

Pierre Charbord

List of Publications by Year in descending order

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papers

7,344
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66315

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102
times ranked

9798
citing authors

#	ARTICLE	IF	CITATIONS
1	The In Vitro Migration Capacity of Human Bone Marrow Mesenchymal Stem Cells: Comparison of Chemokine and Growth Factor Chemotactic Activities. <i>Stem Cells</i> , 2007, 25, 1737-1745.	1.4	848
2	Mesenchymal Stem Cell Features of Ewing Tumors. <i>Cancer Cell</i> , 2007, 11, 421-429.	7.7	457
3	Bone Marrow Mesenchymal Stem Cells: Historical Overview and Concepts. <i>Human Gene Therapy</i> , 2010, 21, 1045-1056.	1.4	350
4	The STRO-1+ Marrow Cell Population Is Multipotential. <i>Cells Tissues Organs</i> , 2002, 170, 73-82.	1.3	301
5	Multipotential Mesenchymal Stem Cells Are Mobilized into Peripheral Blood by Hypoxia. <i>Stem Cells</i> , 2006, 24, 2202-2208.	1.4	291
6	Origin and Differentiation of Human and Murine Stroma. <i>Stem Cells</i> , 2002, 20, 205-214.	1.4	279
7	Human endothelial cells derived from circulating progenitors display specific functional properties compared with mature vessel wall endothelial cells. <i>Blood</i> , 2004, 103, 2577-2584.	0.6	250
8	Specific plasma membrane protein phenotype of culture-amplified and native human bone marrow mesenchymal stem cells. <i>Blood</i> , 2008, 111, 2631-2635.	0.6	238
9	In Vivo MR Imaging of Intravascularly Injected Magnetically Labeled Mesenchymal Stem Cells in Rat Kidney and Liver. <i>Radiology</i> , 2004, 233, 781-789.	3.6	232
10	Homing of in vitro expanded Stro-1- or Stro-1+ human mesenchymal stem cells into the NOD/SCID mouse and their role in supporting human CD34 cell engraftment. <i>Blood</i> , 2004, 103, 3313-3319.	0.6	231
11	The Human Nose Harbors a Niche of Olfactory Ectomesenchymal Stem Cells Displaying Neurogenic and Osteogenic Properties. <i>Stem Cells and Development</i> , 2010, 19, 853-866.	1.1	205
12	A molecular profile of a hematopoietic stem cell niche. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13061-13066.	3.3	197
13	FHL2 mediates dexamethasone-induced mesenchymal cell differentiation into osteoblasts by activating Wnt/ β -catenin signaling-dependent Runx2 expression. <i>FASEB Journal</i> , 2008, 22, 3813-3822.	0.2	154
14	Culture and Characterization of Human Bone Marrow Mesenchymal Stem Cells. <i>Methods in Molecular Medicine</i> , 2007, 140, 67-81.	0.8	150
15	Microenvironmental changes during differentiation of mesenchymal stem cells towards chondrocytes. <i>Arthritis Research and Therapy</i> , 2007, 9, R33.	1.6	149
16	Fetal liver stroma consists of cells in epithelial-to-mesenchymal transition. <i>Blood</i> , 2003, 101, 2973-2982.	0.6	145
17	Functional, molecular and proteomic characterisation of bone marrow mesenchymal stem cells in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2008, 67, 741-749.	0.5	139
18	Partial recovery of dopaminergic pathway after graft of adult mesenchymal stem cells in a rat model of Parkinson's disease. <i>Neurochemistry International</i> , 2008, 52, 1332-1342.	1.9	138

