Pedro Z Andrade

List of Publications by Year
in descending order

20 papers	1,220 citations	623188 14 h-index	887659 17 g-index
20 all docs	20 docs citations	20 times ranked	1576 citing authors

#	Article	IF	Citations
1	Ex vivo expansion of human mesenchymal stem cells: A more effective cell proliferation kinetics and metabolism under hypoxia. Journal of Cellular Physiology, 2010, 223, 27-35.	2.0	252
2	Toward a Clinical-Grade Expansion of Mesenchymal Stem Cells from Human Sources: A Microcarrier-Based Culture System Under Xeno-Free Conditions. Tissue Engineering - Part C: Methods, 2011, 17, 1201-1210.	1.1	209
3	Maximizing the ex vivo expansion of human mesenchymal stem cells using a microcarrier-based stirred culture system. Journal of Biotechnology, 2010, 146, 194-197.	1.9	158
4	A xenogeneicâ€free bioreactor system for the clinicalâ€scale expansion of human mesenchymal stem/stromal cells. Biotechnology and Bioengineering, 2014, 111, 1116-1127.	1.7	129
5	Bioreactor design for clinicalâ€grade expansion of stem cells. Biotechnology Journal, 2013, 8, 644-654.	1.8	98
6	Human mesenchymal stem cells from the umbilical cord matrix: Successful isolation and ex vivo expansion using serumâ€/xenoâ€free culture media. Biotechnology Journal, 2013, 8, 448-458.	1.8	60
7	Differentiation of Human Umbilical Cord Matrix Mesenchymal Stem Cells into Neural-Like Progenitor Cells and Maturation into an Oligodendroglial-Like Lineage. PLoS ONE, 2014, 9, e111059.	1.1	57
8	Systematic delineation of optimal cytokine concentrations to expand hematopoietic stem/progenitor cells in co-culture with mesenchymal stem cells. Molecular BioSystems, 2010, 6, 1207.	2.9	48
9	Dynamic cell-cell interactions between cord blood haematopoietic progenitors and the cellular niche are essential for the expansion of CD34⁺, CD34⁺CD38^{â^'}and early lymphoid CD7⁺cells. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 149-158.	1.3	37
10	Gene delivery to human bone marrow mesenchymal stem cells by microporation. Journal of Biotechnology, 2011, 151, 130-136.	1.9	36
11	A novel method for human hematopoietic stem/progenitor cell isolation from umbilical cord blood based on immunoaffinity aqueous two-phase partitioning. Biotechnology Letters, 2011, 33, 2373-2377.	1.1	34
12	Ex Vivo Expansion of Human Mesenchymal Stem Cells on Microcarriers. Methods in Molecular Biology, 2011, 698, 189-198.	0.4	31
13	Initial CD34⁺ cellâ€enrichment of cord blood determines hematopoietic stem/progenitor cell yield upon Ex vivo expansion. Journal of Cellular Biochemistry, 2011, 112, 1822-1831.	1.2	22
14	Ex vivoexpansion of cord blood haematopoietic stem/progenitor cells under physiological oxygen tensions: clear-cut effects on cell proliferation, differentiation and metabolism. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1172-1181.	1.3	21
15	Developing a co-culture system for effective megakaryo/thrombopoiesis from umbilical cord blood hematopoietic stem/progenitor cells. Cytotherapy, 2015, 17, 428-442.	0.3	10
16	Stem cell bioengineering strategies to widen the therapeutic applications of haematopoietic stem/progenitor cells from umbilical cord blood. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 988-1003.	1.3	10
17	Proliferation extent of CD34+ cells as a key parameter to maximize megakaryocytic differentiation of umbilical cord blood-derived hematopoietic stem/progenitor cells in a two-stage culture protocol. Biotechnology Reports (Amsterdam, Netherlands), 2014, 4, 50-55.	2.1	8
18	Ex-vivo expansion of hematopoietic stem cells from umbilical cord blood. , 2011, , .		0

#	Article	IF	Citations
19	Scalable Manufacturing of Human Hematopoietic Stem/Progenitor Cells Exploiting a Co-culture Platform with Mesenchymal Stromal Cells. Methods in Molecular Biology, 2020, 2286, 107-120.	0.4	0
20	Mesenchymal Stem Cells For Cellular Therapies. , 2012, , 179-187.		0