

Joaquim M S Cabral

List of Publications by Year in descending order

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467
papers

18,122
citations

22548

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477
docs citations

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times ranked

19922
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Culture Process Scale-Up Challenges for Commercial-Scale Manufacturing of Allogeneic Pluripotent Stem Cell Products. <i>Bioengineering</i> , 2022, 9, 92.	1.6	9
2	3D Bioprinting of Novel Î²-Carrageenan Bioinks: An Algae-Derived Polysaccharide. <i>Bioengineering</i> , 2022, 9, 109.	1.6	23
3	A Dynamic 3D Aggregate-Based System for the Successful Expansion and Neural Induction of Human Pluripotent Stem Cells. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 838217.	1.8	2
4	Polyaniline-polycaprolactone fibers for neural applications: Electroconductivity enhanced by pseudo-doping. <i>Materials Science and Engineering C</i> , 2021, 120, 111680.	3.8	23
5	A Concise Review on Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Personalized Regenerative Medicine. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 748-776.	1.7	13
6	Effects of glycosaminoglycan supplementation in the chondrogenic differentiation of bone marrow- and synovial- derived mesenchymal stem/stromal cells on 3D-extruded poly (Îµ-caprolactone) scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 207-222.	1.8	6
7	Electrical stimulation of neural-differentiating iPSCs on novel coaxial electroconductive nanofibers. <i>Biomaterials Science</i> , 2021, 9, 5359-5382.	2.6	16
8	Dimethylxalylglycine, a small molecule, synergistically increases the homing and angiogenic properties of human mesenchymal stromal cells when cultured as 3D spheroids. <i>Biotechnology Journal</i> , 2021, 16, e2000389.	1.8	16
9	Effect of Electrical Stimulation Conditions on Neural Stem Cells Differentiation on Cross-Linked PEDOT:PSS Films. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 591838.	2.0	35
10	The effect of electrospun scaffolds on the glycosaminoglycan profile of differentiating neural stem cells. <i>Biochimie</i> , 2021, 182, 61-72.	1.3	12
11	Bone Matrix Non-Collagenous Proteins in Tissue Engineering: Creating New Bone by Mimicking the Extracellular Matrix. <i>Polymers</i> , 2021, 13, 1095.	2.0	50
12	Modeling Rett Syndrome with Human Pluripotent Stem Cells: Mechanistic Outcomes and Future Clinical Perspectives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3751.	1.8	10
13	Minicircle-based expression of vascular endothelial growth factor in mesenchymal stromal cells from diverse human tissues. <i>Journal of Gene Medicine</i> , 2021, 23, e3342.	1.4	2
14	Generation and characterization of induced pluripotent stem cells from a family carrying the BRCA1 mutation c.3612delA. <i>Stem Cell Research</i> , 2021, 52, 102242.	0.3	3
15	Single-Use Bioreactors for Human Pluripotent and Adult Stem Cells: Towards Regenerative Medicine Applications. <i>Bioengineering</i> , 2021, 8, 68.	1.6	18
16	Transcriptome profiling of human pluripotent stem cell-derived cerebellar organoids reveals faster commitment under dynamic conditions. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2781-2803.	1.7	20
17	Generation and characterization of induced pluripotent stem cells heterozygous for the Portuguese BRCA2 founder mutation. <i>Stem Cell Research</i> , 2021, 53, 102364.	0.3	3
18	Magnetic Field Dynamic Strategies for the Improved Control of the Angiogenic Effect of Mesenchymal Stromal Cells. <i>Polymers</i> , 2021, 13, 1883.	2.0	6

