

# Seyed Hassan Jafari

## List of Publications by Citations

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219  
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5,471  
ext. citations

3.7  
avg, IF

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L-index

#	Paper	IF	Citations
206	A review on wound dressings with an emphasis on electrospun nanofibrous polymeric bandages. <i>Polymers for Advanced Technologies</i> , <b>2010</b> , 21, 77-95	3.2	501
205	An investigation of chemical crosslinking effect on properties of high-density polyethylene. <i>Polymer</i> , <b>2003</b> , 44, 4301-4309	3.9	242
204	Chitosan in Biomedical Engineering: A Critical Review. <i>Current Stem Cell Research and Therapy</i> , <b>2019</b> , 14, 93-116	3.6	112
203	Effect of electron-irradiation on cross-link density and crystalline structure of low- and high-density polyethylene. <i>Radiation Physics and Chemistry</i> , <b>2006</b> , 75, 78-86	2.5	108
202	Preparation and performance evaluation of tetracycline hydrochloride loaded wound dressing mats based on electrospun nanofibrous poly(lactic acid)/poly( $\epsilon$ -caprolactone) blends. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 4174-4183	2.9	105
201	Impact strength and dynamic mechanical properties correlation in elastomer-modified polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 78, 962-971	2.9	104
200	Multicomponent blends based on polyamide 6 and styrenic polymers: morphology and melt rheology. <i>Polymer</i> , <b>2002</b> , 43, 6985-6992	3.9	98
199	Experimental and theoretical analyses of mechanical properties of PP/PLA/clay nanocomposites. <i>Composites Part B: Engineering</i> , <b>2015</b> , 69, 133-144	10	92
198	Dynamic mechanical properties and morphology of polyethylene/ethylene vinyl acetate copolymer blends. <i>Advances in Polymer Technology</i> , <b>2004</b> , 23, 307-315	1.9	85
197	Investigation and Modeling of Temperature Dependence Recovery Behavior of Shape-Memory Crosslinked Polyethylene. <i>Macromolecular Theory and Simulations</i> , <b>2007</b> , 16, 43-52	1.5	66
196	Correlation of morphology and rheological response of interfacially modified PTT/m-LLDPE blends with varying extent of modification. <i>Polymer</i> , <b>2005</b> , 46, 5082-5093	3.9	65
195	Application of linear rheology in determination of nanoclay localization in PLA/EVA/Clay nanocomposites: Correlation with microstructure and thermal properties. <i>Composites Part B: Engineering</i> , <b>2016</b> , 86, 273-284	10	60
194	Rheology, Morphology and Estimation of Interfacial Tension of LDPE/EVA and HDPE/EVA Blends. <i>Polymer Bulletin</i> , <b>2005</b> , 54, 75-84	2.4	55
193	Role of nanoparticles in phase separation and final morphology of superhydrophobic polypropylene/zinc oxide nanocomposite surfaces. <i>Applied Surface Science</i> , <b>2014</b> , 293, 116-123	6.7	53
192	Tuning the processability, morphology and biodegradability of clay incorporated PLA/LLDPE blends via selective localization of nanoclay induced by melt mixing sequence. <i>EXPRESS Polymer Letters</i> , <b>2013</b> , 7, 21-39	3.4	50
191	Thermal and shrinkage behaviour of stretched peroxide-crosslinked high-density polyethylene. <i>European Polymer Journal</i> , <b>2003</b> , 39, 1729-1734	5.2	50
190	Novel nanocomposites consisting of a semi-crystalline polyamide and MgAl LDH: Morphology, thermal properties and flame retardancy. <i>Applied Clay Science</i> , <b>2014</b> , 90, 101-108	5.2	49

