

# Lorenza Lazzari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6909631/publications.pdf>

Version: 2024-02-01

103  
papers

8,094  
citations

101543

36  
h-index

48315

88  
g-index

106  
all docs

106  
docs citations

106  
times ranked

11318  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Perivascular Origin for Mesenchymal Stem Cells in Multiple Human Organs. <i>Cell Stem Cell</i> , 2008, 3, 301-313.	11.1	3,556
2	Perivascular Ancestors of Adult Multipotent Stem Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1104-1109.	2.4	279
3	Natural history of mesenchymal stem cells, from vessel walls to culture vessels. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1353-1374.	5.4	231
4	Short-term, long-term and paracrine effect of human umbilical cord-derived stem cells in lung injury prevention and repair in experimental bronchopulmonary dysplasia. <i>Thorax</i> , 2013, 68, 475-484.	5.6	217
5	Perivascular Multipotent Progenitor Cells in Human Organs. <i>Annals of the New York Academy of Sciences</i> , 2009, 1176, 118-123.	3.8	177
6	Molecular and phenotypic characterization of human amniotic fluid cells and their differentiation potential. <i>Cell Research</i> , 2006, 16, 329-336.	12.0	175
7	Perivascular support of human hematopoietic stem/progenitor cells. <i>Blood</i> , 2013, 121, 2891-2901.	1.4	167
8	Life-Sparing Effect of Human Cord Blood-Mesenchymal Stem Cells in Experimental Acute Kidney Injury. <i>Stem Cells</i> , 2010, 28, 513-522.	3.2	161
9	Oct-4 Expression in Adult Human Differentiated Cells Challenges Its Role as a Pure Stem Cell Marker. <i>Stem Cells</i> , 2007, 25, 1675-1680.	3.2	151
10	Perivascular multi-lineage progenitor cells in human organs: Regenerative units, cytokine sources or both?. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 429-434.	7.2	148
11	A new three dimensional biomimetic hydrogel to deliver factors secreted by human mesenchymal stem cells in spinal cord injury. <i>Biomaterials</i> , 2016, 75, 135-147.	11.4	141
12	Human umbilical cord blood mesenchymal stem cells protect mice brain after trauma*. <i>Critical Care Medicine</i> , 2011, 39, 2501-2510.	0.9	130
13	What is beyond a qRT-PCR study on mesenchymal stem cell differentiation properties: how to choose the most reliable housekeeping genes. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 168-180.	3.6	128
14	Pre-culturing human adipose tissue mesenchymal stem cells under hypoxia increases their adipogenic and osteogenic differentiation potentials. <i>Cell Proliferation</i> , 2012, 45, 225-238.	5.3	125
15	Purification and Long-Term Culture of Multipotent Progenitor Cells Affiliated with the Walls of Human Blood Vessels: Myoendothelial Cells and Pericytes. <i>Methods in Cell Biology</i> , 2008, 86, 295-309.	1.1	104
16	Mitochondrial dysfunction in Parkinsonian mesenchymal stem cells impairs differentiation. <i>Redox Biology</i> , 2018, 14, 474-484.	9.0	104
17	High GATA-2 expression inhibits human hematopoietic stem and progenitor cell function by effects on cell cycle. <i>Blood</i> , 2009, 113, 2661-2672.	1.4	103
18	Extracellular Vesicle-Shuttled mRNA in Mesenchymal Stem Cell Communication. <i>Stem Cells</i> , 2017, 35, 1093-1105.	3.2	95

