

Ali Zadhoush

List of Publications by Year in descending order

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64
papers

1,927
citations

361296

20
h-index

265120

42
g-index

64
all docs

64
docs citations

64
times ranked

2256
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Fibersâ€™ Length Distribution and Concentration on Rheological and Mechanical Properties of Glass Fiberâ€™ Reinforced Polypropylene Composite. <i>Journal of Industrial Textiles</i> , 2022, 51, 8452S-8471S.	1.1	8
2	Self-healing performance of hybrid core-shell nanofibers mat containing epoxy-mercaptan at subroom temperature. <i>Polymer Composites</i> , 2021, 42, 2422-2431.	2.3	12
3	The influence of CNT-doped carbon aerogels on microstructural, rheological and mechanical properties of epoxy nanocomposites. <i>Composites Science and Technology</i> , 2021, 215, 109031.	3.8	10
4	Fractural performance of epoxy nanocomposites reinforced with carbon aerogels in different structures. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 115, 103079.	2.1	4
5	Synthesis and characterization of powdered CNT-doped carbon aerogels. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121058.	1.5	15
6	Significance of thermodynamics and rheological characteristics of dope solutions on the morphological evolution of polyethersulfone ultrafiltration membranes. <i>Polymer Engineering and Science</i> , 2021, 61, 742-753.	1.5	15
7	Single nozzle electrospinning of encapsulated epoxy and mercaptan in PAN for self-healing application. <i>Polymer</i> , 2020, 186, 122007.	1.8	19
8	Mechanical properties of transparent poly(methyl methacrylate) nanocomposites reinforced with core-shell polyacrylonitrile/poly(methyl methacrylate) nanofibers. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49192.	1.3	8
9	Water-glass based silica aerogel: unique nanostructured filler for epoxy nanocomposites. <i>Journal of Porous Materials</i> , 2019, 26, 1755-1765.	1.3	17
10	Interpenetrating organic-inorganic network: A short review on aerogel as a nanoporous filler in epoxy nanocomposite. <i>Material Design and Processing Communications</i> , 2019, 1, e107.	0.5	4
11	Tuning morphology and transport in ultrafiltration membranes derived from polyethersulfone through exploration of dope formulation and characteristics. <i>Materials Research Express</i> , 2019, 6, 125326.	0.8	19
12	Evaluation of surface modification impact on PP/MWCNT nanocomposites by rheological and mechanical characterization, assisted with morphological image processing. <i>Polymer Composites</i> , 2019, 40, E501.	2.3	16
13	Melt-spun PLA liquid-filled fibers: physical, morphological, and thermal properties. <i>Journal of the Textile Institute</i> , 2019, 110, 89-99.	1.0	15
14	Influence of microfluidic flow rates on the propagation of nano/microcracks in liquid core and hollow fibers. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 83-89.	2.1	14
15	Recent advances in core/shell bicomponent fibers and nanofibers: A review. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46265.	1.3	131
16	Super high-rate fabrication of high-purity carbon nanotube aerogels from floating catalyst method for oil spill cleaning. <i>Chemical Physics Letters</i> , 2018, 693, 146-151.	1.2	50
17	A review on new mesostructured composite materials: Part I. synthesis of polymer-mesoporous silica nanocomposite. <i>Journal of Reinforced Plastics and Composites</i> , 2018, 37, 441-459.	1.6	23
18	A review on new mesostructured composite materials: Part II. Characterization and properties of polymer-mesoporous silica nanocomposite. <i>Journal of Reinforced Plastics and Composites</i> , 2018, 37, 738-769.	1.6	20

