Mohammadreza Nofar

List of Publications by Year
in descending order

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Version: 2024-02-01

66 papers	3,667 citations	185998 28 h-index	149479 56 g-index
69 all docs	69 docs citations	69 times ranked	2480 citing authors

#	Article	IF	Citations
1	A Review on Multifunctional Epoxy-Based JoncrylÂ® ADR Chain Extended Thermoplastics. Polymer Reviews, 2022, 62, 296-350.	5.3	61
2	Thermal Stabilization of Recycled PET Through Chain Extension and Blending with PBT. Journal of Polymers and the Environment, 2022, 30, 719-727.	2.4	13
3	Composition design of<scp>PLA</scp>/<scp>TPU</scp>emulsion blends compatibilized with multifunctional epoxyâ€based chain extender to tackle high impact resistant ductile structures. Journal of Applied Polymer Science, 2022, 139, 51833.	1.3	10
4	Extrinsic toughening of recycled carbon fibers in polypropylene composites in the absence of plasticity penalty. Journal of Composite Materials, 2022, 56, 941-950.	1.2	3
5	Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBH): Synthesis, properties, and applications - A review. European Polymer Journal, 2022, 167, 111044.	2.6	31
6	Foam 3D Printing of Thermoplastics: A Symbiosis of Additive Manufacturing and Foaming Technology. Advanced Science, 2022, 9, e2105701.	5.6	30
7	Experimental and numerical investigation of bubble nucleation and growth in supercritical CO2-blown poly(vinyl alcohol). Korean Journal of Chemical Engineering, 2022, 39, 2252-2262.	1.2	3
8	Super toughened and highly ductile <scp>PLA</scp>/<scp>TPU</scp> blend systems by in situ reactive interfacial compatibilization using multifunctional epoxyâ€based chain extender. Journal of Applied Polymer Science, 2021, 138, 50457.	1.3	39
9	Thermal and Environmentally Induced Degradation Behaviors of Amorphous and Semicrystalline PLAs Through Rheological Analysis. Journal of Polymers and the Environment, 2021, 29, 3412-3426.	2.4	19
10	Reinforcing potential of recycled carbon fibers in compatibilized polypropylene composites. Journal of Polymer Research, 2021, 28, 1.	1.2	6
11	Mechanical and viscoelastic properties of polyetheleneâ€based microfibrillated composites from 100% recycled resources. Journal of Applied Polymer Science, 2021, 138, 50793.	1.3	6
12	Mechanical properties and foaming behavior of polypropylene/elastomer/recycled carbon fiber composites. Polymer Composites, 2021, 42, 3482-3492.	2.3	20
13	Influence of nanoparticles and their selective localization on the structure and properties of polylactide-based blend nanocomposites. Composites Part B: Engineering, 2021, 215, 108845.	5.9	54
14	Super enhancement of rheological properties of amorphous PLA through generation of a fiberlike oriented crystal network. Journal of Rheology, 2021, 65, 493-505.	1.3	6
15	Effect of solvent type on the dispersion quality of spray-and freeze-dried CNCs in PLA through rheological analysis. Carbohydrate Polymers, 2021, 268, 118243.	5.1	17
16	Entirely environment-friendly polylactide composites with outstanding heat resistance and superior mechanical performance fabricated by spunbond technology: Exploring the role of nanofibrillated stereocomplex polylactide crystals. International Journal of Biological Macromolecules, 2021, 193, 2210-2220.	3.6	22
17	Injection-molded PP composites reinforced with talc and nanoclay for automotive applications. Journal of Thermoplastic Composite Materials, 2020, 33, 1478-1498.	2.6	20
18	Ductility improvements of PLA-based binary and ternary blends with controlled morphology using PBAT, PBSA, and nanoclay. Composites Part B: Engineering, 2020, 182, 107661.	5.9	100