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19	Magnetic stimulation of the angiogenic potential of mesenchymal stromal cells in vascular tissue engineering. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 461-480.	2.8	17
20	Influence of the mesenchymal stromal cell source on the hematopoietic supportive capacity of umbilical cord blood-derived CD34+-enriched cells. <i>Stem Cell Research and Therapy</i> , 2021, 12, 399.	2.4	7
21	PEDOT:PSS-Coated Polybenzimidazole Electroconductive Nanofibers for Biomedical Applications. <i>Polymers</i> , 2021, 13, 2786.	2.0	12
22	Modeling the Human Body on Microfluidic Chips. <i>Trends in Biotechnology</i> , 2021, 39, 838-852.	4.9	53
23	Impact of Donor Age on the Osteogenic Supportive Capacity of Mesenchymal Stromal Cell-Derived Extracellular Matrix. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 747521.	1.8	26
24	Extruded Bioreactor Perfusion Culture Supports the Chondrogenic Differentiation of Human Mesenchymal Stem/Stromal Cells in 3D Porous Poly(ϵ -Caprolactone) Scaffolds. <i>Biotechnology Journal</i> , 2020, 15, e1900078.	1.8	7
25	Kartogenin-loaded coaxial PGS/PCL aligned nanofibers for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110291.	3.8	86
26	Functional comparison of beating cardiomyocytes differentiated from umbilical cord-derived mesenchymal/stromal stem cells and human foreskin-derived induced pluripotent stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 496-514.	2.1	17
27	Extracellular matrix decorated polycaprolactone scaffolds for improved mesenchymal stem/stromal cell osteogenesis towards a patient-tailored bone tissue engineering approach. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2153-2166.	1.6	52
28	Glycosaminoglycan disaccharide compositional analysis of cell-derived extracellular matrices using liquid chromatography-tandem mass spectrometry. <i>Methods in Cell Biology</i> , 2020, 156, 85-106.	0.5	1
29	Scalable Production of Human Mesenchymal Stromal Cell-Derived Extracellular Vesicles Under Serum-/Xeno-Free Conditions in a Microcarrier-Based Bioreactor Culture System. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 553444.	1.8	78
30	Functionalization of Electrospun Nanofibers and Fiber Alignment Enhance Neural Stem Cell Proliferation and Neuronal Differentiation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 580135.	2.0	39
31	Dissolved oxygen concentration regulates human hepatic organoid formation from pluripotent stem cells in a fully controlled bioreactor. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3739-3756.	1.7	13
32	Tailored Cytokine Optimization for ex vivo Culture Platforms Targeting the Expansion of Human Hematopoietic Stem/Progenitor Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 573282.	2.0	9
33	Stem Cell Bioprocessing and Manufacturing. <i>Bioengineering</i> , 2020, 7, 84.	1.6	2
34	From Human Pluripotent Stem Cells to 3D Cardiac Microtissues: Progress, Applications and Challenges. <i>Bioengineering</i> , 2020, 7, 92.	1.6	8
35	Modeling Rett Syndrome With Human Patient-Specific Forebrain Organoids. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 610427.	1.8	49
36	3D Microwell Platform for Cardiomyocyte Differentiation of Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2020, , 1.	0.4	1