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19	Effect of alkali treatment on mechanical properties of the green composites reinforced with milkweed fibers. Journal of the Textile Institute, 2018, 109, 24-31.	1.0	25
20	Influence of porosity and aspect ratio of nanoparticles on the interface modification of glass/epoxy composites. Polymer Composites, 2018, 39, 3073-3080.	2.3	8
21	A review on aerogel: 3D nanoporous structured fillers in polymer-based nanocomposites. Polymer Composites, 2018, 39, 3383-3408.	2.3	83
22	The role of interface in improving fracture toughness of shaped steel fiber-reinforced composites. Journal of Composite Materials, 2018, 52, 981-987.	1.2	1
23	Hybrid silane-treated glass fabric/epoxy composites: tensile properties by micromechanical approach. Iranian Polymer Journal (English Edition), 2018, 27, 1-11.	1.3	8
24	Surface Modification of Basalt Fibers by Nanostructured Silica Aerogel. Fibers and Polymers, 2018, 19, 1843-1849.	1.1	11
25	Effect of alignment and packing density on the stress relaxation process of carbon nanotube fibers spun from floating catalyst chemical vapor deposition method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 570-578.	2.3	25
26	Melt-spun Liquid Core Fibers: A CFD Analysis on Biphasic Flow in Coaxial Spinneret Die. Fibers and Polymers, 2018, 19, 905-913.	1.1	14
27	Silica Aerogel-Epoxy Nanocomposites: Understanding Epoxy Reinforcement in Terms of Aerogel Surface Chemistry and Epoxy-Silica Interface Compatibility. ACS Applied Nano Materials, 2018, 1, 4179-4189.	2.4	35
28	Fabrication and evaluation of silica aerogel-epoxy nanocomposites: Fracture and toughening mechanisms. Theoretical and Applied Fracture Mechanics, 2018, 97, 156-164.	2.1	36
29	Investigation of the relation between viscoelastic properties of polysulfone solutions, phase inversion process and membrane morphology: The effect of solvent power. Journal of Membrane Science, 2017, 532, 47-57.	4.1	54
30	Flexural and Charpy impact behaviour of epoxy/glass fabric treated by nano-SiO ₂ and silane blend. Plastics, Rubber and Composites, 2017, 46, 314-321.	0.9	16
31	Evaluation of interfacial properties of the silane blend sized glass fiber-epoxy composite by the microdroplet test. Journal of Composite Materials, 2017, 51, 1573-1581.	1.2	4
32	Melt-spun liquid core fibers: physical and morphological characteristics. Iranian Polymer Journal (English Edition), 2016, 25, 397-403.	1.3	17
33	Effects of chemical surface pretreatment on tensile properties of a single glass fiber and the glass fiber reinforced epoxy composite. Polymer Composites, 2016, 37, 91-100.	2.3	18
34	Microfluidic behavior in melt-spun hollow and liquid core fibers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 451-456.	1.8	25
35	Fabrication and characterization of silicon carbide/epoxy nanocomposite using silicon carbide nanowhisker and nanoparticle reinforcements. Journal of Composite Materials, 2016, 50, 435-446.	1.2	71
36	Thermal Degradation and Flammability Properties of Polypropylene Nanocomposite Using Organoclay-graft-poly(Ethylene Glycol Methacrylate Phosphate). Advances in Polymer Technology, 2014, 33, .	0.8	8

