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List of Publications by Citations

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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.

74
papers

2,820
citations

33
h-index

52
g-index

77
ext. papers

3,744
ext. citations

5.5
avg, IF

5.99
L-index

#	Paper	IF	Citations
74	Novel electrospun chitosan/polyvinyl alcohol/zinc oxide nanofibrous mats with antibacterial and antioxidant properties for diabetic wound healing. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 385-393	7.9	200
73	Electrospun polycaprolactone/ZnO nanocomposite membranes as biomaterials with antibacterial and cell adhesion properties. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	182
72	Electrospun polycaprolactone membranes incorporated with ZnO nanoparticles as skin substitutes with enhanced fibroblast proliferation and wound healing. <i>RSC Advances</i> , 2014 , 4, 24777	3.7	140
71	Investigation of angiogenesis and its mechanism using zinc oxide nanoparticle-loaded electrospun tissue engineering scaffolds. <i>RSC Advances</i> , 2014 , 4, 51528-51536	3.7	127
70	Electrospun poly(vinylidene fluoride-trifluoroethylene)/zinc oxide nanocomposite tissue engineering scaffolds with enhanced cell adhesion and blood vessel formation. <i>Nano Research</i> , 2017 , 10, 3358-3376	10	107
69	Extracellular biosynthesis of iron oxide nanoparticles by <i>Bacillus subtilis</i> strains isolated from rhizosphere soil. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 835-840	3.1	103
68	Electrospun PCL membranes incorporated with biosynthesized silver nanoparticles as antibacterial wound dressings. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 337-344	3.3	96
67	Electrospun chitosan membranes containing bioactive and therapeutic agents for enhanced wound healing. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 153-170	7.9	81
66	Skin bioprinting: a novel approach for creating artificial skin from synthetic and natural building blocks. <i>Progress in Biomaterials</i> , 2018 , 7, 77-92	4.4	80
65	Electrospun polycaprolactone (PCL) scaffolds embedded with europium hydroxide nanorods (EHNs) with enhanced vascularization and cell proliferation for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4660-4672	7.3	79
64	Advancement of wound care from grafts to bioengineered smart skin substitutes. <i>Progress in Biomaterials</i> , 2014 , 3, 103-113	4.4	77
63	Loop-Mediated Isothermal Amplification (LAMP): A Rapid, Sensitive, Specific, and Cost-Effective Point-of-Care Test for Coronaviruses in the Context of COVID-19 Pandemic. <i>Biology</i> , 2020 , 9,	4.9	76
62	Recent advances in electrospun polycaprolactone based scaffolds for wound healing and skin bioengineering applications. <i>Materials Today Communications</i> , 2019 , 19, 319-335	2.5	69
61	Cerium Oxide Nanoparticle Incorporated Electrospun Poly(3-hydroxybutyrate--3-hydroxyvalerate) Membranes for Diabetic Wound Healing Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 58-70	5.5	69
60	Electrospun poly(ε-caprolactone)-based skin substitutes: In vivo evaluation of wound healing and the mechanism of cell proliferation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 1445-54	3.5	63
59	Reduced Graphene Oxide Incorporated GelMA Hydrogel Promotes Angiogenesis For Wound Healing Applications. <i>International Journal of Nanomedicine</i> , 2019 , 14, 9603-9617	7.3	60
58	A facile and rapid method for the black pepper leaf mediated green synthesis of silver nanoparticles and the antimicrobial study. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 809-818	3.3	59

