

Seyed Hassan Jafari

List of Publications by Year in descending order

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214
papers

6,364
citations

76196

40
h-index

106150

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219
all docs

219
docs citations

219
times ranked

6191
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on wound dressings with an emphasis on electrospun nanofibrous polymeric bandages. <i>Polymers for Advanced Technologies</i> , 2010, 21, 77-95.	1.6	637
2	An investigation of chemical crosslinking effect on properties of high-density polyethylene. <i>Polymer</i> , 2003, 44, 4301-4309.	1.8	296
3	Chitosan in Biomedical Engineering: A Critical Review. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 93-116.	0.6	165
4	Preparation and performance evaluation of tetracycline hydrochloride loaded wound dressing mats based on electrospun nanofibrous poly(lactic acid)/poly(ϵ -caprolactone) blends. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4174-4183.	1.3	128
5	Effect of electron-irradiation on cross-link density and crystalline structure of low- and high-density polyethylene. <i>Radiation Physics and Chemistry</i> , 2006, 75, 78-86.	1.4	119
6	Impact strength and dynamic mechanical properties correlation in elastomer-modified polypropylene. <i>Journal of Applied Polymer Science</i> , 2000, 78, 962-971.	1.3	115
7	Multicomponent blends based on polyamide 6 and styrenic polymers: morphology and melt rheology. <i>Polymer</i> , 2002, 43, 6985-6992.	1.8	107
8	Experimental and theoretical analyses of mechanical properties of PP/PLA/clay nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 69, 133-144.	5.9	104
9	Dynamic mechanical properties and morphology of polyethylene/ethylene vinyl acetate copolymer blends. <i>Advances in Polymer Technology</i> , 2004, 23, 307-315.	0.8	99
10	Impact strength and dynamic mechanical properties correlation in elastomer-modified polypropylene. , 2000, 78, 962.		85
11	Investigation and Modeling of Temperature Dependence Recovery Behavior of Shape-Memory Crosslinked Polyethylene. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 43-52.	0.6	74
12	Correlation of morphology and rheological response of interfacially modified PTT/m-LLDPE blends with varying extent of modification. <i>Polymer</i> , 2005, 46, 5082-5093.	1.8	72
13	Anticorrosion performance of electro-deposited epoxy/ amine functionalized graphene oxide nanocomposite coatings. <i>Corrosion Science</i> , 2021, 179, 109143.	3.0	70
14	Role of nanoparticles in phase separation and final morphology of superhydrophobic polypropylene/zinc oxide nanocomposite surfaces. <i>Applied Surface Science</i> , 2014, 293, 116-123.	3.1	67
15	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> , 2016, 86, 273-284.	5.9	66
16	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> , 2013, 129, 1868-1874.	1.3	65
17	A review of recent progress in improving the fracture toughness of epoxy-based composites using carbonaceous nanofillers. <i>Polymer Composites</i> , 2022, 43, 1871-1886.	2.3	64
18	Thermal and shrinkage behaviour of stretched peroxide-crosslinked high-density polyethylene. <i>European Polymer Journal</i> , 2003, 39, 1729-1734.	2.6	63

