Naznin Sultana

List of Publications by Year
in descending order

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61 papers	1,108 citations	394421 19 h-index	434195 31 g-index
63 all docs	63 docs citations	63 times ranked	1688 citing authors

#	Article	IF	Citations
1	Fabrication of HA/PHBV composite scaffolds through the emulsion freezing/freeze-drying process and characterisation of the scaffolds. Journal of Materials Science: Materials in Medicine, 2008, 19, 2555-2561.	3.6	150
2	PHBV/PLLA-based composite scaffolds fabricated using an emulsion freezing/freeze-drying technique for bone tissue engineering: surface modification and in vitro biological evaluation. Biofabrication, 2012, 4, 015003.	7.1	110
3	Conductive PEDOT:PSS coated polylactide (PLA) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) electrospun membranes: Fabrication and characterization. Materials Science and Engineering C, 2016, 61, 396-410.	7.3	59
4	In VitroDegradation of PHBV Scaffolds and nHA/PHBV Composite Scaffolds Containing Hydroxyapatite Nanoparticles for Bone Tissue Engineering. Journal of Nanomaterials, 2012, 2012, 1-12.	2.7	53
5	Fabrication and Evaluation of Polycaprolactone/Gelatin-Based Electrospun Nanofibers with Antibacterial Properties. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	53
6	Characterization, drug loading and antibacterial activity of nanohydroxyapatite/polycaprolactone (nHA/PCL) electrospun membrane. 3 Biotech, 2017, 7, 249.	2.2	52
7	Water Absorption and Diffusion Characteristics of Nanohydroxyapatite (nHA) and Poly(hydroxybutyrate-co-hydroxyvalerate-) Based Composite Tissue Engineering Scaffolds and Nonporous Thin Films. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	44
8	PHBV/PLLA-based composite scaffolds containing nano-sized hydroxyapatite particles for bone tissue engineering. Journal of Experimental Nanoscience, 2008, 3, 121-132.	2.4	42
9	Chitosan-Based Nanocomposite Scaffolds for Tissue Engineering Applications. Materials and Manufacturing Processes, 2015, 30, 273-278.	4.7	40
10	Effects of Chitosan Alkali Pretreatment on the Preparation of Electrospun PCL/Chitosan Blend Nanofibrous Scaffolds for Tissue Engineering Application. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	35
11	Fabrication of Nanohydroxyapatite/Poly(caprolactone) Composite Microfibers Using Electrospinning Technique for Tissue Engineering Applications. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	33
12	Bioactivity Assessment of Poly(É-caprolactone)/Hydroxyapatite Electrospun Fibers for Bone Tissue Engineering Application. Journal of Nanomaterials, 2014, 2014, 1-6.	2.7	32
13	In vitro cytotoxicity and antibacterial activity of silver-coated electrospun polycaprolactone/gelatine nanofibrous scaffolds. 3 Biotech, 2016, 6, 211.	2.2	30
14	Porous PCL/Chitosan and nHA/PCL/Chitosan Scaffolds for Tissue Engineering Applications: Fabrication and Evaluation. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	28
15	Application of conductive poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) (PEDOT:PSS) polymers in potential biomedical engineering. Journal of Pharmaceutical Investigation, 2020, 50, 437-444.	5.3	28
16	Cellulose acetate electrospun nanofibrous membrane: fabrication, characterization, drug loading and antibacterial properties. Bulletin of Materials Science, 2016, 39, 337-343.	1.7	25
17	Polycaprolactone Scaffolds and Hydroxyapatite/Polycaprolactone Composite Scaffolds for Bone Tissue Engineering. Journal of Bionanoscience, 2013, 7, 169-173.	0.4	25
18	In VitroBiological Evaluation of Electrospun Polycaprolactone/Gelatine Nanofibrous Scaffold for Tissue Engineering. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	24

