

S Hajir Bahrami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

3,645
citations

36
h-index

57
g-index

114
ext. papers

4,338
ext. citations

4.3
avg, IF

6.05
L-index

#	Paper	IF	Citations
109	A novel electrochemical immunosensor for ultrasensitive detection of tumor necrosis factor β based on polystyrene - PAMAM dendritic polymer blend nanofibers. <i>Microchemical Journal</i> , 2022 , 175, 107206	4.8	1
108	Novel platform based on polystyrene electrospun nanofibrous mats doped with PAMAM dendritic polymer for enhanced immunosensing. <i>Applied Surface Science</i> , 2022 , 579, 152221	6.7	0
107	Fabrication and characterization of chitosan-polycaprolactone core-shell nanofibers containing tetracycline hydrochloride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 636, 128163	5.1	8
106	Synthesis and Characterization of Exopolysaccharide Encapsulated PCL/Gelatin Skin Substitute for Full-Thickness Wound Regeneration. <i>Polymers</i> , 2021 , 13,	4.5	7
105	Cinnamon extract loaded electrospun chitosan/gelatin membrane with antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2021 , 173, 580-590	7.9	21
104	Nano-curcumin/graphene platelets loaded on sodium alginate/polyvinyl alcohol fibers as potential wound dressing. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50884	2.9	4
103	Co-electrospinning of lignocellulosic nanoparticles synthesized from walnut shells with poly(caprolactone) and gelatin for tissue engineering applications. <i>Cellulose</i> , 2021 , 28, 4943-4957	5.5	2
102	Fabrication of multifunctional mucoadhesive buccal patch for drug delivery applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 2640-2656	5.4	3
101	Preparation and characterization of electrospun polyethersulfone/polyvinylpyrrolidone-zeolite core-shell composite nanofibers for creatinine adsorption. <i>Separation and Purification Technology</i> , 2021 , 257, 117881	8.3	17
100	Study on release of cardamom extract as an antibacterial agent from electrospun scaffold based on sodium alginate. <i>Journal of the Textile Institute</i> , 2021 , 112, 1482-1490	1.5	2
99	Cellulose nanocrystal effect on crystallization kinetics and biological properties of electrospun polycaprolactone. <i>Materials Science and Engineering C</i> , 2021 , 121, 111855	8.3	6
98	The Effect of Bulk Electrospun Polycaprolactone-graphene Oxide Scaffold on the Healing of Defected Femur Cartilage on a Rabbit Model. <i>Fibers and Polymers</i> , 2021 , 22, 1247-1255	2	0
97	Electrospun PCL and PLA hybrid nanofibrous scaffolds containing Nigella sativa herbal extract for effective wound healing. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49528	2.9	13
96	Multilayer nanofibrous patch comprising chamomile loaded carboxyethyl chitosan/poly(vinyl alcohol) and polycaprolactone as a potential wound dressing. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 547-559	7.9	36
95	Fabricating alginate/poly(caprolactone) nanofibers with enhanced bio-mechanical properties via cellulose nanocrystal incorporation. <i>Carbohydrate Polymers</i> , 2020 , 233, 115873	10.3	35
94	Modeling and optimization of Photocatalytic Decolorization of binary dye solution using graphite electrode modified with Graphene oxide and TiO. <i>Journal of Environmental Health Science & Engineering</i> , 2020 , 18, 51-62	2.9	7
93	In vitro and in vivo studies of biaxially electrospun poly(caprolactone)/gelatin nanofibers, reinforced with cellulose nanocrystals, for wound healing applications. <i>Cellulose</i> , 2020 , 27, 5179-5196	5.5	20