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19	Design, preparation, and characterization of fast cure epoxy/amine- ϵ -functionalized graphene oxide nanocomposites. <i>Polymer Composites</i> , 2018, 39, E2016.	2.3	63
20	Rheology, Morphology and Estimation of Interfacial Tension of LDPE/EVA and HDPE/EVA Blends. <i>Polymer Bulletin</i> , 2005, 54, 75-84.	1.7	60
21	Cure Index demonstrates curing of epoxy composites containing silica nanoparticles of variable morphology and porosity. <i>Progress in Organic Coatings</i> , 2019, 135, 176-184.	1.9	60
22	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> , 2013, 7, 21-39.	1.1	54
23	Novel nanocomposites consisting of a semi-crystalline polyamide and Mg-Al LDH: Morphology, thermal properties and flame retardancy. <i>Applied Clay Science</i> , 2014, 90, 101-108.	2.6	54
24	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> , 2015, 88, 1277-1289.	3.3	54
25	Mechanical properties of bamboo fiber-reinforced polymer composites: a review of recent case studies. <i>Journal of Materials Science</i> , 2022, 57, 3143-3167.	1.7	53
26	Structural analysis of multicomponent nanoclay-containing polymer blends through simple model systems. <i>Polymer</i> , 2008, 49, 2119-2126.	1.8	52
27	Non-isothermal crystallization behavior of PLA/LLDPE/nanoclay hybrid: Synergistic role of LLDPE and clay. <i>Thermochimica Acta</i> , 2013, 565, 102-113.	1.2	51
28	Transforming an intrinsically hydrophilic polymer to a robust self-cleaning superhydrophobic coating via carbon nanotube surface embedding. <i>Materials and Design</i> , 2015, 86, 338-346.	3.3	51
29	Electroactive poly (p-phenylene sulfide)/r-graphene oxide/chitosan as a novel potential candidate for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 18-24.	3.6	51
30	A review of electrical and thermal conductivities of epoxy resin systems reinforced with carbon nanotubes and graphene-based nanoparticles. <i>Polymer Testing</i> , 2022, 112, 107645.	2.3	51
31	Crystallization and melting behavior of nanoclay-containing polypropylene/poly(trimethylene) Tj ETQq1 1 0.784314 rrgBT /Overlock 10	1.1	48
32	Morphological, rheological and thermal studies in melt processed compatibilized PA6/ABS/clay nanocomposites. <i>Journal of Polymer Research</i> , 2011, 18, 197-205.	1.2	47
33	Fabrication of robust and thermally stable superhydrophobic nanocomposite coatings based on thermoplastic polyurethane and silica nanoparticles. <i>Applied Surface Science</i> , 2015, 347, 224-230.	3.1	47
34	Thermal and dynamic mechanical properties of PP/EVA nanocomposites containing organo-modified layered double hydroxides. <i>Composites Part B: Engineering</i> , 2016, 103, 122-130.	5.9	47
35	An assessment of the role of morphology in thermal/thermo-oxidative degradation mechanism of PP/EVA/clay nanocomposites. <i>Polymer Degradation and Stability</i> , 2010, 95, 859-869.	2.7	45
36	On O ₂ gas permeability of PP/PLA/clay nanocomposites: A molecular dynamic simulation approach. <i>Polymer Testing</i> , 2015, 45, 139-151.	2.3	44

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37	On the combined use of nanoparticles and a proper solvent/non-solvent system in preparation of superhydrophobic polymer coatings. <i>Polymer</i> , 2015, 56, 358-367.	1.8	44
38	Electrically conductive biocompatible composite aerogel based on nanofibrillated template of bacterial cellulose/polyaniline/nano-clay. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 467-480.	3.6	44
39	Toughening of epoxy resin systems using core-shell rubber particles: a literature review. <i>Journal of Materials Science</i> , 2021, 56, 18345-18367.	1.7	44
40	Thermal and wide angle X-ray analysis of chemically and radiation-crosslinked low and high density polyethylenes. <i>Journal of Applied Polymer Science</i> , 2006, 100, 3264-3271.	1.3	43
41	Interfacially compatibilized LDPE/POE blends reinforced with nanoclay: investigation of morphology, rheology and dynamic mechanical properties. <i>Polymer Bulletin</i> , 2009, 62, 255-270.	1.7	42
42	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> , 2014, 131, .	1.3	42
43	Effect of transesterification products on the miscibility and phase behavior of poly(trimethylene Terephthalate) / Polybutylene Terephthalate. <i>Journal of Applied Polymer Science</i> , 2014, 114, 1078-1084.	2.6	41
44	Morphology, rheology and dynamic mechanical properties of PP/EVA/clay nanocomposites. <i>Journal of Polymer Research</i> , 2011, 18, 1829-1839.	1.2	41
45	MWNT-filled PC/ABS blends: Correlation of morphology with rheological and electrical response. <i>Journal of Applied Polymer Science</i> , 2013, 130, 739-748.	1.3	41
46	Assessment of role of morphology in gas permselectivity of membranes based on polypropylene/ethylene vinyl acetate/clay nanocomposite. <i>Journal of Membrane Science</i> , 2013, 445, 76-87.	4.1	39
47	Investigating the role of surface micro/nano structure in cell adhesion behavior of superhydrophobic polypropylene/nanosilica surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 233-240.	2.5	39
48	Enhanced hydrophobicity of polyurethane via non-solvent induced surface aggregation of silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 117-126.	5.0	39
49	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> , 2017, 134, 45145.	1.3	39
50	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> , 2020, 117, 111328.	3.8	39
51	Crystallization behavior of polypropylene in polypropylene/nylon 6 blend. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1153-1161.	1.3	38
52	Thermal and mechanical properties of uncrosslinked and chemically crosslinked polyethylene/ethylene vinyl acetate copolymer blends. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3261-3270.	1.3	38
53	Physical, morphological, and biological studies on PLA/HA composite nanofibrous webs containing Equisetum arvense herbal extract for bone tissue engineering. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45343.	1.3	38
54	Application of compatibilized polymer blends in biomedical fields. , 2020, , 511-537.		38

