Pierre Charbord

List of Publications by Year
in descending order

97 papers	7,344 citations	66315 42 h-index	54882 84 g-index
102 all docs	102 docs citations	102 times ranked	9798 citing authors

#	Article	IF	Citations
1	The EHA Research Roadmap: Hematopoietic Stem Cells and Allotransplantation. HemaSphere, 2022, 6, e0714.	1.2	1
2	In vivo screen identifies a SIK inhibitor that induces Î² cell proliferation through a transient UPR. Nature Metabolism, 2021, 3, 682-700.	5.1	18
3	The EHA Research Roadmap: Normal Hematopoiesis. HemaSphere, 2021, 5, e669.	1.2	1
4	Notch ligand Dll4 impairs cell recruitment to aortic clusters and limits blood stem cell generation. EMBO Journal, 2020, 39, e104270.	3.5	40
5	Inferring Gene Networks in Bone Marrow Hematopoietic Stem Cell-Supporting Stromal Niche Populations. IScience, 2020, 23, 101222.	1.9	11
6	Molecular Signatures of Hematopoietic Stem Cell Niche During Development. , 2020, , 21-25.		0
7	In vivo generation of haematopoietic stem/progenitor cells from bone marrow-derived haemogenic endothelium. Nature Cell Biology, 2019, 21, 1334-1345.	4.6	34
8	Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Peri-sinusoidal Hematopoietic Stem Cell Niche. Cell Reports, 2019, 26, 3257-3271.e8.	2.9	46
9	The crosstalk between hematopoietic stem cells and their niches. Current Opinion in Hematology, 2018, 25, 285-289.	1.2	15
10	Extracellular vesicles of stromal origin target and support hematopoietic stem and progenitor cells. Journal of Cell Biology, 2017, 216, 2217-2230.	2.3	34
11	Bistable Epigenetic States Explain Age-Dependent Decline in Mesenchymal Stem Cell Heterogeneity. Stem Cells, 2017, 35, 694-704.	1.4	14
12	Hepatocytic Differentiation Potential of Human Fetal Liver Mesenchymal Stem Cells:In VitroandIn VivoEvaluation. Stem Cells International, 2016, 2016, 1-12.	1.2	11
13	CD200 expression in human cultured bone marrow mesenchymal stem cells is induced by proâ€osteogenic and proâ€inflammatory cues. Journal of Cellular and Molecular Medicine, 2016, 20, 655-665.	1.6	37
14	A Systems Biology Approach for Defining the Molecular Framework of the Hematopoietic Stem Cell Niche. Cell Stem Cell, 2014, 15, 376-391.	5.2	63
15	Characterization of the Hematopoietic Stem Cell Niche: Cellular and Molecular Analysis. , 2013, , 211-221.		0
16	1 Mesenchymal stem cells in the context of stem cell biology. , 2013, , 1-16.		1
17	Granulocyte-Colony-Stimulating Factor Stimulation of Bone Marrow Mesenchymal Stromal Cells Promotes CD34+ Cell Migration Via a Matrix Metalloproteinase-2-Dependent Mechanism. Stem Cells and Development, 2012, 21, 3162-3172.	1.1	35
18	Comparison of Gene Expression in Human Embryonic Stem Cells, hESC-Derived Mesenchymal Stem Cells and Human Mesenchymal Stem Cells. Stem Cells International, 2011, 2011, 1-9.	1.2	30

