Yong Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/813206/publications.pdf

Version: 2024-02-01

145 papers	4,588 citations	101384 36 h-index	123241 61 g-index
145 all docs	145 docs citations	145 times ranked	4387 citing authors

#	Article	IF	Citations
1	Green Approach To Prepare Graphene-Based Composites with High Microwave Absorption Capacity. Journal of Physical Chemistry C, 2011, 115, 11673-11677.	1.5	314
2	Toughening modification of PLLA/PBS blends via in situ compatibilization. Polymer Engineering and Science, 2009, 49, 26-33.	1.5	242
3	Reinforcement of hydrogenated carboxylated nitrileâ€“butadiene rubber with exfoliated graphene oxide. Carbon, 2011, 49, 1608-1613.	5.4	164
4	Toughening of PHBV/PBS and PHB/PBS Blends via In situ Compatibilization Using Dicumyl Peroxide as a Freeâ€Radical Grafting Initiator. Macromolecular Materials and Engineering, 2012, 297, 402-410.	1.7	140
5	Brittleâ€“ductile transition of PP/POE blends in both impact and high speed tensile tests. Polymer, 2003, 44, 5047-5052.	1.8	139
6	Reinforcement effect of poly(butylene succinate) (PBS)-grafted cellulose nanocrystal on toughened PBS/polylactic acid blends. Carbohydrate Polymers, 2016, 140, 374-382.	5.1	111
7	Reinforcement of EPDM byin situ prepared zinc dimethacrylate. Journal of Applied Polymer Science, 2002, 84, 1339-1345.	1.3	100
8	Effect of different carbon fillers on the properties of PP composites: Comparison of carbon black with multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2006, 102, 4823-4830.	1.3	99
9	Influence of the clay modification and compatibilizer on the structure and mechanical properties of ethylene-propylene-diene rubber/montmorillonite composites. Journal of Applied Polymer Science, 2004, 92, 638-646.	1.3	94
10	Vertically aligned silicon carbide nanowires/reduced graphene oxide networks for enhancing the thermal conductivity of silicone rubber composites. Composites Part A: Applied Science and Manufacturing, 2020, 133, 105873.	3.8	87
11	Stretchable conductor based on carbon nanotube/carbon black silicone rubber nanocomposites with highly mechanical, electrical properties and strain sensitivity. Composites Part B: Engineering, 2020, 191, 107979.	5.9	86
12	Carbon nanotube/reduced graphene oxide hybrid for simultaneously enhancing the thermal conductivity and mechanical properties of styrene -butadiene rubber. Carbon, 2017, 123, 158-167.	5.4	85
13	Morphology and electrical properties of polyamide 6/polypropylene/multi-walled carbon nanotubes composites. Composites Science and Technology, 2009, 69, 2212-2217.	3.8	80
14	Mechanical, thermal and degradation properties of poly(d,l-lactide)/poly(hydroxybutyrate-co-hydroxyvalerate)/poly(ethylene glycol) blend. Polymer Degradation and Stability, 2008, 93, 1364-1369.	2.7	75
15	Isothermal crystallization kinetics of polypropylene with silane functionalized multi-walled carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1616-1624.	2.4	73
16	Morphology, rheological behavior, and thermal stability of PLA/PBSA/POSS composites. Journal of Applied Polymer Science, 2009, 113, 3095-3102.	1.3	73
17	Bioinspired Graphene Oxide/Polymer Nanocomposite Paper with High Strength, Toughness, and Dielectric Constant. ACS Applied Materials & Interfaces, 2016, 8, 31264-31272.	4.0	72
18	Reinforcement of hydrogenated carboxylated nitrileâ€“butadiene rubber by multi-walled carbon nanotubes. Applied Surface Science, 2008, 255, 2162-2166.	3.1	68

#	Article	IF	Citations
19	Biobased Poly(lactide)/ethylene-co-vinyl Acetate Thermoplastic Vulcanizates: Morphology Evolution, Superior Properties, and Partial Degradability. ACS Sustainable Chemistry and Engineering, 2015, 3, 2211-2219.	3.2	68
20	High thermal conductivity and stretchability of layer-by-layer assembled silicone rubber/graphene nanosheets multilayered films. Composites Part A: Applied Science and Manufacturing, 2018, 105, 1-8.	3.8	67
