

# Seyed Hassan Jafari

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206  
papers

4,811  
citations

36  
h-index

58  
g-index

219  
ext. papers

5,471  
ext. citations

3.7  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
206	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
205	Role of blend phase ratio in controlling morphology, compressive, and recovery behavior of low-density polyethylene/ethylene-vinyl acetate foams. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 52105	2.9	0
204	Introducing a New Approach to Preparing Bionanocomposite Sponges Based on Poly (glycerol sebacate urethane) (PGSU) with Great Interconnectivity and High Hydrophilicity Properties for Application in Tissue Engineering. <i>European Polymer Journal</i> , <b>2022</b> , 111239	5.2	1
203	A review of electrical and thermal conductivities of epoxy resin systems reinforced with carbon nanotubes and graphene-based nanoparticles. <i>Polymer Testing</i> , <b>2022</b> , 112, 107645	4.5	3
202	In-Out Surface Modification of Halloysite Nanotubes (HNTs) for Cure of Epoxy: Chemistry and Kinetics Modeling. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
201	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
200	Review of Bioprinting in Regenerative Medicine: Naturally Derived Bioinks and Stem Cells.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4049-4070	4.1	2
199	Anticorrosion performance of electro-deposited epoxy/ amine functionalized graphene oxide nanocomposite coatings. <i>Corrosion Science</i> , <b>2021</b> , 179, 109143	6.8	25
198	Improved surface properties in spray-coated PU/TiO <sub>2</sub> /graphene hybrid nanocomposites through nonsolvent-induced phase separation. <i>Surface and Coatings Technology</i> , <b>2021</b> , 405, 126507	4.4	7
197	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
196	Facile template preparation of novel electroactive scaffold composed of polypyrrole-coated poly(glycerol-sebacate-urethane) for tissue engineering applications. <i>European Polymer Journal</i> , <b>2021</b> , 159, 110749	5.2	3
195	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
194	A Theoretical and Experimental Analysis of the Effect of Nanoclay on Gas Perm-Selectivity of Biodegradable PLA/EVA Blends in the Presence and Absence of Compatibilizer. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 2000433	3.9	3
193	A correlation between morphology and mechanical performance of injected-molded PE/EVA/clay nanocomposites: Insight into phase miscibility and interfacial phenomena. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49401	2.9	2
192	EPolymorph enhancement in poly(vinylidene fluoride) by blending with polyamide 6 and barium titanate nanoparticles. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49403	2.9	2
191	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
190	Morphology, Rheology and Impact Resistance of PS/EOC/SEBS Ternary Blends <b>2020</b> , 363-366		

189	Spherical nanoparticle effects on the lower critical solution temperature phase behavior of poly( $\epsilon$ -caprolactone)/poly(styrene-co-acrylonitrile) blends: Separation of thermodynamic aspects from kinetics. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48679	2.9	3
188	Application of compatibilized polymer blends in biomedical fields <b>2020</b> , 511-537		19
187	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
186	Melt rheology and interfacial properties of binary and ternary blends of PS, EOC, and SEBS. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48791	2.9	2
185	A multiple approach in determination of interfacial tension of biodegradable melt-mixed PBAT/EVOH blends: Correlation of morphology, rheology and mechanical properties. <i>Polymer Testing</i> , <b>2020</b> , 82, 106301	4.5	8
184	Experimental analysis and mechanical modeling of effect of stress-relaxation on shape memory and recovery behavior of e-beam irradiated HDPE. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 168, 108568	2.5	1
183	Assessment of compatibilization role of nanoclay in immiscible polystyrene/ethyleneoctene copolymer blends via wide-angle X-ray scattering, microstructure, rheological analyses, and mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48748	2.9	3
182	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
181	An assessment on the effect of trifluoropropyl-POSS and blend composition on morphological, thermal and thermomechanical properties of PLA/TPU. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 279-292	4.1	5
180	Interface analysis of compatibilized polymer blends <b>2020</b> , 349-371		4
179	Fabrication of Carboxymethyl Chitosan Nanoparticles to Deliver Paclitaxel for Melanoma Treatment. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1373-1385	3.5	7
178	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
177	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
176	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
175	Impression materials for dental prosthesis <b>2019</b> , 197-215		1
174	Paraffin/CuO nanocomposites as phase change materials: Effect of surface modification of CuO. <i>Polymer Composites</i> , <b>2019</b> , 40, 4362-4370	3	4
173	Rheologically determined phase diagram of poly( $\epsilon$ -caprolactone)/poly(styrene-co-acrylonitrile) blends: Role of ramp rate in dynamic measurements. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47750-9	2.9	3
172	Prediction of mechanical properties of PP/EVA polymer blends governed by EVA phase change in the presence of environmentally-friendly inorganic tungsten disulfide nanotubes (INT-WS2). <i>Polymer Composites</i> , <b>2019</b> , 40, 1964-1978	3	3