#	ARTICLE	IF	CITATIONS
19	Mesenchymal stem cells encapsulated into biomimetic hydrogel scaffold gradually release CCL2 chemokine in situ preserving cytoarchitecture and promoting functional recovery in spinal cord injury. <i>Journal of Controlled Release</i> , 2018, 278, 49-56.	9.9	80
20	FOXP1 circular RNA sustains mesenchymal stem cell identity via microRNA inhibition. <i>Nucleic Acids Research</i> , 2019, 47, 5325-5340.	14.5	78
21	Comparative Study of Different Procedures for the Collection and Banking of Umbilical Cord Blood. <i>Stem Cells and Development</i> , 1995, 4, 29-36.	1.0	76
22	Manufacturing Mesenchymal Stromal Cells for the Treatment of Graft-versus-Host Disease: A Survey among Centers Affiliated with the European Society for Blood and Marrow Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, 2365-2370.	2.0	61
23	Differentiation and migration properties of human foetal umbilical cord perivascular cells: potential for lung repair. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 796-808.	3.6	60
24	Low-affinity Nerve Growth Factor Receptor (CD271) Heterogeneous Expression in Adult and Fetal Mesenchymal Stromal Cells. <i>Scientific Reports</i> , 2018, 8, 9321.	3.3	55
25	Platelet gel from cord blood: A novel tool for tissue engineering. <i>Platelets</i> , 2010, 21, 549-554.	2.3	52
26	Airway Fistula Closure after Stem-Cell Infusion. <i>New England Journal of Medicine</i> , 2015, 372, 96-97.	27.0	52
27	A novel method for banking dental pulp stem cells. <i>Transfusion and Apheresis Science</i> , 2012, 47, 199-206.	1.0	51
28	Cellular Kinetics of Perivascular MSC Precursors. <i>Stem Cells International</i> , 2013, 2013, 1-18.	2.5	51
29	Differential microRNA signature of human mesenchymal stem cells from different sources reveals an "environmental-niche memory" for bone marrow stem cells. <i>Experimental Cell Research</i> , 2013, 319, 1562-1574.	2.6	45
30	Intracerebroventricular Administration of Human Umbilical Cord Blood Cells Delays Disease Progression in Two Murine Models of Motor Neuron Degeneration. <i>Rejuvenation Research</i> , 2011, 14, 623-639.	1.8	44
31	Long-term expansion and maintenance of cord blood haematopoietic stem cells using thrombopoietin, Flt3-ligand, interleukin (IL)-6 and IL-11 in a serum-free and stroma-free culture system. <i>British Journal of Haematology</i> , 2001, 112, 397-404.	2.5	42
32	The Milan Cord Blood Bank and the Italian Cord Blood Network. <i>Stem Cells and Development</i> , 1996, 5, 117-122.	1.0	41
33	Finding a new therapeutic approach for no-option Parkinsonisms: mesenchymal stromal cells for progressive supranuclear palsy. <i>Journal of Translational Medicine</i> , 2016, 14, 127.	4.4	41
34	Cell Lines Derived from Human Parthenogenetic Embryos Can Display Aberrant Centriole Distribution and Altered Expression Levels of Mitotic Spindle Check-point Transcripts. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 340-352.	5.6	40
35	Retrovirus-mediated transfer of the multidrug resistance gene into human haemopoietic progenitor cells. <i>British Journal of Haematology</i> , 1994, 88, 318-324.	2.5	39
36	Adipogenic potential in human mesenchymal stem cells strictly depends on adult or foetal tissue harvest. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2456-2466.	2.8	37