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37	Investigation into energy absorption capacity of composites reinforced by three-dimensional-weft knitted fabrics. <i>Journal of Industrial Textiles</i> , 2014, 43, 536-548.	1.1	9
38	Preparation and characterization of thermal-responsive non-woven poly (propylene) materials grafted with N-isopropylacrylamide/ β -cyclodextrin. <i>Journal of Industrial Textiles</i> , 2013, 43, 116-131.	1.1	10
39	Preparation of porous nanofibers from electrospun polyacrylonitrile/calcium carbonate composite nanofibers using porogen leaching technique. <i>Journal of Applied Polymer Science</i> , 2013, 128, 926-933.	1.3	24
40	Shear behavior of soft-matrix composites reinforced with polyethylene loop-formed fibers. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 15-24.	1.3	6
41	Shear modeling of fiber reinforced soil composite on the base of fiber pull-out test. <i>Fibers and Polymers</i> , 2013, 14, 277-284.	1.1	19
42	Novel superhydrophobic top coating on surface modified PVC-coated fabric. <i>Progress in Organic Coatings</i> , 2013, 76, 821-826.	1.9	13
43	Mechanical properties of polypropylene/glass weft knitted composites hot pressed in various structures and contents. <i>Science and Engineering of Composite Materials</i> , 2013, 20, 67-73.	0.6	5
44	Air permeability of electrospun polyacrylonitrile nanoweb. <i>Journal of Applied Polymer Science</i> , 2012, 126, 232-243.	1.3	40
45	The influence of epoxy resin on the morphological and rheological properties of PET/PA66 blend. <i>Rheologica Acta</i> , 2012, 51, 467-480.	1.1	10
46	A simple review of soil reinforcement by using natural and synthetic fibers. <i>Construction and Building Materials</i> , 2012, 30, 100-116.	3.2	583
47	Investigation of the effect of SSP in stabilizing the structure of condensation polymer blends via rheological measurements. <i>Rheologica Acta</i> , 2011, 50, 131-140.	1.1	3
48	Effect of shape and orientation of carbon steel fiber on the modulus of epoxy-based composite. <i>Journal of Applied Polymer Science</i> , 2011, 121, 469-474.	1.3	1
49	Influence of yarn texture on the mechanical properties of textile composite castings. <i>Polymer Composites</i> , 2010, 31, 203-209.	2.3	2
50	Scaffold percolative efficiency: in vitro evaluation of the structural criterion for electrospun mats. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2989-2998.	1.7	15
51	Experimental investigation of the governing parameters in the electrospinning of poly(3-hydroxybutyrate) scaffolds: Structural characteristics of the pores. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2682-2689.	1.3	24
52	Effect of dry/wet spinning on the photooxidative degradation of acrylic fibers. <i>Journal of Applied Polymer Science</i> , 2009, 111, 945-952.	1.3	7
53	Crosslinking of plasticized PVC used in coated fabrics. <i>Journal of Vinyl and Additive Technology</i> , 2009, 15, 108-112.	1.8	4
54	Effect of orientation and crystallinity on the photodegradation of poly(ethylene terephthalate) fibers. <i>Polymer Engineering and Science</i> , 2008, 48, 949-956.	1.5	8

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55	Hydrolytic degradation of poly(ethylene terephthalate). Journal of Applied Polymer Science, 2007, 103, 2304-2309.	1.3	68
56	Synthesis and optimization of copper sulfide-coated electrically conducting poly(acrylonitrile) fibers. Journal of Applied Polymer Science, 2007, 104, 2579-2586.	1.3	10
57	PET/PP blending by using PP-g-MA synthesized by solid phase. Journal of Applied Polymer Science, 2007, 104, 3986-3993.	1.3	41
58	Hydrolytic and thermal degradation of PET fibers and PET granule: The effects of crystallization, temperature, and humidity. Journal of Applied Polymer Science, 2007, 106, 1544-1549.	1.3	48
59	Filler-rubber interactions in β -cellulose-filled styrene butadiene rubber composites. Polymer Composites, 2007, 28, 748-754.	2.3	13
60	Physicomechanical properties of β -cellulose-filled styrene-butadiene rubber composites. Journal of Applied Polymer Science, 2005, 96, 2203-2211.	1.3	66
61	Efficient and novel method for surface oxidation of polypropylene in the solid phase using microwave irradiation. Journal of Applied Polymer Science, 2001, 79, 1317-1323.	1.3	12
62	Microwave assisted oxidation of polyethylene under solid-state conditions with potassium permanganate. European Polymer Journal, 2001, 37, 1199-1206.	2.6	19
63	The Influence of "Enzymatic Hydrolysis of Cellulosic Substrates" on the Final Quality of Coated Fabrics. Journal of Industrial Textiles, 2001, 30, 211-221.	1.1	4
64	The Influence of Plasticizer Content and Type on the Rheological Behaviour of Plastisol Used in Coated Fabrics. Journal of Industrial Textiles, 2000, 30, 50-62.	1.1	4