

# 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	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
2	Recent advances in core/shell bicomponent fibers and nanofibers: A review. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46265.	1.3	131
3	A review on aerogel: 3D nanoporous structured fillers in polymer-based nanocomposites. <i>Polymer Composites</i> , 2018, 39, 3383-3408.	2.3	83
4	Fabrication and characterization of silicon carbide/epoxy nanocomposite using silicon carbide nanowhisker and nanoparticle reinforcements. <i>Journal of Composite Materials</i> , 2016, 50, 435-446.	1.2	71
5	Hydrolytic degradation of poly(ethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2007, 103, 2304-2309.	1.3	68
6	Physicomechanical properties of $\gamma$ -cellulose-filled styrene-butadiene rubber composites. <i>Journal of Applied Polymer Science</i> , 2005, 96, 2203-2211.	1.3	66
7	Investigation of the relation between viscoelastic properties of polysulfone solutions, phase inversion process and membrane morphology: The effect of solvent power. <i>Journal of Membrane Science</i> , 2017, 532, 47-57.	4.1	54
8	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
9	Hydrolytic and thermal degradation of PET fibers and PET granule: The effects of crystallization, temperature, and humidity. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1544-1549.	1.3	48
10	PET/PP blending by using PP-g-MA synthesized by solid phase. <i>Journal of Applied Polymer Science</i> , 2007, 104, 3986-3993.	1.3	41
11	Air permeability of electrospun polyacrylonitrile nanoweb. <i>Journal of Applied Polymer Science</i> , 2012, 126, 232-243.	1.3	40
12	Fabrication and evaluation of silica aerogel-epoxy nanocomposites: Fracture and toughening mechanisms. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 97, 156-164.	2.1	36
13	Silica Aerogel-Epoxy Nanocomposites: Understanding Epoxy Reinforcement in Terms of Aerogel Surface Chemistry and Epoxy-Silica Interface Compatibility. <i>ACS Applied Nano Materials</i> , 2018, 1, 4179-4189.	2.4	35
14	Microfluidic behavior in melt-spun hollow and liquid core fibers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 451-456.	1.8	25
15	Effect of alkali treatment on mechanical properties of the green composites reinforced with milkweed fibers. <i>Journal of the Textile Institute</i> , 2018, 109, 24-31.	1.0	25
16	Effect of alignment and packing density on the stress relaxation process of carbon nanotube fibers spun from floating catalyst chemical vapor deposition method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 570-578.	2.3	25
17	Experimental investigation of the governing parameters in the electrospinning of poly( $\beta$ -hydroxybutyrate) scaffolds: Structural characteristics of the pores. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2682-2689.	1.3	24
18	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

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19	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
20	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
21	Microwave assisted oxidation of polyethylene under solid-state conditions with potassium permanganate. <i>European Polymer Journal</i> , 2001, 37, 1199-1206.	2.6	19
22	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
23	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
24	Single nozzle electrospinning of encapsulated epoxy and mercaptan in PAN for self-healing application. <i>Polymer</i> , 2020, 186, 122007.	1.8	19
25	Effects of chemical surface pretreatment on tensile properties of a single glass fiber and the glass fiber reinforced epoxy composite. <i>Polymer Composites</i> , 2016, 37, 91-100.	2.3	18
26	Melt-spun liquid core fibers: physical and morphological characteristics. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 397-403.	1.3	17
27	Water-glass based silica aerogel: unique nanostructured filler for epoxy nanocomposites. <i>Journal of Porous Materials</i> , 2019, 26, 1755-1765.	1.3	17
28	Flexural and Charpy impact behaviour of epoxy/glass fabric treated by nano-SiO <sub>2</sub> and silane blend. <i>Plastics, Rubber and Composites</i> , 2017, 46, 314-321.	0.9	16
29	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
30	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
31	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
32	Synthesis and characterization of powdered CNT-doped carbon aerogels. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121058.	1.5	15
33	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
34	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
35	Melt-spun Liquid Core Fibers: A CFD Analysis on Biphasic Flow in Coaxial Spinneret Die. <i>Fibers and Polymers</i> , 2018, 19, 905-913.	1.1	14
36	Filler-rubber interactions in cellulose-filled styrene butadiene rubber composites. <i>Polymer Composites</i> , 2007, 28, 748-754.	2.3	13