#	ARTICLE	IF	CITATIONS
37	Angiogenic and anti-inflammatory properties of mesenchymal stem cells from cord blood: soluble factors and extracellular vesicles for cell regeneration. <i>European Journal of Cell Biology</i> , 2016, 95, 228-238.	3.6	37
38	Intravenous infusion of human bone marrow mesenchymal stromal cells promotes functional recovery and neuroplasticity after ischemic stroke in mice. <i>Scientific Reports</i> , 2017, 7, 6962.	3.3	36
39	Clinically relevant hydrogel-based on hyaluronic acid and platelet rich plasma as a carrier for mesenchymal stem cells: Rheological and biological characterization. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2109-2116.	2.3	35
40	Standardized GMP-compliant scalable production of human pancreas organoids. <i>Stem Cell Research and Therapy</i> , 2020, 11, 94.	5.5	34
41	Autologous mesenchymal stem cell therapy for progressive supranuclear palsy: translation into a phase I controlled, randomized clinical study. <i>Journal of Translational Medicine</i> , 2014, 12, 14.	4.4	30
42	Extensive Characterization of Platelet Gel Releasate from Cord Blood in Regenerative Medicine. <i>Cell Transplantation</i> , 2015, 24, 2573-2584.	2.5	30
43	Three-dimensional podocyte-endothelial cell co-cultures: Assembly, validation, and application to drug testing and intercellular signaling studies. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 86, 1-12.	4.0	30
44	Mesenchymal stromal cells and their secreted extracellular vesicles as therapeutic tools for COVID-19 pneumonia?. <i>Journal of Controlled Release</i> , 2020, 325, 135-140.	9.9	28
45	Allogeneic mesenchymal stem cell infusion for the stabilization of focal segmental glomerulosclerosis. <i>Biologicals</i> , 2013, 41, 439-445.	1.4	27
46	Generation of a Functioning and Self-Renewing Diaphragmatic Muscle Construct. <i>Stem Cells Translational Medicine</i> , 2019, 8, 858-869.	3.3	27
47	Human cord blood-derived platelet lysate enhances the therapeutic activity of adipose-derived mesenchymal stromal cells isolated from Crohn's disease patients in a mouse model of colitis. <i>Stem Cell Research and Therapy</i> , 2015, 6, 170.	5.5	26
48	Reasons for discard of umbilical cord blood units before cryopreservation. <i>Transfusion</i> , 2000, 40, 122-123.	1.6	25
49	Human airway organoids and microplastic fibers: A new exposure model for emerging contaminants. <i>Environment International</i> , 2022, 163, 107200.	10.0	25
50	How far are we from the clinical use of placental-derived mesenchymal stem cells?. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 613-617.	3.1	24
51	Endothelial Colony Forming Capacity is Related to C-Reactive Protein Levels in Healthy Subjects. <i>Current Neurovascular Research</i> , 2006, 3, 99-106.	1.1	23
52	Tips and Tricks for Validation of Quality Control Analytical Methods in Good Manufacturing Practice Mesenchymal Stromal Cell Production. <i>Stem Cells International</i> , 2018, 2018, 1-16.	2.5	23
53	Do mesenchymal stem cells play a role in vocal fold fat graft survival?. <i>Cell Proliferation</i> , 2008, 41, 460-473.	5.3	22
54	Changes in the proteomic profile of adipose tissue-derived mesenchymal stem cells during passages. <i>Proteome Science</i> , 2012, 10, 46.	1.7	22