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37	Scalable Generation of Mature Cerebellar Organoids from Human Pluripotent Stem Cells and Characterization by Immunostaining. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	26
38	Scalable Manufacturing of Human Hematopoietic Stem/Progenitor Cells Exploiting a Co-culture Platform with Mesenchymal Stromal Cells. <i>Methods in Molecular Biology</i> , 2020, 2286, 107-120.	0.4	0
39	Loss and rescue of osteocalcin and osteopontin modulate osteogenic and angiogenic features of mesenchymal stem/stromal cells. <i>Journal of Cellular Physiology</i> , 2020, 235, 7496-7515.	2.0	18
40	Modulation of the in vitro angiogenic potential of human mesenchymal stromal cells from different tissue sources. <i>Journal of Cellular Physiology</i> , 2020, 235, 7224-7238.	2.0	16
41	Glycosaminoglycan remodeling during chondrogenic differentiation of human bone marrow [~] /synovial-derived mesenchymal stem/stromal cells under normoxia and hypoxia. <i>Glycoconjugate Journal</i> , 2020, 37, 345-360.	1.4	10
42	Maturation of Human Pluripotent Stem Cell-Derived Cerebellar Neurons in the Absence of Co-culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 70.	2.0	39
43	Mesenchymal stromal cells induce regulatory T cells via epigenetic conversion of human conventional CD4 T cells in vitro. <i>Stem Cells</i> , 2020, 38, 1007-1019.	1.4	36
44	Successful Use of Human AB Serum to Support the Expansion of Adipose Tissue-Derived Mesenchymal Stem/Stromal Cell in a Microcarrier-Based Platform. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 307.	2.0	12
45	Challenges and Solutions for Commercial Scale Manufacturing of Allogeneic Pluripotent Stem Cell Products. <i>Bioengineering</i> , 2020, 7, 31.	1.6	13
46	Suspension Culture of Human Induced Pluripotent Stem Cells in Single-Use Vertical-Wheel ^{â„¢} Bioreactors Using Aggregate and Microcarrier Culture Systems. <i>Methods in Molecular Biology</i> , 2020, 2286, 167-178.	0.4	8
47	Successful isolation and ex vivo expansion of human mesenchymal stem/stromal cells obtained from different synovial tissue ^{â„¢} derived (biopsy) samples. <i>Journal of Cellular Physiology</i> , 2019, 234, 3973-3984.	2.0	16
48	Economics of Beta-Cell Replacement Therapy. <i>Current Diabetes Reports</i> , 2019, 19, 75.	1.7	12
49	Multifactorial Modeling Reveals a Dominant Role of Wnt Signaling in Lineage Commitment of Human Pluripotent Stem Cells. <i>Bioengineering</i> , 2019, 6, 71.	1.6	6
50	Impact of the human mesenchymal stem cells donor on conditional medium composition. , 2019, , .		0
51	Strategies for the expansion of human induced pluripotent stem cells as aggregates in single-use Vertical-Wheel ^{â„¢} bioreactors. <i>Journal of Biological Engineering</i> , 2019, 13, 74.	2.0	49
52	Polybenzimidazole nanofibers for neural stem cell culture. <i>Materials Today Chemistry</i> , 2019, 14, 100185.	1.7	20
53	Co-culture cell-derived extracellular matrix loaded electrospun microfibrinous scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 99, 479-490.	3.8	89
54	Bringing Stem Cell ^{â„¢} Based Therapies for Type 1 Diabetes to the Clinic: Early Insights from Bioprocess Economics and Cost ^{â„¢} Effectiveness Analysis. <i>Biotechnology Journal</i> , 2019, 14, 1800563.	1.8	13

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55	Transcriptomic analysis of 3D Cardiac Differentiation of Human Induced Pluripotent Stem Cells Reveals Faster Cardiomyocyte Maturation Compared to 2D Culture. <i>Scientific Reports</i> , 2019, 9, 9229.	1.6	77
56	Cultured cell-derived extracellular matrices to enhance the osteogenic differentiation and angiogenic properties of human mesenchymal stem/stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1544-1558.	1.3	45
57	A complex human gut microbiome cultured in an anaerobic intestine-on-a-chip. <i>Nature Biomedical Engineering</i> , 2019, 3, 520-531.	11.6	487
58	Design Principles for Pluripotent Stem Cell-Derived Organoid Engineering. <i>Stem Cells International</i> , 2019, 2019, 1-17.	1.2	25
59	Polyaniline-polycaprolactone blended nanofibers for neural cell culture. <i>European Polymer Journal</i> , 2019, 117, 28-37.	2.6	58
60	Scalable Manufacturing of Human Mesenchymal Stromal Cells in the Vertical Wheel Bioreactor System: An Experimental and Economic Approach. <i>Biotechnology Journal</i> , 2019, 14, e1800716.	1.8	42
61	Human Pluripotent Stem Cells: Applications and Challenges for Regenerative Medicine and Disease Modeling. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019, 171, 189-224.	0.6	2
62	Addressing the Manufacturing Challenges of Cell-Based Therapies. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019, 171, 225-278.	0.6	14
63	Engineering of Human Mesenchymal Stem/Stromal Cells with Vascular Endothelial Growth Factor-Encoded Minicircles for Angiogenic <i>Ex Vivo</i> Gene Therapy. <i>Human Gene Therapy</i> , 2019, 30, 316-329.	1.4	16
64	Compositional and structural analysis of glycosaminoglycans in cell-derived extracellular matrices. <i>Glycoconjugate Journal</i> , 2019, 36, 141-154.	1.4	38
65	Synergistic effect of extracellularly supplemented osteopontin and osteocalcin on stem cell proliferation, osteogenic differentiation, and angiogenic properties. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6555-6569.	1.2	40
66	CD7 CART Cells for the Therapy of Acute Myeloid Leukemia. <i>Molecular Therapy</i> , 2019, 27, 272-280.	3.7	97
67	Dissolvable Microcarriers Allow Scalable Expansion And Harvesting Of Human Induced Pluripotent Stem Cells Under Xeno-Free Conditions. <i>Biotechnology Journal</i> , 2019, 14, e1800461.	1.8	52
68	Three-Dimensional Cell-Based Microarrays: Printing Pluripotent Stem Cells into 3D Microenvironments. <i>Methods in Molecular Biology</i> , 2018, 1771, 69-81.	0.4	3
69	Regenerative Medicine Manufacturing. <i>Biotechnology Journal</i> , 2018, 13, .	1.8	0
70	Modeling radiation injury-induced cell death and countermeasure drug responses in a human Gut-on-a-Chip. <i>Cell Death and Disease</i> , 2018, 9, 223.	2.7	138
71	Biophysical study of human induced Pluripotent Stem Cell-Derived cardiomyocyte structural maturation during long-term culture. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 611-617.	1.0	35
72	Hematopoietic Niche - Exploring Biomimetic Cues to Improve the Functionality of Hematopoietic Stem/Progenitor Cells. <i>Biotechnology Journal</i> , 2018, 13, 1700088.	1.8	23

