Elham Vatankhah

List of Publications by Year
in descending order

24 papers	787 citations	759055 12 h-index	752573 20 g-index
25 all docs	25 docs citations	25 times ranked	1359 citing authors

#	Article	IF	Citations
1	Electrospun aligned PHBV/collagen nanofibers as substrates for nerve tissue engineering. Biotechnology and Bioengineering, 2013, 110, 2775-2784.	1.7	131
2	Development of nanofibrous cellulose acetate/gelatin skin substitutes for variety wound treatment applications. Journal of Biomaterials Applications, 2014, 28, 909-921.	1.2	131
3	Artificial neural network for modeling the elastic modulus of electrospun polycaprolactone/gelatin scaffolds. Acta Biomaterialia, 2014, 10, 709-721.	4.1	105
4	Electrospun tecophilic/gelatin nanofibers with potential for small diameter blood vessel tissue engineering. Biopolymers, 2014, 101, 1165-1180.	1.2	78
5	InÂvitro hemocompatibility and cytocompatibility of a three-layered vascular scaffold fabricated by sequential electrospinning of PCL, collagen, and PLLA nanofibers. Journal of Biomaterials Applications, 2016, 31, 438-449.	1.2	57
6	Phenotypic Modulation of Smooth Muscle Cells by Chemical and Mechanical Cues of Electrospun Tecophilic/Gelatin Nanofibers. ACS Applied Materials & Interfaces, 2014, 6, 4089-4101.	4.0	43
7	Experimental investigation into size and sphericity of alginate micro-beads produced by electrospraying technique: Operational condition optimization. Carbohydrate Polymers, 2019, 209, 389-399.	5.1	39
8	Nanofibrous cellulose acetate/gelatin wound dressing endowed with antibacterial and healing efficacy using nanoemulsion of Zataria multiflora. International Journal of Biological Macromolecules, 2020, 162, 762-773.	3.6	39
9	Rosmarinic acidâ€loaded electrospun nanofibers: In vitro release kinetic study and bioactivity assessment. Engineering in Life Sciences, 2018, 18, 732-742.	2.0	38
10	Environmentally friendly superabsorbent fibers based on electrospun cellulose nanofibers extracted from wheat straw. Carbohydrate Polymers, 2021, 251, 117087.	5.1	28
11	A nanofibrous bilayered scaffold for tissue engineering of smallâ€diameter blood vessels. Polymers for Advanced Technologies, 2018, 29, 3151-3158.	1.6	27
12	Boosted output performance of nanocellulose-based triboelectric nanogenerators via device engineering and surface functionalization. Carbohydrate Polymers, 2021, 266, 118120.	5.1	14
13	Surfactant-assisted incorporation of rosmarinic acid into electrosprayed poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2020, 81, 106180.	2.3	11
14	Differential effects of rat ADSCs encapsulation in fibrin matrix and combination delivery of BDNF and Gold nanoparticles on peripheral nerve regeneration. BMC Neuroscience, 2021, 22, 50.	0.8	11
15	Methods for Nano/Micropatterning of Substrates: Toward Stem Cells Differentiation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 338-353.	1.8	9
16	Beneficial effects of biodelivery of brain-derived neurotrophic factor and gold nanoparticles from functionalized electrospun PLGA scaffold for nerve tissue engineering. Journal of Cluster Science, 2021, 32, 631-642.	1.7	8
17	Thermal energy storage and mechanical performance of composites of rigid polyurethane foam and phase change material prepared by one-shot synthesis method. Journal of Polymer Research, 2022, 29, 1.	1.2	5
18	Biomimetic microenvironment complexity to redress the balance between biodegradation and de novo matrix synthesis during early phase of vascular tissue engineering. Materials Science and Engineering C, 2017, 81, 39-47.	3.8	3

#	Article	IF	Citations
19	The comfort properties of cosmeto-textiles functionalized with protein-based nanoemulsions encapsulating Vitamin-E. Journal of Natural Fibers, 0, , 1-13.	1.7	2
20	EVALUATION OF MECHANICAL AND FLAME RETARDANT PROPERTIES OF MEDIUM DENSITY FIBERBOARD USING ARTIFICIAL NEURAL NETWORK. Cerne, 2020, 26, 279-292.	0.9	2
21	Importance of the Cloth Fell Position and Its Specification Methods. , 2010, , .		1
22	Structural characterization of electrospun scaffolds by image analysis techniques. , 2012, , .		1
23	Performance of ANN in Predicting Internal Bonding of Cement Particleboard Manufactured from Giant Reed and Bagasse. Drvna Industrija, 2021, 72, 255-271.	0.3	1
24	A novel realâ€time measuring method for cloth fell distance during weaving. International Journal of Clothing Science and Technology, 2013, 25, 198-207.	0.5	0