171	Solid State Viscoelastic Properties, Morphological and Melt Rheological Studies on PLA/TPU/POSS Nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , <b>2019</b> , 58, 1036-1045	1.5	2
170	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	3.2	14
169	Chitosan in Biomedical Engineering: A Critical Review. <i>Current Stem Cell Research and Therapy</i> , <b>2019</b> , 14, 93-116	3.6	112
168	On physical and antibacterial properties and drug release behavior of poly(vinyl alcohol) hydrogels: effect of drug loaded chitosan nanoparticles. <i>Polymer-Plastics Technology and Materials</i> , <b>2019</b> , 58, 732-741	1.5	2
167	Physicomechanical and antimicrobial characteristics of hydrogel based on poly(vinyl alcohol): Performance improvement via inclusion of chitosan-modified nanoclay. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47444	2.9	3
166	Thermo-mechanical and shape memory behavior of TPU/ABS/MWCNTs nanocomposites compatibilized with ABS-g-MAH. <i>Polymer Composites</i> , <b>2019</b> , 40, 789-800	3	2
165	Temperature and frequency-dependent creep and recovery studies on PVDF-HFP/organo-modified layered double hydroxides nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46352	2.9	5
164	Investigations on matrix network characteristics in NBR/silica nanocomposites: Resolving matrix bulk density and network molecular weight and their alterations due to filler-curing agent interactions. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46170	2.9	1
163	Looking back to interfacial tension prediction in the compatibilized polymer blends: Discrepancies between theories and experiments. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46144	2.9	8
162	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
161	Chemically Functionalized Graphene Nanosheets and Their Influence on Thermal Stability, Mechanical, Morphological, and Electrical Properties of Poly(methyl methacrylate)/Poly(ethylene Oxide) Blend. <i>Polymer-Plastics Technology and Engineering</i> , <b>2018</b> , 57, 156-165		3
160	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
159	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> , <b>2018</b> , 135, 46665	2.9	9
158	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
157	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
156	On the Correlation of Rheology and Morphology of Bimodal Polypropylene Reactor Blends Synthesized by Homogeneous Binary Metallocene/Metallocene Catalysts. <i>Polymer-Plastics Technology and Engineering</i> , <b>2018</b> , 57, 791-803		3
155	Experimental analysis and prediction of viscoelastic creep properties of PP/EVA/LDH nanocomposites using master curves based on time-temperature superposition. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46725	2.9	5
154	Mefenamic Acid-Layered Zinc Hydroxide Nanohybrids: A New Platform to Elaborate Drug Delivery Systems. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 1	3.2	4

153	Alteration of matrix curing characteristics and its role in extension of hydrodynamic equation for predicting viscoelastic properties of nitrile rubber/silica nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2381-2391	3.2	0
152	Analysis of dynamic oscillatory rheological properties of PP/EVA/organo-modified LDH ternary hybrids based on generalized Newtonian fluid and generalized linear viscoelastic approaches. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 465-482	2.4	8
151	Conceptualizing Physical and Chemical Interactions in the Compatibilized HDPE/PA6 and HDPE/EVOH Pairs: Theoretical and Experimental Analyses. <i>Polymer-Plastics Technology and Engineering</i> , <b>2017</b> , 56, 1986-1996		6
150	High-performance carboxylate superplasticizers for concretes: Interplay between the polymerization temperature and properties. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	8
149	Dynamic Mechanical Thermal Analysis and Rheological Properties of Synthesized Polypropylene Reactor Blends Using Homogeneous Binary Metallocene Catalyst. <i>Polymer-Plastics Technology and Engineering</i> , <b>2017</b> , 56, 1898-1907		1
148	Thermal analysis and successive self-nucleation and annealing (SSA) treatment of synthesized bimodal polypropylene (BPP) reactor blends using homogeneous binary metallocene catalyst. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 130, 985-995	4.1	4
147	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
146	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
145	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
144	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, 1081-1088	3.9	12
143	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, 1700-1703	2.6	15
142	Melt linear viscoelastic rheological analysis to assess the microstructure of polyamide 6B/crylonitrile butadiene styrene terpolymer immiscible blends via the application of fractional Zener and Coran models. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45423	2.9	
141	A probe into the status quo of interfacial adhesion in the compatibilized ternary blends with core/shell droplets: Selective versus dictated compatibilization. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45503	2.9	8
140	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
139	Correlation of Microstructure, Rheological and Morphological Characteristics of Synthesized Polypropylene (PP) Reactor Blends Using Homogeneous Binary Metallocene Catalyst. <i>Polymers</i> , <b>2017</b> , 9,	4.5	2
138	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
137	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
136	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