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19	Fabrication andIn VitroEvaluation of Nanosized Hydroxyapatite/Chitosan-Based Tissue Engineering Scaffolds. Journal of Nanomaterials, 2014, 2014, 1-8.	2.7	22
20	Effects of Chitosan Concentration on the Protein Release Behaviour of Electrospun Poly(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Nanomaterials, 2015, 2015, 1-11.	2.7	17
21	Biodegradable Polymer-Based Scaffolds for Bone Tissue Engineering. SpringerBriefs in Applied Sciences and Technology, 2013, , .	0.4	16
22	Mechanical and biological properties of scaffold materials. , 2018, , 1-21.		16
23	Biowastes of slaughterhouses and wet markets: an overview of waste management for disease prevention. Environmental Science and Pollution Research, 2023, 30, 71780-71793.	5.3	15
24	Fabrication and Characterisation of Polymer and Composite Scaffolds Based on Polyhydroxybutyrate and Polyhydroxybutyrate-Co-Hydroxyvalerate. Key Engineering Materials, 2007, 334-335, 1229-1232.	0.4	14
25	PEDOT:PSS-Containing Nanohydroxyapatite/Chitosan Conductive Bionanocomposite Scaffold: Fabrication and Evaluation. Journal of Nanomaterials, 2016, 2016, 1-12.	2.7	12
26	The Fabrication and Characterization of PCL/Rice Husk Derived Bioactive Glass-Ceramic Composite Scaffolds. Journal of Nanomaterials, 2014, 2014, 1-9.	2.7	10
27	Polycaprolactone(PCL)/Gelati(Ge)-Based Electrospun Nanofibers for Tissue Engineering and Drug Delivery Application. Applied Mechanics and Materials, 0, 554, 57-61.	0.2	9
28	PLA/PHBV electrospun membrane: Fabrication, coating with conductive PEDOT:PSS and antibacterial activity of drug loaded membrane. Cogent Engineering, 2017, 4, 1322479.	2.2	9
29	Biomineralized Conductive PEDOT:PSS-Coated PLA/PHBV/HA Nanofibrous Membranes. ASAIO Journal, 2018, 64, 415-423.	1.6	9
30	Electrospun nanofiber composite membranes based on cellulose acetate/nano-zeolite for the removal of oil from oily wastewater. Emergent Materials, 2022, 5, 145-153.	5.7	8
31	Production of hydroxyapatite(HA) nanoparticle and HA/PCL tissue engineering scaffolds for bone tissue engineering. , 2012, , .		7
32	A review on the contamination of SARS-CoV-2 in water bodies: Transmission route, virus recovery and recent biosensor detection techniques. Sensing and Bio-Sensing Research, 2022, 36, 100482.	4.2	7
33	Study of in vitro degradation of biodegradable polymer based thin films and tissue engineering scaffolds. African Journal of Biotechnology, 2011, 10, .	0.6	6
34	Factorial Study of Compressive Mechanical Properties and PrimaryIn VitroOsteoblast Response of PHBV/PLLA Scaffolds. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	5
35	Electrospun Polycaprolactone (PCL) and PCL/ nano-hydroxyapatite (PCL/nHA)-based nanofibers for bone tissue engineering application. , 2015, , .		5
36	Electrodeposition of Ginseng/Polyaniline Encapsulated Poly(lactic-<i>co</i>-glycolic Acid) Microcapsule Coating on Stainless Steel 316L at Different Deposition Parameters. Chemical and Pharmaceutical Bulletin, 2019, 67, 445-451.	1.3	5