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19	Human Bone Marrow Mesenchymal Stem Cells: A Systematic Reappraisal Via the Genostem Experience. Stem Cell Reviews and Reports, 2011, 7, 32-42.	5.6	69
20	Differential gene expression profiling of human bone marrow-derived mesenchymal stem cells during adipogenic development. BMC Genomics, 2011, 12, 461.	1.2	92
21	Bone Marrow Mesenchymal Stem Cells: Historical Overview and Concepts. Human Gene Therapy, 2010, 21, 1045-1056.	1.4	350
22	Novel markers of mesenchymal stem cells defined by genome-wide gene expression analysis of stromal cells from different sources. Experimental Cell Research, 2010, 316, 2609-2617.	1.2	65
23	The Human Nose Harbors a Niche of Olfactory Ectomesenchymal Stem Cells Displaying Neurogenic and Osteogenic Properties. Stem Cells and Development, 2010, 19, 853-866.	1.1	205
24	Specific Lineage-Priming of Bone Marrow Mesenchymal Stem Cells Provides the Molecular Framework for Their Plasticity. Stem Cells, 2009, 27, 1142-1151.	1.4	110
25	Comparative proteomic analysis of human mesenchymal and embryonic stem cells: Towards the definition of a mesenchymal stem cell proteomic signature. Proteomics, 2009, 9, 223-232.	1.3	82
26	Gene Expression Profile of Multipotent Mesenchymal Stromal Cells: Identification of Pathways Common to TGFÎ²3/BMP2-Induced Chondrogenesis. Cloning and Stem Cells, 2009, 11, 61-76.	2.6	46
27	Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells Seeded on Melt Based Chitosan Scaffolds for Bone Tissue Engineering Applications. Biomacromolecules, 2009, 10, 2067-2073.	2.6	120
28	Impaired differentiation potential of human trabecular bone mesenchymal stromal cells from elderly patients. Cytotherapy, 2009, 11, 584-594.	0.3	63
29	Distinct osteoblastic differentiation potential of murine fetal liver and bone marrow stromaâ€derived mesenchymal stem cells. Journal of Cellular Biochemistry, 2008, 104, 620-628.	1.2	18
30	In Vivo Osteoprogenitor Potency of Human Stromal Cells from Different Tissues Does Not Correlate with Expression of POU5F1 or Its Pseudogenes. Stem Cells, 2008, 26, 2419-2424.	1.4	43
31	Specific plasma membrane protein phenotype of culture-amplified and native human bone marrow mesenchymal stem cells. Blood, 2008, 111, 2631-2635.	0.6	238
32	Properties and potential of bone marrow mesenchymal stromal cells from children with hematologic diseases. Cytotherapy, 2008, 10, 125-133.	0.3	20
33	Partial recovery of dopaminergic pathway after graft of adult mesenchymal stem cells in a rat model of Parkinson's disease. Neurochemistry International, 2008, 52, 1332-1342.	1.9	138
34	Human bone marrow native mesenchymal stem cells. Regenerative Medicine, 2008, 3, 731-741.	0.8	39
35	Assessment of the Suitability of Chitosan/PolyButylene Succinate Scaffolds Seeded with Mouse Mesenchymal Progenitor Cells for a Cartilage Tissue Engineering Approach. Tissue Engineering - Part A, 2008, 14, 1651-1661.	1.6	48
36	Functional, molecular and proteomic characterisation of bone marrow mesenchymal stem cells in rheumatoid arthritis. Annals of the Rheumatic Diseases, 2008, 67, 741-749.	0.5	139

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37	Isolation of Human Bone Marrow Mesenchymal Stem Cells Using Different Membrane Markers: Comparison of Colony/Cloning Efficiency, Differentiation Potential, and Molecular Profile. Tissue Engineering - Part C: Methods, 2008, 14, 333-339.	1.1	69
38	FHL2 mediates dexamethasoneâ€induced mesenchymal cell differentiation into osteoblasts by activating Wnt/Î²â€catenin signalingâ€dependent Runx2 expression. FASEB Journal, 2008, 22, 3813-3822.	0.2	154
39	Adhesion, Proliferation, and Osteogenic Differentiation of a Mouse Mesenchymal Stem Cell Line (BMC9) Seeded on Novel Melt-Based Chitosan/Polyester 3D Porous Scaffolds. Tissue Engineering - Part A, 2008, 14, 1049-1057.	1.6	70
40	Adhesion, Proliferation, and Osteogenic Differentiation of a Mouse Mesenchymal Stem Cell Line (BMC9) Seeded on Novel Melt-Based Chitosan/Polyester 3D Porous Scaffolds. Tissue Engineering - Part A, 2008, 14, 080423075413219.	1.6	13
41	Molecular profile of mouse stromal mesenchymal stem cells. Physiological Genomics, 2007, 29, 128-138.	1.0	40
42	Microenvironmental changes during differentiation of mesenchymal stem cells towards chondrocytes. Arthritis Research and Therapy, 2007, 9, R33.	1.6	149
43	The In Vitro Migration Capacity of Human Bone Marrow Mesenchymal Stem Cells: Comparison of Chemokine and Growth Factor Chemotactic Activities. Stem Cells, 2007, 25, 1737-1745.	1.4	848
44	Culture and Characterization of Human Bone Marrow Mesenchymal Stem Cells. Methods in Molecular Medicine, 2007, 140, 67-81.	0.8	150
45	A sub-population of high proliferative potential-quiescent human mesenchymal stem cells is under the reversible control of interferon Î±/Î². Leukemia, 2007, 21, 714-724.	3.3	35
46	Mesenchymal Stem Cell Features of Ewing Tumors. Cancer Cell, 2007, 11, 421-429.	7.7	457
47	The concept of mesenchymal stem cells. Regenerative Medicine, 2006, 1, 497-509.	0.8	74
48	Multipotential Mesenchymal Stem Cells Are Mobilized into Peripheral Blood by Hypoxia. Stem Cells, 2006, 24, 2202-2208.	1.4	291
49	Gene Expression in Stem Cell-Supporting Stromal Cell Lines. Annals of the New York Academy of Sciences, 2005, 1044, 159-167.	1.8	31
50	Influence of hypoxia on the domiciliation of Mesenchymal Stem Cells after infusion into rats: possibilities of targeting pulmonary artery remodeling via cells therapies?. Respiratory Research, 2005, 6, 125.	1.4	80
51	The In Vitro Migration Capacity of Human Bone Marrow-Derived Mesenchymal Stem Cells in Response to Chemokines and Mesenchymal Growth Factors.. Blood, 2005, 106, 2315-2315.	0.6	1
52	In Vivo MR Imaging of Intravascularly Injected Magnetically Labeled Mesenchymal Stem Cells in Rat Kidney and Liver. Radiology, 2004, 233, 781-789.	3.6	232
53	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. Blood, 2004, 103, 3313-3319.	0.6	231
54	Human endothelial cells derived from circulating progenitors display specific functional properties compared with mature vessel wall endothelial cells. Blood, 2004, 103, 2577-2584.	0.6	250