92	The effect of electrospinning parameters on the morphology of glass nanofibers. <i>Journal of the Textile Institute</i> , 2020 , 111, 941-949	1.5	5
91	Biomimetic double-sided polypropylene mesh modified by DOPA and ofloxacin loaded carboxyethyl chitosan/polyvinyl alcohol-polycaprolactone nanofibers for potential hernia repair applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 902-917	7.9	9
90	Synthesis and Characterization of Phenylalanine Nanotubes as Green pH-Responsive Drug Nanocarriers. <i>ChemistrySelect</i> , 2020 , 5, 12570-12581	1.8	4
89	Functional hydrophilic highly biodegradable PCL nanofibers through direct aminolysis of PAMAM dendrimer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 1069-1080	3	7
88	PVA nanofibers containing ofloxacin/ β -cyclodextrin inclusion complexes: improve ofloxacin water solubility. <i>Journal of the Textile Institute</i> , 2020 , 111, 669-681	1.5	3
87	Low-velocity impact performance of nanofiber-interlayered aramid/epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 173, 106975	10	15
86	Smart electrospun nanofibers containing PCL/gelatin/graphene oxide for application in nerve tissue engineering. <i>Materials Science and Engineering C</i> , 2019 , 103, 109768	8.3	84
85	Cellulose fabric with enhanced water absorbance and permeability using microwave radiation: modeling and optimization by RSM. <i>Journal of the Textile Institute</i> , 2019 , 110, 117-123	1.5	7
84	Elimination of hazardous methylene blue from contaminated solutions by electrochemically magnetized graphene oxide as a recyclable adsorbent. <i>Advanced Powder Technology</i> , 2019 , 30, 2352-2362	4.6	13
83	Application of heterogeneous nano-semiconductors for photocatalytic advanced oxidation of organic compounds: A review. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103283	6.8	67
82	Investigation of morphological, mechanical and biological properties of cellulose nanocrystal reinforced electrospun gelatin nanofibers. <i>International Journal of Biological Macromolecules</i> , 2019 , 124, 411-417	7.9	42
81	Drug release and biodegradability of electrospun cellulose nanocrystal reinforced polycaprolactone. <i>Materials Science and Engineering C</i> , 2019 , 94, 929-937	8.3	67
80	PCL-based nanofibers containing ibuprofen/cyclodextrins nanocontainers: A potential candidate for drug delivery application. <i>Journal of Industrial Textiles</i> , 2019 , 48, 1420-1438	1.6	12
79	Magnetization of TiO ₂ nanofibrous spheres by one-step ultrasonic-assisted electrochemical technique. <i>Journal of Molecular Liquids</i> , 2018 , 265, 251-259	6	3
78	Fabrication of tungsten oxide nanofibers via electrospinning for gasochromic hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 319-327	8.5	17
77	Coaxial nanofibers from poly(caprolactone)/ poly(vinyl alcohol)/Thyme and their antibacterial properties. <i>Journal of Industrial Textiles</i> , 2018 , 47, 834-852	1.6	23
76	Quasi-static indentation response of aramid fiber/epoxy composites containing nylon 66 electrospun nano-interlayers. <i>Journal of Industrial Textiles</i> , 2018 , 47, 960-977	1.6	10
75	Development of biodegradable electrospun gelatin/aloe-vera/poly(β -caprolactone) hybrid nanofibrous scaffold for application as skin substitutes. <i>Materials Science and Engineering C</i> , 2018 , 93, 367-379	8.3	69