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37	Evaluation of PCL/GE-Based Electrospun Nanofibers for Tissue Engineering and Drug Delivery Application. Applied Mechanics and Materials, 0, 695, 332-335.	0.2	4
38	Polycaprolactone(PCL)/Chitosan(Cs)-Based Scaffold by Freeze Drying Technique for Tissue Engineering and Drug Delivery Application. Applied Mechanics and Materials, 0, 695, 203-206.	0.2	4
39	Fabrication and Characterization of Polycaprolactone (PCL)/Gelatin Electrospun Fibers. Applied Mechanics and Materials, 2014, 554, 52-56.	0.2	4
40	Preparation and Characterization of Chitosan-Hydroxyapatite Nanoparticles for Gene Therapy. Advanced Materials Research, 0, 1030-1032, 2364-2367.	0.3	3
41	Comparison of biophysical properties characterized for microtissues cultured using microencapsulation and liquid crystal based 3D cell culture techniques. Cytotechnology, 2018, 70, 13-29.	1.6	3
42	Scaffolds for Tissue Engineering. SpringerBriefs in Applied Sciences and Technology, 2013, , 1-17.	0.4	3
43	Fabrication Techniques and Properties of Scaffolds. SpringerBriefs in Applied Sciences and Technology, 2013, , 19-42.	0.4	2
44	Drug loading, drug release and in vitro degradation of poly(caprolactone) electrospun fibers. , 2014, , .		2
45	Natural-Synthetic Polymer Blend Composite Scaffold for Bone Tissue Engineering: Study of In Vitro Degradation and Protein Adsorption. Applied Mechanics and Materials, 2014, 554, 42-46.	0.2	2
46	Electrospun Biodegradable Bi-Layered Microfiber Membranes for Aluminum Removal from Drinking Water. Micro and Nanosystems, 2021, 13, 82-89.	0.6	2
47	Composite Scaffolds Based on Poly(caprolactone) and Chitosan for Bone Tissue Regeneration. Advanced Science Letters, 2013, 19, 162-165.	0.2	2
48	In Vitro Degradation and Protein Adsorption Characteristics of PHBV/PLLA Blends and PHBV/PLLA-Based Tissue Engineering Scaffolds. Advanced Materials Research, 2008, 47-50, 1399-1402.	0.3	1
49	Fabrication of Poly Caprolactone (PCL) Based Microspheres for Drug Delivery and Tissue Engineering Application. Applied Mechanics and Materials, 0, 695, 191-194.	0.2	1
50	Effects of parameters on the fabrication of poly(caprolactone) electrospun membrane using electrospinning technique. , 2014, , .		1
51	Fabrication and Characterization of Polymer and Composite Scaffolds Using Freeze-Drying Technique. SpringerBriefs in Materials, 2015, , 45-60.	0.3	1
52	FABRICATION AND CHARACTERIZATION OF PCL/HA/PPY COMPOSITE SCAFFOLD USING FREEZE-DRYING TECHNIQUE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
53	CHARACTERIZATION OF PCL/ZEOLITE ELECTROSPUN MEMBRANE FOR THE REMOVAL OF SILVER IN DRINKING WATER. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	1
54	Generation of HeLa spheroids in Ca-alginate-PEG microbeads using flicking technique as an improved three-dimensional cell culture system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124885.	4.7	1

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55	Fabrication and Characterisation of Polymer and Composite Scaffolds Based on Polyhydroxybutyrate and Polyhydroxybutyrate-Co-Hydroxyvalerate. Key Engineering Materials, 0, , 1229-1232.	0.4	1
56	Production and characterization of tissue engineering scaffolds based on polyhydroxybutyrate-co-hydroxyvalerate polymers. , 2012, , .		0
57	Fabrication of BSA Loaded Poly(Caprolactone) (PCL) Microsphere Incorporated Chitosan Scaffolds for Tissues Engineering Application. Applied Mechanics and Materials, 0, 695, 199-202.	0.2	0
58	Fabrication and Characterization of PCL/GE-Based Electrospun Nanofibers for Tissue Engineering and Drug Delivery Application. Applied Mechanics and Materials, 0, 695, 195-198.	0.2	0
59	Fabrication and Characterization of Cellulose Acetate Nanofibers. Advanced Materials Research, 2014, 1030-1032, 78-81.	0.3	0
60	Fabrication of BSA Loaded Poly (Caprolactone) (PCL)/Hydroxyapatite (HA) Composite Microsphere for Tissue Engineering Application. Advanced Materials Research, 2014, 1030-1032, 82-85.	0.3	0
61	Fabrication of Polymer and Composite Scaffolds Using Electrospinning Techniques. SpringerBriefs in Materials, 2015, , 25-43.	0.3	0