

Zahed Ahmadi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,056
citations

687363

13
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Agarose-based biomaterials for tissue engineering. Carbohydrate Polymers, 2018, 187, 66-84.	10.2	454
2	Nanostructured epoxy adhesives: A review. Progress in Organic Coatings, 2019, 135, 449-453.	3.9	115
3	Epoxy in nanotechnology: A short review. Progress in Organic Coatings, 2019, 132, 445-448.	3.9	79
4	Ploxamer-based stimuli-responsive biomaterials. Materials Today: Proceedings, 2018, 5, 15516-15523.	1.8	54
5	Baked hydrogel from corn starch and chitosan blends cross-linked by citric acid: Preparation and properties. Polymers for Advanced Technologies, 2020, 31, 1256-1269.	3.2	47
6	Polyaniline in retrospect and prospect. Materials Today: Proceedings, 2018, 5, 15852-15860.	1.8	39
7	Fabrication and properties of thermoplastic starch/montmorillonite composite using dialdehyde starch as a crosslinker. Polymer International, 2020, 69, 317-327.	3.1	39
8	Effect of Surface Treatment of Halloysite Nanotubes (HNTs) on the Kinetics of Epoxy Resin Cure with Amines. Polymers, 2020, 12, 930.	4.5	32
9	Numerical simulation of reaction injection molding with polyurethane foam. Journal of Cellular Plastics, 2013, 49, 405-421.	2.4	25
10	The Effect of Poly (Ethylene glycol) Emulsion on the Degradation of PLA/Starch Composites. Polymers, 2021, 13, 1019.	4.5	22
11	Bio-based solution-cast blend films based on polylactic acid and polyhydroxybutyrate: Influence of pyromellitic dianhydride as chain extender on the morphology, dispersibility, and crystallinity. Progress in Organic Coatings, 2018, 119, 23-30.	3.9	21
12	Polylactic acid nanocomposites toughened with nanofibrillated cellulose: microstructure, thermal, and mechanical properties. Iranian Polymer Journal (English Edition), 2018, 27, 785-794.	2.4	18
13	An in-depth study on crystallization kinetics of PET/PLA blends. Iranian Polymer Journal (English) Tj ETQq1 1 0.784314 rgBT /Overlock 14	2.4	14
14	From microstructure to mechanical properties of compatibilized polylactide/thermoplastic starch blends. Journal of Applied Polymer Science, 2017, 134, .	2.6	13
15	Microstructure effects on the rheology of nanoclay-filled PHB/LDPE blends. Polymer Composites, 2019, 40, 4125-4134.	4.6	13
16	Microstructure, mechanical properties, and flame retardancy of nanoclay-incorporated polyurethane flexible foam composites. Journal of Vinyl and Additive Technology, 2016, 22, 415-422.	3.4	9
17	Preparing and characterization of Poly(glycerol-sebacic acid-urethane) (PGSU) nanocomposites: clearing role of unmodified and modified clay nanoparticles. Journal of Polymer Research, 2022, 29, 1.	2.4	9
18	High-Performance Spirulina-Bismuth Biohybrids for Enhanced Computed Tomography Imaging. ACS Sustainable Chemistry and Engineering, 2020, 8, 13085-13099.	6.7	8

#	ARTICLE	IF	CITATIONS
19	A physicochemical route for compensation of molecular weight loss during recycling of poly(ethylene terephthalate). <i>Journal of Vinyl and Additive Technology</i> , 2016, 22, 387-395.	3.4	6
20	Formation of 3D networks in polylactic acid by adjusting the cross-linking agent content with respect to processing variables: a simple approach. <i>Iranian Polymer Journal (English Edition)</i> , 2018, 27, 329-337.	2.4	6
21	A modus operandi toward interfacial enhancement of ethylene propylene diene monomer rubber/polybenzoxazine blends using <sc>EPDM</sc> grafted <sc></sc> vinyltrimethoxysilane copolymer. <i>Polymer Engineering and Science</i> , 2021, 61, 810-821.	3.1	6
22	The effect of well-dispersed nanoclay on isothermal and non-isothermal crystallization kinetics of PHB/LDPE blends. <i>Materials Research Express</i> , 2018, 5, 015316.	1.6	5
23	A mechanistic approach on the curing kinetics of benzoxazine-filled oxygen plasma treated graphene nanosheets. <i>Materials Research Express</i> , 2019, 6, 095332.	1.6	4
24	An insight into thermal stability and decomposition kinetics of polybenzoxazine plasma treated graphene nanocomposites. <i>Polymers and Polymer Composites</i> , 2021, 29, S586-S599.	1.9	4
25	Weldability of pipe grade polyethylenes as realized from thermal and mechanical properties assessments. <i>Journal of Polymer Engineering</i> , 2016, 36, 853-860.	1.4	3
26	Interfacial interaction exploration and oxygen barrier potential of polyethylene/poly(ethylene-co-vinyl alcohol)/clay hybrid nanocomposites. <i>E-Polymers</i> , 2017, 17, 175-185.	3.0	3
27	Facile catalytic ring opening polymerization of lactic acid: Comparing the performance of Fe and Zn metal species. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, 215-224.	3.4	3
28	Nanofiltration membranes based on PA6/EVOH with variable composition and morphology. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, E28.	3.4	3
29	Thermally stable low-density polyethylene/polyhydroxybutyrate pairs: Synergy between organomodified nanoclay and <sc>LDPE</sc> g<sc></sc> MAH<sc></sc>. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45922.	2.6	2
30	A journey across the solid state polymerization to assess the role of critical factors influencing the molecular weight of polylactic acid. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, 165-171.	3.4	0