189	Conformational, thermal, and ionic conductivity behavior of PEO in PEO/PMMA miscible blend: Investigating the effect of lithium salt. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 1868-1874	2.9	49
188	Structural analysis of multicomponent nanoclay-containing polymer blends through simple model systems. <i>Polymer</i> , <b>2008</b> , 49, 2119-2126	3.9	49
187	Design, preparation, and characterization of fast cure epoxy/amine-functionalized graphene oxide nanocomposites. <i>Polymer Composites</i> , <b>2018</b> , 39, E2016-E2027	3	48
186	Cure Index demonstrates curing of epoxy composites containing silica nanoparticles of variable morphology and porosity. <i>Progress in Organic Coatings</i> , <b>2019</b> , 135, 176-184	4.8	47
185	In depth analysis of micro-mechanism of mechanical property alternations in PLA/EVA/clay nanocomposites: A combined theoretical and experimental approach. <i>Materials and Design</i> , <b>2015</b> , 88, 1277-1289	8.1	45
184	Morphological, rheological and thermal studies in melt processed compatibilized PA6/ABS/clay nanocomposites. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 197-205	2.7	44
183	Non-isothermal crystallization behavior of PLA/LLDPE/nanoclay hybrid: Synergistic role of LLDPE and clay. <i>Thermochimica Acta</i> , <b>2013</b> , 565, 102-113	2.9	43
182	Thermal and dynamic mechanical properties of PP/EVA nanocomposites containing organo-modified layered double hydroxides. <i>Composites Part B: Engineering</i> , <b>2016</b> , 103, 122-130	10	41
181	Crystallization and melting behavior of nanoclay-containing polypropylene/poly(trimethylene terephthalate) blends. <i>EXPRESS Polymer Letters</i> , <b>2012</b> , 6, 148-158	3.4	41
180	Fabrication of robust and thermally stable superhydrophobic nanocomposite coatings based on thermoplastic polyurethane and silica nanoparticles. <i>Applied Surface Science</i> , <b>2015</b> , 347, 224-230	6.7	39
179	An assessment of the role of morphology in thermal/thermo-oxidative degradation mechanism of PP/EVA/clay nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 859-869	4.7	39
178	Thermal and wide angle X-ray analysis of chemically and radiation-crosslinked low and high density polyethylenes. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 3264-3271	2.9	39
177	Transforming an intrinsically hydrophilic polymer to a robust self-cleaning superhydrophobic coating via carbon nanotube surface embedding. <i>Materials and Design</i> , <b>2015</b> , 86, 338-346	8.1	38
176	On the combined use of nanoparticles and a proper solvent/non-solvent system in preparation of superhydrophobic polymer coatings. <i>Polymer</i> , <b>2015</b> , 56, 358-367	3.9	38
175	Electroactive poly (p-phenylene sulfide)/r-graphene oxide/chitosan as a novel potential candidate for tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 18-24	7.9	38
174	Interfacially compatibilized LDPE/POE blends reinforced with nanoclay: investigation of morphology, rheology and dynamic mechanical properties. <i>Polymer Bulletin</i> , <b>2009</b> , 62, 255-270	2.4	38
173	Morphology, rheology and dynamic mechanical properties of PP/EVA/clay nanocomposites. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 1829-1839	2.7	37
172	Effect of transesterification products on the miscibility and phase behavior of poly(trimethylene terephthalate)/bisphenol A polycarbonate blends. <i>European Polymer Journal</i> , <b>2005</b> , 41, 2880-2886	5.2	37