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19	Peculiar crystallization and viscoelastic properties of polylactide/polytetrafluoroethylene composites induced by in-situ formed 3D nanofiber network. Composites Part B: Engineering, 2020, 200, 108361.	5.9	29
20	Effect of nanofillers characteristics and their selective localization on morphology development and rheological properties of meltâ€processed polylactide/poly(butylene adipateâ€coâ€terephthalate) blend composites. Polymer Engineering and Science, 2020, 60, 2749-2760.	1.5	33
21	Experimental and Numerical Analyses of n-Pentane Solubility and Diffusivity in Polystyrene/Poly(methyl methacrylate) Blends. Journal of Chemical & Engineering Data, 2020, 65, 4596-4604.	1.0	3
22	Development of CNC-reinforced PBAT nanocomposites with reduced percolation threshold: a comparative study on the preparation method. Journal of Materials Science, 2020, 55, 15523-15537.	1.7	22
23	Effect of TPU hard segment content on the rheological and mechanical properties of PLA/TPU blends. Journal of Applied Polymer Science, 2020, 137, 49387.	1.3	50
24	Mechanical properties of extruded glass fiber reinforced thermoplastic polyolefin composites. Polymer Composites, 2020, 41, 3748-3757.	2.3	24
25	Effects of molecular weight and crystallizability of polylactide on the cellulose nanocrystal dispersion quality in their nanocomposites. International Journal of Biological Macromolecules, 2020, 154, 276-290.	3.6	26
26	Shear-Induced Carbon Nanotube Migration and Morphological Development in Polylactide/Poly(vinylidene fluoride) Blend Nanocomposites and Their Impact on Dielectric Constants and Rheological Properties. Journal of Physical Chemistry C, 2020, 124, 9536-9547.	1.5	29
27	Effect of preparation method on the properties of polylactide/cellulose nanocrystal nanocomposites. Polymer Composites, 2020, 41, 4170-4180.	2.3	27
28	Effect of TPU soft segment molecular weight on TPUâ€™s bead foaming behavior. AIP Conference Proceedings, 2020, , .	0.3	0
29	Effect of TPU hard segment content on TPUâ€™s bead foaming behavior. AIP Conference Proceedings, 2020, , .	0.3	1
30	Creep behavior of HDPE/PA66 microfibrillar composites modified with graphite nanoplatelets. Journal of Polymer Research, 2020, 27, 1.	1.2	6
31	Effect of soft segment molecular weight on the microcellular foaming behavior of TPU using supercritical CO2. Journal of Supercritical Fluids, 2020, 160, 104816.	1.6	47
32	Microcellular foaming behavior of ether- and ester-based TPUs blown with supercritical CO₂. Journal of Polymer Engineering, 2020, 40, 561-571.	0.6	6
33	Effect of branching on flow-induced crystallization of poly (lactic acid). European Polymer Journal, 2019, 119, 410-420.	2.6	31
34	Kinetically Controlled Localization of Carbon Nanotubes in Polylactide/Poly(vinylidene fluoride) Blend Nanocomposites and Their Influence on Electromagnetic Interference Shielding, Electrical Conductivity, and Rheological Properties. Journal of Physical Chemistry C, 2019, 123, 19195-19207.	1.5	40
35	Polylactide cellulose-based nanocomposites. International Journal of Biological Macromolecules, 2019, 137, 912-938.	3.6	114
36	Effect of hard segment content on the microcellular foaming behavior of TPU using supercritical CO2. Journal of Supercritical Fluids, 2019, 153, 104590.	1.6	56

