

List of Publications by Year in descending order

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37
papers

3,865
citations

393982

19
h-index

395343

33
g-index

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. | 4.7 | 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. | 0.8 | 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. | 2.0 | 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. | 4.1 | 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. | 2.0 | 6 |
| 6 | Preparation of osteogenic matrices from cultured cells. <i>Methods in Cell Biology</i> , 2020, 156, 15-43. | 0.5 | 11 |
| 7 | Characterization of a pluripotent stem cell-derived matrix with powerful osteoregenerative capabilities. <i>Nature Communications</i> , 2020, 11, 3025. | 5.8 | 37 |
| 8 | Conditioning of 3D Printed Nanoengineered Ionic Covalent Entanglement Scaffolds with iPSC-MSCs Derived Matrix. <i>Advanced Healthcare Materials</i> , 2020, 9, 1901580. | 3.9 | 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. | 1.6 | 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. | 2.7 | 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. | 1.1 | 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. | 1.5 | 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. | 0.6 | 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. | 2.4 | 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. | 0.8 | 13 |
| 17 | Mechanisms of mesenchymal stem/stromal cell function. <i>Stem Cell Research and Therapy</i> , 2016, 7, 125. | 2.4 | 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. | 1.1 | 15 |

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|----|---|-----|-----------|
| 19 | A Simple Critical-sized Femoral Defect Model in Mice. <i>Journal of Visualized Experiments</i> , 2015, , . | 0.2 | 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. | 3.3 | 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. | 3.1 | 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. | 1.0 | 15 |
| 23 | Human Mesenchymal Stem Cellâ€‘Derived Matrices for Enhanced Osteoregeneration. <i>Science Translational Medicine</i> , 2012, 4, 132ra55. | 5.8 | 104 |
| 24 | Potential of Modulating Wnt Signaling Pathway Toward the Development of Bone Anabolic Agent. <i>Current Molecular Pharmacology</i> , 2012, 5, 164-173. | 0.7 | 15 |
| 25 | Assays of Osteogenic Differentiation by Cultured Human Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 698, 215-230. | 0.4 | 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. | 0.6 | 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. | 3.3 | 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. | 1.6 | 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. | 0.6 | 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. | 1.4 | 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. | 1.8 | 131 |
| 33 | Non-hematopoietic bone marrow stem cells: Molecular control of expansion and differentiation. <i>Experimental Cell Research</i> , 2005, 306, 330-335. | 1.2 | 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. | 1.6 | 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. | 1.1 | 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. | 1.6 | 249 |

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