74	PCL-based nanofibers loaded with ciprofloxacin/cyclodextrin containers. <i>Journal of the Textile Institute</i> , 2018 , 109, 1044-1053	1.5	21
73	Poly (ε-caprolactone)-chitosan-poly (vinyl alcohol) nanofibrous scaffolds for skin excisional and burn wounds in a canine model. <i>IET Nanobiotechnology</i> , 2018 , 12, 619-625	2	6
72	Fabrication of curcumin-loaded gum tragacanth/poly(vinyl alcohol) nanofibers with optimized electrospinning parameters. <i>Journal of Industrial Textiles</i> , 2017 , 46, 1170-1192	1.6	41
71	Introduction of amine terminated dendritic structure to graphene oxide using Poly(propylene Imine) dendrimer to evaluate its organic contaminant removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 285-297	5.3	13
70	The influence of graphene reinforced electrospun nano-interlayers on quasi-static indentation behavior of fiber-reinforced epoxy composites. <i>Fibers and Polymers</i> , 2017 , 18, 322-333	2	16
69	Electrical stimulation of somatic human stem cells mediated by composite containing conductive nanofibers for ligament regeneration. <i>Biologicals</i> , 2017 , 46, 99-107	1.8	29
68	Comparative study of GO and reduced GO coated graphite electrodes for decolorization of acidic and basic dyes from aqueous solutions through heterogeneous electro-Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2313-2324	6.8	21
67	Fabrication, optimization and characterization of electrospun poly(ε-caprolactone)/gelatin/graphene nanofibrous mats. <i>Materials Science and Engineering C</i> , 2017 , 78, 218-229	8.3	56
66	Facile synthesis of Fe ₃ O ₄ nanoparticles via aqueous based electro chemical route for heterogeneous electro-Fenton removal of azo dyes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 91-105	5.3	60
65	Effects of porosity gradient of multilayered electrospun nanofibre mats on air filtration efficiency. <i>Journal of the Textile Institute</i> , 2017 , 108, 1563-1571	1.5	13
64	Fabrication and characterization of PVA/Gum tragacanth/PCL hybrid nanofibrous scaffolds for skin substitutes. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 679-690	7.9	80
63	Removal of Disperse Blue 56 and Disperse Red 135 dyes from aqueous dispersions by modified montmorillonite nanoclay. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2017 , 23, 21-29	0.7	11
62	Electrospinning of PLGA/gum tragacanth nanofibers containing tetracycline hydrochloride for periodontal regeneration. <i>Materials Science and Engineering C</i> , 2016 , 58, 521-31	8.3	126
61	Fabrication and characterization of PCL/gelatin/curcumin nanofibers and their antibacterial properties. <i>Journal of Industrial Textiles</i> , 2016 , 46, 562-577	1.6	39
60	Effect of comonomer on the viscoelastic behavior of co-poly (acrylonitrile) solutions. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	5
59	Photocatalytic discoloration of Acid Red 14 aqueous solution using titania nanoparticles immobilized on graphene oxide fabricated plate. <i>Chemosphere</i> , 2016 , 159, 293-299	8.4	33
58	Gum tragacanth/poly(L-lactic acid) nanofibrous scaffolds for application in regeneration of peripheral nerve damage. <i>Carbohydrate Polymers</i> , 2016 , 140, 104-12	10.3	49
57	Electrospun curcumin loaded poly(ε-caprolactone)/gum tragacanth nanofibers for biomedical application. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 448-56	7.9	118