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73	A Fully-Closed and Automated Hollow Fiber Bioreactor for Clinical-Grade Manufacturing of Human Mesenchymal Stem/Stromal Cells. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 141-143.	5.6	30
74	Modeling biological and economic uncertainty on cell therapy manufacturing: the choice of culture media supplementation. <i>Regenerative Medicine</i> , 2018, 13, 917-933.	0.8	9
75	Biomimetic matrices for rapidly forming mineralized bone tissue based on stem cell-mediated osteogenesis. <i>Scientific Reports</i> , 2018, 8, 14388.	1.6	46
76	Three-Dimensional Co-culture of Human Hematopoietic Stem/Progenitor Cells and Mesenchymal Stem/Stromal Cells in a Biomimetic Hematopoietic Niche Microenvironment. <i>Methods in Molecular Biology</i> , 2018, 2002, 101-119.	0.4	4
77	A scale out approach towards neural induction of human induced pluripotent stem cells for neurodevelopmental toxicity studies. <i>Toxicology Letters</i> , 2018, 294, 51-60.	0.4	15
78	Towards Multi-Organoid Systems for Drug Screening Applications. <i>Bioengineering</i> , 2018, 5, 49.	1.6	45
79	Bioreactors for the Cultivation of Hematopoietic Stem and Progenitor Cells. , 2018, , 165-200.		0
80	Epigenetic Profile of Treg-like Cells Induced By Mesenchymal Stem Cells in Vitro Resembles That of Natural Treg. <i>Blood</i> , 2018, 132, 2578-2578.	0.6	0
81	Cultivation-based strategies to find efficient marine biocatalysts. <i>Biotechnology Journal</i> , 2017, 12, 1700036.	1.8	13
82	Acellular Urethra Bioscaffold: Decellularization of Whole Urethras for Tissue Engineering Applications. <i>Scientific Reports</i> , 2017, 7, 41934.	1.6	50
83	Defined and Scalable Differentiation of Human Oligodendrocyte Precursors from Pluripotent Stem Cells in a 3D Culture System. <i>Stem Cell Reports</i> , 2017, 8, 1770-1783.	2.3	59
84	Tridimensional configurations of human mesenchymal stem/stromal cells to enhance cell paracrine potential towards wound healing processes. <i>Journal of Biotechnology</i> , 2017, 262, 28-39.	1.9	44
85	Tonic 4-1BB Costimulation in Chimeric Antigen Receptors Impedes T Cell Survival and Is Vector-Dependent. <i>Cell Reports</i> , 2017, 21, 17-26.	2.9	203
86	Improved survival of cardiac cells on surface modified electrospun nanofibers. <i>Polymer Science - Series A</i> , 2017, 59, 515-523.	0.4	8
87	Effects of Different Fibre Alignments and Bioactive Coatings on Mesenchymal Stem/Stromal Cell Adhesion and Proliferation in Poly (É-caprolactone) Scaffolds towards Cartilage Repair. <i>Procedia Manufacturing</i> , 2017, 12, 132-140.	1.9	10
88	Allogeneic cell therapy manufacturing: process development technologies and facility design options. <i>Expert Opinion on Biological Therapy</i> , 2017, 17, 1201-1219.	1.4	30
89	Long-term expansion of human induced pluripotent stem cells in a microcarrier-based dynamic system. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 492-503.	1.6	26
90	Integrated culture platform based on a human platelet lysate supplement for the isolation and scalable manufacturing of umbilical cord matrix-derived mesenchymal stem/stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1630-1640.	1.3	48

