoleum flour-filled NBR compounds. Polymer Engineering and Science, 2004, 44, 909-916.	3.1	12
128	Graphene oxideâ€“epoxy hybrid material as innovative photocatalyst. Journal of Materials Science, 2013, 48, 5204-5208.	3.7	12
129	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
130	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
131	Processing, properties and morphology of polypropyleneâ€epdm blends. Macromolecular Symposia, 1999, 148, 345-360.	0.7	11
132	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
133	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
134	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
135	In-situ cure monitoring of epoxy/graphene nanocomposites by several spectroscopic techniques. Polymer Testing, 2019, 80, 106114.	4.8	11
136	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
137	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
138	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
139	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
140	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
141	SEBS-Grafted Itaconic Acid as Compatibilizer for Elastomer Nanocomposites Based on BaTiO3 Particles. Polymers, 2020, 12, 643.	4.5	9
142	PP/LDPE blends filled with short polyamide fibers. Angewandte Makromolekulare Chemie, 1995, 226, 129-141.	0.2	8
143	Millable Polyurethane/Organoclay Nanocomposites: Preparation, Characterization, and Properties. Journal of Nanoscience and Nanotechnology, 2007, 7, 634-640.	0.9	8
144	Bismuth complex catalysts for the in situ preparation of polycaprolactone/silicate bionanocomposites. Polymer International, 2014, 63, 709-717.	3.1	8

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145	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
146	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
147	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
148	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
149	Effect of mesogenic organic salts on vulcanization and physical properties of rubber compounds. Polymer International, 2014, 63, 136-144.	3.1	5
150	Transport Properties of One-Step Compression Molded Epoxy Nanocomposite Foams. Polymers, 2019, 11, 756.	4.5	5
151	Poly(2,6-dimethyl-1,4-phenylene oxide) mixed matrix pervaporation membranes. Desalination, 2006, 200, 376-378.	8.2	4
152	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
153	Effect of terbium(III) species on the structure and physical properties of polyurethane (TPU). Polymer, 2021, 233, 124209.	3.8	4
154	Impact Behaviour of Modified Talc Filled PP/LDPE Blends. Journal of Polymer Engineering, 1995, 14, .	1.4	3
155	Rubber Nanocomposites for Extreme Environments: Critics and Counterintuitive Solutions. Frontiers in Materials, 2018, 5, .	2.4	3
156	Preparation and Characterization of Thermoplastic Vulcanizates-Organoclay Nanocomposites. Materials Science Forum, 2005, 480-481, 333-338.	0.3	2
157	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
158	Dielectric Properties of All-Organic Coatings: Comparison of PEDOT and PANI in Epoxy Matrices. Journal of Composites Science, 2020, 4, 26.	3.0	2
159	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
160	Use of Novel Non-Toxic Bismuth Catalyst for the Preparation of Flexible Polyurethane Foam. Polymers, 2021, 13, 4460.	4.5	2
161	Effects of Orientation on the Segmental Dynamics of Natural Rubber. Materials Science Forum, 0, 714, 57-61.	0.3	1
162	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

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163	Conductive elastomer engineering in extreme environments. , 2020, , 235-255.		0
164	Multifunctional metal-free rechargeable polymer composite nanoparticles boosted by CO2. Materials Today Sustainability, 2020, 10, 100048.	4.1	0
165	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