56	Effect of novel blend nanofibrous scaffolds on diabetic wounds healing. <i>IET Nanobiotechnology</i> , 2016 , 10, 1-7	2	28
55	Halochromic Chemosensor From Poly(acrylonitrile)/Phenolphthalein Nanofibers as pH Sensor. <i>IEEE Sensors Journal</i> , 2016 , 16, 873-880	4	13
54	OPTIMIZATION OF THE COMBINED UV/ELECTROCOAGULATION PROCESS FOR DYE REMOVAL FROM TEXTILE WASTEWATER USING RESPONSE SURFACE METHODOLOGY. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 189-198	0.6	
53	OPTIMIZATION OF THE COMBINED UV/ELECTROCOAGULATION PROCESS FOR DYE REMOVAL FROM TEXTILE WASTEWATER USING RESPONSE SURFACE METHODOLOGY. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 189-198	0.6	
52	A new cellulose purification approach for higher degree of polymerization: Modeling, optimization and characterization. <i>Carbohydrate Polymers</i> , 2016 , 152, 280-286	10.3	14
51	Antibacterial performance and in vivo diabetic wound healing of curcumin loaded gum tragacanth/poly(ϵ -caprolactone) electrospun nanofibers. <i>Materials Science and Engineering C</i> , 2016 , 69, 1183-91	8.3	170
50	Ultrasonic mediated production of carboxymethyl cellulose: Optimization of conditions using response surface methodology. <i>Carbohydrate Polymers</i> , 2015 , 134, 278-84	10.3	16
49	Optimization, kinetics, equilibrium, and thermodynamic investigation of cationic dye adsorption on the fish bone. <i>Desalination and Water Treatment</i> , 2015 , 53, 2249-2259		3
48	Modification of Nickel Ferrite with Cationic Surfactant: Dye Removal from Textile Wastewater Using Magnetic Separation. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 05014006	2	7
47	Filtration performance of cigarette filter tip containing electrospun nanofibrous filter. <i>Journal of Industrial Textiles</i> , 2015 , 45, 187-198	1.6	7
46	Development of nanofibrous scaffolds containing gum tragacanth/poly (ϵ -caprolactone) for application as skin scaffolds. <i>Materials Science and Engineering C</i> , 2015 , 48, 71-9	8.3	66
45	Modification of wool fabric using prepared chitosan-cyanuric chloride hybrid. <i>Journal of the Textile Institute</i> , 2015 , 106, 80-89	1.5	21
44	Novel Blend Scaffolds from Poly(caprolactone)Chitosan-Poly(vinyl alcohol): Physical, Morphological and Biological Studies. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014 , 4, 245-252	0.3	6
43	Preparation and characterization of chitosan/feldspar biohybrid as an adsorbent: optimization of adsorption process via response surface modeling. <i>Scientific World Journal, The</i> , 2014 , 2014, 370260	2.2	15
42	Feldspar/titanium dioxide/chitosan as a biophotocatalyst hybrid for the removal of organic dyes from aquatic phases. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	10
41	Tissue engineered poly(caprolactone)-chitosan-poly(vinyl alcohol) nanofibrous scaffolds for burn and cutting wound healing. <i>IET Nanobiotechnology</i> , 2014 , 8, 123-31	2	36
40	Modification of carbon nanotubes with cationic surfactant and its application for removal of direct dyes. <i>Desalination and Water Treatment</i> , 2014 , 52, 4356-4368		16
39	Fabrication of novel nanofiber scaffolds from gum tragacanth/poly(vinyl alcohol) for wound dressing application: in vitro evaluation and antibacterial properties. <i>Materials Science and Engineering C</i> , 2013 , 33, 4935-43	8.3	105

38	Eco-friendly grafting of natural biopolymer chitosan onto acylated wool fabrics using ultrasonic and study its properties. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 707-713	2.9	20
37	Electrical conductivity of vapor-grown carbon nanofiber/polyester textile-based composites. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3009-3017	2.9	4
36	Fish Bone as a Low-Cost Adsorbent for Dye Removal from Wastewater: Response Surface Methodology and Classical Method. <i>Environmental Modeling and Assessment</i> , 2013 , 18, 661-670	2	20
35	Decoloration and mineralization of reactive dyes using electron beam irradiation, Part I: Effect of the dye structure, concentration and absorbed dose (single, binary and ternary systems). <i>Radiation Physics and Chemistry</i> , 2012 , 81, 851-856	2.5	14
34	Surfactant-modified feldspar: Isotherm, kinetic, and thermodynamic of binary system dye removal. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 340-349	2.9	11
33	Isotherm, Kinetic, and Thermodynamic of Cationic Dye Removal from Binary System by Feldspar. <i>Separation Science and Technology</i> , 2012 , 47, 1660-1672	2.5	19
32	Oxidation of dyes from colored wastewater using activated carbon/hydrogen peroxide. <i>Desalination</i> , 2011 , 279, 183-189	10.3	34
31	Fabrication of nano-structured electrospun collagen scaffold intended for nerve tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 1555-67	4.5	39
30	The effect of pH on the removal of anionic dyes from colored textile wastewater using a biosorbent. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 2996-3003	2.9	25
29	Dye adsorption and desorption properties of Mentha pulegium in single and binary systems. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 1489-1499	2.9	37
28	Dye removal from colored textile wastewater using chitosan in binary systems. <i>Desalination</i> , 2011 , 267, 64-72	10.3	111
27	Preparation, characterization and dye adsorption properties of biocompatible composite (alginate/titania nanoparticle). <i>Desalination</i> , 2011 , 275, 93-101	10.3	87
26	Effect of Changing Solvents on Poly(-Caprolactone) Nanofibrous Webs Morphology. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-10	3.2	55
25	Decomposition and decoloration of a direct dye by electron beam radiation. <i>Radiation Physics and Chemistry</i> , 2010 , 79, 33-35	2.5	33
24	Grafting of chitosan as a biopolymer onto wool fabric using anhydride bridge and its antibacterial property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 397-403	6	69
23	Novel biocompatible composite (Chitosan-zinc oxide nanoparticle): preparation, characterization and dye adsorption properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 86-93	6	212
22	Novel biosorbent (Canola hull): Surface characterization and dye removal ability at different cationic dye concentrations. <i>Desalination</i> , 2010 , 264, 134-142	10.3	68
21	Electrospinning of poly(vinyl alcohol)-water-soluble quaternized chitosan derivative blend. <i>Carbohydrate Research</i> , 2009 , 344, 2496-501	2.9	80

