

mohammad Fasihi

List of Publications by Year in descending order

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papers

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43
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiency of stress transfer between polymer matrix and nanoplatelets in clay/polymer nanocomposites. <i>Applied Clay Science</i> , 2017, 143, 265-272.	2.6	65
2	How are the thermal properties of polypropylene/graphene nanoplatelet composites affected by polymer chain configuration and size of nanofiller?. <i>Materials and Design</i> , 2019, 181, 108068.	3.3	57
3	Plasticizing and anti-plasticizing effects of polyvinyl alcohol in blend with thermoplastic starch. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 775-781.	3.6	54
4	Effect of styrene-butadiene rubber and fumed silica nano-filler on the microstructure and mechanical properties of glass fiber reinforced unsaturated polyester resin. <i>Composites Part B: Engineering</i> , 2019, 173, 106803.	5.9	47
5	Effect of rubber interparticle distance distribution on toughening behavior of thermoplastic polyolefin elastomer toughened polypropylene. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	43
6	The effect of graphene oxide nano-platelets on fracture behavior of adhesively bonded joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1905-1916.	1.7	41
7	Oxygen barrier and mechanical properties of masterbatch-based PA6/nanoclay composite films. <i>Journal of Applied Polymer Science</i> , 2012, 125, E2.	1.3	38
8	Competitiveness and synergy between three flame retardants in poly(ethylene-co-vinyl acetate). <i>Polymer Degradation and Stability</i> , 2017, 143, 164-175.	2.7	27
9	Microstructure and physical properties of thermoplastic corn starch foams as influenced by polyvinyl alcohol and plasticizer contents. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 359-367.	3.6	24
10	Cell structure-impact property relationship of polypropylene/thermoplastic elastomer blend foams. <i>EXPRESS Polymer Letters</i> , 2019, 13, 429-442.	1.1	22
11	An experimental study on one-step and two-step foaming of natural rubber/silica nanocomposites. <i>Nanotechnology Reviews</i> , 2020, 9, 427-435.	2.6	21
12	Preparation of highly dispersed expanded graphite/polypropylene nanocomposites via low temperature processing. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1834-1839.	1.3	18
13	The role of nanofiller size and polymer chain configuration on the properties of polypropylene/graphite nanoplates composites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 108, 82-91.	2.7	16
14	Effect of coupling agent on the morphological characteristics of natural rubber/silica composites foams. <i>E-Polymers</i> , 2019, 19, 430-436.	1.3	14
15	A New Evaluation Criterion for Optimizing the Mechanical Properties of Toughened Polypropylene/Silica Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 877-887.	2.0	14
16	Phosphorization of exfoliated graphite for developing flame retardant ethylene vinyl acetate composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7341-7353.	2.6	14
17	Acrylonitrile-butadiene rubber functionalization for the toughening modification of recycled poly(ethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	12
18	The simultaneous effect of nucleating and blowing agents on the cellular structure of polypropylene foamed via the extrusion process. <i>E-Polymers</i> , 2016, 16, 235-241.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Experimental Analysis and Optimization of Mechanical and Physical Properties of Light-Weight Bulk Molding Compound by Design of Experiment. <i>Journal of Macromolecular Science - Physics</i> , 2021, 60, 237-256.	0.4	12
20	Evaluation and optimization of the mechanical properties of highly filled PVC/(wood flour) composites by using experimental design. <i>Journal of Vinyl and Additive Technology</i> , 2011, 17, 112-119.	1.8	11
21	Curing characteristics and cellular morphology of natural rubber/silica composite foams. <i>Polymer Bulletin</i> , 2020, 77, 3171-3184.	1.7	11