171	MWNT-filled PC/ABS blends: Correlation of morphology with rheological and electrical response. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 739-748	2.9	36
170	Crystallization behavior of polypropylene in polypropylene/nylon 6 blend. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 71, 1153-1161	2.9	35
169	Enhanced hydrophobicity of polyurethane via non-solvent induced surface aggregation of silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 478, 117-26	9.3	34
168	Thermal and mechanical properties of uncrosslinked and chemically crosslinked polyethylene/ethylene vinyl acetate copolymer blends. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 3261-3270	2.9	34
167	Effect of clay modifier on morphology, thermal properties and flammability of newly synthesized poly(sulfide-sulfone-imide). <i>Applied Clay Science</i> , <b>2015</b> , 108, 70-77	5.2	32
166	On the reliability of existing theoretical models in anticipating type of morphology and domain size in HDPE/PA-6/EVOH ternary blends. <i>European Polymer Journal</i> , <b>2014</b> , 53, 1-12	5.2	32
165	On O <sub>2</sub> gas permeability of PP/PLA/clay nanocomposites: A molecular dynamic simulation approach. <i>Polymer Testing</i> , <b>2015</b> , 45, 139-151	4.5	31
164	Investigating the role of surface micro/nano structure in cell adhesion behavior of superhydrophobic polypropylene/nanosilica surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 127, 233-40	6	31
163	Enhanced ionic conductivity in PEO/PMMA glassy miscible blends: Role of nano-confinement of minority component chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 2065-2071	2.6	31
162	Thermal behavior and morphology of polyamide 6 based multicomponent blends. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 84, 2753-2759	2.9	31
161	Lap shear strength and thermal stability of diglycidyl ether of bisphenol a/epoxy novolac adhesives with nanoreinforcing fillers. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	30
160	Influence of Interfacial Activity and Micelle Formation on Rheological Behavior and Microstructure of Reactively Compatibilized PP/PET Blends. <i>Macromolecular Materials and Engineering</i> , <b>2012</b> , 297, 312-328	3.8	30
159	In vitro and in vivo evaluations of phenytoin sodium-loaded electrospun PVA, PCL, and their hybrid nanofibrous mats for use as active wound dressings. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 3147-3159	4.3	30
158	Assessment of role of morphology in gas permselectivity of membranes based on polypropylene/ethylene vinyl acetate/clay nanocomposite. <i>Journal of Membrane Science</i> , <b>2013</b> , 445, 76-87	6.6	30
157	On nanoclay localization in polypropylene/poly(ethylene terephthalate) blends: Correlation with thermal and mechanical properties. <i>Materials &amp; Design</i> , <b>2013</b> , 45, 110-117		30
156	Physical, morphological, and biological studies on PLA/nHA composite nanofibrous webs containing Equisetum arvense herbal extract for bone tissue engineering. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45343	2.9	29
155	Preparation and release properties of electrospun poly(vinyl alcohol)/poly( $\epsilon$ -caprolactone) hybrid nanofibers: Optimization of process parameters via D-optimal design method. <i>Macromolecular Research</i> , <b>2013</b> , 21, 649-659	1.9	28
154	Application of mean-field theory in PP/EVA blends by focusing on dynamic mechanical properties in correlation with miscibility analysis. <i>Composites Part B: Engineering</i> , <b>2015</b> , 79, 74-82	10	27

153	Self-cleaning behavior in polyurethane/silica coatings via formation of a hierarchical packed morphology of nanoparticles. <i>Applied Surface Science</i> , <b>2016</b> , 368, 216-223	6.7	27
152	Nonisothermal crystallization kinetics and determination of surface-folding free energy of PP/EVA/OMMT nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2009</b> , 47, 674-684	2.6	27
151	Influence of trifluoropropyl-POSS nanoparticles on the microstructure, rheological, thermal and thermomechanical properties of PLA. <i>RSC Advances</i> , <b>2016</b> , 6, 37149-37159	3.7	27
150	Large-scale exfoliation of hexagonal boron nitride with combined fast quenching and liquid exfoliation strategies. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 3162-3169	4.3	26
149	A novel method to control hydrolytic degradation of nanocomposite biocompatible materials via imparting superhydrophobicity. <i>Applied Surface Science</i> , <b>2015</b> , 357, 880-886	6.7	25
148	Glass-transition-temperature depression in chemically crosslinked low-density polyethylene and high-density polyethylene and their blends with ethylene vinyl acetate copolymer. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 1654-1660	2.9	25
147	Anticorrosion performance of electro-deposited epoxy/ amine functionalized graphene oxide nanocomposite coatings. <i>Corrosion Science</i> , <b>2021</b> , 179, 109143	6.8	25
146	Modeling and closed-loop control of particle size and initial burst of PLGA biodegradable nanoparticles for targeted drug delivery. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45145	2.9	24
145	Rheology-morphology correlation in PET/PP blends: Influence of type of compatibilizer. <i>Journal of Vinyl and Additive Technology</i> , <b>2013</b> , 19, 25-30	2	24
144	SEBS-g-MAH as a Reactive Compatibilizer Precursor for PP/PTT/SEBS Ternary Blends: Morphology and Mechanical Properties. <i>Polymer-Plastics Technology and Engineering</i> , <b>2013</b> , 52, 206-212		24
143	A study on the effects of SEBS-g-MAH on the phase morphology and mechanical properties of polypropylene/polycarbonate/SEBS ternary polymer blends. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2680-2687	2.9	24
142	Phase Morphology and Thermal Characteristics of Binary Blends Based on PTT and PA12. <i>Polymer Bulletin</i> , <b>2005</b> , 54, 205-213	2.4	24
141	Rheological, morphological and mechanical investigations on ethylene octene copolymer toughened polypropylene prepared by continuous electron induced reactive processing. <i>RSC Advances</i> , <b>2016</b> , 6, 24651-24660	3.7	24
140	Morphology Prediction in HDPE/PA-6/EVOH Ternary Blends: Defining the Role of Elasticity Ratio. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 1791-1802	2.6	23
139	Correlation of rheology and morphology and estimation of interfacial tension of immiscible COC/EVA blends. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 821-831	2.7	23
138	Effect of clay type and polymer matrix on microstructure and tensile properties of PLA/LLDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 749-758	2.9	22
137	Plasma Functionalization of MWCNTs in He Followed by NH <sub>3</sub> Treatment and its Application in PMMA Based Nanocomposites. <i>Plasma Processes and Polymers</i> , <b>2010</b> , 7, 1001-1009	3.4	22
136	Incorporation of inorganic fullerene-like WS <sub>2</sub> into poly(ethylene succinate) to prepare novel biodegradable nanocomposites: a study on isothermal and dynamic crystallization. <i>RSC Advances</i> , <b>2016</b> , 6, 4925-4935	3.7	21