21	Reinforcement of styreneâ€“butadieneâ€“styrene tri-block copolymer by multi-walled carbon nanotubes via melt mixing. Carbon, 2007, 45, 2621-2627.	5.4	66
22	Magnetic aligned Fe3O4-reduced graphene oxide/waterborne polyurethane composites with controllable structure for high microwave absorption capacity. Carbon, 2019, 152, 661-670.	5.4	65
23	Effect of partial crosslinking on morphology and properties of the poly(Î²-hydroxybutyrate)/poly(d,l-lactic acid) blends. Polymer Degradation and Stability, 2013, 98, 1549-1555.	2.7	62
24	A green approach to preparing hydrophobic, electrically conductive textiles based on waterborne polyurethane for electromagnetic interference shielding with low reflectivity. Chemical Engineering Journal, 2021, 421, 127749.	6.6	59
25	Structure and properties of surface-acetylated cellulose nanocrystal/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502	1.7	56
26	EPDM/polyamide TPV compatibilized by chlorinated polyethylene. Polymer Testing, 2003, 22, 9-16.	2.3	51
27	Electrical properties and conductive mechanisms of immiscible polypropylene/Novolac blends filled with carbon black. European Polymer Journal, 2007, 43, 5097-5106.	2.6	51
28	Bio-based poly(lactide)/ethylene-co-vinyl acetate thermoplastic vulcanizates by dynamic crosslinking: structure vs. property. RSC Advances, 2015, 5, 15962-15968.	1.7	46
29	Electromagnetic characteristic and microwave absorbing performance of different carbon-based hydrogenated acrylonitrileâ€“butadiene rubber composites. Materials Chemistry and Physics, 2012, 133, 176-181.	2.0	45
30	Improving the filler dispersion of polychloroprene/carboxylated multi-walled carbon nanotubes composites by non-covalent functionalization of carboxylated ionic liquid. Composites Science and Technology, 2016, 123, 171-178.	3.8	45
31	Enhanced mechanical and thermal properties of SBR composites by introducing graphene oxide nanosheets decorated with silica particles. Composites Part A: Applied Science and Manufacturing, 2017, 102, 236-242.	3.8	44
32	A facile route to fabricate thermally conductive and electrically insulating polymer composites with 3D interconnected graphene at an ultralow filler loading. Nanoscale, 2019, 11, 15234-15244.	2.8	44
33	Enhancement of thermal conductivity and mechanical properties of silicone rubber composites by using acrylate grafted siloxane copolymers. Chemical Engineering Journal, 2020, 391, 123476.	6.6	42
34	Effects of silane coupling agents on the vulcanization characteristics of natural rubber. Journal of Applied Polymer Science, 2004, 94, 1511-1518.	1.3	41
35	Improving water resistance of waterborne polyurethane coating with high transparency and good mechanical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 124994.	2.3	41
36	Morphology, mechanical properties, and durability of poly(lactic acid) plasticized with Di(isononyl) cyclohexaneâ€1,2â€dicarboxylate. Polymer Engineering and Science, 2009, 49, 2414-2420.	1.5	39

#	Article	IF	Citations
37	Improving thermal conductivity of styrene-butadiene rubber composites by incorporating mesoporous silica@solvothermal reduced graphene oxide hybrid nanosheets with low graphene content. Composites Science and Technology, 2017, 150, 174-180.	3.8	36
38	Effect of magnesium methacrylate on the mechanical properties of EVM vulcanizate. Polymer Testing, 2002, 21, 889-895.	2.3	35
39	An investigation into synergistic effects of rare earth oxides on intumescent flame retardancy of polypropylene/poly (octyleneâ€coâ€ethylene) blends. Polymers for Advanced Technologies, 2011, 22, 1414-1421.	1.6	35
40	Effect of silicon dioxide on crystallization and melting behavior of polypropylene. Journal of Applied Polymer Science, 2006, 100, 1889-1898.	1.3	34
41	Thermal degradation behavior of styreneâ€butadieneâ€styrene triâ€block copolymer/multiwalled carbon nanotubes composites. Journal of Applied Polymer Science, 2009, 112, 524-531.	1.3	33
