

Ambigapathi Moorthi

List of Publications by Citations

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Version: 2024-04-26

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23
papers

1,289
citations

17
h-index

23
g-index

23
ext. papers

1,466
ext. citations

5.4
avg, IF

4.5
L-index

#	Paper	IF	Citations
23	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, 188-93	7.9	227
22	Biocomposite scaffolds containing chitosan/alginate/nano-silica for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 294-300	6	176
21	Bio-composite scaffolds containing chitosan/nano-hydroxyapatite/nano-copper-zinc for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 294-9	7.9	138
20	A novel injectable temperature-sensitive zinc doped chitosan/Eglycerophosphate hydrogel for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2013 , 54, 24-9	7.9	115
19	Chitosan scaffolds containing silicon dioxide and zirconia nano particles for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 1167-72	7.9	83
18	Enhanced osteoblast adhesion on polymeric nano-scaffolds for bone tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 238-44	4	72
17	Synthesis and characterization of nanoscale-hydroxyapatite-copper for antimicrobial activity towards bone tissue engineering applications. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 333-9	4	58
16	Nanoceramics on osteoblast proliferation and differentiation in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 67-74	7.9	53
15	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, 970-81	4	51
14	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, 181-5	7.9	48
13	Preparation and characterization of chitosan/pectin/ZnO porous films for wound healing. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 135-145	7.9	47
12	Synthesis, characterization, and antimicrobial activity of nano-hydroxyapatite-zinc for bone tissue engineering applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 167-72	1.3	40
11	Effects of silica and calcium levels in nanobioglass ceramic particles on osteoblast proliferation. <i>Materials Science and Engineering C</i> , 2014 , 43, 458-64	8.3	34
10	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	8.3	33
9	Regulation of Runx2 by post-translational modifications in osteoblast differentiation. <i>Life Sciences</i> , 2020 , 245, 117389	6.8	31
8	Polymer coated mesoporous ceramic for drug delivery in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 65-73	7.9	26
7	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	0.3	20

6	Formulation and biological actions of nano-bioglass ceramic particles doped with <i>Calcareo phosphorica</i> for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2018 , 83, 202-209	8.3	10
5	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	3.5	7
4	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	3.5	7
3	Neuro-protective effects of nano-formulated hesperetin in a traumatic brain injury model of. <i>Drug and Chemical Toxicology</i> , 2020 , 1-8	2.3	5
2	Metal doped calcium silicate biomaterial for skin tissue regeneration in vitro. <i>Journal of Biomaterials Applications</i> , 2021 , 36, 140-151	2.9	5
1	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	4.5	3