

Rainer Saffrich

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2656669/rainer-saffrich-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

4,362
citations

30
h-index

66
g-index

80
ext. papers

4,683
ext. citations

4.7
avg, IF

4.59
L-index

#	Paper	IF	Citations
78	Replicative senescence of mesenchymal stem cells: a continuous and organized process. <i>PLoS ONE</i> , 2008 , 3, e2213	3.7	795
77	VEGF expression by mesenchymal stem cells contributes to angiogenesis in pancreatic carcinoma. <i>British Journal of Cancer</i> , 2008 , 99, 622-31	8.7	300
76	Structure and dynamics of human interphase chromosome territories in vivo. <i>Human Genetics</i> , 1998 , 102, 241-51	6.3	283
75	Endosome dynamics regulated by a Rho protein. <i>Nature</i> , 1996 , 384, 427-32	50.4	201
74	Exp5 exports eEF1A via tRNA from nuclei and synergizes with other transport pathways to confine translation to the cytoplasm. <i>EMBO Journal</i> , 2002 , 21, 6205-15	13	193
73	The heterogeneity of human mesenchymal stem cell preparations--evidence from simultaneous analysis of proteomes and transcriptomes. <i>Experimental Hematology</i> , 2006 , 34, 536-48	3.1	157
72	Trimodal cancer treatment: beneficial effects of combined antiangiogenesis, radiation, and chemotherapy. <i>Cancer Research</i> , 2005 , 65, 3643-55	10.1	150
71	Cdk2-dependent phosphorylation of p27 facilitates its Myc-induced release from cyclin E/cdk2 complexes. <i>Oncogene</i> , 1997 , 15, 2561-76	9.2	149
70	Cytoplasmic flows localize injected oskar RNA in Drosophila oocytes. <i>Current Biology</i> , 1997 , 7, 326-37	6.3	145
69	Molecular evidence for stem cell function of the slow-dividing fraction among human hematopoietic progenitor cells by genome-wide analysis. <i>Blood</i> , 2004 , 104, 675-86	2.2	120
68	Co-culture with mesenchymal stromal cells increases proliferation and maintenance of haematopoietic progenitor cells. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 337-50	5.6	119
67	Adhesion of hematopoietic progenitor cells to human mesenchymal stem cells as a model for cell-cell interaction. <i>Experimental Hematology</i> , 2007 , 35, 314-25	3.1	108
66	AURELIA, a program for computer-aided analysis of multidimensional NMR spectra. <i>Journal of Biomolecular NMR</i> , 1995 , 6, 255-70	3	96
65	Standardization of Good Manufacturing Practice-compliant production of bone marrow-derived human mesenchymal stromal cells for immunotherapeutic applications. <i>Cytotherapy</i> , 2015 , 17, 128-39	4.8	91
64	The DEXD/H-box RNA helicase RHIII/Gu is a co-factor for c-Jun-activated transcription. <i>EMBO Journal</i> , 2002 , 21, 451-60	13	87
63	Complex functions of AP-1 transcription factors in differentiation and survival of PC12 cells. <i>Molecular and Cellular Biology</i> , 2001 , 21, 4369-78	4.8	83
62	Hematopoietic progenitor cells and cellular microenvironment: behavioral and molecular changes upon interaction. <i>Stem Cells</i> , 2005 , 23, 1180-91	5.8	75

