

Patrícia I Gomes-Alves

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

875
citations

567144

15
h-index

501076

28
g-index

41
all docs

41
docs citations

41
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	3D aggregate culture improves metabolic maturation of human pluripotent stem cell derived cardiomyocytes. <i>Biotechnology and Bioengineering</i> , 2018, 115, 630-644.	1.7	108
2	Expansion of 3D human induced pluripotent stem cell aggregates in bioreactors: Bioprocess intensification and scaling-up approaches. <i>Journal of Biotechnology</i> , 2017, 246, 81-93.	1.9	77
3	First Insights into the Biochemistry of Tube Foot Adhesive from the Sea Urchin <i>Paracentrotus lividus</i> (Echinoidea, Echinodermata). <i>Marine Biotechnology</i> , 2009, 11, 686-698.	1.1	64
4	Extracellular Vesicles from Ovarian Carcinoma Cells Display Specific Glycosignatures. <i>Biomolecules</i> , 2015, 5, 1741-1761.	1.8	64
5	Bioprocess integration for human mesenchymal stem cells: From up to downstream processing scale-up to cell proteome characterization. <i>Journal of Biotechnology</i> , 2017, 248, 87-98.	1.9	61
6	Recapitulation of Human Neural Microenvironment Signatures in iPSC-Derived NPC 3D Differentiation. <i>Stem Cell Reports</i> , 2018, 11, 552-564.	2.3	59
7	CXCL6 is an important paracrine factor in the pro-angiogenic human cardiac progenitor-like cell secretome. <i>Scientific Reports</i> , 2017, 7, 12490.	1.6	39
8	Human cardiac progenitor cell activation and regeneration mechanisms: exploring a novel myocardial ischemia/reperfusion in vitro model. <i>Stem Cell Research and Therapy</i> , 2019, 10, 77.	2.4	37
9	Bioreactor-based 3D human myocardial ischemia/reperfusion in vitro model: a novel tool to unveil key paracrine factors upon acute myocardial infarction. <i>Translational Research</i> , 2020, 215, 57-74.	2.2	36
10	Rescue of F508del-CFTR by RXR motif inactivation triggers proteome modulation associated with the unfolded protein response. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 856-865.	1.1	31
11	Low temperature restoring effect on F508del-CFTR misprocessing: A proteomic approach. <i>Journal of Proteomics</i> , 2009, 73, 218-230.	1.2	29
12	SELDI-TOF biomarker signatures for cystic fibrosis, asthma and chronic obstructive pulmonary disease. <i>Clinical Biochemistry</i> , 2010, 43, 168-177.	0.8	28
13	Unveiling the molecular crosstalk in a human induced pluripotent stem cell-derived cardiac model. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1245-1252.	1.7	27
14	Production of high-quality SARS-CoV-2 antigens: Impact of bioprocess and storage on glycosylation, biophysical attributes, and ELISA serologic tests performance. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2202-2219.	1.7	27
15	Definition of a cell surface signature for human cardiac progenitor cells after comprehensive comparative transcriptomic and proteomic characterization. <i>Scientific Reports</i> , 2019, 9, 4647.	1.6	17
16	Glycation modulates glutamatergic signaling and exacerbates Parkinson's disease-like phenotypes. <i>Npj Parkinson's Disease</i> , 2022, 8, 51.	2.5	15
17	Exploring analytical proteomics platforms toward the definition of human cardiac stem cells receptome. <i>Proteomics</i> , 2015, 15, 1332-1337.	1.3	14
18	Bioactivity and miRNome Profiling of Native Extracellular Vesicles in Human Induced Pluripotent Stem Cell-Cardiomyocyte Differentiation. <i>Advanced Science</i> , 2022, 9, e2104296.	5.6	14