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55	On nanoclay localization in polypropylene/poly(ethylene terephthalate) blends: Correlation with thermal and mechanical properties. <i>Materials & Design</i> , 2013, 45, 110-117.	5.1	37
56	Large-scale exfoliation of hexagonal boron nitride with combined fast quenching and liquid exfoliation strategies. <i>Journal of Materials Science</i> , 2016, 51, 3162-3169.	1.7	36
57	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> , 2007, 104, 1654-1660.	1.3	35
58	Enhanced ionic conductivity in PEO/PMMA glassy miscible blends: Role of nanoconfinement of minority component chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2065-2071.	2.4	35
59	Influence of Interfacial Activity and Micelle Formation on Rheological Behavior and Microstructure of Reactively Compatibilized PP/PET Blends. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 312-328.	1.7	35
60	Influence of trifluoropropyl-POSS nanoparticles on the microstructure, rheological, thermal and thermomechanical properties of PLA. <i>RSC Advances</i> , 2016, 6, 37149-37159.	1.7	35
61	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> , 2014, 53, 1-12.	2.6	34
62	Effect of clay modifier on morphology, thermal properties and flammability of newly synthesized poly(sulfide-sulfone-amide). <i>Applied Clay Science</i> , 2015, 108, 70-77.	2.6	33
63	Thermal behavior and morphology of polyamide 6 based multicomponent blends. <i>Journal of Applied Polymer Science</i> , 2002, 84, 2753-2759.	1.3	32
64	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> , 2009, 47, 674-684.	2.4	32
65	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> , 2013, 48, 3147-3159.	1.7	32
66	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> , 2018, 154, 92-103.	3.8	32
67	Preparation and release properties of electrospun poly(vinyl alcohol)/poly(ϵ -caprolactone) hybrid nanofibers: Optimization of process parameters via D-optimal design method. <i>Macromolecular Research</i> , 2013, 21, 649-659.	1.0	31
68	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> , 2015, 79, 74-82.	5.9	31
69	A novel method to control hydrolytic degradation of nanocomposite biocompatible materials via imparting superhydrophobicity. <i>Applied Surface Science</i> , 2015, 357, 880-886.	3.1	31
70	Self-cleaning behavior in polyurethane/silica coatings via formation of a hierarchical packed morphology of nanoparticles. <i>Applied Surface Science</i> , 2016, 368, 216-223.	3.1	31
71	The Taste of Waste: The Edge of Eggshell Over Calcium Carbonate in Acrylonitrile Butadiene Rubber. <i>Journal of Polymers and the Environment</i> , 2019, 27, 2478-2489.	2.4	31
72	Surface modification of MWCNT and its influence on properties of paraffin/MWCNT nanocomposites as phase change material. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48428.	1.3	31