135	Mechanical, rheological, and thermal behavior assessments in HDPE/PA-6/EVOH ternary blends with variable morphology. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	20
134	A comparison of effects of plasma and acid functionalizations on structure and electrical property of multi-wall carbon nanotubes. <i>Applied Surface Science</i> , <b>2014</b> , 295, 66-70	6.7	20
133	An investigation on the rheology, morphology, thermal and mechanical properties of recycled poly (ethylene terephthalate) reinforced with modified short glass fibers. <i>Polymer Composites</i> , <b>2009</b> , 30, 993-999	3.99	20
132	A combined experimental and theoretical approach to quantitative assessment of microstructure in PLA/PP/Organo-Clay nanocomposites; wide-angle x-ray scattering and rheological analysis. <i>Composites Part B: Engineering</i> , <b>2018</b> , 137, 235-246	10	20
131	Reactive Compatibilization of Ternary Polymer Blends with Core-Shell Type Morphology. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 86-98	3.9	19
130	Miscibility analysis, viscoelastic properties and morphology of cyclic olefin copolymer/polyolefin elastomer (COC/POE) blends. <i>Composites Part B: Engineering</i> , <b>2015</b> , 69, 111-119	10	19
129	An Investigation on Compatibilization Threshold in the Interface of Polypropylene/Poly(lactic Acid) Blends Using Rheological Studies. <i>Journal of Vinyl and Additive Technology</i> , <b>2016</b> , 22, 19-28	2	19
128	Functionalization of graphene nanosheets and its dispersion in PMMA/PEO blend: Thermal, electrical, morphological and rheological analyses. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 174-180	2	19
127	Toward In Situ Compatibilization of Polyolefin Ternary Blends through Morphological Manipulations. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1197-1212	3.9	19
126	Correlation of Sequence Block Lengths and Degree of Randomness with Melt Rheological Properties in PET/PEN Blends. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 272-280	3.9	19
125	Improvements of physical and mechanical properties of electron beam irradiation-crosslinked EVA foams. <i>Polymers for Advanced Technologies</i> , <b>2009</b> , 20, 487-492	3.2	19
124	Synthesis of exfoliated polyamide 6,6/organically modified montmorillonite nanocomposites by in situ interfacial polymerization. <i>Polymer Composites</i> , <b>2007</b> , 28, 733-738	3	19
123	Application of compatibilized polymer blends in biomedical fields <b>2020</b> , 511-537		19
122	Modeling and analysis of nonlinear elastoplastic behavior of compatibilized polyolefin/polyester/clay nanocomposites with emphasis on interfacial interaction exploration. <i>Composites Science and Technology</i> , <b>2018</b> , 154, 92-103	8.6	19
121	Dynamic and Transient Shear Start-Up Flow Experiments for Analyzing Nanoclay Localization in PP/PET Blends: Correlation with Microstructure. <i>Macromolecular Materials and Engineering</i> , <b>2013</b> , 298, 113-126	3.9	18
120	Surface modification of MWCNT and its influence on properties of paraffin/MWCNT nanocomposites as phase change material. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48428	2.9	17
119	A promising approach to low electrical percolation threshold in PMMA nanocomposites by using MWCNT-PEO pre-dispersions. <i>Materials and Design</i> , <b>2016</b> , 111, 253-262	8.1	17
118	Microstructure and non-isothermal crystallization behavior of PP/PLA/clay hybrid nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 121, 1321-1332	4.1	16

