Michela Pozzobon

List of Publications by Year
in descending order

87	3,800	126907	133252
papers	citations	33 h-index	59 g-index

88	88	88	5567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-Inflammatory Effects: Endorsement of Macrophage Polarization. Stem Cells Translational Medicine, 2017, 6, 1018-1028.	3.3	399
2	Amniotic Fluid and Bone Marrow Derived Mesenchymal Stem Cells Can be Converted to Smooth Muscle Cells in the Cryo-Injured Rat Bladder and Prevent Compensatory Hypertrophy of Surviving Smooth Muscle Cells. Journal of Urology, 2007, 177, 369-376.	0.4	193
3	Challenges and Strategies for Improving the Regenerative Effects of Mesenchymal Stromal Cell-Based Therapies. International Journal of Molecular Sciences, 2017, 18, 2087.	4.1	178
4	In vivo tissue engineering of functional skeletal muscle by freshly isolated satellite cells embedded in a photopolymerizable hydrogel. FASEB Journal, 2011, 25, 2296-2304.	0.5	161
5	Amniotic fluid stem cells improve survival and enhance repair of damaged intestine in necrotising enterocolitis via a COX-2 dependent mechanism. Gut, 2014, 63, 300-309.	12.1	155
6	Human amniotic fluid-derived stem cells are rejected after transplantation in the myocardium of normal, ischemic, immuno-suppressed or immuno-deficient rat. Journal of Molecular and Cellular Cardiology, 2007, 42, 746-759.	1.9	144
7	Human Amniotic Fluid Stem Cell Preconditioning Improves Their Regenerative Potential. Stem Cells and Development, 2012, 21, 1911-1923.	2.1	112
8	First Characterization of Human Amniotic Fluid Stem Cell Extracellular Vesicles as a Powerful Paracrine Tool Endowed with Regenerative Potential. Stem Cells Translational Medicine, 2017, 6, 1340-1355.	3.3	104
9	Advances in musculoskeletal tissue engineering. Organogenesis, 2010, 6, 167-172.	1.2	94
10	Phenotype and genotype of interfollicular large B cells, a subpopulation of lymphocytes often with dendritic morphology. Blood, 2003, 102, 2868-2876.	1.4	89
11	Comparative Study of Immune Regulatory Properties of Stem Cells Derived from Different Tissues. Stem Cells and Development, 2013, 22, 2990-3002.	2.1	89
12	In Vitro and In Vivo Cardiomyogenic Differentiation of Amniotic Fluid Stem Cells. Stem Cell Reviews and Reports, 2011, 7, 364-380.	5.6	82
13	The influence of heart valve leaflet matrix characteristics on the interaction between human mesenchymal stem cells and decellularized scaffolds. Biomaterials, 2009, 30, 4104-4116.	11.4	79
14	Neovascularization induced by porous collagen scaffold implanted on intact and cryoinjured rat hearts. Biomaterials, 2007, 28, 5449-5461.	11.4	74
15	The NFATc1 transcription factor is widely expressed in white cells and translocates from the cytoplasm to the nucleus in a subset of human lymphomas. British Journal of Haematology, 2005, 128, 333-342.	2.5	69
16	Rosiglitazone modifies the adipogenic potential of human muscle satellite cells. Diabetologia, 2006, 49, 1962-1973.	6.3	69
17	Perinatal Derivatives: Where Do We Stand? A Roadmap of the Human Placenta and Consensus for Tissue and Cell Nomenclature. Frontiers in Bioengineering and Biotechnology, 2020, 8, 610544.	4.1	68
18	ES, iPS, MSC, and AFS cells. Stem cells exploitation for Pediatric Surgery: current research and perspective. Pediatric Surgery International, 2010, 26, 3-10.	1.4	66