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19	Circulating Thyroglobulin and Thyroid Hormones in Patients with Metastases of Differentiated Thyroid Carcinoma: Relationship to Serum Thyrotropin Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1980, 51, 513-519.	1.8	122
20	Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells Seeded on Melt Based Chitosan Scaffolds for Bone Tissue Engineering Applications. <i>Biomacromolecules</i> , 2009, 10, 2067-2073.	2.6	120
21	Specific Lineage-Priming of Bone Marrow Mesenchymal Stem Cells Provides the Molecular Framework for Their Plasticity. <i>Stem Cells</i> , 2009, 27, 1142-1151.	1.4	110
22	Differential gene expression profiling of human bone marrow-derived mesenchymal stem cells during adipogenic development. <i>BMC Genomics</i> , 2011, 12, 461.	1.2	92
23	HCA, an Immunoglobulin-Like Adhesion Molecule Present on the Earliest Human Hematopoietic Precursor Cells, Is Also Expressed by Stromal Cells in Blood-Forming Tissues. <i>Blood</i> , 1999, 93, 826-837.	0.6	90
24	Comparative proteomic analysis of human mesenchymal and embryonic stem cells: Towards the definition of a mesenchymal stem cell proteomic signature. <i>Proteomics</i> , 2009, 9, 223-232.	1.3	82
25	Influence of hypoxia on the domiciliation of Mesenchymal Stem Cells after infusion into rats: possibilities of targeting pulmonary artery remodeling via cells therapies?. <i>Respiratory Research</i> , 2005, 6, 125.	1.4	80
26	Comparative study of stromal cell lines derived from embryonic, fetal, and postnatal mouse blood-forming tissues. <i>Experimental Hematology</i> , 2002, 30, 1202-1210.	0.2	78
27	The Broad Spectrum of Cytokine Gene Expression by Myoid Cells from the Human Marrow Microenvironment. <i>Stem Cells</i> , 1997, 15, 133-143.	1.4	76
28	Human marrow stromal precursors are α 1 integrin subunit-positive. <i>Journal of Cellular Physiology</i> , 2000, 184, 319-325.	2.0	75
29	The concept of mesenchymal stem cells. <i>Regenerative Medicine</i> , 2006, 1, 497-509.	0.8	74
30	Adhesion, Proliferation, and Osteogenic Differentiation of a Mouse Mesenchymal Stem Cell Line (BMC9) Seeded on Novel Melt-Based Chitosan/Polyester 3D Porous Scaffolds. <i>Tissue Engineering - Part A</i> , 2008, 14, 1049-1057.	1.6	70
31	Isolation of Human Bone Marrow Mesenchymal Stem Cells Using Different Membrane Markers: Comparison of Colony/Cloning Efficiency, Differentiation Potential, and Molecular Profile. <i>Tissue Engineering - Part C: Methods</i> , 2008, 14, 333-339.	1.1	69
32	Human Bone Marrow Mesenchymal Stem Cells: A Systematic Reappraisal Via the Genostem Experience. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 32-42.	5.6	69
33	Novel markers of mesenchymal stem cells defined by genome-wide gene expression analysis of stromal cells from different sources. <i>Experimental Cell Research</i> , 2010, 316, 2609-2617.	1.2	65
34	Impaired differentiation potential of human trabecular bone mesenchymal stromal cells from elderly patients. <i>Cytotherapy</i> , 2009, 11, 584-594.	0.3	63
35	A Systems Biology Approach for Defining the Molecular Framework of the Hematopoietic Stem Cell Niche. <i>Cell Stem Cell</i> , 2014, 15, 376-391.	5.2	63
36	Vascular smooth muscle differentiation of murine stroma. <i>Experimental Hematology</i> , 1999, 27, 1782-1795.	0.2	51

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37	Assessment of the Suitability of Chitosan/PolyButylene Succinate Scaffolds Seeded with Mouse Mesenchymal Progenitor Cells for a Cartilage Tissue Engineering Approach. <i>Tissue Engineering - Part A</i> , 2008, 14, 1651-1661.	1.6	48
38	An In Vitro Model for the Study of Human Bone Marrow Angiogenesis: Role of Hematopoietic Cytokines. <i>Laboratory Investigation</i> , 2000, 80, 501-511.	1.7	47
39	CD40-ligand stimulates myelopoiesis by regulating flt3-ligand and thrombopoietin production in bone marrow stromal cells. <i>Blood</i> , 2000, 95, 3758-3764.	0.6	47
40	Gene Expression Profile of Multipotent Mesenchymal Stromal Cells: Identification of Pathways Common to TGF β 3/BMP2-Induced Chondrogenesis. <i>Cloning and Stem Cells</i> , 2009, 11, 61-76.	2.6	46
41	Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Peri-sinusoidal Hematopoietic Stem Cell Niche. <i>Cell Reports</i> , 2019, 26, 3257-3271.e8.	2.9	46
42	Splenic irradiation in myelofibrosis. Clinical findings and ferrokinetics. <i>International Journal of Radiation Oncology Biology Physics</i> , 1977, 2, 1075-1081.	0.4	45
43	In Vivo Osteoprogenitor Potency of Human Stromal Cells from Different Tissues Does Not Correlate with Expression of POU5F1 or Its Pseudogenes. <i>Stem Cells</i> , 2008, 26, 2419-2424.	1.4	43
44	Stromal-derived factor 1 and matrix metalloproteinase 9 levels in bone marrow and peripheral blood of patients mobilized by granulocyte colony-stimulating factor and chemotherapy. Relationship with mobilizing capacity of haematopoietic progenitor cells. <i>British Journal of Haematology</i> , 2003, 122, 918-926.	1.2	40
45	Molecular profile of mouse stromal mesenchymal stem cells. <i>Physiological Genomics</i> , 2007, 29, 128-138.	1.0	40
46	Notch ligand Dll4 impairs cell recruitment to aortic clusters and limits blood stem cell generation. <i>EMBO Journal</i> , 2020, 39, e104270.	3.5	40
47	Human bone marrow native mesenchymal stem cells. <i>Regenerative Medicine</i> , 2008, 3, 731-741.	0.8	39
48	CD200 expression in human cultured bone marrow mesenchymal stem cells is induced by pro-osteogenic and pro-inflammatory cues. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 655-665.	1.6	37
49	Relationship between Thyrotropin Stimulation and Radioiodine Uptake in Lung Metastases of Differentiated Thyroid Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1983, 57, 148-151.	1.8	36
50	A sub-population of high proliferative potential-quiescent human mesenchymal stem cells is under the reversible control of interferon β . <i>Leukemia</i> , 2007, 21, 714-724.	3.3	35
51	Granulocyte-Colony-Stimulating Factor Stimulation of Bone Marrow Mesenchymal Stromal Cells Promotes CD34+ Cell Migration Via a Matrix Metalloproteinase-2-Dependent Mechanism. <i>Stem Cells and Development</i> , 2012, 21, 3162-3172.	1.1	35
52	Extracellular vesicles of stromal origin target and support hematopoietic stem and progenitor cells. <i>Journal of Cell Biology</i> , 2017, 216, 2217-2230.	2.3	34
53	In vivo generation of haematopoietic stem/progenitor cells from bone marrow-derived haemogenic endothelium. <i>Nature Cell Biology</i> , 2019, 21, 1334-1345.	4.6	34
54	Gene Expression in Stem Cell-Supporting Stromal Cell Lines. <i>Annals of the New York Academy of Sciences</i> , 2005, 1044, 159-167.	1.8	31

