

Yousef Jahani

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Assembly of Temperature Sensitive Additives in Polypropylene Melt and Its Influence on Viscoelasticity. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2783-2791.	1.8	1
2	Self-assembly behavior of temperature sensitive additive in polypropylene matrix: Molecular dynamics simulations. <i>Materials Today Communications</i> , 2022, 31, 103529.	0.9	1
3	An approach for prediction optimum crystallization conditions for formation of beta polypropylene by response surface methodology (RSM). <i>Polymer Testing</i> , 2021, 93, 106921.	2.3	10
4	The effect of initiator, polyfunctional monomer and polybutene-1 resin on the long chain branching of random polypropylene copolymer via reactive extruder. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 327-343.	0.6	2
5	Influence of different molecular weights of polyhexene-1 on the morphology and rheology of cyclic olefin copolymer blends. <i>Polymer Engineering and Science</i> , 2021, 61, 1485-1501.	1.5	1
6	Effects of different molecular architectures in terms of comonomer content and composition distribution on the miscibility of cyclic olefin copolymer/polyolefin (COC/POE and COC/LLDPEB) blends. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 593-612.	1.3	3
7	Trimethylolpropane trimethacrylate functionalized polypropylene/polyhexene-1 blend with enhanced melt strength. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 555-571.	0.6	0
8	Effect of Polyethylene Molecular Architecture on the Dynamic Viscoelastic Behavior of Polyethylene/Polyhexene-1 Blends and Its Correlation with Morphology. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 560-572.	0.6	3
9	The synergistic effect of graphene oxide and POSS in mixed matrix membranes for desalination. <i>Desalination</i> , 2019, 472, 114131.	4.0	14
10	Influence of adding carbon black on electrical conductivity in dynamically vulcanized of poly (vinylidene fluoride)/fluoroelastomer composites. <i>International Journal of Plastics Technology</i> , 2019, 23, 46-55.	2.9	6
11	PMMA-CNT-HAp nanocomposites optimized for 3D-printing applications. <i>Materials Research Express</i> , 2019, 6, 085405.	0.8	15
12	Thermal, Tensile, Electrical, Dynamic Mechanical Thermal and Rheological Properties of Polyvinylidene Fluoride and Fluoroelastomer Composites Filled with Carbon Black. <i>International Polymer Processing</i> , 2019, 34, 111-120.	0.3	0
13	Effects of Compatibilizer and Thermoplastic Starch (TPS) Concentration on Morphological, Rheological, Tensile, Thermal and Moisture Sorption Properties of Plasticized Polylactic Acid/TPS Blends. <i>Journal of Polymers and the Environment</i> , 2018, 26, 3202-3215.	2.4	24
14	Non-terminal behavior as a finger print to follow droplet deformation. <i>Advances in Polymer Technology</i> , 2018, 37, 1517-1525.	0.8	4
15	Thermal degradation, dynamic mechanical and morphological properties of PVC stabilized with natural polyphenol-based epoxy resin. <i>Polymer Bulletin</i> , 2018, 75, 3473-3498.	1.7	9
16	Investigation of rheology and morphology to follow physical fibrillar network evolution through fiber spinning of PP/PA6 blend fiber. <i>Polymer Engineering and Science</i> , 2018, 58, 1251-1260.	1.5	6
17	Preparation and Assessment of Phase Morphology, Rheological Properties, and Thermal Behavior of Low-Density Polyethylene/Polyhexene-1 Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 757-765.	1.9	12
18	Polyacetal/Acrylonitrile-Butadiene-Styrene/Thermoplastic Polyurethane Blends and Their Nanocomposites Morphological and Rheological Behavior as a Tertiary Blend. <i>Polymer Science - Series A</i> , 2018, 60, 816-827.	0.4	4