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19	Clonal Characterization of Rat Muscle Satellite Cells: Proliferation, Metabolism and Differentiation Define an Intrinsic Heterogeneity. PLoS ONE, 2010, 5, e8523.	2.5	66
20	PEGylation of the antimicrobial peptide nisin A: problems and perspectives. Il Farmaco, 2003, 58, 45-50.	0.9	63
21	Different Cardiovascular Potential of Adult- and Fetal-Type Mesenchymal Stem Cells in a Rat Model of Heart Cryoinjury. Cell Transplantation, 2008, 17, 679-694.	2.5	63
22	Improvement of diaphragmatic performance through orthotopic application of decellularized extracellular matrix patch. Biomaterials, 2016, 74, 245-255.	11.4	62
23	Amniotic Fluid Stem Cells Restore the Muscle Cell Niche in a HSAâ€Cre , Smn ^{F7/F7} Mouse Model. Stem Cells, 2012, 30, 1675-1684.	3.2	61
24	Expression of intracellular signaling molecules in classical and lymphocyte predominance Hodgkin disease. Blood, 2004, 103, 188-193.	1.4	59
25	Low-affinity Nerve Growth Factor Receptor (CD271) Heterogeneous Expression in Adult and Fetal Mesenchymal Stromal Cells. Scientific Reports, 2018, 8, 9321.	3.3	55
26	Functional Human Podocytes Generated in Organoids from Amniotic Fluid Stem Cells. Journal of the American Society of Nephrology: JASN, 2016, 27, 1400-1411.	6.1	51
27	Human amniotic fluid stem cells protect rat lungs exposed to moderate hyperoxia. Pediatric Pulmonology, 2013, 48, 1070-1080.	2.0	50
28	Stem-cell therapy in an experimental model of pulmonary hypertension and right heart failure: Role of paracrine and neurohormonal milieu in the remodeling process. Journal of Heart and Lung Transplantation, 2011, 30, 1281-1293.	0.6	46
29	Immune Regulatory Properties of CD117^{pos} Amniotic Fluid Stem Cells Vary According to Gestational Age. Stem Cells and Development, 2015, 24, 132-143.	2.1	46
30	High Transduction Efficiency of Human Amniotic Fluid Stem Cells Mediated by Adenovirus Vectors. Stem Cells and Development, 2008, 17, 953-962.	2.1	45
31	Transmembrane adaptor molecules: a new category of lymphoid-cell markers. Blood, 2006, 107, 213-221.	1.4	39
32	Hypoxia Increases Mouse Satellite Cell Clone Proliferation Maintaining both In Vitro and In Vivo Heterogeneity and Myogenic Potential. PLoS ONE, 2012, 7, e49860.	2.5	36
33	Human Bone Marrow-Derived CD133⁺Cells Delivered to a Collagen Patch on Cryoinjured Rat Heart Promote Angiogenesis and Arteriogenesis. Cell Transplantation, 2010, 19, 1247-1260.	2.5	34
34	Mesenchymal Stromal Cells Can Be Derived From Bone Marrow CD133⁺Cells: Implications for Therapy. Stem Cells and Development, 2009, 18, 497-510.	2.1	33
35	Adipogenic potential of skeletal muscle satellite cells. Clinical Lipidology, 2009, 4, 245-265.	0.4	33
36	Endothelial properties of third-trimester amniotic fluid stem cells cultured in hypoxia. Stem Cell Research and Therapy, 2015, 6, 209.	5.5	31