42	Poly(butylene succinate -co- butylene adipate)/cellulose nanocrystal composites modified with phthalic anhydride. Carbohydrate Polymers, 2015, 134, 52-59.	5.1	33
43	Reinforcement of peroxide-cured styrene-butadiene rubber vulcanizates by mathacrylic acid and magnesium oxide. Journal of Applied Polymer Science, 2002, 85, 2667-2676.	1.3	32
44	Synergistic effect of vermiculite on the intumescent flame retardance of polypropylene. Journal of Applied Polymer Science, 2011, 120, 1225-1233.	1.3	32
45	Processing thermal stability and degradation kinetics of poly(vinyl chloride)/montmorillonite composites. Journal of Applied Polymer Science, 2004, 92, 1521-1526.	1.3	31
46	Reinforcement effect of MAA on nano-CaCo3-filled EPDM vulcanizates and possible mechanism. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1226-1236.	2.4	31
47	Conducting and stretchable composites using sandwiched graphene-carbon nanotube hybrids and styrene-butadiene rubber. Carbon, 2019, 149, 181-189.	5.4	31
48	Thermal conductivity enhancement of alumina/silicone rubber composites through constructing a thermally conductive 3D framework. Polymer Bulletin, 2020, 77, 2139-2153.	1.7	30
49	Preparation and performance of graphene/carbon black silicone rubber composites used for highly sensitive and flexible strain sensors. Sensors and Actuators A: Physical, 2021, 323, 112659.	2.0	30
50	Effects of interfacial adhesion on properties of polypropylene/Wollastonite composites. Journal of Applied Polymer Science, 2008, 107, 1718-1723.	1.3	29
51	Effect of ethylene-acrylic acid copolymer on flame retardancy and properties of LLDPE/EAA/MH composites. Polymer Degradation and Stability, 2011, 96, 2215-2220.	2.7	29
52	Enhanced microwave absorbing performance of hydrogenated acrylonitrileâ€“butadiene rubber/multi-walled carbon nanotube composites by in situ prepared rare earth acrylates. Composites Science and Technology, 2012, 72, 696-701.	3.8	29
53	In situ preparation of magnesium methacrylate to reinforce NBR. Journal of Applied Polymer Science, 2002, 84, 1403-1408.	1.3	28
54	Thermal stability, flame retardancy and rheological behavior of ABS filled with magnesium hydroxide sulfate hydrate whisker. Polymer Bulletin, 2007, 58, 747-755.	1.7	28

#	Article	IF	Citations
55	Mechanical properties of high-density polyethylene/scrap rubber powder composites modified with ethylene-propylene-diene terpolymer, dicumyl peroxide, and silicone oil. Journal of Applied Polymer Science, 2003, 88, 2020-2027.	1.3	26
56	Blends of poly(2,6â€dimethylâ€1,4â€phenylene oxide)/polyamide 6 toughened by maleated polystyreneâ€based copolymers: Mechanical properties, morphology, and rheology. Journal of Applied Polymer Science, 2010, 115, 3385-3392.	1.3	26
57	Selectively cross-linked poly (lactide)/ethylene-glycidyl methacrylate-vinyl acetate thermoplastic elastomers with partial dual-continuous network-like structures and shape memory performances. European Polymer Journal, 2016, 84, 1-12.	2.6	26
58	Crosslink network evolution of BIIR/EPDM blends during peroxide vulcanization. Polymer Testing, 2017, 59, 253-261.	2.3	26
59	Metallic Methacrylate as a Reactive Filler to Reinforce Ethylene-Propylene-Diene Rubber. Polymers and Polymer Composites, 2001, 9, 275-282.	1.0	21
60	Properties of EVM vulcanizates reinforced byin situ prepared sodium methacrylate. Journal of Applied Polymer Science, 2003, 89, 2192-2200.	1.3	21
61	Fracture behavior of PVC/Blendex/nano-CaCO3 composites. Journal of Applied Polymer Science, 2005, 95, 953-961.	1.3	21
62	Rheological properties of PDMS filled with CaCo3: The effect of filler particle size and concentration. Journal of Applied Polymer Science, 2006, 101, 3395-3401.	1.3	21
63	Morphology, mechanical properties, and thermal stability of poly(<scp>L</scp>â€lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4 Science, 2009, 113, 3630-3637.	1.3	21