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19	The effects of natural polyphenols and calcium-based thermal stabilizer on the rheological and thermal resistance behaviors of PVC. International Journal of Plastics Technology, 2018, 22, 365-385.	2.9	2
20	Improving on Processing of Composites via Blending with FKM and Relation between Electrical Conductivity and Properties of PVDF/FKM/CB. Porrima, 2018, 42, 901-909.	0.0	0
21	[PhSiO _{1.5}] _{8,10,12} as nanoreactors for non-enzymatic introduction of ortho, meta or para-hydroxyl groups to aromatic molecules. Dalton Transactions, 2017, 46, 8797-8808.	1.6	5
22	Rheological properties of PVC stabilized with tannin based epoxy resin as non metallic thermal stabilizer. Polymer Bulletin, 2017, 74, 1077-1090.	1.7	12
23	Thermal Tensile, and Dynamic Mechanical Properties of PVDF/FKM Blends in Different Curing Systems. Porrima, 2017, 41, 250.	0.0	3
24	Comparison of the effect of ethylene and hexene-1 co-monomers on the composition, microstructure, rheology, thermal and mechanical behaviour of randomized polypropylene hetero-phasic block co-polymers. RSC Advances, 2016, 6, 104438-104450.	1.7	1
25	Rheology of polypropylene/poly(ethylene-co-propylene) in-reactor alloy. Polymer Science - Series A, 2016, 58, 283-291.	0.4	0
26	The potential of tannins as thermal co-stabilizer additive for polyvinyl chloride. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1253-1261.	2.0	20
27	Synthesis, characterization, rheological and thermal behavior of metallocene ethylene/norbornene copolymers with low norbornene content using pentafluorophenol modified methylaluminoxane. Polymer International, 2015, 64, 900-906.	1.6	7
28	Study on propylene polymerization in the presence of phenolic antioxidant (Irganox 1076) and characterization of stabilized polymers. Journal of Vinyl and Additive Technology, 2015, 21, 285-289.	1.8	1
29	The impact of viscoelastic behavior and viscosity ratio on the phase behavior and morphology of polypropylene/polybutene-1 blends. Journal of Vinyl and Additive Technology, 2015, 21, 94-101.	1.8	17
30	The Influence of Copolymerization Condition on Rheology, Morphology and Thermal Behavior of Polypropylene Heterophasic Copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 532-539.	1.2	4
31	Reactive melt modification of polyethylene by ethyl acrylate/acrylic acid copolymers: rheology, morphology and thermal behavior. Iranian Polymer Journal (English Edition), 2015, 24, 449-458.	1.3	4
32	Effect of the matrix modification technique (MMT) on the composition, microstructure, morphology, interfacial interaction and mechanical properties of polypropylene reactor alloys. RSC Advances, 2015, 5, 107445-107454.	1.7	7
33	Morphological studies of (polyamide-6)/(silane-grafted high-density polyethylene)/nanoclay ternary nanocomposites. Journal of Vinyl and Additive Technology, 2015, 21, 191-196.	1.8	4
34	Supertough (Polyamide 6)/(acrylonitrile butadiene rubber) nano alloy through in situ polymerization of caprolactam in the presence of acrylonitrile butadiene rubber nanophase. Journal of Vinyl and Additive Technology, 2015, 21, 116-121.	1.8	4
35	The effects of long chain branching of polypropylene and chain extension of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 2015, 5, 21620-21628.	1.7	27
36	Effect of phenolic, phosphite, lactone, and their mixtures of antioxidants on Ziegler-Natta catalyst performance during propylene polymerization. Journal of Vinyl and Additive Technology, 2015, 21, 299-304.	1.8	1