57	Challenges in oral drug delivery of antiretrovirals and the innovative strategies to overcome them. <i>Advanced Drug Delivery Reviews</i> , 2016 , 103, 105-120	18.5	58
56	Effect of zinc oxide nanoparticles on the in vitro degradation of electrospun polycaprolactone membranes in simulated body fluid. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 28-37	3	49
55	Metal Oxide Nanoparticles as Versatile Therapeutic Agents Modulating Cell Signaling Pathways: Linking Nanotechnology with Molecular Medicine. <i>Applied Materials Today</i> , 2017 , 7, 91-103	6.6	46
54	CTGF Loaded Electrospun Dual Porous Core-Shell Membrane For Diabetic Wound Healing. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8573-8588	7.3	46
53	Electrospun polyvinyl alcohol membranes incorporated with green synthesized silver nanoparticles for wound dressing applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 163	4.5	46
52	Cell Adhesion on Polycaprolactone Modified by Plasma Treatment. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-9	2.4	45
51	Dose-Dependent Effects of Gamma Irradiation on the Materials Properties and Cell Proliferation of Electrospun Polycaprolactone Tissue Engineering Scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 526-533	3	44
50	Yttrium oxide nanoparticle loaded scaffolds with enhanced cell adhesion and vascularization for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2019 , 103, 109801	8.3	43
49	Emerging applications of biocompatible phytosynthesized metal/metal oxide nanoparticles in healthcare. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 56, 101516	4.5	41
48	Nitric oxide releasing chitosan-poly (vinyl alcohol) hydrogel promotes angiogenesis in chick embryo model. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 901-910	7.9	40
47	An in vitro method for the determination of microbial barrier property (MBP) of porous polymeric membranes for skin substitute and wound dressing applications. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 12-19	4.5	39
46	Natural halloysite nanotubes /chitosan based bio-nanocomposite for delivering norfloxacin, an anti-microbial agent in sustained release manner. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1849-1861	7.9	38
45	Growth factor loaded in situ photocrosslinkable poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/gelatin methacryloyl hybrid patch for diabetic wound healing. <i>Materials Science and Engineering C</i> , 2021 , 118, 111519	8.3	37
44	Clogging-Free Electrospinning of Polycaprolactone Using Acetic Acid/Acetone Mixture. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 518-529		36
43	Nanoparticle-in-microparticle oral drug delivery system of a clinically relevant darunavir/ritonavir antiretroviral combination. <i>Acta Biomaterialia</i> , 2018 , 74, 344-359	10.8	36
42	Fabrication and characterization of biosilver nanoparticles loaded calcium pectinate nano-micro dual-porous antibacterial wound dressings. <i>Progress in Biomaterials</i> , 2016 , 5, 223-235	4.4	36
41	Surface Acoustic Wave Device with Reduced Insertion Loss by Electrospinning P(VDF-TrFE)/ZnO Nanocomposites. <i>Nano-Micro Letters</i> , 2016 , 8, 282-290	19.5	32
40	Nanoceria Can Act as the Cues for Angiogenesis in Tissue-Engineering Scaffolds: Toward Next-Generation in Situ Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 4338-4353	5.5	31

39	Biopolymers for Health, Food, and Cosmetic Applications 2013 , 801-849		30
38	3D Bioprinted cancer models: Revolutionizing personalized cancer therapy. <i>Translational Oncology</i> , 2021 , 14, 101015	4.9	29
37	Rapid Antibody-Based COVID-19 Mass Surveillance: Relevance, Challenges, and Prospects in a Pandemic and Post-Pandemic World. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	28
36	Chitosan ascorbate hydrogel improves water uptake capacity and cell adhesion of electrospun poly(epsilon-caprolactone) membranes. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 420-426	6.5	27
35	Gentamicin Loaded Electrospun Poly(ECaprolactone)/TiO2 Nanocomposite Membranes with Antibacterial Property against Methicillin Resistant Staphylococcus aureus. <i>Polymer-Plastics Technology and Engineering</i> , 2016 , 55, 1785-1796		24
34	Titanium Nanorods Loaded PCL Meshes with Enhanced Blood Vessel Formation and Cell Migration for Wound Dressing Applications. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900058	5.5	23
33	Novel drug delivery systems based on triaxial electrospinning based nanofibers. <i>Reactive and Functional Polymers</i> , 2021 , 163, 104895	4.6	23
32	Therapeutic angiogenesis: From conventional approaches to recent nanotechnology-based interventions. <i>Materials Science and Engineering C</i> , 2019 , 97, 994-1008	8.3	21
31	Development of titanium dioxide nanowire incorporated poly(vinylidene fluoride-trifluoroethylene) scaffolds for bone tissue engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 96	4.5	19
30	Cellular uptake and retention of nanoparticles: Insights on particle properties and interaction with cellular components. <i>Materials Today Communications</i> , 2020 , 25, 101692	2.5	19
29	Cerium Oxide Nanoparticle-Loaded Gelatin Methacryloyl Hydrogel Wound-Healing Patch with Free Radical Scavenging Activity. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 279-290	5.5	18
28	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. <i>Emergent Materials</i> , 2019 , 2, 141-151	3.5	17
27	MXene Nanosheets May Induce Toxic Effect on the Early Stage of Embryogenesis. <i>Journal of Biomedical Nanotechnology</i> , 2020 , 16, 364-372	4	17
26	Active agents loaded extracellular matrix mimetic electrospun membranes for wound healing applications. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 63, 102500	4.5	11
25	Imaging cancer cells with nanostructures: Prospects of nanotechnology driven non-invasive cancer diagnosis. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102457	14.3	11
24	NiFe2O4/poly(ethylene glycol)/lipid polymer hybrid nanoparticles for anti-cancer drug delivery. <i>New Journal of Chemistry</i> , 2020 , 44, 18162-18172	3.6	9
23	Stem cell-based approaches in cardiac tissue engineering: controlling the microenvironment for autologous cells. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 138, 111425	7.5	9
22	Monitoring and separation of food-borne pathogens using magnetic nanoparticles 2016 , 271-312		8