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55	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
56	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. British Journal of Haematology, 2003, 122, 918-926.	1.2	40
57	Fetal liver stroma consists of cells in epithelial-to-mesenchymal transition. Blood, 2003, 101, 2973-2982.	0.6	145
58	The STRO-1+ Marrow Cell Population Is Multipotential. Cells Tissues Organs, 2002, 170, 73-82.	1.3	301
59	Comparative study of stromal cell lines derived from embryonic, fetal, and postnatal mouse blood-forming tissues. Experimental Hematology, 2002, 30, 1202-1210.	0.2	78
60	Human bone marrow angiogenesis: in vitro modulation by substance P and neurokinin A. British Journal of Haematology, 2002, 119, 1083-1089.	1.2	24
61	Origin and Differentiation of Human and Murine Stroma. Stem Cells, 2002, 20, 205-214.	1.4	279
62	A molecular profile of a hematopoietic stem cell niche. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13061-13066.	3.3	197
63	Human cytomegalovirus infection of bone marrow myofibroblasts enhances myeloid progenitor adhesion and elicits viral transmission. Microbes and Infection, 2001, 3, 1005-1013.	1.0	11
64	Adhesion of CD34+Marrow Precursors to Human Stroma Is Related to Î±SM Actin Expression by Human Marrow Myofibroblasts. Journal of Hematotherapy and Stem Cell Research, 2001, 10, 291-302.	1.8	4
65	Human marrow stromal precursors are ?1 integrin subunit-positive. Journal of Cellular Physiology, 2000, 184, 319-325.	2.0	75
66	An In Vitro Model for the Study of Human Bone Marrow Angiogenesis: Role of Hematopoietic Cytokines. Laboratory Investigation, 2000, 80, 501-511.	1.7	47
67	CD40-ligand stimulates myelopoiesis by regulating flt3-ligand and thrombopoietin production in bone marrow stromal cells. Blood, 2000, 95, 3758-3764.	0.6	47
68	Cutting Edge Communication: Transplantation of Gene-Modified Human Bone Marrow Stromal Cells into Mouse-Human Bone Chimeras. Journal of Hematotherapy and Stem Cell Research, 2000, 9, 175-181.	1.8	18
69	Analysis of the Microenvironment Necessary for Engraftment: Role of the Vascular Smooth Muscle-like Stromal Cells. Journal of Hematotherapy and Stem Cell Research, 2000, 9, 935-943.	1.8	14
70	CD40-ligand stimulates myelopoiesis by regulating flt3-ligand and thrombopoietin production in bone marrow stromal cells. Blood, 2000, 95, 3758-3764.	0.6	5
71	HCA, an Immunoglobulin-Like Adhesion Molecule Present on the Earliest Human Hematopoietic Precursor Cells, Is Also Expressed by Stromal Cells in Blood-Forming Tissues. Blood, 1999, 93, 826-837.	0.6	90
72	Early progenitor cells from human mobilized peripheral blood express low levels of the flt3 receptor, but exhibit various biological responses to flt3-L. British Journal of Haematology, 1999, 106, 357-367.	1.2	5

