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List of Publications by Year
in descending order

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42 papers	3,439 citations	201385 27 h-index	243296 44 g-index
45 all docs	45 docs citations	45 times ranked	4931 citing authors

#	Article	IF	Citations
1	Bone regeneration in both small and large preclinical bone defect models using an injectable polymerâ€based substitute containing hydroxyapatite and reconstituted with saline or autologous blood. Journal of Biomedical Materials Research - Part A, 2021, 109, 1840-1848.	2.1	8
2	Development of a cell-free and growth factor-free hydrogel capable of inducing angiogenesis and innervation after subcutaneous implantation. Acta Biomaterialia, 2019, 99, 154-167.	4.1	40
3	A Unique Triculture Model to Study Osteoblasts, Osteoclasts, and Endothelial Cells. Tissue Engineering - Part C: Methods, 2019, 25, 421-432.	1.1	8
4	Production, purification and characterization of an elastin-like polypeptide containing the Ile-Lys-Val-Ala-Val (IKVAV) peptide for tissue engineering applications. Journal of Biotechnology, 2019, 298, 35-44.	1.9	25
5	A new composite hydrogel combining the biological properties of collagen with the mechanical properties of a supramolecular scaffold for bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1489-e1500.	1.3	37
6	Influence of External Beam Radiotherapy on the Properties of Polymethyl Methacrylate-Versus Silicone-Induced Membranes in a Bilateral Segmental Bone Defect in Rats. Tissue Engineering - Part A, 2018, 24, 703-710.	1.6	6
7	Influence of the threeâ€dimensional culture of human bone marrow mesenchymal stromal cells within a macroporous polysaccharides scaffold on Pannexin 1 and Pannexin 3. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1936-e1949.	1.3	6
8	The proangiogenic potential of a novel calcium releasing composite biomaterial: Orthotopic in vivo evaluation. Acta Biomaterialia, 2017, 54, 377-385.	4.1	18
9	In situ printing of mesenchymal stromal cells, by laser-assisted bioprinting, for in vivo bone regeneration applications. Scientific Reports, 2017, 7, 1778.	1.6	307
10	Dorsal root ganglion neurons regulate the transcriptional and translational programs of osteoblast differentiation in a microfluidic platform. Cell Death and Disease, 2017, 8, 3209.	2.7	28
11	Patterning of Endothelial Cells and Mesenchymal Stem Cells by Laser-Assisted Bioprinting to Study Cell Migration. BioMed Research International, 2016, 2016, 1-7.	0.9	55
12	Role of connexins and pannexins during ontogeny, regeneration, and pathologies of bone. BMC Cell Biology, 2016, 17, 19.	3.0	27
13	The proangiogenic potential of a novel calcium releasing biomaterial: Impact on cell recruitment. Acta Biomaterialia, 2016, 29, 435-445.	4.1	39
14	The Use of Total Human Bone Marrow Fraction in a Direct Three-Dimensional Expansion Approach for Bone Tissue Engineering Applications: Focus on Angiogenesis and Osteogenesis. Tissue Engineering - Part A, 2015, 21, 861-874.	1.6	20
15	Physicochemical modulation of chitosanâ€based hydrogels induces different biological responses: Interest for tissue engineering. Journal of Biomedical Materials Research - Part A, 2014, 102, 3666-3676.	2.1	47
16	Pullulan/dextran/nHA Macroporous Composite Beads for Bone Repair in a Femoral Condyle Defect in Rats. PLoS ONE, 2014, 9, e110251.	1.1	32
17	A nano-hydroxyapatite â€“ Pullulan/dextran polysaccharide composite macroporous material for bone tissue engineering. Biomaterials, 2013, 34, 2947-2959.	5.7	197
18	Inflammatory cell response to calcium phosphate biomaterial particles: An overview. Acta Biomaterialia, 2013, 9, 4956-4963.	4.1	134