135	Comparative study on tensile properties and microstructure development in elastomer-modified cyclic olefin copolymer. <i>Journal of Vinyl and Additive Technology</i> , <b>2016</b> , 22, 222-230	2	3
134	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
133	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
132	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
131	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
130	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
129	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
128	Biodegradation and hydrolysis studies on polypropylene/polylactide/organo-clay nanocomposites. <i>Polymer Bulletin</i> , <b>2016</b> , 73, 3287-3304	2.4	9
127	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
126	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
125	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
124	A promising approach to low electrical percolation threshold in PMMA nanocomposites by using MWCNT-PEO predispersions. <i>Materials and Design</i> , <b>2016</b> , 111, 253-262	8.1	17
123	Poly(ethylene succinate) nanocomposites containing inorganic WS <sub>2</sub> nanotubes with improved thermal properties: A kinetic study. <i>Composites Part B: Engineering</i> , <b>2016</b> , 98, 496-507	10	5
122	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
121	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
120	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
119	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
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	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
116	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
115	Combination of Plasma Functionalization and Phase Inversion Process Techniques for Efficient Dispersion of MWCNTs in Polyamide 6: Assessment through Morphological, Electrical, Rheological and Thermal Properties. <i>Polymer-Plastics Technology and Engineering</i> , <b>2015</b> , 54, 632-638		3
114	A Multi-optimization 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
113	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
112	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
111	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
110	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
109	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
108	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
107	Preparation of PET/clay nanocomposites via in situ polymerization in the presence of monomer-activated organoclay. <i>Journal of Vinyl and Additive Technology</i> , <b>2015</b> , 21, 70-78	2	8
106	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
105	Simulation of Microstructural Evolution During Reactive Blending of PET and PEN: Numerical Integration of Kinetic Differential Equations and Monte Carlo Method. <i>Macromolecular Theory and Simulations</i> , <b>2015</b> , 24, 152-167	1.5	4
104	Interface evaluation in the ternary blends of HDPE/PA-6/EVOH. <i>Polymer Bulletin</i> , <b>2014</b> , 71, 613-624	2.4	11
103	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
102	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
101	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
100	Novel thermosensitive hydrogel composites based on poly(d,l-lactide-co-glycolide) nanoparticles embedded in poly(n-isopropyl acrylamide) with sustained drug-release behavior. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	4

99	A Microfluidic Approach to Synthesize Monodisperse Poly (2-Hydroxyethyl Methacrylate) Based Spherical Microgels via Water in Water Emulsion Technique. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2014</b> , 63, 884-890	3	6
98	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
97	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
96	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
95	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
94	Thermal Behavior and Degradation Kinetics of Compatibilized Metallocene-Linear Low Density Polyethylene/Nanoclay Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 53, 890-902		2
93	Dynamic-mechanical analysis of MWNTs-filled PC/ABS blends. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 2696-2706	2.3	3
92	Correlation Between Reactive Modification Conditions and Degree of Long-Chain Branching in Chemically Modified Linear Low Density Polyethylene Using Response Surface Experimental Design. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 154-164	3.9	5
91	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
90	Synthesis of biocompatible and degradable microspheres based on 2-hydroxyethyl methacrylate via microfluidic method. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	2
89	Electron beam cross-linking of EVA/TPU blends. <i>Plastics, Rubber and Composites</i> , <b>2014</b> , 43, 202-210	1.5	5
88	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
87	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
86	Effect of end-capped nanosilica on mechanical properties and microstructure of LLDPE/EVA blends. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 1172-1179	2.9	7
85	On rheology/morphology correlation of polypropylene/poly(trimethylene terephthalate) blend nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 1054-1060	2.9	8
84	Assessment of intertube interactions in different functionalized multiwalled carbon nanotubes incorporated in a phenoxy resin. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 168-175	2.3	9
83	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
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5	Impact strength and dynamic mechanical properties correlation in elastomer-modified polypropylene <b>2000</b> , 78, 962		2
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