Atefeh Solouk

List of Publications by Year
in descending order

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71 papers	2,452 citations	185998 28 h-index	214527 47 g-index
72 all docs	72 docs citations	72 times ranked	3525 citing authors

#	Article	IF	Citations
1	Effect of extraction method on properties of feather keratin grafted modified cotton nonwoven fabric for biomedical applications. Journal of Industrial Textiles, 2022, 51, 2558S-2575S.	1.1	5
2	A novel substrate based on electrospun polyurethane nanofibers and electrosprayed polyvinyl alcohol microparticles for recombinant human erythropoietin delivery. Journal of Biomedical Materials Research - Part A, 2022, 110, 181-195.	2.1	3
3	Hemostatic Electrospun Nanocomposite Containing Poly(lactic acid)/Halloysite Nanotube Functionalized by Poly(amidoamine) Dendrimer for Wound Healing Application: In Vitro and In Vivo Assays. Macromolecular Bioscience, 2022, 22, e2100313.	2.1	4
4	Microstructure Manipulation of Polyurethaneâ€Based Macromolecular Scaffold for Tendon/Ligament Tissue Engineering. Macromolecular Materials and Engineering, 2022, 307, 2100584.	1.7	8
5	Ionic conductive nanocomposite based on poly(l-lactic acid)/poly(amidoamine) dendrimerelectrospun nanofibrous for biomedical application. Biomedical Materials (Bristol), 2022, 17, 015007.	1.7	0
6	Cationic gemini surfactant properties, its potential as a promising bioapplication candidate, and strategies for improving its biocompatibility: A review. Advances in Colloid and Interface Science, 2022, 299, 102581.	7.0	55
7	A dual functional chondro-inductive chitosan thermogel with high shear modulus and sustained drug release for cartilage tissue engineering. International Journal of Biological Macromolecules, 2022, 205, 638-650.	3.6	15
8	Mathematical modeling of electrospinning process of silk fibroin/gelatin nanofibrous mat: Comparison of the accuracy of GMDH and RSM models. Journal of Industrial Textiles, 2021, 50, 1020-1039.	1.1	5
9	Electrospun polyurethane/carbon nanotube composites with different amounts of carbon nanotubes and almost the same fiber diameter for biomedical applications. Materials Science and Engineering C, 2021, 118, 111403.	3.8	41
10	Preparation of internally-crosslinked alginate microspheres: Optimization of process parameters and study of pH-responsive behaviors. Carbohydrate Polymers, 2021, 255, 117336.	5.1	23
11	Development of chitosan membrane using non-toxic crosslinkers for potential wound dressing applications. Polymer Bulletin, 2021, 78, 4919-4929.	1.7	26
12	Tuning poly (L-lactic acid) scaffolds with poly(amidoamine) and poly(propylene imine) dendrimers: surface chemistry, biodegradation and biocompatibility. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 433-447.	1.2	7
13	Crosslinking strategies for silk fibroin hydrogels: promising biomedical materials. Biomedical Materials (Bristol), 2021, 16, 022004.	1.7	37
14	Fabrication of nanocomposite/nanofibrous functionally graded biomimetic scaffolds for osteochondral tissue regeneration. Journal of Biomedical Materials Research - Part A, 2021, 109, 1657-1669.	2.1	19
15	Engineered hemostatic bionanocomposite of poly(lactic acid) electrospun mat and aminoâ€modified halloysite for potential application in wound healing. Polymers for Advanced Technologies, 2021, 32, 3934-3947.	1.6	14
16	Injectable and reversible preformed cryogels based on chemically crosslinked gelatin methacrylate (GelMA) and physically crosslinked hyaluronic acid (HA) for soft tissue engineering. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111725.	2.5	25
17	Novel decorated nanostructured lipid carrier for simultaneous active targeting of three anti-cancer agents. Life Sciences, 2021, 279, 119576.	2.0	10
18	Silk fibroin hydrogel/dexamethasone sodium phosphate loaded chitosan nanoparticles as a potential drug delivery system. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111892.	2.5	34