20	Environmentally friendly surface modification of silk fiber: Chitosan grafting and dyeing. <i>Applied Surface Science</i> , 2009 , 255, 4171-4176	6.7	70
19	Properties of polyacrylonitrile-N-(2-hydroxy) propyl-3-trimethylammonium chitosan chloride blend films and fibers. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 545-554	2.9	23
18	Synthesis, spectral properties and application of novel monoazo disperse dyes derived from N-ester-1,8-naphthalimide to polyester. <i>Dyes and Pigments</i> , 2008 , 76, 684-689	4.6	53
17	Adsorption of binary mixtures of cationic dyes. <i>Dyes and Pigments</i> , 2008 , 76, 784-791	4.6	64
16	Preparation of polyacrylonitrile and cellulose acetate blend fibers through wet-spinning. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2000-2005	2.9	15
15	Radiation grafting of styrene onto polypropylene fibres by a 10 MeV electron beam. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 787-793	2.5	76
14	Investigation on polyacrylonitrile/cellulose acetate blends. <i>Macromolecular Research</i> , 2007 , 15, 605-609	1.9	15
13	Interactions of gemini cationic surfactants with anionic azo dyes and their inhibited effects on dyeability of cotton fabric. <i>Dyes and Pigments</i> , 2007 , 72, 331-338	4.6	80
12	Synthesis and Characterization of Novel Monoazo N-Ester-1,8-Naphthalimide Disperse Dyestuffs. <i>Journal of the Chinese Chemical Society</i> , 2007 , 54, 1021-1028	1.5	8
11	Equilibrium and kinetic adsorption study of a cationic dye by a natural adsorbent--silkworm pupa. <i>Journal of Hazardous Materials</i> , 2007 , 139, 167-74	12.8	135
10	Field Evaluation of Permethrin-treated Military Uniforms Against <i>Anopheles stephensi</i> and 4 species of <i>Culex</i> (Diptera:Culicidae) in Iran. <i>Journal of Entomology</i> , 2006 , 3, 108-118	0.3	9
9	Graft Copolymerization of 2-Hydroxyethyl Methacrylate (HEMA) on Persian Silk Yarn. <i>Research Journal of Textile and Apparel</i> , 2005 , 9, 1-11	1.1	5
8	Kinetics studies on copolymerization of acrylonitrile vinyl acids by solvent/water suspension polymerization. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1284-1291	2.9	10
7	Thermal behavior of acrylonitrile carboxylic acid copolymers. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 685-698	2.9	74
6	Effect of coagulation conditions on properties of poly(acrylonitrile-carboxylic acid) fibers. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1825-1837	2.9	57
5	Thermal and rheological behavior of acrylonitrile-carboxylic acid copolymers and their metal salt complexes. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 567-582	2.9	15
4	Solution polymerization of acrylonitrile with vinyl acids in dimethylformamide. <i>Journal of Applied Polymer Science</i> , 1996 , 59, 1539-1550	2.9	82
3	A comparison between solvent casting and electrospinning methods for the fabrication of neem extract-containing buccal films. <i>Journal of Industrial Textiles</i> , 152808372110277	1.6	2

2	Antibacterial and biological properties of coconut oil loaded poly(ϵ -caprolactone)/gelatin electrospun membranes. <i>Journal of Industrial Textiles</i> ,152808372199159	1.6	3
1	Effect of glass nanofibers on mode I interlaminar fracture toughness of glass/epoxy composites. <i>Journal of the Textile Institute</i> ,1-8	1.5	