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91	Clinical-Grade Manufacturing of Therapeutic Human Mesenchymal Stem/Stromal Cells in Microcarrier-Based Culture Systems. <i>Methods in Molecular Biology</i> , 2016, 1416, 375-388.	0.4	12
92	Microcarrier-based platforms for in vitro expansion and differentiation of human pluripotent stem cells in bioreactor culture systems. <i>Journal of Biotechnology</i> , 2016, 234, 71-82.	1.9	51
93	Scalable microcarrier-based manufacturing of mesenchymal stem/stromal cells. <i>Journal of Biotechnology</i> , 2016, 236, 88-109.	1.9	64
94	Scaling up a chemically defined aggregate-based suspension culture system for neural commitment of human pluripotent stem cells. <i>Biotechnology Journal</i> , 2016, 11, 1628-1638.	1.8	16
95	Stirred tank bioreactor culture combined with serum/xenogeneic-free culture medium enables an efficient expansion of umbilical cord-derived mesenchymal stem/stromal cells. <i>Biotechnology Journal</i> , 2016, 11, 1048-1059.	1.8	56
96	Extracellular matrix microarrays to study inductive signaling for endoderm specification. <i>Acta Biomaterialia</i> , 2016, 34, 30-40.	4.1	24
97	Defined Essential 8 α , β Medium and Vitronectin Efficiently Support Scalable Xeno-Free Expansion of Human Induced Pluripotent Stem Cells in Stirred Microcarrier Culture Systems. <i>PLoS ONE</i> , 2016, 11, e0151264.	1.1	57
98	Editorial: Stem Cell Engineering. <i>Biotechnology Journal</i> , 2015, 10, 1509-1510.	1.8	1
99	A xeno-free microcarrier-based stirred culture system for the scalable expansion of human mesenchymal stem/stromal cells isolated from bone marrow and adipose tissue. <i>Biotechnology Journal</i> , 2015, 10, 1235-1247.	1.8	55
100	Neural commitment of human pluripotent stem cells under defined conditions recapitulates neural development and generates patient-specific neural cells. <i>Biotechnology Journal</i> , 2015, 10, 1578-1588.	1.8	28
101	Developing a co-culture system for effective megakaryo/thrombopoiesis from umbilical cord blood hematopoietic stem/progenitor cells. <i>Cytotherapy</i> , 2015, 17, 428-442.	0.3	10
102	A human platelet lysate-based culture supplement for the successful isolation and scalable expansion of umbilical cord matrix-derived mesenchymal stem/stromal cells. <i>Cytotherapy</i> , 2015, 17, S43.	0.3	0
103	A value-added exopolysaccharide as a coating agent for MRI nanoprobe. <i>Nanoscale</i> , 2015, 7, 14272-14283.	2.8	17
104	Spatial and temporal control of cell aggregation efficiently directs human pluripotent stem cells towards neural commitment. <i>Biotechnology Journal</i> , 2015, 10, 1612-1624.	1.8	35
105	Clinical-scale purification of pluripotent stem cell derivatives for cell-based therapies. <i>Biotechnology Journal</i> , 2015, 10, 1103-1114.	1.8	23
106	Scaling up the ex vivo expansion of human circulating CD34+ progenitor cells with upregulation of angiogenic and anti-inflammatory potential. <i>Cytotherapy</i> , 2015, 17, 1777-1784.	0.3	6
107	Advanced cell therapies for articular cartilage regeneration. <i>Trends in Biotechnology</i> , 2015, 33, 35-42.	4.9	156
108	Stem cell bioengineering strategies to widen the therapeutic applications of haematopoietic stem/progenitor cells from umbilical cord blood. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 988-1003.	1.3	10