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19	Amine-terminated dendritic polymers as promising nanoplatform for diagnostic and therapeutic agentsâ€™ modification: A review. European Journal of Medicinal Chemistry, 2021, 221, 113572.	2.6	19
20	Alginate nanoparticles as ocular drug delivery carriers. Journal of Drug Delivery Science and Technology, 2021, 66, 102889.	1.4	20
21	Alginate Based Scaffolds for Cartilage Tissue Engineering: A Review. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 230-247.	1.8	135
22	Chitosan/gum tragacanth/PVA hybrid nanofibrous scaffold for tissue engineering applications. Bioinspired, Biomimetic and Nanobiomaterials, 2020, 9, 16-23.	0.7	9
23	Electrospun polyethylene terephthalate (PET) nanofibrous conduit for biomedical application. Polymers for Advanced Technologies, 2020, 31, 284-296.	1.6	32
24	Injectable drug loaded gelatin based scaffolds as minimally invasive approach for drug delivery system: CNC/PAMAM nanoparticles. European Polymer Journal, 2020, 139, 109992.	2.6	29
25	Silk-derived oxygen-generating electrospun patches for enhancing tissue regeneration: Investigation of calcium peroxide role and its effects on controlled oxygen delivery. Materialia, 2020, 14, 100877.	1.3	19
26	Biomimetic double-sided polypropylene mesh modified by DOPA and ofloxacin loaded carboxyethyl chitosan/polyvinyl alcohol-polycaprolactone nanofibers for potential hernia repair applications. International Journal of Biological Macromolecules, 2020, 165, 902-917.	3.6	22
27	Electrospun Fibroin/Graphene Oxide Nanocomposite Mats: an Optimization for Potential Wound Dressing Applications. Fibers and Polymers, 2020, 21, 480-488.	1.1	10
28	Multilayer nanofibrous patch comprising chamomile loaded carboxyethyl chitosan/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Macromolecules, 2020, 147, 547-559.	3.6	74
29	Injectable in situ forming kartogenin-loaded chitosan hydrogel with tunable rheological properties for cartilage tissue engineering. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111059.	2.5	57
30	An In Vitro Electric Field Exposure Device with Real-Time Cell Impedance Sensing. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 575-585.	0.7	1
31	Mussel-inspired polydopamine-coated silk fibroin as a promising biomaterial. Bioinspired, Biomimetic and Nanobiomaterials, 2020, 9, 147-154.	0.7	4
32	Electrospun PET/PCL small diameter nanofibrous conduit for biomedical application. Materials Science and Engineering C, 2020, 110, 110692.	3.8	31
33	Studying the Potential Application of Electrospun Polyethylene Terephthalate/Graphene Oxide Nanofibers as Electroconductive Cardiac Patch. Macromolecular Materials and Engineering, 2019, 304, 1900187.	1.7	44
34	Fabrications of small diameter compliance bypass conduit using electrospinning of clinical grade polyurethane. Vascular, 2019, 27, 636-647.	0.4	8
35	Improvement of the Electrospinnability of Silk Fibroin Solution by Atmospheric Pressure Plasma Treatment. Fibers and Polymers, 2019, 20, 1594-1600.	1.1	16
36	Polyvinyl alcohol/soy protein isolate nanofibrous patch for wound-healing applications. Progress in Biomaterials, 2019, 8, 185-196.	1.8	40

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37	Safely Dissolvable and Healable Active Packaging Films Based on Alginate and Pectin. Polymers, 2019, 11, 1594.	2.0	56
38	Curcumin-Loaded Starch Micro/Nano Particles for Biomedical Application: The Effects of Preparation Parameters on Release Profile. Starch/Staerke, 2019, 71, 1800305.	1.1	6
39	Surface engineering of titanium-based implants using electrospraying and dip coating methods. Materials Science and Engineering C, 2019, 99, 620-630.	3.8	35
40	Electroconductive polyurethane/graphene nanocomposite for biomedical applications. Composites Part B: Engineering, 2019, 168, 421-431.	5.9	87
41	Mechanical guidelines on the properties of human healthy arteries in the design and fabrication of vascular grafts: experimental tests and quasi-linear viscoelastic model. Acta of Bioengineering and Biomechanics, 2019, 21, 13-21.	0.2	2
42	Nanotubes in nanofibers: Antibacterial multilayered polylactic acid/halloysite/gentamicin membranes for bone regeneration application. Applied Clay Science, 2018, 160, 95-105.	2.6	64
43	Modification of electrospun poly(<scp>L</scp>-lactic acid)/polyethylenimine nanofibrous scaffolds for biomedical application. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 247-257.	1.8	19
44	Osteochondral scaffolds based on electrospinning method: General review on new and emerging approaches. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 913-924.	1.8	12
45	Electrospun nanofibers comprising of silk fibroin/gelatin for drug delivery applications: Thyme essential oil and doxycycline monohydrate release study. Journal of Biomedical Materials Research - Part A, 2018, 106, 1092-1103.	2.1	113
46	Enhanced cellular response elicited by addition of amniotic fluid to alginate hydrogel-electrospun silk fibroin fibers for potential wound dressing application. Colloids and Surfaces B: Biointerfaces, 2018, 172, 82-89.	2.5	72
47	Stem cells for tissue engineered vascular bypass grafts. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 999-1010.	1.9	9
48	Biomimetic modification of polyurethane-based nanofibrous vascular grafts: A promising approach towards stable endothelial lining. Materials Science and Engineering C, 2017, 80, 213-221.	3.8	70
49	A comparison of the material properties of natural and synthetic vascular walls. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 71, 209-215.	1.5	4
50	Preparation and characterization of a composite biomaterial including starch micro/nano particles loaded chitosan gel. Carbohydrate Polymers, 2017, 174, 633-645.	5.1	26
51	PLLA scaffolds surface-engineered via poly (propylene imine) dendrimers for improvement on its biocompatibility/controlled pH biodegradability. Applied Surface Science, 2017, 394, 446-456.	3.1	25
52	Magnetic responsive of paclitaxel delivery system based on SPION and palmitoyl chitosan. Journal of Magnetism and Magnetic Materials, 2017, 421, 316-325.	1.0	35
53	Erythropoietin-Loaded Nanofibrous Patch for Regeneration of Infarcted Myocardium. , 2017, , .		0
54	Biomimetic modification of silicone tubes using sodium nitriteâ€“collagen immobilization accelerates endothelialization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1311-1321.	1.6	7