117	On Localization of Clay Nanoparticles in Polypropylene/poly(Lactic Acid) Blend Nanocomposites: Correlation with Mechanical Properties. <i>Journal of Macromolecular Science - Physics</i> , <b>2016</b> , 55, 344-360	1.4	16
116	Investigation of exchange reactions and rheological response of reactive blends of poly(trimethylene terephthalate) and phenoxy resin. <i>Polymer International</i> , <b>2008</b> , 57, 612-617	3.3	16
115	Compatibilizing Effects on the Phase Morphology and Thermal Properties of Polymer Blends Based on PTT and m-LLDPE. <i>Polymer Bulletin</i> , <b>2005</b> , 54, 417-426	2.4	16
114	Study on the effects of non-solvent and nanoparticle concentrations on surface properties of water-repellent biocompatible l-lactide/glycolide/trimethylene carbonate terpolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 502, 168-175	5.1	16
113	A Multioptimization Approach to Assessment of Drug Delivery of PLGA Nanoparticles: Simultaneous Control of Particle Size and Release Behavior. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2015</b> , 64, 641-652	3	15
112	A qualitative assessment of long chain branching content in LLDPE, LDPE and their blends via thermorheological analysis. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3240-3250	2.9	15
111	Influence of Graphene Oxide on Crystallization Behavior and Chain Folding Surface Free Energy of Poly(vinylidene fluoride-co-hexafluoropropylene). <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700103	2.6	15
110	Hybrid Hydrogels Based on Poly(vinyl alcohol) (PVA)/Agar/Poly(ethylene glycol) (PEG) Prepared by High Energy Electron Beam Irradiation: Investigation of Physico-Mechanical and Rheological Properties. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1600397	3.9	15
109	Investigating the effect of nanolayered silicates on blend segmental dynamics and minor component relaxation behavior in poly(ethylene oxide)/poly(methyl methacrylate) miscible blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2011</b> , 49, 318-326	2.6	15
108	Synthesis and characterization of a novel unsaturated polyester based on poly(trimethylene terephthalate). <i>Polymer</i> , <b>2006</b> , 47, 1892-1898	3.9	15
107	Description of the dynamic moduli of poly(trimethylene terephthalate)/polyamide-12 blends in molten state. <i>Polymer Engineering and Science</i> , <b>2005</b> , 45, 1401-1407	2.3	15
106	Electrically conductive biocompatible composite aerogel based on nanofibrillated template of bacterial cellulose/polyaniline/nano-clay. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 173, 467-480	7.9	15
105	Influence of Graphene Oxide on Thermally Induced Shape Memory Behavior of PLA/TPU Blends: Correlation with Morphology, Creep Behavior, Crystallinity, and Dynamic Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000576	3.9	15
104	The Taste of Waste: The Edge of Eggshell Over Calcium Carbonate in Acrylonitrile Butadiene Rubber. <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 2478-2489	4.5	14
103	An experimental and theoretical mechanistic analysis of thermal degradation of polypropylene/polylactic acid/clay nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 2695-2706	3.3	14
102	Miscibility analysis in LLDPE/LDPE blends via thermorheological analysis: Correlation with branching structure. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 1081-1088	2.3	14
101	Thermorheological behavior analysis of mLLDPE and mVLDPE: Correlation with branching structure. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 458-463	2.9	14
100	Investigating the role of transreactions on degradation behavior of phenoxy/poly(trimethylene terephthalate)/clay nanocomposites using thermal analysis techniques. <i>Thermochimica Acta</i> , <b>2010</b> , 511, 59-66	2.9	14

