Mohan P Mani

List of Publications by Year
in descending order

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52	810	471509	580821
papers	citations	17	25
		h-index	g-index

52	52	52	771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cancer-related fatigue treatment: An overview. Journal of Cancer Research and Therapeutics, 2017, 13, 916-929.	0.9	46
2	Singleâ€stage synthesis of electrospun polyurethane scaffold impregnated with zinc nitrate nanofibers for wound healing applications. Journal of Applied Polymer Science, 2019, 136, 46942.	2.6	43
3	Fabrication and characterisation of nanofibrous polyurethane scaffold incorporated with corn and neem oil using single stage electrospinning technique for bone tissue engineering applications. Journal of Polymer Research, 2018, 25, 1.	2.4	42
4	Biomimetic electrospun polyurethane matrix composites with tailor made properties for bone tissue engineering scaffolds. Polymer Testing, 2019, 78, 105955.	4.8	40
5	Electrospun polyurethane nanofibrous composite impregnated with metallic copper for wound-healing application. 3 Biotech, 2018, 8, 327.	2.2	38
6	Engineering electrospun multicomponent polyurethane scaffolding platform comprising grapeseed oil and honey/propolis for bone tissue regeneration. PLoS ONE, 2018, 13, e0205699.	2.5	36
7	Engineered electrospun polyurethane and castor oil nanocomposite scaffolds for cardiovascular applications. Journal of Materials Science, 2017, 52, 10673-10685.	3.7	33
8	Manufacturing and Characterization of Novel Electrospun Composite Comprising Polyurethane and Mustard Oil Scaffold with Enhanced Blood Compatibility. Polymers, 2017, 9, 163.	4.5	29
9	A review on 3D printing in tissue engineering applications. Journal of Polymer Engineering, 2022, 42, 243-265.	1.4	29
10	Blood compatibility and physicochemical assessment of novel nanocomposite comprising polyurethane and dietary carotino oil for cardiac tissue engineering applications. Journal of Applied Polymer Science, 2018, 135, 45691.	2.6	28
11	Development and blood compatibility assessment of electrospun polyvinyl alcohol blended with metallocene polyethylene and plectranthus amboinicus (PVA/mPE/PA) for bone tissue engineering. International Journal of Nanomedicine, 2018, Volume 13, 2777-2788.	6.7	28
12	Preparation, characterization and blood compatibility assessment of a novel electrospun nanocomposite comprising polyurethane and ayurvedic-indhulekha oil for tissue engineering applications. Biomedizinische Technik, 2018, 63, 245-253.	0.8	25
13	Appraisal of electrospun textile scaffold comprising polyurethane decorated with ginger nanofibers for wound healing applications. Journal of Industrial Textiles, 2019, 49, 648-662.	2.4	24
14	Electrospun Combination of Peppermint Oil and Copper Sulphate with Conducive Physico-Chemical properties for Wound Dressing Applications. Polymers, 2019, 11, 586.	4.5	22
15	Enriched mechanical, thermal, and blood compatibility of single stage electrospun polyurethane nickel oxide nanocomposite for cardiac tissue engineering. Polymer Composites, 2019, 40, 2381-2390.	4.6	20
16	Fabrication and Testing of Electrospun Polyurethane Blended with Chitosan Nanoparticles for Vascular Graft Applications. Cardiovascular Engineering and Technology, 2018, 9, 503-513.	1.6	17
17	Morphological, thermal, and bloodâ€compatible properties of electrospun nanocomposites for tissue engineering application. Polymer Composites, 2018, 39, E132.	4.6	17
18	Single stage electrospun multicomponent scaffold for bone tissue engineering application. Polymer Testing, 2018, 70, 244-254.	4.8	17

