

Darja Marolt Presen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,241
citations

394421

19
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

3200
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue Engineered Bone Grafts: Biological Requirements, Tissue Culture and Clinical Relevance. <i>Current Stem Cell Research and Therapy</i> , 2008, 3, 254-264.	1.3	280
2	Engineering bone tissue substitutes from human induced pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8680-8685.	7.1	196
3	Bone and cartilage tissue constructs grown using human bone marrow stromal cells, silk scaffolds and rotating bioreactors. <i>Biomaterials</i> , 2006, 27, 6138-6149.	11.4	171
4	Bone tissue engineering with human stem cells. <i>Stem Cell Research and Therapy</i> , 2010, 1, 10.	5.5	171
5	Specific activation of the <i>Bacillus</i> quorum-sensing systems by isoprenylated pheromone variants. <i>Molecular Microbiology</i> , 2002, 44, 1561-1573.	2.5	166
6	Bone Grafts Engineered from Human Adipose-Derived Stem Cells in Perfusion Bioreactor Culture. <i>Tissue Engineering - Part A</i> , 2010, 16, 179-189.	3.1	157
7	Engineering bone tissue from human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8705-8709.	7.1	153
8	Potential pathophysiological mechanisms in osteonecrosis of the jaw. <i>Annals of the New York Academy of Sciences</i> , 2011, 1218, 62-79.	3.8	138
9	Engineering custom-designed osteochondral tissue grafts. <i>Trends in Biotechnology</i> , 2008, 26, 181-189.	9.3	133
10	Optimizing the medium perfusion rate in bone tissue engineering bioreactors. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1159-1170.	3.3	129
11	Mesenchymal Stromal Cell-Based Bone Regeneration Therapies: From Cell Transplantation and Tissue Engineering to Therapeutic Secretomes and Extracellular Vesicles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 352.	4.1	92
12	Bone scaffold architecture modulates the development of mineralized bone matrix by human embryonic stem cells. <i>Biomaterials</i> , 2012, 33, 8329-8342.	11.4	88
13	Effects of chondrogenic and osteogenic regulatory factors on composite constructs grown using human mesenchymal stem cells, silk scaffolds and bioreactors. <i>Journal of the Royal Society Interface</i> , 2008, 5, 929-939.	3.4	57
14	Bioreactor engineering of stem cell environments. <i>Biotechnology Advances</i> , 2013, 31, 1020-1031.	11.7	53
15	Effects of Pamidronate on Human Alveolar Osteoblasts In Vitro. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 1081-1092.	1.2	36
16	Skeletal-muscle-derived mesenchymal stem/stromal cells from patients with osteoarthritis show superior biological properties compared to bone-derived cells. <i>Stem Cell Research</i> , 2019, 38, 101465.	0.7	25
17	Comprehensive analysis of skeletal muscle- and bone-derived mesenchymal stem/stromal cells in patients with osteoarthritis and femoral neck fracture. <i>Stem Cell Research and Therapy</i> , 2020, 11, 146.	5.5	25
18	Modulating the biochemical and biophysical culture environment to enhance osteogenic differentiation and maturation of human pluripotent stem cell-derived mesenchymal progenitors. <i>Stem Cell Research and Therapy</i> , 2013, 4, 106.	5.5	24

#	ARTICLE	IF	CITATIONS
19	Derivation of Two New Human Embryonic Stem Cell Lines from Nonviable Human Embryos. <i>Stem Cells International</i> , 2011, 2011, 1-9.	2.5	20
20	Synergistic Effects of Hypoxia and Morphogenetic Factors on Early Chondrogenic Commitment of Human Embryonic Stem Cells in Embryoid Body Culture. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 228-241.	5.6	20
21	Age-related alterations and senescence of mesenchymal stromal cells: Implications for regenerative treatments of bones and joints. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111539.	4.6	19
22	Make no bones about it: cells could soon be reprogrammed to grow replacement bones?. <i>Expert Opinion on Biological Therapy</i> , 2014, 14, 1-5.	3.1	17
23	Increased Exhaustion of the Subchondral Bone-Derived Mesenchymal Stem/ Stromal Cells in Primary Versus Dysplastic Osteoarthritis. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 742-754.	3.8	15
24	State of the Art in Stem Cell Research: Human Embryonic Stem Cells, Induced Pluripotent Stem Cells, and Transdifferentiation. <i>Journal of Blood Transfusion</i> , 2012, 2012, 1-10.	3.3	14
25	Cultivation of Human Bone-Like Tissue from Pluripotent Stem Cell-Derived Osteogenic Progenitors in Perfusion Bioreactors. <i>Methods in Molecular Biology</i> , 2013, 1202, 173-184.	0.9	14
26	Primary Human Alveolar Bone Cells Isolated from Tissue Samples Acquired at Periodontal Surgeries Exhibit Sustained Proliferation and Retain Osteogenic Phenotype during In Vitro Expansion. <i>PLoS ONE</i> , 2014, 9, e92969.	2.5	13
27	A novel fluorescent hydroxyapatite based on iron quantum cluster template to enhance osteogenic differentiation. <i>Materials Science and Engineering C</i> , 2020, 111, 110775.	7.3	7
28	Bone-Marrow-Derived Mesenchymal Stromal Cells: From Basic Biology to Applications in Bone Tissue Engineering and Bone Regeneration. , 2020, , 139-192.		2
29	Tissue Engineering Craniofacial Bone Products. , 2015, , 521-539.		1
30	Bone-Marrow-Derived Mesenchymal Stromal Cells: From Basic Biology to Applications in Bone Tissue Engineering and Bone Regeneration. , 2020, , 1-55.		0