64	Thermal conductivity of micro/nano filler filled polymeric composites. RSC Advances, 2013, 3, 6417.	1.7	21
65	Structure/Property Relationships of Partially Crosslinked Poly(butylene succinate). Macromolecular Materials and Engineering, 2013, 298, 910-918.	1.7	21
66	Mechanical and microwave absorbing properties of in situ prepared hydrogenated acrylonitrileâ€“butadiene rubber/rare earth acrylate composites. Composites Part B: Engineering, 2014, 56, 497-503.	5.9	21
67	Effect of octadecylamine modified graphene on thermal stability, mechanical properties and gas barrier properties of brominated butyl rubber. Macromolecular Research, 2017, 25, 270-275.	1.0	21
68	Effect of PPOâ€gâ€MA on structures and properties of PPO/PA6/short glass fiber composites. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 2188-2197.	2.4	20
69	Morphology and fracture behavior of toughening-modified poly(vinyl chloride)/organophilic montmorillonite composites. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 286-295.	2.4	19
70	Morphology and mechanical properties of ethyleneâ€vinyl acetate rubber/polyamide thermoplastic elastomers. Journal of Applied Polymer Science, 2013, 130, 338-344.	1.3	18
71	Isothermal crystallization kinetics of PP in PP/Mg(OH)2 composites. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1914-1923.	2.4	17
72	Toughening effect of ethyleneâ€vinyl acetate rubber on nylon 1010 compatibilized by maleated ethyleneâ€vinyl acetate copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 434-444.	2.4	17

#	Article	IF	Citations
73	Study on thermally conductive ESBR vulcanizates. Polymer Bulletin, 2011, 67, 1091-1104.	1.7	17
74	Nonisothermal decomposition kinetics of nylon 1010/POSS composites. Journal of Applied Polymer Science, 2009, 113, 17-23.	1.3	16
75	Mechanical properties, flame retardancy, hotâ€air ageing, and hotâ€oil ageing resistance of ethyleneâ€vinyl acetate rubber/hydrogenated nitrileâ€butadiene rubber/magnesium hydroxide composites. Journal of Applied Polymer Science, 2009, 114, 3310-3318.	1.3	16
76	Mechanical, thermal conductive, and dielectric properties of fluoroelastomer/reduced graphene oxide composites in situ prepared by solvent thermal reduction. Polymer Composites, 2014, 35, 1779-1785.	2.3	16
77	Properties of poly(butylene terephthalate) chainâ€extended by epoxycyclohexyl polyhedral oligomeric silsesquioxane. Journal of Applied Polymer Science, 2008, 107, 825-830.	1.3	15
78	Curing reactions and properties of organicâ€“inorganic composites from hydrogenated carboxylated nitrile rubber and epoxycyclohexyl polyhedral oligomeric silsesquioxanes. Polymer International, 2011, 60, 422-429.	1.6	15
79	Effect of liquid isoprene rubber on dynamic mechanical properties of emulsionpolymerized styrene/butadiene rubber vulcanizates. Polymer International, 2012, 61, 531-538.	1.6	15
80	Effect of an interface layer on thermal conductivity of polymer composites studied by the design of double-layered and triple-layered composites. International Journal of Heat and Mass Transfer, 2019, 141, 1049-1055.	2.5	15
81	A self-healable, stretchable, tear-resistant and sticky elastomer enabled by a facile polymer blends strategy. Journal of Materials Chemistry A, 2021, 9, 3931-3939.	5.2	15
82	Fracture morphology and mechanical properties of ethylene/vinyl acetate rubber vulcanizates reinforced byin situ prepared sodium methacrylate. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1715-1724.	2.4	14
83	The grafting reaction of epoxidized natural rubber with carboxyl ionic liquids and the ionic conductivity of solid electrolyte composites. RSC Advances, 2015, 5, 90031-90040.	1.7	14
84	Preparation of high-performance natural rubber/carbon black/molybdenum disulfide composite by using the premixture of epoxidized natural rubber and cysteine-modified molybdenum disulfide. Polymer Bulletin, 2021, 78, 1213-1230.	1.7	14