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37	Expression pattern of FCRL (FREB, FcRX) in normal and neoplastic human B cells. British Journal of Haematology, 2004, 127, 335-343.	2.5	30
38	The use of human amniotic fluid stem cells as an adjunct to promote pulmonary development in a rabbit model for congenital diaphragmatic hernia. Prenatal Diagnosis, 2015, 35, 833-840.	2.3	29
39	Intratracheal administration of mesenchymal stem cell-derived extracellular vesicles reduces lung injuries in a chronic rat model of bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L688-L704.	2.9	29
40	Isolation of Mesenchymal Stem Cells From Human Vermiform Appendix. Journal of Surgical Research, 2006, 135, 85-91.	1.6	28
41	Dry acellular oesophageal matrix prepared by supercritical carbon dioxide. Journal of Supercritical Fluids, 2016, 115, 33-41.	3.2	28
42	Mesenchymal stromal cells and their secreted extracellular vesicles as therapeutic tools for COVID-19 pneumonia?. Journal of Controlled Release, 2020, 325, 135-140.	9.9	28
43	Generation of a Functioning and Self-Renewing Diaphragmatic Muscle Construct. Stem Cells Translational Medicine, 2019, 8, 858-869.	3.3	27
44	Anchimeric assistance effect on regioselective hydrolysis of branched PEGs: a mechanistic investigation. Bioorganic and Medicinal Chemistry, 2004, 12, 5031-5037.	3.0	26
45	Leukocyte-specific phosphoprotein-1 and PU.1: two useful markers for distinguishing T-cell-rich B-cell lymphoma from lymphocyte-predominant Hodgkin's disease. Haematologica, 2004, 89, 957-64.	3.5	26
46	Microliter-bioreactor array with buoyancy-driven stirring for human hematopoietic stem cell culture. Biomicrofluidics, 2010, 4, .	2.4	25
47	Stem cells from fetal membranes and amniotic fluid: markers for cell isolation and therapy. Cell and Tissue Banking, 2014, 15, 199-211.	1.1	24
48	Decellularized Diaphragmatic Muscle Drives a Constructive Angiogenic Response In Vivo. International Journal of Molecular Sciences, 2018, 19, 1319.	4.1	24
49	Allogenic tissue-specific decellularized scaffolds promote long-term muscle innervation and functional recovery in a surgical diaphragmatic hernia model. Acta Biomaterialia, 2019, 89, 115-125.	8.3	24
50	Intracellular signalling molecules as immunohistochemical markers of normal and neoplastic human leucocytes in routine biopsy samples. British Journal of Haematology, 2004, 124, 519-533.	2.5	23
51	Expression pattern of intracellular leukocyte-associated proteins in primary mediastinal B cell lymphoma. Leukemia, 2005, 19, 856-861.	7.2	23
52	Extracellular Vesicles Secreted by Mesenchymal Stromal Cells Exert Opposite Effects to Their Cells of Origin in Murine Sodium Dextran Sulfate-Induced Colitis. Frontiers in Immunology, 2021, 12, 627605.	4.8	23
53	Isolation of c-Kit+ Human Amniotic Fluid Stem Cells from Second Trimester. Methods in Molecular Biology, 2013, 1035, 191-198.	0.9	23
54	Extracellular Matrix From Decellularized Whartonâ€™s Jelly Improves the Behavior of Cells From Degenerated Intervertebral Disc. Frontiers in Bioengineering and Biotechnology, 2020, 8, 262.	4.1	22