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37	Novel superhydrophobic top coating on surface modified PVC-coated fabric. Progress in Organic Coatings, 2013, 76, 821-826.	1.9	13
38	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
39	Self-healing performance of hybrid core-shell nanofibers mat containing epoxy-mercaptan at subroom temperature. Polymer Composites, 2021, 42, 2422-2431.	2.3	12
40	Surface Modification of Basalt Fibers by Nanostructured Silica Aerogel. Fibers and Polymers, 2018, 19, 1843-1849.	1.1	11
41	Synthesis and optimization of copper sulfide-coated electrically conducting poly(acrylonitrile) fibers. Journal of Applied Polymer Science, 2007, 104, 2579-2586.	1.3	10
42	The influence of epoxy resin on the morphological and rheological properties of PET/PA66 blend. Rheologica Acta, 2012, 51, 467-480.	1.1	10
43	Preparation and characterization of thermal-responsive non-woven poly (propylene) materials grafted with N-isopropylacrylamide/ $\beta$ -cyclodextrin. Journal of Industrial Textiles, 2013, 43, 116-131.	1.1	10
44	The influence of CNT-doped carbon aerogels on microstructural, rheological and mechanical properties of epoxy nanocomposites. Composites Science and Technology, 2021, 215, 109031.	3.8	10
45	Investigation into energy absorption capacity of composites reinforced by three-dimensional-weft knitted fabrics. Journal of Industrial Textiles, 2014, 43, 536-548.	1.1	9
46	Effect of orientation and crystallinity on the photodegradation of poly(ethylene terephthalate) fibers. Polymer Engineering and Science, 2008, 48, 949-956.	1.5	8
47	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
48	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
49	Hybrid silane-treated glass fabric/epoxy composites: tensile properties by micromechanical approach. Iranian Polymer Journal (English Edition), 2018, 27, 1-11.	1.3	8
50	Mechanical properties of transparent poly(methyl methacrylate) nanocomposites reinforced with core-shell polyacrylonitrile/poly(methyl methacrylate) nanofibers. Journal of Applied Polymer Science, 2020, 137, 49192.	1.3	8
51	The Effect of Fibers™ Length Distribution and Concentration on Rheological and Mechanical Properties of Glass Fiber-Reinforced Polypropylene Composite. Journal of Industrial Textiles, 2022, 51, 8452S-8471S.	1.1	8
52	Effect of dry/wet spinning on the photooxidative degradation of acrylic fibers. Journal of Applied Polymer Science, 2009, 111, 945-952.	1.3	7
53	Shear behavior of soft-matrix composites reinforced with polyethylene loop-formed fibers. Iranian Polymer Journal (English Edition), 2013, 22, 15-24.	1.3	6
54	Mechanical properties of polypropylene/glass weft knitted composites hot pressed in various structures and contents. Science and Engineering of Composite Materials, 2013, 20, 67-73.	0.6	5

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55	The Influence of "Enzymatic Hydrolysis of Cellulosic Substrates" on the Final Quality of Coated Fabrics. <i>Journal of Industrial Textiles</i> , 2001, 30, 211-221.	1.1	4
56	Crosslinking of plasticized PVC used in coated fabrics. <i>Journal of Vinyl and Additive Technology</i> , 2009, 15, 108-112.	1.8	4
57	Evaluation of interfacial properties of the silane blend sized glass fiber" epoxy composite by the microdroplet test. <i>Journal of Composite Materials</i> , 2017, 51, 1573-1581.	1.2	4
58	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
59	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
60	The Influence of Plasticizer Content and Type on the Rheological Behaviour of Plastisol Used in Coated Fabrics. <i>Journal of Industrial Textiles</i> , 2000, 30, 50-62.	1.1	4
61	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
62	Influence of yarn texture on the mechanical properties of textile composite castings. <i>Polymer Composites</i> , 2010, 31, 203-209.	2.3	2
63	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
64	The role of interface in improving fracture toughness of shaped steel fiber-reinforced composites. <i>Journal of Composite Materials</i> , 2018, 52, 981-987.	1.2	1