85	Corn Stalk-Based Carbon Microsphere/Reduced Graphene Oxide Composite Hydrogels for High-Performance Symmetric Supercapacitors. Energy & Fuels, 2022, 36, 2268-2276.	2.5	14
86	Effect of dynamic vulcanization on properties and morphology of nylon/SAN/NBR blends: A new compatibilization method of nylon/ABS blends. Journal of Applied Polymer Science, 2003, 87, 2057-2062.	1.3	13
87	Physical properties and crystallization behavior of ethylene-vinyl acetate rubber/polyamide/graphene oxide thermoplastic elastomer nanocomposites. RSC Advances, 2013, 3, 26166.	1.7	13
88	Microwaveâ€absorbing performance and mechanical properties of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (chloride)/ac nanotubes and silicon carbide. Journal of Applied Polymer Science, 2013, 130, 345-351.	1.3	13
89	Preparation and properties of octadecylamine modified graphene oxide/styreneâ€butadiene rubber composites through an improved melt compounding method. Journal of Applied Polymer Science, 2016, 133, .	1.3	13
90	Compatibilization of poly(2,6â€dimethylâ€1,4â€phenylene oxide)/polyamide 6 blends with styreneâ€“maleic anhydride copolymer: Mechanical properties, morphology, crystallization, and melting behavior. Journal of Applied Polymer Science, 2010, 118, 3545-3551.	1.3	12

#	Article	IF	Citations
91	Nonlinear viscoelasticity and stressâ€softening behavior of chloroprene rubber reinforced by multiwalled carbon nanotubes. Polymer Composites, 2014, 35, 2194-2202.	2.3	12
92	From two-dimensional to three-dimensional structures: A superior thermal-driven actuator with switchable deformation behavior. Chemical Engineering Journal, 2019, 360, 680-685.	6.6	12
93	Graphene quantum dots interfacial-decorated hierarchical Ni/PS core/shell nanocapsules for tunable microwave absorption. Journal of Alloys and Compounds, 2020, 848, 156529.	2.8	12
94	Effect of EVM/EVAâ€gâ€MAH ratio on the structure and properties of nylon 1010 blends. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 877-887.	2.4	11
95	Thermal degradation behavior of lowâ€halogen flame retardant PC/PPFBS/PDMS. Journal of Applied Polymer Science, 2011, 119, 2730-2736.	1.3	11
96	A study on the curing kinetics of epoxycyclohexyl polyhedral oligomeric silsesquioxanes and hydrogenated carboxylated nitrile rubber by dynamic differential scanning calorimetry. Journal of Applied Polymer Science, 2012, 123, 3128-3136.	1.3	11
97	Synergistic effects of rare earth oxides on intumescent flame retardancy of Nylon 1010/ethylene-vinyl-acetate rubber thermoplastic elastomers. Journal of Polymer Research, 2015, 22, 1.	1.2	11
98	Influence of 1,2â€polybutadiene on properties of dicumyl peroxide cured brominated butyl rubber. Journal of Applied Polymer Science, 2016, 133, .	1.3	11
99	Preparation of high-performance styrene-butadiene rubber composites by the addition of a hydroxyapatite-tannic acid reduced graphene oxide hybrid. Composites Science and Technology, 2020, 200, 108406.	3.8	11
100	Graphene-Based Films: Fabrication, Interfacial Modification, and Applications. Nanomaterials, 2021, 11, 2539.	1.9	11
101	Vertically aligned carbon nanotubes/graphene/cellulose nanofiber networks for enhancing electrical conductivity and piezoresistivity of silicone rubber composites. Composites Science and Technology, 2022, 222, 109366.	3.8	11
102	Polymerization conversion and structure of magnesium methacrylate in ethylene-vinyl acetate rubber vulcanizates. Journal of Applied Polymer Science, 2004, 93, 2379-2384.	1.3	10
103	Hydrogenated carboxylated nitrile rubber/modified zinc carbonate basic composites with photoluminescence properties. European Polymer Journal, 2011, 47, 1135-1141.	2.6	10
104	Effect of Electron Beam Irradiation on the Mechanical and Thermal Properties of Ternary Polyamide Copolymer. Macromolecular Research, 2018, 26, 359-364.	1.0	10
105	Performance improvement of alumina/silicone rubber composites by adding 3â€(trimethoxysilyl)propyl methacrylate grafted siloxane copolymer. Polymer Composites, 2020, 41, 4842-4848.	2.3	10