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55	Carcinoma and Sarcoma Microenvironment at a Glance: Where We Are. Frontiers in Oncology, 2020, 10, 76.	2.8	20
56	An improved procedure for the synthesis of branched polyethylene glycols (PEGs) with the reporter dipeptide met-Î²ala for protein conjugation. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 177-180.	2.2	18
57	The contribution of stem cell therapy to skeletal muscle remodeling in heart failure. International Journal of Cardiology, 2013, 168, 2014-2021.	1.7	18
58	Diverging Concepts and Novel Perspectives in Regenerative Medicine. International Journal of Molecular Sciences, 2017, 18, 1021.	4.1	16
59	Muscle functional recovery is driven by extracellular vesicles combined with muscle extracellular matrix in a volumetric muscle loss murine model. Biomaterials, 2021, 269, 120653.	11.4	15
60	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. Stem Cells, 2019, 37, 1176-1188.	3.2	13
61	Activation of Regulatory T Cells during Inflammatory Response Is Not an Exclusive Property of Stem Cells. PLoS ONE, 2012, 7, e35512.	2.5	13
62	Mouse Skeletal Muscle Decellularization. Methods in Molecular Biology, 2017, 1577, 87-93.	0.9	12
63	First steps to define murine amniotic fluid stem cell microenvironment. Scientific Reports, 2016, 6, 37080.	3.3	11
64	Isolation and Expansion of Muscle Precursor Cells from Human Skeletal Muscle Biopsies. Methods in Molecular Biology, 2016, 1516, 195-204.	0.9	10
65	Stem cells transplantation positively modulates the heart-kidney cross talk in cardiorenal syndrome type II. International Journal of Cardiology, 2019, 275, 136-144.	1.7	9
66	Next Stage Approach to Tissue Engineering Skeletal Muscle. Bioengineering, 2020, 7, 118.	3.5	9
67	Culturing muscle fibres in hanging drop: A novel approach to solve an old problem. Biology of the Cell, 2014, 106, 72-82.	2.0	8
68	Rhabdomyosarcoma Cells Produce Their Own Extracellular Matrix With Minimal Involvement of Cancer-Associated Fibroblasts: A Preliminary Study. Frontiers in Oncology, 2020, 10, 600980.	2.8	8
69	Gene transfer in skeletal muscle by systemic injection of DODAC lipopolyplexes. Neurological Sciences, 2000, 21, S967-S969.	1.9	7
70	Reprogramming of mouse amniotic fluid cells using a PiggyBac transposon system. Stem Cell Research, 2015, 15, 510-513.	0.7	7
71	Singleâ€cell <scp>PCR</scp> analysis of murine embryonic stem cells cultured on different substrates highlights heterogeneous expression of stem cell markers. Biology of the Cell, 2013, 105, 549-560.	2.0	6
72	Fetal Stem Cells and Skeletal Muscle Regeneration: A Therapeutic Approach. Frontiers in Aging Neuroscience, 2014, 6, 222.	3.4	6

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73	Decellularized extracellular matrix-based scaffold and hypoxic priming: A promising combination to improve the phenotype of degenerate intervertebral disc cells. Life Sciences, 2022, 301, 120623.	4.3	6
74	Sources of Mesenchymal Stem Cells: Current and Future Clinical Use. Advances in Biochemical Engineering/Biotechnology, 2012, 130, 267-286.	1.1	5
75	Design of a stirred multiwell bioreactor for expansion of CD34⁺ umbilical cord blood cells in hypoxic conditions. Biotechnology Progress, 2011, 27, 1154-1162.	2.6	4
76	Alveolar Rhabdomyosarcoma Decellularization. Methods in Molecular Biology, 2017, 1577, 317-325.	0.9	4
77	A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. Biomaterials Science, 2021, 10, 124-137.	5.4	3
78	The Production of Pluripotent Stem Cells from Mouse Amniotic Fluid Cells Using a Transposon System. Journal of Visualized Experiments, 2017, , .	0.3	2
79	Heterotopic Implantation of Decellularized Pulmonary Artery Homografts In A Rodent Model: Technique Description and Preliminary Report. Journal of Investigative Surgery, 2018, 31, 282-291.	1.3	2
80	Data on the stem cells paracrine effects on apoptosis and cytokine milieu in an experimental model of cardiorenal syndrome type II. Data in Brief, 2018, 21, 1430-1434.	1.0	2
81	Topical application of lyophilized and powdered human amniotic membrane promotes diabetic ulcer healing. Wound Medicine, 2019, 27, 100171.	2.7	2
82	Engineered EVs for Oxidative Stress Protection. Pharmaceuticals, 2021, 14, 703.	3.8	1
83	Hematopoietic Engraftment of Amniotic Fluid Stem Cells Following in Utero Transplantation. Blood, 2014, 124, 3809-3809.	1.4	1
84	Macromolecular crowding tuned extracellular matrix deposition in a bioprinted human rhabdomyosarcoma model. Bioprinting, 2022, 27, e00213.	5.8	1
85	The Amniotic Fluid Stem Cell Secretome. , 2018, , 21-37.		0
86	Immune Regulatory Properties Are a Common Feature Of Stem Cells. Blood, 2013, 122, 5419-5419.	1.4	0
87	Amniotic Fluid Stem Cells for Cardiac Regeneration. , 2014, , 3-15.		0