

Ambigapathi Moorthi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,666
citations

430754

18
h-index

642610

23
g-index

23
all docs

23
docs citations

23
times ranked

2388
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, characterization and antimicrobial activity of a bio-composite scaffold containing chitosan/nano-hydroxyapatite/nano-silver for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 188-193.	3.6	263
2	Biocomposite scaffolds containing chitosan/alginate/nano-silica for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 294-300.	2.5	215
3	Bio-composite scaffolds containing chitosan/nano-hydroxyapatite/nano-copper/zinc for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 294-299.	3.6	160
4	A novel injectable temperature-sensitive zinc doped chitosan/β-glycerophosphate hydrogel for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2013, 54, 24-29.	3.6	137
5	Preparation and characterization of chitosan/pectin/ZnO porous films for wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 135-145.	3.6	113
6	Chitosan scaffolds containing silicon dioxide and zirconia nano particles for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 1167-1172.	3.6	100
7	Regulation of Runx2 by post-translational modifications in osteoblast differentiation. <i>Life Sciences</i> , 2020, 245, 117389.	2.0	83
8	Enhanced Osteoblast Adhesion on Polymeric Nano-Scaffolds for Bone Tissue Engineering. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 238-244.	0.5	80
9	Synthesis and Characterization of Nanoscale Hydroxyapatite-Copper for Antimicrobial Activity Towards Bone Tissue Engineering Applications. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 333-339.	0.5	65
10	Nanoceramics on osteoblast proliferation and differentiation in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 67-74.	3.6	65
11	Synthesis and Characterization of Diopside Particles and Their Suitability Along with Chitosan Matrix for Bone Tissue Engineering & In Vitro and In Vivo. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 970-981.	0.5	57
12	Expression of microRNA-30c and its target genes in human osteoblastic cells by nano-bioglass ceramic-treatment. <i>International Journal of Biological Macromolecules</i> , 2013, 56, 181-185.	3.6	55
13	Synthesis, Characterization, and Antimicrobial Activity of Nano-Hydroxyapatite-Zinc for Bone Tissue Engineering Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 167-172.	0.9	46
14	Antibacterial activity of agricultural waste derived wollastonite doped with copper for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 71, 1156-1165.	3.8	42
15	Effects of silica and calcium levels in nanobioglass ceramic particles on osteoblast proliferation. <i>Materials Science and Engineering C</i> , 2014, 43, 458-464.	3.8	41
16	Polymer coated mesoporous ceramic for drug delivery in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 65-73.	3.6	38
17	Synthesis, Characterization and Biological Action of Nano-Bioglass Ceramic Particles for Bone Formation. <i>Journal of Biomaterials and Tissue Engineering</i> , 2012, 2, 197-205.	0.0	22
18	Sol-gel based synthesis and biological properties of zinc integrated nano bioglass ceramics for bone tissue regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 5.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Formulation and biological actions of nano-bioglass ceramic particles doped with <i>Calcearia phosphorica</i> for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2018, 83, 202-209.	3.8	16
20	Polycaprolactone fibrous electrospun scaffolds reinforced with copper doped wollastonite for bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 654-664.	1.6	15
21	Neuro-protective effects of nano-formulated hesperetin in a traumatic brain injury model of <i>Danio rerio</i> . <i>Drug and Chemical Toxicology</i> , 2022, 45, 507-514.	1.2	13
22	5-Azacytidine incorporated polycaprolactone-gelatin nanoscaffold as a potential material for cardiomyocyte differentiation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 123-140.	1.9	11
23	Metal doped calcium silicate biomaterial for skin tissue regeneration in vitro. <i>Journal of Biomaterials Applications</i> , 2020, 36, 088532822096260.	1.2	11