106	Effects of boron nitride and carbon nanotube on damping properties, thermal conductivity and compression stress relaxation behavior of <scp>BIIR</scp>. Polymer Composites, 2022, 43, 1128-1135.	2.3	10
107	Polyamide 6/maleated ethyleneâ€“propyleneâ€“diene rubber/organoclay composites with or without glycidyl methacrylate as a compatibilizer. Journal of Applied Polymer Science, 2008, 110, 1870-1879.	1.3	9
108	Graphene oxide as a covalent-crosslinking agent for EVM-g-PA6 thermoplastic elastomeric nanocomposites. RSC Advances, 2015, 5, 39042-39051.	1.7	9

#	Article	IF	Citations
109	Improving thermal oxidative aging resistance and antiâ€reversion property of natural rubber by adding a crosslinking agent. Journal of Applied Polymer Science, 2022, 139, .	1.3	9
110	Characterization of polypropylene/hydrogenated styrene-isoprene-styrene block copolymer blends and fabrication of micro-pyramids via micro hot embossing of blend thin-films. RSC Advances, 2015, 5, 92212-92221.	1.7	8
111	Effects of electron beam irradiation and multi-functional monomer/co-agents on the mechanical and thermal properties of ethylene-vinyl acetate copolymer/polyamide blends. Materials Today Communications, 2020, 23, 100840.	0.9	8
112	Investigation on the fracture behavior and morphology of maleated poly(ethylene 1â€octene) toughened and glass fiberâ€reinforced nylon 1010. Journal of Applied Polymer Science, 2009, 113, 181-189.	1.3	7
113	Study on the properties of ethylene-vinyl acetate rubber vulcanizate filled with superfluous magnesium hydroxide/methacrylic acid. Journal of Applied Polymer Science, 2011, 119, 1813-1819.	1.3	7
114	Comparison of the toughening effects of different elastomers on nylon 1010. Journal of Applied Polymer Science, 2011, 121, 3340-3346.	1.3	7
115	Prediction of thermal conductivity of SiC-filled emulsion-polymerized styrene-butadiene rubber composites by finite element method. Journal of Reinforced Plastics and Composites, 2012, 31, 1586-1598.	1.6	7
116	Reactive processing of ethylene-vinyl acetate rubber/polyamide blends via a dynamic transesterification reaction. Polymer Bulletin, 2014, 71, 1505-1521.	1.7	7
117	Peroxide crosslinked butyl rubber composites using TEMPO and sorbates. Composites Science and Technology, 2019, 183, 107805.	3.8	7
118	Structure and properties of nylon 1010/ethylene-vinyl acetate rubber-based dynamically vulcanized thermoplastic elastomers filled with SiO₂. Polymer Engineering and Science, 2015, 55, 581-588.	1.5	6
119	Understanding of intermolecular interaction in PVDF/PTW blends: Crystallization behavior, thermal, and dynamic mechanical properties. Journal of Applied Polymer Science, 2016, 133, .	1.3	5
120	Effects of liquid polyisoprene and magnesium oxide on the mechanical properties of styreneâ€butadiene rubber/carbon nanotubes composite. Polymer Composites, 2018, 39, E765.	2.3	5
121	Enhanced thermal oxidative stability of silicone rubber by using cerium-ferric complex oxide as thermal oxidative stabilizer. E-Polymers, 2019, 19, 257-267.	1.3	5
122	Effects of crosslinking reaction and extension strain on the electrical properties of silicone rubber/carbon nanofiller composites. Journal of Applied Polymer Science, 2021, 138, 50727.	1.3	5
123	Enhanced positive temperature coefficient effect by crosslinking reaction for silicone rubber/carbon black composites with high pressure sensitivity. Journal of Applied Polymer Science, 0, , 51682.	1.3	5
124	Effect of Methacrylic Acid on the Mechanical Properties of Peroxide-Cured Sbr Vulcanizates Filled with Al(Oh)₃. Polymers and Polymer Composites, 2001, 9, 523-529.	1.0	4
125	Rheological Properties and Morphology of PC/AES Blends. Journal of Macromolecular Science - Physics, 2006, 45, 987-1004.	0.4	4