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19	uPA and MMPâ€2 were involved in selfâ€assembled network formation in a two dimensional coâ€culture model of bone marrow stromal cells and endothelial cells. Journal of Cellular Biochemistry, 2013, 114, 650-657.	1.2	20
20	Layer-by-Layer Tissue Microfabrication Supports Cell ProliferationIn VitroandIn Vivo. Tissue Engineering - Part C: Methods, 2012, 18, 62-70.	1.1	98
21	Strontiumâ€loaded mineral bone cements as sustained release systems: Compositions, release properties, and effects on human osteoprogenitor cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 378-390.	1.6	35
22	Laser-assisted bioprinting for creating on-demand patterns of human osteoprogenitor cells and nano-hydroxyapatite. Biofabrication, 2011, 3, 025001.	3.7	192
23	The Role of Vascular Actors in Two Dimensional Dialogue of Human Bone Marrow Stromal Cell and Endothelial Cell for Inducing Self-Assembled Network. PLoS ONE, 2011, 6, e16767.	1.1	49
24	Phenotypic and proliferative modulation of human mesenchymal stem cells via crosstalk with endothelial cells. Stem Cell Research, 2011, 7, 186-197.	0.3	98
25	The effect of surface energy, adsorbed RGD peptides and fibronectin on the attachment and spreading of cells on multiwalled carbon nanotube papers. Carbon, 2011, 49, 2318-2333.	5.4	13
26	Laser-assisted bioprinting to deal with tissue complexity in regenerative medicine. MRS Bulletin, 2011, 36, 1015-1019.	1.7	54
27	Laser assisted bioprinting of engineered tissue with high cell density and microscale organization. Biomaterials, 2010, 31, 7250-7256.	5.7	686
28	Role of neural-cadherin in early osteoblastic differentiation of human bone marrow stromal cells cocultured with human umbilical vein endothelial cells. American Journal of Physiology - Cell Physiology, 2010, 299, C422-C430.	2.1	48
29	In vivo bioprinting for computer- and robotic-assisted medical intervention: preliminary study in mice. Biofabrication, 2010, 2, 014101.	3.7	244
30	Role of vascular endothelial growth factor in the communication between human osteoprogenitors and endothelial cells. Journal of Cellular Biochemistry, 2009, 106, 390-398.	1.2	121
31	Subcutaneousâ€induced membranes have no osteoinductive effect on macroporous HAâ€TCP in vivo. Journal of Orthopaedic Research, 2009, 27, 155-161.	1.2	29
32	The effect of the co-immobilization of human osteoprogenitors and endothelial cells within alginate microspheres on mineralization in a bone defect. Biomaterials, 2009, 30, 3271-3278.	5.7	192
33	Responsiveness of human bone marrow stromal cells to shear stress. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 302-309.	1.3	89
34	Absence of bone sialoprotein (BSP) impairs cortical defect repair in mouse long bone. Bone, 2009, 45, 853-861.	1.4	29
35	Î±vÎ²3 Integrin-Targeting Arg-Gly-Asp (RGD) Peptidomimetics Containing Oligoethylene Glycol (OEG) Spacers. Journal of Medicinal Chemistry, 2009, 52, 7029-7043.	2.9	34
36	Bone sialoprotein plays a functional role in bone formation and osteoclastogenesis. Journal of Experimental Medicine, 2008, 205, 1145-1153.	4.2	223

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37	Additive Effect of RGD Coating to Functionalized Titanium Surfaces on Human Osteoprogenitor Cell Adhesion and Spreading. Tissue Engineering - Part A, 2008, 14, 1445-1455.	1.6	38
38	Mathematical modelling of the distribution of newly formed bone in bone tissue engineering. Biomaterials, 2005, 26, 6788-6797.	5.7	18
39	Covalent bonding of collagen on poly(L-lactic acid) by gamma irradiation. Nuclear Instruments & Methods in Physics Research B, 2003, 207, 165-174.	0.6	49
40	Human bone marrow endothelial cells: a new identified source of B-type natriuretic peptide. Peptides, 2002, 23, 935-940.	1.2	13
41	Synthesis and Evaluation of Organosilicon Inhibitors of Active Purine Transport in Human Osteoblasts. ChemBioChem, 2002, 3, 341-347.	1.3	3
42	Recent Advances of Pullulan and/or Dextran-Based Materials for Bone Tissue Engineering Strategies in Preclinical Studies: A Systematic Review. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	3