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55	Effect of crosslinking procedure on structural, thermal, and functional performances of cellulosic nanofibers: A comparison between chemical and photochemical crosslinking. Journal of Applied Polymer Science, 2016, 133, .	1.3	18
56	Evaluation of physical properties of semi-thickness skin, acellular dermis and fascia as biologic skin substitutes. , 2016, , .		0
57	A review of key challenges of electrospun scaffolds for tissue-engineering applications. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 715-738.	1.3	395
58	Differentiation of Whartonâ€™s Jelly-Derived Mesenchymal Stem Cells into Motor Neuron-Like Cells on Three-Dimensional Collagen-Grafted Nanofibers. Molecular Neurobiology, 2016, 53, 2397-2408.	1.9	64
59	Electrospun silk-based nanofibrous scaffolds: fiber diameter and oxygen transfer. Progress in Biomaterials, 2016, 5, 71-80.	1.8	33
60	Personalized development of human organs using 3D printing technology. Medical Hypotheses, 2016, 87, 30-33.	0.8	77
61	Thermoresponsive antimicrobial wound dressings via simultaneous thiol-ene polymerization and in situ generation of silver nanoparticles. RSC Advances, 2015, 5, 66024-66036.	1.7	21
62	Preventing in-stent restenosis using lipoprotein (a), lipid and cholesterol adsorbent materials. Medical Hypotheses, 2015, 85, 986-988.	0.8	7
63	Biomimetic modified clinical-grade POSS-PCU nanocomposite polymer for bypass graft applications: A preliminary assessment of endothelial cell adhesion and haemocompatibility. Materials Science and Engineering C, 2015, 46, 400-408.	3.8	49
64	Effects of Hydrostatic Pressure on Biosynthetic Activity during Chondrogenic Differentiation of MSCs in Hybrid Scaffolds. International Journal of Artificial Organs, 2014, 37, 142-148.	0.7	25
65	Injectable scaffold as minimally invasive technique for cartilage tissue engineering: in vitro and in vivo preliminary study. Progress in Biomaterials, 2014, 3, 143-151.	1.8	17
66	Polyurethane Coatings Derived from 1,2,3-Triazole-Functionalized Soybean Oil-Based Polyols: Studying their Physical, Mechanical, Thermal, and Biological Properties. Macromolecules, 2013, 46, 7777-7788.	2.2	63
67	Collagenâ€immobilized patch for repairing small tympanic membrane perforations: In vitro and in vivo assays. Journal of Biomedical Materials Research - Part A, 2012, 100A, 549-553.	2.1	24
68	Surface modification of POSSâ€nanocomposite biomaterials using reactive oxygen plasma treatment for cardiovascular surgical implant applications. Biotechnology and Applied Biochemistry, 2011, 58, 147-161.	1.4	39
69	Application of plasma surface modification techniques to improve hemocompatibility of vascular grafts: A review. Biotechnology and Applied Biochemistry, 2011, 58, 311-327.	1.4	45
70	The study of collagen immobilization on a novel nanocomposite to enhance cell adhesion and growth. Iranian Biomedical Journal, 2011, 15, 6-14.	0.4	7
71	Synthesis, Characterization and Preliminary Investigation of Blood Compatibility of Novel Epoxy-modified Polyurethane Networks. Journal of Bioactive and Compatible Polymers, 2008, 23, 276-300.	0.8	18