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73	Correlation of rheology and morphology and estimation of interfacial tension of immiscible COC/EVA blends. <i>Journal of Polymer Research</i> , 2011, 18, 821-831.	1.2	30
74	Rheology-morphology correlation in PET/PP blends: Influence of type of compatibilizer. <i>Journal of Vinyl and Additive Technology</i> , 2013, 19, 25-30.	1.8	29
75	Miscibility analysis, viscoelastic properties and morphology of cyclic olefin copolymer/polyolefin elastomer (COC/POE) blends. <i>Composites Part B: Engineering</i> , 2015, 69, 111-119.	5.9	29
76	Rheological, morphological and mechanical investigations on ethylene octene copolymer toughened polypropylene prepared by continuous electron induced reactive processing. <i>RSC Advances</i> , 2016, 6, 24651-24660.	1.7	29
77	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> , 2013, 52, 206-212.	1.9	27
78	An experimental and theoretical mechanistic analysis of thermal degradation of polypropylene/poly(lactic acid)/clay nanocomposites. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2695-2706.	1.6	27
79	Phase Morphology and Thermal Characteristics of Binary Blends Based on PTT and PA12. <i>Polymer Bulletin</i> , 2005, 54, 205-213.	1.7	26
80	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> , 2011, 121, 2680-2687.	1.3	26
81	Morphology Prediction in HDPE/PA6/EVOH Ternary Blends: Defining the Role of Elasticity Ratio. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1791-1802.	1.1	26
82	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> , 2018, 137, 235-246.	5.9	26
83	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> , 2021, 306, 2000576.	1.7	26
84	Improvements of physical and mechanical properties of electron beam irradiation-crosslinked EVA foams. <i>Polymers for Advanced Technologies</i> , 2009, 20, 487-492.	1.6	25
85	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> , 2009, 30, 993-999.	2.3	25
86	Toward In Situ Compatibilization of Polyolefin Ternary Blends through Morphological Manipulations. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1197-1212.	1.7	25
87	Plasma Functionalization of MWCNTs in He Followed by NH ₃ Treatment and its Application in PMMA Based Nanocomposites. <i>Plasma Processes and Polymers</i> , 2010, 7, 1001-1009.	1.6	24
88	A comparison of effects of plasma and acid functionalizations on structure and electrical property of multi-wall carbon nanotubes. <i>Applied Surface Science</i> , 2014, 295, 66-70.	3.1	24
89	Incorporation of inorganic fullerene-like WS ₂ into poly(ethylene succinate) to prepare novel biodegradable nanocomposites: a study on isothermal and dynamic crystallization. <i>RSC Advances</i> , 2016, 6, 4925-4935.	1.7	24
90	Microstructure and non-isothermal crystallization behavior of PP/PLA/clay hybrid nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1321-1332.	2.0	23