21	Carboxymethylcellulose hybrid nanodispersions for edible coatings with potential anti-cancer properties. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 350-358	7.9	7
20	Multimodal applications of phytonanoparticles 2020 , 195-219		7
19	Gelatin-methacryloyl hydrogel based blood-brain barrier model for studying breast cancer-associated brain metastasis. <i>Pharmaceutical Development and Technology</i> , 2021 , 26, 490-500	3.4	7
18	Tissue Engineering: Principles, Recent Trends and the Future 2016 , 31-82		4
17	Microbial Barrier Property and Blood Compatibility Studies of Electrospun Poly-εCaprolactone/ Zinc Oxide Nanocomposite Scaffolds. <i>Journal of Siberian Federal University - Biology</i> , 2017 , 10, 226-236	0.3	4
16	Increased complications of COVID-19 in people with cardiovascular disease: Role of the renin-angiotensin-aldosterone system (RAAS) dysregulation. <i>Chemico-Biological Interactions</i> , 2021 , 351, 109738	5	4
15	Bioengineered microfluidic blood-brain barrier models in oncology research. <i>Translational Oncology</i> , 2021 , 14, 101087	4.9	4
14	Reactive Nitrogen Species Releasing Hydrogel for Enhanced Wound Healing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3939-3942	0.9	4
13	Stromal cell-derived factor loaded co-electrospun hydrophilic/hydrophobic bicomponent membranes for wound protection and healing.. <i>RSC Advances</i> , 2020 , 11, 572-583	3.7	4
12	A novel in ovo model to study cancer metastasis using chicken embryos and GFP expressing cancer cells. <i>Bosnian Journal of Basic Medical Sciences</i> , 2020 , 20, 140-148	3.3	3
11	Stem cells based models: Trends and prospects in biomaterials cytotoxicity studies. <i>Biomedical Materials (Bristol)</i> , 2021 ,	3.5	3
10	Graphene Oxide Loaded Hydrogel for Enhanced Wound Healing in Diabetic Patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3943-3946	0.9	3
9	Development of nitric oxide releasing visible light crosslinked gelatin methacrylate hydrogel for rapid closure of diabetic wounds. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111747	7.5	3
8	Effect Of Compatibilizer: Filler Ratio On The Tensile, Barrier And Thermal Properties Of polyethylene Composite Films Manufactured From Natural Fiber And Nanoclay 2016 , 89-108		2
7	Nitric oxide-releasing biomaterials for promoting wound healing in impaired diabetic wounds: State of the art and recent trends.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 149, 112707	7.5	2
6	Cellular response to nanobiomaterials 2020 , 473-504		1
5	Spatial mapping of cancer tissues by OMICS technologies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021 , 188663	11.2	1
4	Growth factor releasing core-shell polymeric scaffolds for tissue engineering applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 1066-1069	0.9	1

- 3 Crosslinking Strategies to Develop Hydrogels for Biomedical Applications. *Gels Horizons: From Science To Smart Materials*, **2021**, 21-57 1
- 2 Electrospinning and Three-Dimensional (3D) Printing for Biofabrication **2022**, 555-604 0
- 1 Nanomedicine: From Concept to Reality **2016**, 1-30