22	Preparation and application of cellulose nano whiskers (CNWs) in engineered cementitious composites. <i>Journal of Building Engineering</i> , 2019, 21, 213-221.	1.6	10
23	Effect of fumed silica and halloysite nanoparticles on the microstructure, mechanical, and fracture properties of thermoplastic polyolefin elastomer toughened polypropylene. <i>Polymer Composites</i> , 0, , .	2.3	10
24	Experimental analysis of tensile properties and essential work of fracture of fumed silica filled polypropylene toughened with thermoplastic polyolefin elastomer. <i>Journal of Composite Materials</i> , 2022, 56, 2621-2638.	1.2	8
25	Flame retardancy effect of phosphorus graphite nanoplatelets on ethylene vinyl acetate copolymer: Physical blending versus chemical modification. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4296-4305.	1.6	7
26	Microstructural analysis and multi-response optimization of mechanical properties of bulk molding compound. <i>Polymer Composites</i> , 2022, 43, 593-607.	2.3	7
27	The effect of resin formulation on the cellular morphology and mechanical properties of phenolic foams. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48331.	1.3	6
28	Comments on "Essential work of fracture analysis for surface modified carbon fiber/polypropylene composites with different interfacial adhesion" [<i>Polymer Composites</i> 41 (9) (2020): 3541-3551]. <i>Polymer Composites</i> , 2022, 43, 1505-1507.	2.3	6
29	Multi-response optimization of tensile and fracture properties of polypropylene/ethylene-vinyl acetate/exfoliated graphite by the design of experiment. <i>Journal of Elastomers and Plastics</i> , 2022, 54, 1000-1024.	0.7	6
30	A comparative study on thermomechanical and rheological characteristics of graphite/polypropylene nanocomposites: Highlighting the role of mixing. <i>Journal of Vinyl and Additive Technology</i> , 2015, 21, 12-17.	1.8	5
31	Investigation of material characteristics and processing conditions effects on bubble growth behavior in a physical foaming process. <i>E-Polymers</i> , 2016, 16, 387-394.	1.3	5
32	Rheological optimization of reactively modified polypropylene to enhance the foam extrusion performance. <i>Materials Research Express</i> , 2019, 6, 105352.	0.8	5
33	The influence of Dunlop and air microbubbling manufacturing methods on the physical, microstructural and mechanical properties of nano-alumina filled natural rubber latex foam. <i>EXPRESS Polymer Letters</i> , 2022, 16, 649-664.	1.1	5
34	Nonisothermal crystallization behavior of isotactic polypropylene/ thermoplastic rubber blends. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017, 54, 951-955.	1.2	4
35	Microstructure, mechanical and electrical characterizations of bimodal and nanocellular polypropylene/graphene nanoplatelet composite foams. <i>Materials Today Communications</i> , 2020, 25, 101447.	0.9	4
36	One-step regulating the microstructure in physical foaming process of polypropylene. <i>Materials and Manufacturing Processes</i> , 2020, 35, 935-939.	2.7	4

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37	Development of a bubble growth model for natural rubber-based foams. <i>Polymer Engineering and Science</i> , 2021, 61, 477-488.	1.5	4
38	Curing and thermal degradation reactions of Nano-Alumina filled natural rubber latex foams. <i>Thermochimica Acta</i> , 2022, 707, 179108.	1.2	4
39	Thermal Characteristics, Kinetics and Thermodynamics of Thermal Degradation Reaction, and Hydrophobicity of Corn Starch Affected by Chemical and Physical Modifications. <i>Starch/Staerke</i> , 0, , 2100185.	1.1	4
40	Microstructural and Physical Properties of Thermoplastic Corn Starch/Polystyrene Blend Foams Affected by Different Contents and Combinations of Plasticizers. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1491-1501.	2.4	3
41	Phase morphology and thermomechanical performance of thermoplastic corn starch/polystyrene blends. <i>Industrial Crops and Products</i> , 2022, 176, 114325.	2.5	3
42	The Effect of Outer Diameter of Multi-Walled Carbon Nanotubes on Fracture Behavior of Epoxy Adhesives. <i>Scientia Iranica</i> , 2017, .	0.3	2