#	ARTICLE	IF	CITATIONS
55	Dissection of the Cord Blood Stromal Component Reveals Predictive Parameters for Culture Outcome. <i>Stem Cells and Development</i> , 2015, 24, 104-114.	2.1	22
56	Evaluation of the effect of cryopreservation on ex vivo expansion of hematopoietic progenitors from cord blood. <i>Bone Marrow Transplantation</i> , 2001, 28, 693-698.	2.4	20
57	Challenges of running a GMP facility for regenerative medicine in a public hospital. <i>Regenerative Medicine</i> , 2017, 12, 803-813.	1.7	20
58	High-Altitude trekking in the Himalayas increases the activity of circulating endothelial cells. <i>American Journal of Hematology</i> , 2005, 79, 76-78.	4.1	19
59	Lung transplantation, ex-vivo reconditioning and regeneration: state of the art and perspectives. <i>Journal of Thoracic Disease</i> , 2018, 10, S2423-S2430.	1.4	18
60	NG2 as an Identity and Quality Marker of Mesenchymal Stem Cell Extracellular Vesicles. <i>Cells</i> , 2019, 8, 1524.	4.1	18
61	Homing of peripherally injected bone marrow cells in rat after experimental myocardial injury. <i>Haematologica</i> , 2003, 88, 614-21.	3.5	18
62	InÂVitro Evaluation of Graft-versus-Graft Alloreactivity as a Tool to Identify the Predominant Cord Blood Unit before Double Cord Blood Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2012, 18, 1108-1118.	2.0	17
63	Clinical grade cell manipulation. <i>Vox Sanguinis</i> , 2004, 87, 65-72.	1.5	16
64	Comparison of different serum-free media for ex vivo expansion of HPCs from cord blood using thrombopoietin, Flt-3 ligand, IL-6, and IL-11. <i>Transfusion</i> , 2001, 41, 718-719.	1.6	15
65	Defining the identity of human adipose-derived mesenchymal stem cells. <i>Biochemistry and Cell Biology</i> , 2015, 93, 74-82.	2.0	15
66	Hydroquinone induces DNA hypomethylation-independent overexpression of retroelements in human leukemia and hematopoietic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 691-695.	2.1	15
67	FGF23 and Fetuin-A Interaction in the Liver and in the Circulation. <i>International Journal of Biological Sciences</i> , 2018, 14, 586-598.	6.4	15
68	Quality of Repopulation in Nonobese Diabetic Severe Combined Immunodeficient Mice Engrafted With Expanded Cord Blood CD34+ Cells. <i>Blood</i> , 1999, 94, 3269-3270.	1.4	14
69	Potential advantages of cell administration on the inflammatory response compared to standard ACE inhibitor treatment in experimental myocardial infarction. <i>Journal of Translational Medicine</i> , 2008, 6, 30.	4.4	14
70	The effect of interleukin-12 in ex-vivo expansion of human haemopoietic progenitors. <i>British Journal of Haematology</i> , 1995, 90, 935-938.	2.5	12
71	A Chemically Defined Medium-Based Strategy to Efficiently Generate Clinically Relevant Cord Blood Mesenchymal Stromal Colonies. <i>Cell Transplantation</i> , 2016, 25, 1501-1514.	2.5	12
72	Blood-derived extracellular vesicles isolated from healthy donors exposed to air pollution modulate in vitro endothelial cells behavior. <i>Scientific Reports</i> , 2020, 10, 20138.	3.3	11

#	ARTICLE	IF	CITATIONS
73	Development of a biological resource center for cellular therapy and biobanking in a public polyclinic university hospital. <i>Biologicals</i> , 2008, 36, 79-87.	1.4	10
74	Central metabolism of functionally heterogeneous mesenchymal stromal cells. <i>Scientific Reports</i> , 2019, 9, 15420.	3.3	10
75	Age-related changes in the energy of human mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2022, 237, 1753-1767.	4.1	10
76	How we make cell therapy in Italy. <i>Drug Design, Development and Therapy</i> , 2015, 9, 4825.	4.3	9
77	Protein O-mannosylation is crucial for human mesenchymal stem cells fate. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 445-458.	5.4	9
78	A circular RNA map for human induced pluripotent stem cells of foetal origin. <i>EBioMedicine</i> , 2020, 57, 102848.	6.1	9
79	Serial Transplantations in Nonobese Diabetic/Severe Combined Immunodeficiency Mice of Transduced Human CD34+ Cord Blood Cells: Efficient Oncoretroviral Gene Transfer and Ex Vivo Expansion Under Serum-Free Conditions. <i>Stem Cells</i> , 2006, 24, 1201-1212.	3.2	8
80	Microtubule defects in mesenchymal stromal cells distinguish patients with Progressive Supranuclear Palsy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2670-2679.	3.6	8
81	Critical Analysis of cGMP Large-Scale Expansion Process in Bioreactors of Human Induced Pluripotent Stem Cells in the Framework of Quality by Design. <i>BioDrugs</i> , 2021, 35, 693-714.	4.6	7
82	A comprehensive report of long-term stability data for a range ATMPs: A need to develop guidelines for safe and harmonized stability studies. <i>Cytotherapy</i> , 2022, 24, 544-556.	0.7	7
83	International Forum. <i>Vox Sanguinis</i> , 2002, 83, 172-187.	1.5	6
84	Clinical-grade cell purification from thawed cord blood: an example of translational research. <i>Bone Marrow Transplantation</i> , 2003, 32, 965-966.	2.4	6
85	Role of Chk1 in the differentiation program of hematopoietic stem cells. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1713-1722.	5.4	6
86	Circulating Endothelial Progenitor Cell Colony-Forming Capacity in Healthy Subjects: How Does an Endothelial Colony Look Like?. <i>American Journal of Cardiology</i> , 2007, 100, 559-560.	1.6	5
87	Diet composition transiently modulates proliferative and potency features of human cord blood-derived mesenchymal stem cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 55, 269-278.	2.8	5
88	Assessing cytokines' talking patterns following experimental myocardial damage by applying Shannon's information theory. <i>Journal of Theoretical Biology</i> , 2014, 343, 25-31.	1.7	5
89	The translocation of marrow MNCs after experimental myocardial cryoinjury is proportional to the infarcted area. <i>Transfusion</i> , 2004, 44, 239-244.	1.6	4
90	Assessment of Selective Homing and Contribution to Vessel Formation of Cryopreserved Peripherally Injected Bone Marrow Mononuclear Cells Following Experimental Myocardial Damage. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , 2006, 6, 141-149.	0.7	4