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55	Comparison of Gene Expression in Human Embryonic Stem Cells, hESC-Derived Mesenchymal Stem Cells and Human Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2011, 2011, 1-9.	1.2	30
56	Human bone marrow angiogenesis: in vitro modulation by substance P and neurokinin A. <i>British Journal of Haematology</i> , 2002, 119, 1083-1089.	1.2	24
57	A quantitative assay that evaluates the capacity of human stromal cells to support granulomonopoiesis in situ. <i>Stem Cells</i> , 1994, 12, 304-315.	1.4	21
58	Hemopoietic stem cells: Analysis of some parameters critical for engraftment. <i>Stem Cells</i> , 1994, 12, 545-562.	1.4	20
59	Properties and potential of bone marrow mesenchymal stromal cells from children with hematologic diseases. <i>Cytotherapy</i> , 2008, 10, 125-133.	0.3	20
60	Cytokines active on granulomonopoiesis: release and consumption by human marrow myeloid stromal cells. <i>British Journal of Haematology</i> , 1997, 98, 274-282.	1.2	18
61	Cutting Edge Communication: Transplantation of Gene-Modified Human Bone Marrow Stromal Cells into Mouse-Human Bone Chimeras. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2000, 9, 175-181.	1.8	18
62	Distinct osteoblastic differentiation potential of murine fetal liver and bone marrow stroma-derived mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 620-628.	1.2	18
63	In vivo screen identifies a SIK inhibitor that induces $\hat{1}^2$ cell proliferation through a transient UPR. <i>Nature Metabolism</i> , 2021, 3, 682-700.	5.1	18
64	The purification of CD34 + cells from human cord blood: comparison of separation techniques and cytokine requirements for optimal growth of clonogenic progenitors. <i>British Journal of Haematology</i> , 1996, 94, 449-454.	1.2	16
65	The crosstalk between hematopoietic stem cells and their niches. <i>Current Opinion in Hematology</i> , 2018, 25, 285-289.	1.2	15
66	Analysis of the Microenvironment Necessary for Engraftment: Role of the Vascular Smooth Muscle-like Stromal Cells. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2000, 9, 935-943.	1.8	14
67	Bistable Epigenetic States Explain Age-Dependent Decline in Mesenchymal Stem Cell Heterogeneity. <i>Stem Cells</i> , 2017, 35, 694-704.	1.4	14
68	Retroviral-Mediated Marker Gene Transfer in Hematopoiesis-Supportive Marrow Stromal Cells. <i>Stem Cells and Development</i> , 1998, 7, 225-239.	1.0	13
69	Adhesion, Proliferation, and Osteogenic Differentiation of a Mouse Mesenchymal Stem Cell Line (BMC9) Seeded on Novel Melt-Based Chitosan/Polyester 3D Porous Scaffolds. <i>Tissue Engineering - Part A</i> , 2008, 14, 080423075413219.	1.6	13
70	Comparative study of ^{111}In and ^{59}Fe bone marrow scanning. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1977, 2, 89-92.	2.2	11
71	Human cytomegalovirus infection of bone marrow myofibroblasts enhances myeloid progenitor adhesion and elicits viral transmission. <i>Microbes and Infection</i> , 2001, 3, 1005-1013.	1.0	11
72	Hepatocytic Differentiation Potential of Human Fetal Liver Mesenchymal Stem Cells: In Vitro and In Vivo Evaluation. <i>Stem Cells International</i> , 2016, 2016, 1-12.	1.2	11