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109	<i>Ex vivo</i> expansion of cord blood haematopoietic stem/progenitor cells under physiological oxygen tensions: clear-cut effects on cell proliferation, differentiation and metabolism. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1172-1181.	1.3	21
110	Intracoronary Delivery of Human Mesenchymal/Stromal Stem Cells: Insights from Coronary Microcirculation Invasive Assessment in a Swine Model. <i>PLoS ONE</i> , 2015, 10, e0139870.	1.1	16
111	Differentiation of Human Umbilical Cord Matrix Mesenchymal Stem Cells into Neural-Like Progenitor Cells and Maturation into an Oligodendroglial-Like Lineage. <i>PLoS ONE</i> , 2014, 9, e111059.	1.1	57
112	Purification of Human Induced Pluripotent Stem Cell-Derived Neural Precursors Using Magnetic Activated Cell Sorting. <i>Methods in Molecular Biology</i> , 2014, 1283, 137-145.	0.4	4
113	Safety of intracoronary delivery of mesenchymal/stromal stem cells: insights from coronary microcirculation invasive assessment. <i>Cardiovascular Research</i> , 2014, 103, S65.3-S65.	1.8	0
114	Stem cell bioprocessing for regenerative medicine. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 34-47.	1.6	30
115	Isolation and <i>ex vivo</i> expansion of synovial mesenchymal stromal cells for cartilage repair. <i>Cytotherapy</i> , 2014, 16, 440-453.	0.3	23
116	Maximizing mouse embryonic stem cell production in a stirred tank reactor by controlling dissolved oxygen concentration and continuous perfusion operation. <i>Biochemical Engineering Journal</i> , 2014, 82, 81-90.	1.8	17
117	A cell rolling cytometer reveals the correlation between mesenchymal stem cell dynamic adhesion and differentiation state. <i>Lab on A Chip</i> , 2014, 14, 161-166.	3.1	29
118	Kinetic model for the esterification of ethyl caproate for reaction optimization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 16-22.	1.8	9
119	A xenogeneic-free bioreactor system for the clinical-scale expansion of human mesenchymal stem/stromal cells. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1116-1127.	1.7	129
120	Assessing diffusion in enzyme loaded sol-gel matrices. <i>RSC Advances</i> , 2014, 4, 25099-25105.	1.7	13
121	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. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 4, 50-55.	2.1	8
122	Scalable Ex Vivo Expansion of Human Mesenchymal Stem/Stromal Cells in Microcarrier-Based Stirred Culture Systems. <i>Methods in Molecular Biology</i> , 2014, 1283, 147-159.	0.4	17
123	Scalable Expansion of Human-Induced Pluripotent Stem Cells in Xeno-Free Microcarriers. <i>Methods in Molecular Biology</i> , 2014, 1283, 23-29.	0.4	24
124	Concise Review: Genomic Instability in Human Stem Cells: Current Status and Future Challenges. <i>Stem Cells</i> , 2014, 32, 2824-2832.	1.4	43
125	Integrated Platform for Production and Purification of Human Pluripotent Stem Cell-Derived Neural Precursors. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 151-161.	5.6	18
126	Stem cell engineering towards the optimization of the <i>ex-vivo</i> expansion of human hematopoietic stem/progenitor cells for cellular therapies. <i>Cytotherapy</i> , 2014, 16, S60.	0.3	0