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19	InÂvitro expansion of human cardiac progenitor cells: exploring 'omics tools for characterization of cell-based allogeneic products. <i>Translational Research</i> , 2016, 171, 96-110.e3.	2.2	13
20	Multi attribute method implementation using a High Resolution Mass Spectrometry platform: From sample preparation to batch analysis. <i>PLoS ONE</i> , 2022, 17, e0262711.	1.1	13
21	Toward a Microencapsulated 3D hiPSC-Derived in vitro Cardiac Microtissue for Recapitulation of Human Heart Microenvironment Features. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 580744.	2.0	11
22	Human cardiac stem cells inhibit lymphocyte proliferation through paracrine mechanisms that correlate with indoleamine 2,3-dioxygenase induction and activity. <i>Stem Cell Research and Therapy</i> , 2018, 9, 290.	2.4	10
23	The plasma membrane-enriched fraction proteome response during adaptation to hydrogen peroxide in <i>Saccharomyces cerevisiae</i> . <i>Free Radical Research</i> , 2012, 46, 1267-1279.	1.5	9
24	Advancing manufacture of human mesenchymal stem cells therapies: technological challenges in cell bioprocessing and characterization. <i>Current Opinion in Chemical Engineering</i> , 2018, 22, 226-235.	3.8	9
25	Exploring the analytical power of the QTOF MS platform to assess monoclonal antibodies quality attributes. <i>PLoS ONE</i> , 2019, 14, e0219156.	1.1	9
26	Unveiling Human Cardiac Fibroblast Membrane Proteome. <i>Proteomics</i> , 2018, 18, e1700446.	1.3	8
27	Leveraging rAAV bioprocess understanding and next generation bioanalytics development. <i>Current Opinion in Biotechnology</i> , 2022, 74, 271-277.	3.3	8
28	Insect Cells for High-Yield Production of SARS-CoV-2 Spike Protein: Building a Virosome-Based COVID-19 Vaccine Candidate. <i>Pharmaceutics</i> , 2022, 14, 854.	2.0	8
29	Proteomic and Glyco(proteo)mic tools in the profiling of cardiac progenitors and pluripotent stem cell derived cardiomyocytes: Accelerating translation into therapy. <i>Biotechnology Advances</i> , 2021, 49, 107755.	6.0	6
30	Stem cells characterization: OMICS reinforcing analytics. <i>Current Opinion in Biotechnology</i> , 2021, 71, 175-181.	3.3	6
31	Muscle dysfunction in axial spondylarthritis: the MyoSpA study. <i>Clinical and Experimental Rheumatology</i> , 2022, 40, 267-273.	0.4	4
32	Proteomics uncovering possible key players in F508del-CFTR processing and trafficking. <i>Expert Review of Proteomics</i> , 2010, 7, 487-494.	1.3	3
33	Signaling Pathways of Proteostasis Network Unraveled by Proteomic Approaches on the Understanding of Misfolded Protein Rescue. <i>Methods in Enzymology</i> , 2011, 491, 217-233.	0.4	3
34	Mining for Peaks in LC-HRMS Datasets Using Finnee – A Case Study with Exhaled Breath Condensates from Healthy, Asthmatic, and COPD Patients. <i>ACS Omega</i> , 2020, 5, 16089-16098.	1.6	3
35	Full-length human CCBE1 production and purification: leveraging bioprocess development for high quality glycosylation attributes and functionality. <i>Journal of Biotechnology</i> , 2018, 285, 6-14.	1.9	2
36	Expression of Extracellular Vesicle PIWI-Interacting RNAs Throughout hiPSC-Cardiomyocyte Differentiation. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2

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37	Lumbar myofascial physical properties in healthy adults: myotonometry vs. shear wave elastography measurements. <i>Acta Reumatológica Portuguesa</i> , 2021, 46, 110-119.	0.2	1
38	Bioinspired Manufacturing of hiPSC-based Therapy Products for application in Cardiovascular Regenerative Medicine. <i>Cytotherapy</i> , 2020, 22, S158-S159.	0.3	0
39	3D Strategies for Expansion of Human Cardiac Stem/Progenitor Cells. , 2018, , 63-95.		0
40	The role of muscle in the susceptibility and progression of axial Spondyloarthritis: The MyoSpA Study Protocol.. <i>Acta Reumatológica Portuguesa</i> , 2021, 46, 342-349.	0.2	0