Mohan Prasath Mani

List of Publications by Year
in descending order

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47	764	516215	580395
papers	citations	16 h-index	25 g-index

47	47	47	687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of functional nanofibrous electrospun polyurethane and murivenna oil with improved haemocompatibility for wound healing. Polymer Testing, 2017, 61, 106-113.	2.3	60
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.	1.3	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.	1.2	42
4	Biomimetic electrospun polyurethane matrix composites with tailor made properties for bone tissue engineering scaffolds. Polymer Testing, 2019, 78, 105955.	2.3	40
5	Electrospun polyurethane nanofibrous composite impregnated with metallic copper for wound-healing application. 3 Biotech, 2018, 8, 327.	1.1	38
6	Engineering electrospun multicomponent polyurethane scaffolding platform comprising grapeseed oil and honey/propolis for bone tissue regeneration. PLoS ONE, 2018, 13, e0205699.	1.1	36
7	Engineered electrospun polyurethane and castor oil nanocomposite scaffolds for cardiovascular applications. Journal of Materials Science, 2017, 52, 10673-10685.	1.7	33
8	Manufacturing and Characterization of Novel Electrospun Composite Comprising Polyurethane and Mustard Oil Scaffold with Enhanced Blood Compatibility. Polymers, 2017, 9, 163.	2.0	29
9	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.	1.3	28
10	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.	3.3	28
11	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.	0.9	25
12	Appraisal of electrospun textile scaffold comprising polyurethane decorated with ginger nanofibers for wound healing applications. Journal of Industrial Textiles, 2019, 49, 648-662.	1.1	24
13	Electrospun Combination of Peppermint Oil and Copper Sulphate with Conducive Physico-Chemical properties for Wound Dressing Applications. Polymers, 2019, 11, 586.	2.0	22
14	Enriched mechanical, thermal, and blood compatibility of single stage electrospun polyurethane nickel oxide nanocomposite for cardiac tissue engineering. Polymer Composites, 2019, 40, 2381-2390.	2.3	20
15	Fabrication and Testing of Electrospun Polyurethane Blended with Chitosan Nanoparticles for Vascular Graft Applications. Cardiovascular Engineering and Technology, 2018, 9, 503-513.	0.7	17
16	Morphological, thermal, and bloodâ€compatible properties of electrospun nanocomposites for tissue engineering application. Polymer Composites, 2018, 39, E132.	2.3	17
17	Single stage electrospun multicomponent scaffold for bone tissue engineering application. Polymer Testing, 2018, 70, 244-254.	2.3	17
18	Tailorâ€made multicomponent electrospun polyurethane nanofibrous composite scaffold comprising olive oil, honey, and propolis for bone tissue engineering. Polymer Composites, 2019, 40, 2039-2050.	2.3	16

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19	Development of advanced nanostructured polyurethane composites comprising hybrid fillers with enhanced properties for regenerative medicine. Polymer Testing, 2019, 73, 12-20.	2.3	15
20	Engineered Electrospun Polyurethane Composite Patch Combined with Bi-functional Components Rendering High Strength for Cardiac Tissue Engineering. Polymers, 2019, 11, 705.	2.0	14
21	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.	0.9	14
22	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.	2.0	13
23	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.	3.3	13
24	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.	0.9	13
25	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.	0.9	13
26	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.	0.9	13
27	Fabrication and characterization of electrospun polyurethane blended with dietary grapes for skin tissue engineering. Journal of Industrial Textiles, 2020, 50, 655-674.	1.1	12
28	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.	0.8	11
29	Physicochemical and blood compatibility characteristics of garlic incorporated polyurethane nanofibrous scaffold for wound dressing applications. Journal of the Textile Institute, 2019, 110, 1615-1623.	1.0	11
30	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.	0.9	11
31	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.	0.9	10
32	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.	1.1	10
33	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.	2.3	9
34	Electrospun polyurethane patch in combination with cedarwood and cobalt nitrate for cardiac applications. Journal of Applied Polymer Science, 2019, 136, 48226.	1.3	8
35	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.	0.9	7
36	Blood compatibility assessments of novel electrospun PVA/egg white nanocomposite membrane. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 213-218.	0.7	6

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37	Enhanced mechanical, thermal and biocompatible nature of dual component electrospun nanocomposite for bone tissue engineering. PeerJ, 2019, 7, e6986.	0.9	6
38	Engineered multicomponent electrospun nanocomposite scaffolds comprising polyurethane loaded with ghee and propolis for bone tissue repair. Journal of Industrial Textiles, 2022, 51, 3201S-3218S.	1.1	5
39	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.	0.9	4
40	Blood compatibility investigation of nanofibrous PUâ€“copper nanoparticlesâ€“avocado membrane. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 238-248.	0.7	3
41	Evaluation of electrospun polyurethane scaffolds loaded with cerium oxide for bone tissue engineering. Journal of Industrial Textiles, 2022, 51, 3413S-3429S.	1.1	3
42	Morphological properties of almond oil constituted nanofibrous scaffold for bone tissue engineering. Polymers and Polymer Composites, 2020, 28, 233-241.	1.0	2
43	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.	1.1	1
44	Physico-chemical and mechanical properties of novel electrospun polyurethane composite with enhanced blood compatibility. Pigment and Resin Technology, 2021, ahead-of-print, .	0.5	1
45	Engineered polymer matrix novel biocompatible materials decorated with eucalyptus oil and zinc nitrate with superior mechanical and bone forming abilities. Arabian Journal of Chemistry, 2022, 15, 104079.	2.3	1
46	Grapefruit Oil and Cobalt Nitrate-Loaded Polyurethane Hybrid Nanofibrous Scaffold for Biomedical Applications. Frontiers in Materials, 2022, 9, .	1.2	0
47	Engineered properties of polyurethane laden with beetroot and cerium oxide for cardiac patch application. Journal of Industrial Textiles, 0, , 152808372110542.	1.1	0