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91	A promising approach to low electrical percolation threshold in PMMA nanocomposites by using MWCNT-PEO pre-dispersions. <i>Materials and Design</i> , 2016, 111, 253-262.	3.3	23
92	Investigating the interrelationship of superhydrophobicity with surface morphology, topography and chemical composition in spray-coated polyurethane/silica nanocomposites. <i>Polymer</i> , 2017, 128, 108-118.	1.8	23
93	Effect of clay type and polymer matrix on microstructure and tensile properties of PLA/LLDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 130, 749-758.	1.3	22
94	Functionalization of graphene nanosheets and its dispersion in PMMA/PEO blend: Thermal, electrical, morphological and rheological analyses. <i>Fibers and Polymers</i> , 2016, 17, 174-180.	1.1	22
95	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> , 2017, 302, 1600397.	1.7	22
96	Temperature dependency of gas barrier properties of biodegradable PP/PLA/nanoclay films: Experimental analyses with a molecular dynamics simulation approach. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46665.	1.3	22
97	Correlation of Sequence Block Lengths and Degree of Randomness with Melt Rheological Properties in PET/PEN Blends. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 272-280.	1.7	21
98	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> , 2013, 298, 113-126.	1.7	21
99	Mechanical, rheological, and thermal behavior assessments in HDPE/PA-6/EVOH ternary blends with variable morphology. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	21
100	Reactive Compatibilization of Ternary Polymer Blends with Core-Shell Type Morphology. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 86-98.	1.7	21
101	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> , 2016, 22, 19-28.	1.8	21
102	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> , 2017, 218, 1700103.	1.1	21
103	On Localization of Clay Nanoparticles in Polypropylene/poly(Lactic Acid) Blend Nanocomposites: Correlation with Mechanical Properties. <i>Journal of Macromolecular Science - Physics</i> , 2016, 55, 344-360.	0.4	20
104	Facile template preparation of novel electroactive scaffold composed of polypyrrole-coated poly(glycerol-sebacate-urethane) for tissue engineering applications. <i>European Polymer Journal</i> , 2021, 159, 110749.	2.6	20
105	Synthesis and characterization of a novel unsaturated polyester based on poly(trimethylene Terephthalate) and poly(ethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2018, 141, 46665.	1.8	19
106	Synthesis of exfoliated polyamide 6,6/organically modified montmorillonite nanocomposites by in situ interfacial polymerization. <i>Polymer Composites</i> , 2007, 28, 733-738.	2.3	19
107	A qualitative assessment of long chain branching content in LLDPE, LDPE and their blends via thermorheological analysis. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3240-3250.	1.3	19
108	Influence of fullerene-like tungsten disulfide (W ₂ S ₃) nanoparticles on thermal and dynamic mechanical properties of PP/EVA blends: Correlation with microstructure. <i>Composites Part B: Engineering</i> , 2017, 111, 74-82.	5.9	19

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109	Review of Bioprinting in Regenerative Medicine: Naturally Derived Bioinks and Stem Cells. ACS Applied Bio Materials, 2021, 4, 4049-4070.	2.3	19
110	Compatibilizing Effects on the Phase Morphology and Thermal Properties of Polymer Blends Based on PTT and m-LLDPE. Polymer Bulletin, 2005, 54, 417-426.	1.7	18
111	Investigation of exchange reactions and rheological response of reactive blends of poly(trimethylene Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	18
112	Miscibility analysis in LLDPE/LDPE blends via thermorheological analysis: Correlation with branching structure. Polymer Engineering and Science, 2014, 54, 1081-1088.	1.5	17
113	Study on the effects of non-solvent and nanoparticle concentrations on surface properties of water-repellent biocompatible l-lactide/glycolide/trimethylene carbonate terpolymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 502, 168-175.	2.3	17
114	An Improved Non-Isenthal Kinetic Model for Prediction of Extent of Transesterification Reaction and Degree of Randomness in PET/PEN Blends. Macromolecular Theory and Simulations, 2008, 17, 241-251.	0.6	16
115	Investigating the role of transreactions on degradation behavior of phenoxy/poly(trimethylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 59-66.	1.2	16
116	Investigation of thermal behavior and decomposition kinetic of PET/PEN blends and their clay containing nanocomposites. Journal of Polymer Research, 2011, 18, 1765-1775.	1.2	16
117	A Multi-optimization Approach to Assessment of Drug Delivery of PLGA Nanoparticles: Simultaneous Control of Particle Size and Release Behavior. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 641-652.	1.8	16
118	Controlled-release of ferulic acid from active packaging based on LDPE/EVA blend: Experimental and modeling. Food Packaging and Shelf Life, 2019, 22, 100392.	3.3	16
119	Improved surface properties in spray-coated PU/TiO ₂ /graphene hybrid nanocomposites through nonsolvent-induced phase separation. Surface and Coatings Technology, 2021, 405, 126507.	2.2	16
120	Fabrication of Carboxymethyl Chitosan Nanoparticles to Deliver Paclitaxel for Melanoma Treatment. ChemNanoMat, 2020, 6, 1373-1385.	1.5	16
121	Introducing a new approach to preparing bionanocomposite sponges based on poly(glycerol sebacate) Tj ETQq1 1 0.784314 rgBT /O tissue engineering. European Polymer Journal, 2022, 173, 111239.	2.6	16
122	Description of the dynamic moduli of poly(trimethylene terephthalate)/polyamide-12 blends in molten state. Polymer Engineering and Science, 2005, 45, 1401-1407.	1.5	15
123	Investigating the effect of nanolayered silicates on blend segmental dynamics and minor component relaxation behavior in poly(ethylene oxide)/poly(methyl methacrylate) miscible blends. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 318-326.	2.4	15
124	Morphology, drug release behavior, thermal, and mechanical properties of poly(ethylene oxide) (PEO)/poly(vinyl pyrrolidone) (PVP) blends. Journal of Applied Polymer Science, 2018, 135, 46403.	1.3	15
125	In-Out Surface Modification of Halloysite Nanotubes (HNTs) for Excellent Cure of Epoxy: Chemistry and Kinetics Modeling. Nanomaterials, 2021, 11, 3078.	1.9	15
126	Kinetics of isothermal crystallization and subsequent melting behavior of PTT/PA12 blend. Journal of Applied Polymer Science, 2007, 106, 1964-1971.	1.3	14