61	Human mesenchymal stromal cells regulate initial self-renewing divisions of hematopoietic progenitor cells by a beta1-integrin-dependent mechanism. <i>Stem Cells</i> , 2007 , 25, 798-806	5.8	70
60	Cellular expression and proteolytic processing of presenilin proteins is developmentally regulated during neuronal differentiation. <i>Journal of Neurochemistry</i> , 1997 , 69, 2432-40	6	68
59	Nuclear export of the nonenveloped parvovirus virion is directed by an unordered protein signal exposed on the capsid surface. <i>Journal of Virology</i> , 2004 , 78, 10685-94	6.6	63
58	Radio-resistant mesenchymal stem cells: mechanisms of resistance and potential implications for the clinic. <i>Oncotarget</i> , 2015 , 6, 19366-80	3.3	60
57	Mesenchymal stem cells retain their defining stem cell characteristics after exposure to ionizing radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 87, 1171-8	4	59
56	N-cadherin is expressed on human hematopoietic progenitor cells and mediates interaction with human mesenchymal stromal cells. <i>Stem Cell Research</i> , 2010 , 4, 129-39	1.6	58
55	MEGAP impedes cell migration via regulating actin and microtubule dynamics and focal complex formation. <i>Experimental Cell Research</i> , 2006 , 312, 2379-93	4.2	47
54	Cep63 recruits Cdk1 to the centrosome: implications for regulation of mitotic entry, centrosome amplification, and genome maintenance. <i>Cancer Research</i> , 2011 , 71, 2129-39	10.1	44
53	Adhesion of human hematopoietic progenitor cells to mesenchymal stromal cells involves CD44. <i>Cells Tissues Organs</i> , 2008 , 188, 160-9	2.1	44
52	Targeting of the 22 kDa integral peroxisomal membrane protein. <i>FEBS Letters</i> , 2000 , 471, 23-8	3.8	38
51	Mesenchymal stem cells are resistant to carbon ion radiotherapy. <i>Oncotarget</i> , 2015 , 6, 2076-87	3.3	36
50	Heterogeneity of leukemia stem cell candidates at diagnosis of acute myeloid leukemia and their clinical significance. <i>Experimental Hematology</i> , 2012 , 40, 155-65.e1	3.1	32
49	Microinjection of antibodies to centromere protein CENP-A arrests cells in interphase but does not prevent mitosis. <i>Chromosoma</i> , 1998 , 107, 397-405	2.8	30
48	The Stromal Activity of Mesenchymal Stromal Cells. <i>Transfusion Medicine and Hemotherapy</i> , 2008 , 35, 185-193	4.2	30
47	The many facets of SDF-1alpha, CXCR4 agonists and antagonists on hematopoietic progenitor cells. <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 26065		30
46	Dual function of rhoD in vesicular movement and cell motility. <i>European Journal of Cell Biology</i> , 2001 , 80, 391-8	6.1	28
45	RhoA regulates peroxisome association to microtubules and the actin cytoskeleton. <i>PLoS ONE</i> , 2010 , 5, e13886	3.7	28
44	Mesenchymal stem cells maintain their defining stem cell characteristics after treatment with cisplatin. <i>Scientific Reports</i> , 2016 , 6, 20035	4.9	27

43	Characterization of hematopoietic stem cell subsets from patients with multiple myeloma after mobilization with plerixafor. <i>Cytotherapy</i> , 2011 , 13, 459-66	4.8	27
42	Mesenchymal stem cells are sensitive to bleomycin treatment. <i>Scientific Reports</i> , 2016 , 6, 26645	4.9	27
41	DNA binding of USF is required for specific E-box dependent gene activation in vivo. <i>Oncogene</i> , 1999 , 18, 7200-11	9.2	24
40	Quantifying adhesion mechanisms and dynamics of human hematopoietic stem and progenitor cells. <i>Scientific Reports</i> , 2015 , 5, 9370	4.9	24
39	Evaluation of GMP-compliant culture media for in vitro expansion of human bone marrow mesenchymal stromal cells. <i>Experimental Hematology</i> , 2016 , 44, 508-18	3.1	23
38	Human mesenchymal stem cells lose their functional properties after paclitaxel treatment. <i>Scientific Reports</i> , 2018 , 8, 312	4.9	21
37	Microcavity arrays as an in vitro model system of the bone marrow niche for hematopoietic stem cells. <i>Cell and Tissue Research</i> , 2016 , 364, 573-584	4.2	21
36	The current understanding of mesenchymal stem cells as potential attenuators of chemotherapy-induced toxicity. <i>International Journal of Cancer</i> , 2018 , 143, 2628-2639	7.5	21
35	Effect of Increased Lactate Dehydrogenase A Activity and Aerobic Glycolysis on the Proinflammatory Profile of Autoimmune CD8+ T Cells in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2020 , 72, 2050-2064	9.5	19
34	The Radiation Resistance of Human Multipotent Mesenchymal Stromal Cells Is Independent of Their Tissue of Origin. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 1259-1269	4	19
33	Endocytosis of NBD-sphingolipids in neurons: exclusion from degradative compartments and transport to the Golgi complex. <i>Traffic</i> , 2001 , 2, 395-405	5.7	18
32	Modeling SDF-1-induced mobilization in leukemia cell lines. <i>Experimental Hematology</i> , 2012 , 40, 666-74	3.1	17
31	KATP channels in mesenchymal stromal stem cells: strong up-regulation of Kir6.2 subunits upon osteogenic differentiation. <i>Tissue and Cell</i> , 2011 , 43, 331-6	2.7	17
30	Microinjected glutathione reductase crystals as indicators of the redox status in living cells. <i>FEBS Letters</i> , 1999 , 447, 135-8	3.8	17
29	Mesenchymal stem cells exhibit resistance to topoisomerase inhibition. <i>Cancer Letters</i> , 2016 , 374, 75-84	9.9	16
28	Functional potentials of human hematopoietic progenitor cells are maintained by mesenchymal stromal cells and not impaired by plerixafor. <i>Cytotherapy</i> , 2014 , 16, 111-21	4.8	16
27	Mesenchymal stem cells preserve their stem cell traits after exposure to antimetabolite chemotherapy. <i>Stem Cell Research</i> , 2019 , 40, 101536	1.6	11
26	Plerixafor induces the rapid and transient release of stromal cell-derived factor-1 alpha from human mesenchymal stromal cells and influences the migration behavior of human hematopoietic progenitor cells. <i>Cell and Tissue Research</i> , 2014 , 355, 315-26	4.2	11