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127	Three dimensional cellular microarray platform for human neural stem cell differentiation and toxicology. <i>Stem Cell Research</i> , 2014, 13, 36-47.	0.3	57
128	Separation Technologies for Stem Cell Bioprocessing. <i>Cell Engineering</i> , 2014, , 157-181.	0.4	2
129	Characterisation of biocatalysts immobilised in niobiumâ€”a new inorganic solid support. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 432-440.	0.9	4
130	Direct Head-To-Head Comparison of Cationic Liposome-Mediated Gene Delivery to Mesenchymal Stem/Stromal Cells of Different Human Sources: A Comprehensive Study. <i>Human Gene Therapy Methods</i> , 2013, 24, 38-48.	2.1	24
131	Nonviral Gene Delivery to Neural Stem Cells with Minicircles by Microporation. <i>Biomacromolecules</i> , 2013, 14, 1379-1387.	2.6	17
132	Human mesenchymal stem cells from the umbilical cord matrix: Successful isolation and ex vivo expansion using serumâ€”xenoâ€”free culture media. <i>Biotechnology Journal</i> , 2013, 8, 448-458.	1.8	60
133	Bioreactor design for clinicalâ€”grade expansion of stem cells. <i>Biotechnology Journal</i> , 2013, 8, 644-654.	1.8	98
134	Modeling Stem Cell Induction Processes. <i>PLoS ONE</i> , 2013, 8, e60240.	1.1	5
135	Mesenchymal stem cells from umbilical cord matrix, adipose tissue and bone marrow exhibit different capability to suppress peripheral blood B, natural killer and T cells. <i>Stem Cell Research and Therapy</i> , 2013, 4, 125.	2.4	213
136	Biocatalytic transesterification of triglycerides and alcohols for the production of biodiesel using cutinase in organic media. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 246-254.	1.1	1
137	An Appraisal of Human Mitochondrial DNA Instability: New Insights into the Role of Non-Canonical DNA Structures and Sequence Motifs. <i>PLoS ONE</i> , 2013, 8, e59907.	1.1	25
138	Intraoperative Stem Cell Therapy. <i>Annual Review of Biomedical Engineering</i> , 2012, 14, 325-349.	5.7	48
139	Separation technologies for stem cell bioprocessing. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2699-2709.	1.7	46
140	Impact of hypoxia and long-term cultivation on the genomic stability and mitochondrial performance of ex vivo expanded human stem/stromal cells. <i>Stem Cell Research</i> , 2012, 9, 225-236.	0.3	51
141	Plasmid DNA Size Does Affect Nonviral Gene Delivery Efficiency in Stem Cells. <i>Cellular Reprogramming</i> , 2012, 14, 130-137.	0.5	46
142	New Insights into the Mechanisms of Embryonic Stem Cell Self-Renewal under Hypoxia: A Multifactorial Analysis Approach. <i>PLoS ONE</i> , 2012, 7, e38963.	1.1	23
143	Genetically engineered stem cellâ€”based strategies for articular cartilage regeneration. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 121-131.	1.4	11
144	OPTIMIZATION OF FLAVOR ESTERS SYNTHESIS BY FUSARIUM SOLANI PISI CUTINASE. <i>Journal of Food Biochemistry</i> , 2012, 36, 275-284.	1.2	42

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145	Continuous steroid biotransformations in microchannel reactors. <i>New Biotechnology</i> , 2012, 29, 227-234.	2.4	20
146	Human Mesenchymal Stem Cell Expression Program upon Extended Ex-Vivo Cultivation, as Revealed by 2-DE-Based Quantitative Proteomics. <i>PLoS ONE</i> , 2012, 7, e43523.	1.1	51
147	Exploring embryonic stem cell fate using cellular microarrays. , 2011, , .		0
148	An appraisal of genetic stability in human mesenchymal stem cells. , 2011, , .		0
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464	Oxygen limitation on L-serine production in a hollow-fiber bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 1986, 13, 181-187.	1.4	5
465	Comparison of action patterns of gelatin-entrapped and surface-bound glucoamylase on an α -amylase degraded starch substrate: a critical examination of reversion products. <i>Enzyme and Microbial Technology</i> , 1985, 7, 22-28.	1.6	14
466	Biocatalysis in Biphasic Systems: General. , 0, , 189-210.		3
467	Fabrication of Novel Electroconductive PAN/PEDOT:PSS Nanofibers for Osteochondral Tissue Regeneration. , 0, , .		0