#	Article	IF	Citations
19	Tailorâ€made multicomponent electrospun polyurethane nanofibrous composite scaffold comprising olive oil, honey, and propolis for bone tissue engineering. Polymer Composites, 2019, 40, 2039-2050.	4.6	16
20	Development of advanced nanostructured polyurethane composites comprising hybrid fillers with enhanced properties for regenerative medicine. Polymer Testing, 2019, 73, 12-20.	4.8	15
21	Engineered Electrospun Polyurethane Composite Patch Combined with Bi-functional Components Rendering High Strength for Cardiac Tissue Engineering. Polymers, 2019, 11, 705.	4.5	14
22	The potential of biomimetic nanofibrous electrospun scaffold comprising dual component for bone tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 204-218.	1.9	14
23	Enriched Mechanical Strength and Bone Mineralisation of Electrospun Biomimetic Scaffold Laden with Ylang Ylang Oil and Zinc Nitrate for Bone Tissue Engineering. Polymers, 2019, 11, 1323.	4.5	13
24	Multifaceted Characterization And In Vitro Assessment Of Polyurethane-Based Electrospun Fibrous Composite For Bone Tissue Engineering . International Journal of Nanomedicine, 2019, Volume 14, 8149-8159.	6.7	13
25	Enriched physicochemical and blood-compatible properties of nanofibrous polyurethane patch engrafted with juniper oil and titanium dioxide for cardiac tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 696-708.	1.9	13
26	Fabrication and characterization of polyurethane patch loaded with palmarosa and cobalt nitrate for cardiac tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 399-411.	1.9	13
27	Production, blood compatibility and cytotoxicity evaluation of a single stage non-woven multicomponent electrospun scaffold mixed with sesame oil, honey and propolis for skin tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 457-474.	1.9	13
28	Green-Synthesized Zinc Oxide Nanoparticles Decorated Nanofibrous Polyurethane Mesh Loaded with Virgin Coconut Oil for Tissue Engineering Application. Current Nanoscience, 2018, 14, 280-289.	1.2	13
29	Fabrication and characterization of electrospun polyurethane blended with dietary grapes for skin tissue engineering. Journal of Industrial Textiles, 2020, 50, 655-674.	2.4	12
30	Single-stage electrospun innovative combination of polyurethane and neem oil: Synthesis, characterization and appraisal of blood compatibility. Journal of Bioactive and Compatible Polymers, 2018, 33, 573-584.	2.1	11
31	Physicochemical and blood compatibility characteristics of garlic incorporated polyurethane nanofibrous scaffold for wound dressing applications. Journal of the Textile Institute, 2019, 110, 1615-1623.	1.9	11
32	In vitro blood compatibility and bone mineralization aspects of polymeric scaffold laden with essential oil and metallic particles for bone tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 504-516.	1.9	11
33	Green synthesis of nickel oxide particles and its integration into polyurethane scaffold matrix ornamented with groundnut oil for bone tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 571-583.	1.9	10
34	Fabrication and characterization of tailor-made novel electrospun fibrous polyurethane scaffolds decorated with propolis and neem oil for tissue engineering applications. Journal of Industrial Textiles, 2020, 49, 1178-1197.	2.4	10
35	Microwave-Assisted Dip Coating of Aloe Vera on Metallocene Polyethylene Incorporated with Nano-Rods of Hydroxyapaptite for Bone Tissue Engineering. Coatings, 2017, 7, 182.	2.6	9
36	Augmented physicoâ€chemical, crystalline, mechanical, and biocompatible properties of electrospun polyurethane titanium dioxide composite patch for cardiac tissue engineering. Polymer Composites, 2019, 40, 3758-3767.	4.6	9

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37	Electrospun polyurethane patch in combination with cedarwood and cobalt nitrate for cardiac applications. Journal of Applied Polymer Science, 2019, 136, 48226.	2.6	8
38	Physicochemical assessment of tailor made fibrous polyurethane scaffolds incorporated with turmeric oil for wound healing applications. International Journal of Polymer Analysis and Characterization, 2019, 24, 752-762.	1.9	7
39	Blood compatibility assessments of novel electrospun PVA/egg white nanocomposite membrane. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 213-218.	0.9	6
40	Enhanced mechanical, thermal and biocompatible nature of dual component electrospun nanocomposite for bone tissue engineering. PeerJ, 2019, 7, e6986.	2.0	6
41	Blood compatibility assessments of electrospun polyurethane nanocomposites blended with megni oil for tissue engineering applications. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20190018.	0.8	5
42	Engineered multicomponent electrospun nanocomposite scaffolds comprising polyurethane loaded with ghee and propolis for bone tissue repair. Journal of Industrial Textiles, 2022, 51, 3201S-3218S.	2.4	5
43	Fabrication and characterization of a novel wound scaffold based on polyurethane added with Channa striatus for wound dressing applications. International Journal of Polymer Analysis and Characterization, 2020, 25, 126-133.	1.9	4
44	Surface, thermal and hemocompatible properties of novel single stage electrospun nanocomposites comprising polyurethane blended with bio oilTM. Anais Da Academia Brasileira De Ciencias, 2017, 89, 2411-2422.	0.8	3
45	Electrospinning synthesis and assessment of physicochemical properties and biocompatibility of cobalt nitrate fibers for wound healing applications. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20180237.	0.8	3
46	Evaluation of electrospun polyurethane scaffolds loaded with cerium oxide for bone tissue engineering. Journal of Industrial Textiles, 2022, 51, 3413S-3429S.	2.4	3
47	Morphological properties of almond oil constituted nanofibrous scaffold for bone tissue engineering. Polymers and Polymer Composites, 2020, 28, 233-241.	1.9	2
48	Electrospun novel nanocomposite comprising polyurethane integrated with ayurveda amla oil for bone tissue engineering. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20180369.	0.8	2
49	Development and blood compatibility evaluation of novel fibrous textile scaffold based on polyurethane amalgamated with Alternanthera sessilis oil for the bone tissue engineering. Journal of Industrial Textiles, 2020, , 152808372090680.	2.4	1
50	Compatible properties and behaviour of dually loaded electrospun polyurethane bone tissue scaffolds. Journal of Industrial Textiles, 0, , 152808372199606.	2.4	1
51	Investigation of attributes of bourbon oil and cobalt nitrate constituted electrospun nanoscaffolds for blood compatibility and in vitro bone formation. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20201140.	0.8	0
52	Engineered properties of polyurethane laden with beetroot and cerium oxide for cardiac patch application. Journal of Industrial Textiles, 0, , 152808372110542.	2.4	0