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73	Vascular smooth muscle differentiation of murine stroma. Experimental Hematology, 1999, 27, 1782-1795.	0.2	51
74	Haematopoietic stem cell emergence and development in the human embryo and fetus; perspectives for blood cell therapies in utero. Seminars in Fetal and Neonatal Medicine, 1999, 4, 55-66.	2.8	3
75	Phenotypic and Functional Characterization of Human Marrow Vascular Stromal Cells. Hematology, 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. Blood, 1999, 93, 826-837.	0.6	7
77	Retroviral-Mediated Marker Gene Transfer in Hematopoiesis-Supportive Marrow Stromal Cells. Stem Cells and Development, 1998, 7, 225-239.	1.0	13
78	Adhesion of Hematopoietic Precursors to Human Stroma: Studies Using Normal Marrow Stromal Myofibroblasts and a Stromal Cell Line Transformed by SV40. Hematology, 1998, 3, 401-417.	0.7	2
79	Gene transfer into human haematopoietic stem cells. Transfusion Science, 1997, 18, 291-311.	0.6	4
80	The Broad Spectrum of Cytokine Gene Expression by Myoid Cells from the Human Marrow Microenvironment. Stem Cells, 1997, 15, 133-143.	1.4	76
81	Cytokines active on granulomonopoiesis: release and consumption by human marrow myeloid stromal cells. British Journal of Haematology, 1997, 98, 274-282.	1.2	18
82	The purification of CD34 + cells from human cord blood: comparison of separation techniques and cytokine requirements for optimal growth of clonogenic progenitors. British Journal of Haematology, 1996, 94, 449-454.	1.2	16
83	A quantitative assay that evaluates the capacity of human stromal cells to support granulomonopoiesis in situ. Stem Cells, 1994, 12, 304-315.	1.4	21
84	Hemopoietic stem cells: Analysis of some parameters critical for engraftment. Stem Cells, 1994, 12, 545-562.	1.4	20
85	Stem cells for grafting. Transfusion Science, 1992, 13, 375-385.	0.6	3
86	Stem cell transfusion from long-term marrow culture. Transfusion Science, 1992, 13, 407-413.	0.6	1
87	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
88	Normal human serum-stimulating activity on granulocyte-macrophage colony formation in vitro. International Journal of Cell Cloning, 1986, 4, 63-68.	1.6	3
89	INCREASED VASCULARITY OF BONE MARROW IN MYELOFIBROSIS. British Journal of Haematology, 1986, 62, 595-596.	1.2	10
90	Granulomonocytic colony forming cells in myelofibrosis: Concentrations within hepatic blood and peripheral blood. Leukemia Research, 1985, 9, 1267-1270.	0.4	4

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91	Density of granulomonocytic colonyâ€forming cells (GMâ€CFC's) in myelofibrosis. Scandinavian Journal of Haematology, 1985, 35, 394-398.	0.0	3
92	Relationship between Thyrotropin Stimulation and Radioiodine Uptake in Lung Metastases of Differentiated Thyroid Carcinoma. Journal of Clinical Endocrinology and Metabolism, 1983, 57, 148-151.	1.8	36
93	Circulating Thyroglobulin and Thyroid Hormones in Patients with Metastases of Differentiated Thyroid Carcinoma: Relationship to Serum Thyrotropin Levels. Journal of Clinical Endocrinology and Metabolism, 1980, 51, 513-519.	1.8	122
94	Splenic irradiation in myelofibrosis. Clinical findings and ferrokinetics. International Journal of Radiation Oncology Biology Physics, 1977, 2, 1075-1081.	0.4	45
95	Comparative study of 111In and 59Fe bone marrow scanning. European Journal of Nuclear Medicine and Molecular Imaging, 1977, 2, 89-92.	2.2	11
96	Detection of hepatoma in liver cirrhosis. European Journal of Nuclear Medicine and Molecular Imaging, 1977, 2, 183-188.	2.2	5
97	Stromal Support of Hematopoiesis. , 0, , 143-154.		1