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127	Influence of Chain Structure on Phase Behavior and Thermal Degradation of Poly(trimethylene Terephthalate)/Poly(ethylene terephthalate) Blends. <i>Polymer Bulletin</i> , 2007, 292, 1103-1110.	1.7	14
128	Correlation of morphological, dynamic mechanical, and thermal properties in compatibilized polypropylene/ethylene vinyl acetate copolymer/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 125, 922-934.	1.3	14
129	Thermorheological behavior analysis of mLLDPE and mVLDPE: Correlation with branching structure. <i>Journal of Applied Polymer Science</i> , 2013, 129, 458-463.	1.3	14
130	Biodegradation and hydrolysis studies on polypropylene/poly(lactide)/organo-clay nanocomposites. <i>Polymer Bulletin</i> , 2016, 73, 3287-3304.	1.7	14
131	Effect of nylon 6 inclusions on the crystalline morphology of polypropylene-nylon 6 blends. <i>Journal of Applied Polymer Science</i> , 2000, 75, 1769-1775.	1.3	13
132	Linear Viscoelastic Characteristics of Poly(trimethylene terephthalate)/Polycarbonate Blends in the Melt State. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 1091-1096.	1.7	13
133	Polypropylene/Poly(trimethylene terephthalate) Blend Nanocomposite: A Thermal Properties Study. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 682-688.	1.9	13
134	Ultra-low Electrical and Rheological Percolation Thresholds in PMMA/Plasma-Functionalized CNTs Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1450-1455.	1.9	12
135	Interface evaluation in the ternary blends of HDPE/PA-6/EVOH. <i>Polymer Bulletin</i> , 2014, 71, 613-624.	1.7	12
136	Investigation of the thermal decomposition behavior and kinetic analysis of PTT/phenoxy blends. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2924-2931.	1.3	11
137	Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 829-836.	1.1	11
138	On rheology-morphology correlation of polypropylene/poly(trimethylene terephthalate) blend nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1054-1060.	1.3	11
139	Assessment of intertube interactions in different functionalized multiwalled carbon nanotubes incorporated in a phenoxy resin. <i>Polymer Engineering and Science</i> , 2013, 53, 168-175.	1.5	11
140	On the dispersion of CNTs in polyamide 6 matrix via solution methods: assessment through electrical, rheological, thermal and morphological analyses. <i>Polymer Bulletin</i> , 2013, 70, 2387-2398.	1.7	11
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