#	ARTICLE	IF	CITATIONS
91	Chondrogenic and BMP-4 primings confer osteogenesis potential to human cord blood mesenchymal stromal cells delivered with biphasic calcium phosphate ceramics. <i>Scientific Reports</i> , 2021, 11, 6751.	3.3	4
92	Process development and validation of expanded regulatory T cells for prospective applications: an example of manufacturing a personalized advanced therapy medicinal product. <i>Journal of Translational Medicine</i> , 2022, 20, 14.	4.4	4
93	Identification of the best housekeeping gene for RT-qPCR analysis of human pancreatic organoids. <i>PLoS ONE</i> , 2021, 16, e0260902.	2.5	4
94	Gene Transfer-Mediated Generation of Drug-Resistant Hemopoiesis. <i>Leukemia and Lymphoma</i> , 1996, 21, 17-23.	1.3	3
95	Molecular and phenotypical characterization of human amniotic fluid cells and their differentiation potential. <i>Bio-Medical Materials and Engineering</i> , 2008, 18, 183-185.	0.6	3
96	Pleural tissue repair with cord blood platelet gel. <i>Blood Transfusion</i> , 2014, 12 Suppl 1, s235-42.	0.4	3
97	FGF23 and Fetuin-A Interaction and Mesenchymal Osteogenic Transformation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 915.	4.1	2
98	Validation of an automated cell counting method for cGMP manufacturing of human induced pluripotent stem cells. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 33, e00708.	4.4	2
99	Molecular and phenotypical characterization of human amniotic fluid cells and their differentiation potential. <i>Bio-Medical Materials and Engineering</i> , 2008, 18, 183-5.	0.6	2
100	Transplantation of Ex Vivo Expanded Cord Blood Progenitor Cells: First Experience in Two Children Affected by Hemoglobinopathies.. <i>Blood</i> , 2005, 106, 2187-2187.	1.4	1
101	Safety and Effectiveness of Cell Therapy in Neurodegenerative Diseases: Take-Home Messages From a Pilot Feasibility Phase I Study of Progressive Supranuclear Palsy. <i>Frontiers in Neuroscience</i> , 2021, 15, 723227.	2.8	1
102	International Forum: 1. <i>Vox Sanguinis</i> , 2005, 89, 172-173.	1.5	0
103	A flow cytometric assay for the quantification of MSC lysis by peripheral blood mononucleated cells. <i>Heliyon</i> , 2021, 7, e06036.	3.2	0