

Prakash Parthiban Selvakumar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

748
citations

687363

13
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

1441
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal Muscle Tissue Engineering: Methods to Form Skeletal Myotubes and Their Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2014, 20, 403-436.	4.8	218
2	Materials roles for promoting angiogenesis in tissue regeneration. <i>Progress in Materials Science</i> , 2021, 117, 100732.	32.8	81
3	Three-dimensional co-culture of C2C12/PC12 cells improves skeletal muscle tissue formation and function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 582-595.	2.7	70
4	Hydrothermal synthesis of porous triphasic hydroxyapatite/($\hat{1}\pm$ and $\hat{1}^2$) tricalcium phosphate. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 43-48.	3.6	58
5	Combinatory Cancer Therapeutics with Nanoceria-Capped Mesoporous Silica Nanocarriers through pH-triggered Drug Release and Redox Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 288-299.	8.0	52
6	Covalently immobilized VEGF-mimicking peptide with gelatin methacrylate enhances microvascularization of endothelial cells. <i>Acta Biomaterialia</i> , 2017, 51, 330-340.	8.3	49
7	Investigations on the in vitro bioactivity of swift heavy oxygen ion irradiated hydroxyapatite. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 271-275.	3.6	35
8	Combined Effects of Nanoroughness and Ions Produced by Electrodeposition of Mesoporous Bioglass Nanoparticle for Bone Regeneration. <i>ACS Applied Bio Materials</i> , 2019, 2, 5190-5203.	4.6	29
9	Effect of swift heavy ion irradiation on hydrothermally synthesized hydroxyapatite ceramics. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 911-917.	1.4	24
10	Engineering pericyte-supported microvascular capillaries in cell-laden hydrogels using stem cells from the bone marrow, dental pulp and dental apical papilla. <i>Scientific Reports</i> , 2020, 10, 21579.	3.3	24
11	BoneMA synthesis and characterization of a methacrylated bone-derived hydrogel for bioprinting of in-vitro vascularized tissue constructs. <i>Biofabrication</i> , 2021, 13, 035031.	7.1	21
12	Preparation of thermally stable nanocrystalline hydroxyapatite by hydrothermal method. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 77-83.	3.6	19
13	Effect of urea on formation of hydroxyapatite through double-step hydrothermal processing. <i>Materials Science and Engineering C</i> , 2011, 31, 1383-1388.	7.3	18
14	Prevascularized hydrogels with mature vascular networks promote the regeneration of critical size calvarial bone defects in vivo. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 219-231.	2.7	18
15	Effect of ammonium carbonate on formation of calcium-deficient hydroxyapatite through double-step hydrothermal processing. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 209-216.	3.6	9
16	Tetraaquadiglycinmagnesium(II) hexaaquamagnesium(II) bis(sulfate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2901-m2902.	0.2	8
17	Effects of recipient age, heparin release and allogeneic bone marrow-derived stromal cells on vascular graft remodeling. <i>Acta Biomaterialia</i> , 2021, 125, 172-182.	8.3	8
18	Formation of serrated nanorods of hydroxyapatite through organic modification under hydrothermal processing. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Strategy to reduce carbonate incorporation in the fabrication of hydroxyapatite nanopowders. Journal of the Ceramic Society of Japan, 2011, 119, 947-953.	1.1	2
20	Nile Tilapia Fish Skin, Scales, and Spine as Naturally Derived Biomaterials for Tissue Regeneration. Current Oral Health Reports, 2020, 7, 335-343.	1.6	2
21	In vitro study of carbonated hydroxyapatite compacts prepared by double-step hydrothermal method. IOP Conference Series: Materials Science and Engineering, 2011, 18, 192008.	0.6	0