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37	Synthesis and Characterization of Nanobuilding Blocks [σ -RStyrPhSiO _{1.5}] _{10,12} (R = Me, MeO, NBoc, and CN). Unexpected Photophysical Properties Arising from Apparent Asymmetric Cage Functionalization as Supported by Modeling Studies. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15846-15858.	1.5	10
38	Rheology and morphology of polypropylene <i>in situ</i> grafted and blended with methyl methacrylate/ <i>n</i> -butylacrylate copolymer. <i>Journal of Vinyl and Additive Technology</i> , 2015, 21, 290-298.	1.8	2
39	Tannin-Ca Complex as Green Thermal Stabilizer Additive for PVC: Viscoelastic Properties. <i>Open Journal of Organic Polymer Materials</i> , 2015, 05, 69-78.	2.0	4
40	Effects of chemical structure of phenolic antioxidants on Ziegler-Natta catalyst performance during propylene polymerization. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 847-854.	1.3	2
41	Effect of electron beam irradiation dose on the rheology, morphology, and thermal properties of branched polypropylene/polybutene-1 blend. <i>Polymer Engineering and Science</i> , 2014, 54, 1747-1756.	1.5	12
42	Effect of organoclay and silane grafting of polyethylene on morphology, barrierity, and rheological properties of HDPE/PA6 blends. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1211-1220.	1.3	17
43	The role of PB-1 on the long chain branching of PP by electron beam irradiation in solid state and melt viscoelastic behavior. <i>Radiation Physics and Chemistry</i> , 2013, 87, 64-70.	1.4	9
44	Influence of nanoclay on the rheological properties of polyamide 6/acrylonitrile butadiene styrene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E571.	1.3	12
45	Dynamic viscoelastic behavior of polypropylene/polybutene-1 blends and its correlation with morphology. <i>Journal of Applied Polymer Science</i> , 2012, 125, 640-648.	1.3	22
46	Influence of the silane grafting of polyethylene on the morphology, barrier, thermal, and rheological properties of high-density polyethylene/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E305.	1.3	35
47	Rheological evaluation of electron beam irradiated polypropylene in the presence of a multifunctional monomer and polybutene resin. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2036-2041.	1.3	7
48	Mechanical properties, surface chemistry, and barrier characteristics of electron beam irradiated/annealed LDPE/PA6/LDPE multi-layer films at $N > 2$. <i>Polymers for Advanced Technologies</i> , 2011, 22, 724-731.	1.6	3
49	Comparison of the effect of mica and talc and chemical coupling on the rheology, morphology, and mechanical properties of polypropylene composites. <i>Polymers for Advanced Technologies</i> , 2011, 22, 942-950.	1.6	38
50	The effect of electron beam irradiation on dynamic shear rheological behavior of a poly(propylene-co-ethylene) heterophasic copolymer. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2039-2043.	1.6	3
51	Investigation on the correlation between rheology and morphology of PA6/ABS blends using ethylene acrylate terpolymer as compatibilizer. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2173-2182.	1.3	14
52	Effect of a nanoclay/triphenyl phosphate hybrid system on the fire retardancy of polycarbonate/acrylonitrile-butadiene-styrene blend. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3435-3442.	1.3	26
53	Dynamic shear rheological behavior of PP/EPR <i>in situ</i> reactor alloys synthesized by multi-stage sequential polymerization process. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3635-3641.	1.3	11
54	Structural parameters in relation to the rheological behavior and properties of PP/EPR <i>in situ</i> reactor alloy synthesized by multi-stage sequential polymerization. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3332-3339.	1.3	7

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55	Degradation kinetics of electron beam irradiated poly(propylene-co-ethylene) heterophasic copolymer. Radiation Physics and Chemistry, 2011, 80, 810-816.	1.4	8
56	Study of the viscoelastic properties of PC/ABS blend containing triphenyl phosphate and nanoclay and its correlation with morphology. Journal of Applied Polymer Science, 2010, 118, 1796-1804.	1.3	8
57	Comparison of the Effect of an Organoclay, Triphenylphosphate, and a Mixture of Both on the Degradation and Combustion Behaviour of PC/ABS Blends. Macromolecular Symposia, 2010, 298, 130-137.	0.4	10
58	Dynamic rheology, mechanical performance, shrinkage, and morphology of chemically coupled talc-filled polypropylene. Journal of Vinyl and Additive Technology, 2010, 16, 70-77.	1.8	28
59	The effects of epoxy resin nano particles on shrinkage behavior and thermal stability of talc-filled polypropylene. Polymer Bulletin, 2009, 63, 743-754.	1.7	10
60	The rheological modification of talc-filled polypropylene by epoxy-polyester hybrid resin and its effect on morphology, crystallinity, and mechanical properties. Polymer Engineering and Science, 2009, 49, 619-629.	1.5	26
61	The effect of epoxy-polyester hybrid resin on mechanical properties, rheological behavior, and water absorption of polypropylene wood flour composites. Polymer Engineering and Science, 2007, 47, 2041-2048.	1.5	13
62	The role of interfacial interactions and loss function of model adhesives on their adhesion to glass. Journal of Adhesion Science and Technology, 2002, 16, 33-45.	1.4	20
63	Effect of graphene oxide on desalination performance of cellulose acetate mixed matrix membrane. , 0, 164, 62-74.		2