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73	Inferring Gene Networks in Bone Marrow Hematopoietic Stem Cell-Supporting Stromal Niche Populations. <i>IScience</i> , 2020, 23, 101222.	1.9	11
74	INCREASED VASCULARITY OF BONE MARROW IN MYELOFIBROSIS. <i>British Journal of Haematology</i> , 1986, 62, 595-596.	1.2	10
75	Phenotypic and Functional Characterization of Human Marrow Vascular Stromal Cells. <i>Hematology</i> , 1999, 4, 257-283.	0.7	8
76	HCA, an Immunoglobulin-Like Adhesion Molecule Present on the Earliest Human Hematopoietic Precursor Cells, Is Also Expressed by Stromal Cells in Blood-Forming Tissues. <i>Blood</i> , 1999, 93, 826-837.	0.6	7
77	Detection of hepatoma in liver cirrhosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1977, 2, 183-188.	2.2	5
78	Early progenitor cells from human mobilized peripheral blood express low levels of the flt3 receptor, but exhibit various biological responses to flt3-L. <i>British Journal of Haematology</i> , 1999, 106, 357-367.	1.2	5
79	CD40-ligand stimulates myelopoiesis by regulating flt3-ligand and thrombopoietin production in bone marrow stromal cells. <i>Blood</i> , 2000, 95, 3758-3764.	0.6	5
80	Granulomonocytic colony forming cells in myelofibrosis: Concentrations within hepatic blood and peripheral blood. <i>Leukemia Research</i> , 1985, 9, 1267-1270.	0.4	4
81	Gene transfer into human haematopoietic stem cells. <i>Transfusion Science</i> , 1997, 18, 291-311.	0.6	4
82	Adhesion of CD34+Marrow Precursors to Human Stroma Is Related to β -SM Actin Expression by Human Marrow Myofibroblasts. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2001, 10, 291-302.	1.8	4
83	Normal human serum-stimulating activity on granulocyte-macrophage colony formation in vitro. <i>International Journal of Cell Cloning</i> , 1986, 4, 63-68.	1.6	3
84	Stem cells for grafting. <i>Transfusion Science</i> , 1992, 13, 375-385.	0.6	3
85	Haematopoietic stem cell emergence and development in the human embryo and fetus; perspectives for blood cell therapies in utero. <i>Seminars in Fetal and Neonatal Medicine</i> , 1999, 4, 55-66.	2.8	3
86	Density of granulomonocytic colony-forming cells (GM-CFC's) in myelofibrosis. <i>Scandinavian Journal of Haematology</i> , 1985, 35, 394-398.	0.0	3
87	Adhesion of Hematopoietic Precursors to Human Stroma: Studies Using Normal Marrow Stromal Myofibroblasts and a Stromal Cell Line Transformed by SV40. <i>Hematology</i> , 1998, 3, 401-417.	0.7	2
88	Stem cell transfusion from long-term marrow culture. <i>Transfusion Science</i> , 1992, 13, 407-413.	0.6	1
89	Stromal Support of Hematopoiesis. , 0, , 143-154.		1
90	The In Vitro Migration Capacity of Human Bone Marrow-Derived Mesenchymal Stem Cells in Response to Chemokines and Mesenchymal Growth Factors.. <i>Blood</i> , 2005, 106, 2315-2315.	0.6	1

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91	The EHA Research Roadmap: Normal Hematopoiesis. HemaSphere, 2021, 5, e669.	1.2	1
92	1 Mesenchymal stem cells in the context of stem cell biology. , 2013, , 1-16.		1
93	Simian virus 40-transformed adherent cells from human long-term marrow cultures: cloned cell lines produce cells with stromal and hematopoietic characteristics. Blood, 1987, 70, 464-474.	0.6	1
94	The EHA Research Roadmap: Hematopoietic Stem Cells and Allotransplantation. HemaSphere, 2022, 6, e0714.	1.2	1
95	Characterization of the Hematopoietic Stem Cell Niche: Cellular and Molecular Analysis. , 2013, , 211-221.		0
96	G-CSF-Stimulation of Human Marrow Stromal Cells Induces In Vitro Migration of Hematopoietic Progenitor Cells Involving MMP-2 and MMP-9 but Not MMP-1.. Blood, 2004, 104, 1295-1295.	0.6	0
97	Molecular Signatures of Hematopoietic Stem Cell Niche During Development. , 2020, , 21-25.		0