99	An Improved Non-Isothermal Kinetic Model for Prediction of Extent of Transesterification Reaction and Degree of Randomness in PET/PEN Blends. <i>Macromolecular Theory and Simulations</i> , <b>2008</b> , 17, 241-251 <sup>15</sup>	14
98	Mechanical properties of bamboo fiber-reinforced polymer composites: a review of recent case studies. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 3143-3167	4.3 14
97	Influence of fullerene-like tungsten disulfide (IF-WS <sub>2</sub> ) nanoparticles on thermal and dynamic mechanical properties of PP/EVA blends: Correlation with microstructure. <i>Composites Part B: Engineering</i> , <b>2017</b> , 111, 74-82	10 13
96	Correlation of morphological, dynamic mechanical, and thermal properties in compatibilized polypropylene/ethylene vinyl acetate copolymer/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 922-934	2.9 13
95	Investigation of thermal behavior and decomposition kinetic of PET/PEN blends and their clay containing nanocomposites. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 1765-1775	2.7 13
94	Kinetics of isothermal crystallization and subsequent melting behavior of PTT/PA12 blend. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 1964-1971	2.9 13
93	Fabricating an electroactive injectable hydrogel based on pluronic-chitosan/aniline-pentamer containing angiogenic factor for functional repair of the hippocampus ischemia rat model. <i>Materials Science and Engineering C</i> , <b>2020</b> , 117, 111328	8.3 13
92	Investigating the interrelationship of superhydrophobicity with surface morphology, topography and chemical composition in spray-coated polyurethane/silica nanocomposites. <i>Polymer</i> , <b>2017</b> , 128, 108-118	3.9 12
91	Polypropylene/Poly(trimethylene terephthalate) Blend Nanocomposite: A Thermal Properties Study. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 682-688	12
90	Influence of Chain Structure on Phase Behavior and Thermal Degradation of Poly(trimethylene terephthalate)/Poly(hydroxy ether) of Bisphenol-A Blends. <i>Macromolecular Materials and Engineering</i> , <b>2007</b> , 292, 1103-1110	3.9 12
89	Effect of nylon 6 inclusions on the crystalline morphology of polypropylene/nylon 6 blends. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 75, 1769-1775	2.9 12
88	Toughening of epoxy resin systems using core-shell rubber particles: a literature review. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 18345	4.3 12
87	Morphology, drug release behavior, thermal, and mechanical properties of poly(ethylene oxide) (PEO)/poly(vinyl pyrrolidone) (PVP) blends. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46403	2.9 11
86	Interface evaluation in the ternary blends of HDPE/PA-6/EVOH. <i>Polymer Bulletin</i> , <b>2014</b> , 71, 613-624	2.4 11
85	Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO <sub>2</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 106, 829-836	2.6 11
84	Linear Viscoelastic Characteristics of Poly(trimethylene terephthalate)/Polycarbonate Blends in the Melt State. <i>Macromolecular Materials and Engineering</i> , <b>2005</b> , 290, 1091-1096	3.9 11
83	Controlled-release of ferulic acid from active packaging based on LDPE/EVA blend: Experimental and modeling. <i>Food Packaging and Shelf Life</i> , <b>2019</b> , 22, 100392	8.2 10
82	Ultra-low Electrical and Rheological Percolation Thresholds in PMMA/Plasma-Functionalized CNTs Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 53, 1450-1455	10



81	Investigation of the thermal decomposition behavior and kinetic analysis of PTT/phenoxy blends. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 2924-2931	2.9	10
80	Towards Quantifying Interfacial Adhesion in the Ternary Blends with Matrix/Shell/Core-Type Morphology. <i>Polymer-Plastics Technology and Engineering</i> , <b>2015</b> , 54, 223-232		9
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