

List of Publications by Year in descending order

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37
papers

3,865
citations

394421

19
h-index

395702

33
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38
all docs

38
docs citations

38
times ranked

6776
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissociation of nanosilicates induces downstream endochondral differentiation gene expression program. <i>Science Advances</i> , 2022, 8, eabl9404.	10.3	9
2	Automated mesenchymal stem cell segmentation and machine learning-based phenotype classification using morphometric and textural analysis. <i>Journal of Medical Imaging</i> , 2021, 8, 014503.	1.5	15
3	Canine Mesenchymal Stromal Cell-Mediated Bone Regeneration is Enhanced in the Presence of Sub-Therapeutic Concentrations of BMP-2 in a Murine Calvarial Defect Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 764703.	4.1	0
4	Interplay between degradability and integrin signaling on mesenchymal stem cell function within poly(ethylene glycol) based microporous annealed particle hydrogels. <i>Acta Biomaterialia</i> , 2020, 101, 227-236.	8.3	32
5	Mimicking the Organic and Inorganic Composition of Anabolic Bone Enhances Human Mesenchymal Stem Cell Osteoinduction and Scaffold Mechanical Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 753.	4.1	6
6	Preparation of osteogenic matrices from cultured cells. <i>Methods in Cell Biology</i> , 2020, 156, 15-43.	1.1	11
7	Characterization of a pluripotent stem cell-derived matrix with powerful osteoregenerative capabilities. <i>Nature Communications</i> , 2020, 11, 3025.	12.8	37
8	Conditioning of 3D Printed Nanoengineered Ionic Covalent Entanglement Scaffolds with iPSC-hMSCs Derived Matrix. <i>Advanced Healthcare Materials</i> , 2020, 9, 1901580.	7.6	22
9	Morphological cell image analysis for real-time monitoring of stem cell culture. , 2019, , .		1
10	Rapid Osteogenic Enhancement of Stem Cells in Human Bone Marrow Using a Glycogen-Synthase-Kinase-3-Beta Inhibitor Improves Osteogenic Efficacy In Vitro and In Vivo. <i>Stem Cells Translational Medicine</i> , 2018, 7, 342-353.	3.3	7
11	Three-dimensional in vitro modeling of malignant bone disease recapitulates experimentally accessible mechanisms of osteoinhibition. <i>Cell Death and Disease</i> , 2018, 9, 1161.	6.3	10
12	How stem cell composition in bone marrow aspirate relates to clinical outcomes when used for cervical spine fusion. <i>PLoS ONE</i> , 2018, 13, e0203714.	2.5	16
13	Theobromine Upregulates Osteogenesis by Human Mesenchymal Stem Cells In Vitro and Accelerates Bone Development in Rats. <i>Calcified Tissue International</i> , 2017, 100, 298-310.	3.1	15
14	An allograft generated from adult stem cells and their secreted products efficiently fuses vertebrae in immunocompromised athymic rats and inhibits local immune responses. <i>Spine Journal</i> , 2017, 17, 418-430.	1.3	16
15	In-vitro characterization of canine multipotent stromal cells isolated from synovium, bone marrow, and adipose tissue: a donor-matched comparative study. <i>Stem Cell Research and Therapy</i> , 2017, 8, 218.	5.5	63
16	The effects of the Er:YAG laser on trabecular bone micro-architecture: Comparison with conventional dental drilling by micro-computed tomographic and histological techniques. <i>F1000Research</i> , 2017, 6, 1133.	1.6	13
17	Mechanisms of mesenchymal stem/stromal cell function. <i>Stem Cell Research and Therapy</i> , 2016, 7, 125.	5.5	602
18	Scalable Production of a Multifunctional Protein (TSG-6) That Aggregates with Itself and the CHO Cells That Synthesize It. <i>PLoS ONE</i> , 2016, 11, e0147553.	2.5	15

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19	A Simple Critical-sized Femoral Defect Model in Mice. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	12
20	MSCs derived from iPSCs with a modified protocol are tumor-tropic but have much less potential to promote tumors than bone marrow MSCs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 530-535.	7.1	135
21	Bone Regeneration With Osteogenically Enhanced Mesenchymal Stem Cells and Their Extracellular Matrix Proteins. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 83-94.	2.8	43
22	Short Term Culture of Human Mesenchymal Stem Cells with Commercial Osteoconductive Carriers Provides Unique Insights into Biocompatibility. <i>Journal of Clinical Medicine</i> , 2013, 2, 49-66.	2.4	15
23	Human Mesenchymal Stem Cellâ€‘Derived Matrices for Enhanced Osteoregeneration. <i>Science Translational Medicine</i> , 2012, 4, 132ra55.	12.4	104
24	Potential of Modulating Wnt Signaling Pathway Toward the Development of Bone Anabolic Agent. <i>Current Molecular Pharmacology</i> , 2012, 5, 164-173.	1.5	15
25	Assays of Osteogenic Differentiation by Cultured Human Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 698, 215-230.	0.9	48
26	Pharmaceutical inhibition of glycogen synthetase kinase-3 β reduces multiple myelomaâ€‘induced bone disease in a novel murine plasmacytoma xenograft model. <i>Blood</i> , 2011, 117, 1641-1651.	1.4	34
27	Pharmaceutical modulation of canonical Wnt signaling in multipotent stromal cells for improved osteoinductive therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4147-4152.	7.1	106
28	Leukemia Inhibitory Factor Secretion is a Predictor and Indicator of Early Progenitor Status in Adult Bone Marrow Stromal Cells. <i>Tissue Engineering - Part A</i> , 2009, 15, 33-44.	3.1	30
29	The CD34-like protein PODXL and α 6-integrin (CD49f) identify early progenitor MSCs with increased clonogenicity and migration to infarcted heart in mice. <i>Blood</i> , 2009, 113, 816-826.	1.4	169
30	A Crosstalk Between Myeloma Cells and Marrow Stromal Cells Stimulates Production of DKK1 and Interleukin-6: A Potential Role in the Development of Lytic Bone Disease and Tumor Progression in Multiple Myeloma. <i>Stem Cells</i> , 2006, 24, 986-991.	3.2	226
31	The Promise of Canonical Wnt Signaling Modulators in Enhancing Bone Repair. , 2006, 19, 445.		12
32	How Wnt Signaling Affects Bone Repair by Mesenchymal Stem Cells from the Bone Marrow. <i>Annals of the New York Academy of Sciences</i> , 2005, 1049, 97-106.	3.8	131
33	Non-hematopoietic bone marrow stem cells: Molecular control of expansion and differentiation. <i>Experimental Cell Research</i> , 2005, 306, 330-335.	2.6	256
34	Dkk-1-derived Synthetic Peptides and Lithium Chloride for the Control and Recovery of Adult Stem Cells from Bone Marrow. <i>Journal of Biological Chemistry</i> , 2005, 280, 2309-2323.	3.4	86
35	An Alizarin red-based assay of mineralization by adherent cells in culture: comparison with cetylpyridinium chloride extraction. <i>Analytical Biochemistry</i> , 2004, 329, 77-84.	2.4	1,291
36	The Wnt Signaling Inhibitor Dickkopf-1 Is Required for Reentry into the Cell Cycle of Human Adult Stem Cells from Bone Marrow. <i>Journal of Biological Chemistry</i> , 2003, 278, 28067-28078.	3.4	249

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37	Fundamentals of Culture and Characterization of Mesenchymal Stem/Progenitor Cells (MSCs) from Bone Marrow Stroma. , 0, , 207-232.		13