25	Mesenchymal stem cells are sensitive to treatment with kinase inhibitors and ionizing radiation. <i>Strahlentherapie Und Onkologie</i> , 2014 , 190, 1037-45	4.3	11
24	¹ H-nuclear magnetic resonance studies of the neuropeptide head activator. <i>BBA - Proteins and Proteomics</i> , 1989 , 997, 144-53		10
23	Cisplatin radiosensitizes radioresistant human mesenchymal stem cells. <i>Oncotarget</i> , 2017 , 8, 87809-87820	3.3	10
22	Novel activating mutation of human calcium-sensing receptor in a family with autosomal dominant hypocalcaemia. <i>Molecular and Cellular Endocrinology</i> , 2015 , 407, 18-25	4.4	8
21	Primitive and committed human hematopoietic progenitor cells interact with primary murine neural cells and are induced to undergo self-renewing cell divisions. <i>Experimental Hematology</i> , 2007 , 35, 1858-71	3.1	8
20	Human mesenchymal stem cells are resistant to UV-B irradiation. <i>Scientific Reports</i> , 2019 , 9, 20000	4.9	6
19	Multipotent mesenchymal stromal cells are sensitive to thermic stress - potential implications for therapeutic hyperthermia. <i>International Journal of Hyperthermia</i> , 2020 , 37, 430-441	3.7	4
18	Dynamic cellular phenotyping defines specific mobilization mechanisms of human hematopoietic stem and progenitor cells induced by SDF1 α versus synthetic agents. <i>Scientific Reports</i> , 2018 , 8, 1841	4.9	4
17	Computer-Automated Capillary Microinjection of Macromolecules into Living Cells 1994 , 22-29		2
16	Electroporation of Cells 1994 , 37-43		2
15	Cluster analysis and multiplet pattern recognition in two-dimensional NMR spectra. <i>Journal of Magnetic Resonance</i> , 1990 , 89, 543-552		1
14	Human Hematopoietic Stem Cells and Leukemic Cells Form Cadherin-Catenin Based Junctional Complexes with Mesenchymal Stromal Cells. <i>Blood</i> , 2008 , 112, 1367-1367	2.2	1
13	Cellular Interaction Between Human Mesenchymal Stem Cells and Hematopoietic Stem Cells in 2D- and 3D-Culture-Systems.. <i>Blood</i> , 2009 , 114, 1442-1442	2.2	1
12	Automated Computer-Assisted Microinjection into cultured somatic cells 1998 , 31-46		0
11	Interaction of Stem Cells and Their Niche: Behavior and Gene Expression Profiles of CD34+/CD38 \square Cells upon Co-Cultivation with AFT024.. <i>Blood</i> , 2004 , 104, 1281-1281	2.2	
10	Genomic and Proteomic Signatures of Human Mesenchymal Stem Cells.. <i>Blood</i> , 2005 , 106, 2300-2300	2.2	
9	Characterization of Intercellular Junctional Complexes between Human Hematopoietic and Mesenchymal Stem Cells.. <i>Blood</i> , 2006 , 108, 1396-1396	2.2	
8	N-Cadherin and Cadherin-11 Play Vital Roles in the Cell-Cell Contact between Hematopoietic Progenitor Cells and Mesenchymal Stromal Cells.. <i>Blood</i> , 2007 , 110, 1406-1406	2.2	

- 7 Human Hematopoietic and Mesenchymal Stem Cells Are Interconnected by Cadherin-Catenin Based Junctions.. *Blood*, **2007**, 110, 1410-1410 2.2
- 6 Pattern Recognition in Two-Dimensional NMR Spectra of Proteins **1991**, 175-190
- 5 Molecular Determinants and Functional Characteristics of Leukemic Stem Cells and Their Interaction with the Niche.. *Blood*, **2009**, 114, 1427-1427 2.2
- 4 Frequency of Leukemia Stem Cell Candidates Predicts Refractoriness to Conventional Chemotherapy and Adverse Clinical Outcome. *Blood*, **2010**, 116, 2160-2160 2.2
- 3 Novel 3D-Model for the Hematopoietic Stem Cell Niche Using MSC in a KITChip Based Bioreactor. *Blood*, **2011**, 118, 1331-1331 2.2
- 2 Plerixafor Abrogates the Supportive Function of MSC for Self-Renewal of Human Hematopoietic Stem Cells,. *Blood*, **2011**, 118, 3408-3408 2.2
- 1 Understanding The Marrow Niche: Advanced 3D Model System Allows Functional Analysis Of The Interaction With Human Hematopoietic Progenitor Cells. *Blood*, **2013**, 122, 2462-2462 2.2