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37	Continuous foam extrusion of high impact polystyrene (HIPS): Effects of processing parameters and blowing agent type and content. AIP Conference Proceedings, 2019, , .	0.3	0
38	Effects of the matrix crystallinity, dispersed phase, and processing type on the morphological, thermal, and mechanical properties of polylactideâ€based binary blends with poly[(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T Polymer Science, 2019, 136, 47636.	1.3	38
39	Development of PBT/Recycled-PET Blends and the Influence of Using Chain Extender. Journal of Polymers and the Environment, 2019, 27, 1404-1417.	2.4	49
40	Rheology of poly (lactic acid)-based systems. Polymer Reviews, 2019, 59, 465-509.	5.3	101
41	Nanoâ€modified HDPE/PA6 microfibrillar composites: Effect of aminated graphite platelets coupling. Journal of Applied Polymer Science, 2019, 136, 47660.	1.3	3
42	Poly (lactic acid) blends: Processing, properties and applications. International Journal of Biological Macromolecules, 2019, 125, 307-360.	3.6	505
43	PLA Bead Foam Manufacturingâ€"A Novel Technology. , 2018, , 195-231.		0
44	Extrusion Foaming of PLA and Its Compounds. , 2018, , 113-149.		0
45	Introduction to Polylactide and Polylactide Foaming. , 2018, , 17-34.		3
46	Foam Injection Molding of PLA and Its Compounds. , 2018, , 151-193.		0
47	Introduction to Plastic Foams and Their Foaming. , 2018, , 1-16.		2
48	Polylactide PVT, Solubility, and Interfacial Tension Behavior in Presence of Dissolved CO 2. , 2018, , 35-56.		0
49	Polylactide Crystallization Kinetics in Presence of Dissolved Gas. , 2018, , 57-111.		1
50	Synergistic Effects of Chain Extender and Nanoclay on the Crystallization Behaviour of Polylactide. International Journal of Material Science and Research, 2018, 1, 1-8.	1.6	14
51	Tailoring poly(lactic acid) for packaging applications via the production of fully bio-based in situ microfibrillar composite films. Chemical Engineering Journal, 2017, 308, 772-782.	6.6	123
52	Effects of nano-/micro-sized additives and the corresponding induced crystallinity on the extrusion foaming behavior of PLA using supercritical CO2. Materials and Design, 2016, 101, 24-34.	3.3	77
53	A novel technology to manufacture biodegradable polylactide bead foam products. Materials and Design, 2015, 83, 413-421.	3.3	101
54	Development of polylactide bead foams with double crystal melting peaks. Polymer, 2015, 69, 83-94.	1.8	142

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55	Poly (lactic acid) foaming. Progress in Polymer Science, 2014, 39, 1721-1741.	11.8	401
56	In-situ visualization of polypropylene crystallization during extrusion. Polymer Testing, 2014, 33, 57-63.	2.3	25
57	The Thermal Behavior of Polylactide with Different <scp>D</scp>â€Lactide Content in the Presence of Dissolved CO₂. Macromolecular Materials and Engineering, 2014, 299, 1232-1239.	1.7	45
58	Lightweight Polypropylene/Stainless-Steel Fiber Composite Foams with Low Percolation for Efficient Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2014, 6, 11091-11100.	4.0	295
59	Crystallization of hard segment domains with the presence of butane for microcellular thermoplastic polyurethane foams. Polymer, 2014, 55, 651-662.	1.8	94
60	Comparison of melting and crystallization behaviors of polylactide under high-pressure CO2, N2, and He. Polymer, 2013, 54, 6471-6478.	1.8	85
61	Effects of nano-/micro-sized additives on the crystallization behaviors of PLA andÂPLA/CO2 mixtures. Polymer, 2013, 54, 2382-2391.	1.8	150
62	Double Crystal Melting Peak Generation for Expanded Polypropylene Bead Foam Manufacturing. Industrial & Engineering Chemistry Research, 2013, 52, 2297-2303.	1.8	113
63	Processing and characterization of solid and foamed injection-molded polylactide with talc. Journal of Cellular Plastics, 2013, 49, 351-374.	1.2	60
64	The foamability of low-melt-strength linear polypropylene with nanoclay and coupling agent. Journal of Cellular Plastics, 2012, 48, 271-287.	1.2	53
65	Crystallization Kinetics of Linear and Long-Chain-Branched Polylactide. Industrial & Engineering Chemistry Research, 2011, 50, 13789-13798.	1.8	179
66	Effects of D-lactide content and molecular weight on the morphological, thermal, and mechanical properties of electrospun nanofiber polylactide mats. Journal of Industrial Textiles, 0, , 152808372210902.	1.1	2