126	Compatibility and nonlinear viscoelasticity of polychloroprene/polyvinyl chloride blends with nitrile butadiene rubber as a compatibilizer. Journal of Applied Polymer Science, 2015, 132, .	1.3	4

#	Article	IF	Citations
127	A bi-directional thermal-driven actuator with conductionâ€toâ€insulation transformation behavior and its applications in overheating protection and early warning of fire. Sensors and Actuators A: Physical, 2020, 312, 112084.	2.0	4
128	Preparation and characterization of modified castor oil via photoâ€click chemistry for UV â€curable waterborne polyurethane with enhanced water resistance and low conductive percolation threshold. Journal of Applied Polymer Science, 2021, 138, 49913.	1.3	4
129	Polyamide-reinforced ethylene-propylene-diene rubber compatibilized with chlorinated polyethylene. Journal of Applied Polymer Science, 2003, 89, 1727-1736.	1.3	3
130	Microstructure, Interfacial Interactions, and Rheological Properties of PC/AES/Montmorillonite Composites. Journal of Macromolecular Science - Physics, 2006, 45, 1159-1169.	0.4	3
131	Toughening effects of ethyleneâ€“vinyl acetate copolymers with different vinyl acetate content and viscosity on nylon 1010 blends. Polymer Engineering and Science, 2009, 49, 2393-2399.	1.5	3
132	Rheological behavior of ethyleneâ€“vinyl acetate copolymer and fabrication of micropyramid arrays by rollâ€toâ€roll hot embossing on its thin films. Journal of Applied Polymer Science, 2017, 134, 45228.	1.3	3
133	Study on calcium fluoride modified graphene/brominated butyl rubber nanocomposites. Polymer Bulletin, 2017, 74, 4959-4972.	1.7	3
134	Regulation of transâ€1,4â€polyisoprene crystallinity and mechanical properties of styreneâ€butadiene rubber/transâ€1,4â€polyisoprene vulcanizate. Journal of Applied Polymer Science, 2017, 134, .	1.3	3
135	Effect of Pyrolysis Carbon Black from Waste Tire on the Mechanical Properties of SSBR/BR Blend. Macromolecular Materials and Engineering, 0, , 2100944.	1.7	3
136	Enhancements in damping properties and thermal conductivity of acrylonitrileâ€butadiene rubber by using hindered phenol modified alumina. Journal of Applied Polymer Science, 2022, 139, .	1.3	3
137	Effect of methacrylic acid on the properties of Ethyleneâ€“Vinylene acetate rubber vulcanizates reinforced by magnesium hydroxide. Journal of Applied Polymer Science, 2011, 121, 279-285.	1.3	2
138	In situ esterâ€“amide exchange reaction between polyamide 6 and ethyleneâ€vinyl acetate rubber during melt blending. Journal of Applied Polymer Science, 2014, 131, .	1.3	2
139	Study on ester-amide exchange reactions between Nylon 1010 and Ethylene-vinyl acetate rubber with different metal derivatives. Journal of Polymer Research, 2014, 21, 1.	1.2	2
140	Effect of Electron Beam Irradiation on Thermal and Mechanical Properties of Polyamide Copolymer/Multiwall Carbon Nanotube Composites. Journal of Shanghai Jiaotong University (Science), 2019, 24, 12-18.	0.5	2
141	Study on esterâ€“amide exchange reactions between Nylon 1010 and Ethyleneâ€vinyl acetate rubber. Journal of Applied Polymer Science, 2014, 131, .	1.3	1
142	Effect of electron beam irradiation on the thermal and mechanical properties of ethylene-vinyl acetate copolymer/polyamide blends. Polymers and Polymer Composites, 2021, 29, 714-723.	1.0	1
143	Effects of blending time and catalyst on the properties of nylon 1010/acrylate rubber blends. Journal of Applied Polymer Science, 2013, 130, 4587-4597.	1.3	0
144	Graft copolymerization of methyl methacrylate from brominated poly(isobutyleneâ€coâ€isoprene) via atom transfer radical polymerization. Journal of Applied Polymer Science, 2016, 133, .	1.3	0

#	Article	IF	Citations
145	Interfacial Interaction Analysis of Blends of Poly(vinylidene fluoride) and Poly(ethyleneâ€“butylacrylateâ€“glycidyl methacrylate) Compatibilized by Poly(butylene succinate): Morphologies, Rheological Behavior, and Mechanical Properties. Polymer-Plastics Technology and Engineering, 2018, 57, 206-217.	1.9	0