

# Takashi Nagasawa

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2914679/takashi-nagasawa-publications-by-year.pdf>

**Version:** 2024-04-28

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.

112  
papers

17,259  
citations

58  
h-index

122  
g-index

122  
ext. papers

19,235  
ext. citations

14  
avg, IF

6.46  
L-index

#	Paper	IF	Citations
112	MDS cells impair osteolineage differentiation of MSCs via extracellular vesicles to suppress normal hematopoiesis.. <i>Cell Reports</i> , <b>2022</b> , 39, 110805	10.6	0
111	Runx1 and Runx2 inhibit fibrotic conversion of cellular niches for hematopoietic stem cells.. <i>Nature Communications</i> , <b>2022</b> , 13, 2654	17.4	0
110	Cellular Niches for Hematopoietic Stem Cells and Lympho-Hematopoiesis in Bone Marrow During Homeostasis and Blood Cancers. <i>Current Topics in Microbiology and Immunology</i> , <b>2021</b> , 434, 33-54	3.3	
109	Identification of microenvironmental niches for hematopoietic stem cells and lymphoid progenitors-bone marrow fibroblastic reticular cells with salient features. <i>International Immunology</i> , <b>2021</b> , 33, 821-826	4.9	2
108	A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis. <i>Cell Reports</i> , <b>2021</b> , 37, 109875	10.6	2
107	Chronic viral infections persistently alter marrow stroma and impair hematopoietic stem cell fitness. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	2
106	Group 2 innate lymphoid cells support hematopoietic recovery under stress conditions. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	9
105	Identification of CXCL12-abundant reticular cells in human adult bone marrow. <i>British Journal of Haematology</i> , <b>2021</b> , 193, 659-668	4.5	11
104	Prolonged high-intensity exercise induces fluctuating immune responses to herpes simplex virus infection via glucocorticoids. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 148, 1575-1588.e7	11.5	2
103	Upregulation of VCAM-1 in lymphatic collectors supports dendritic cell entry and rapid migration to lymph nodes in inflammation. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	14
102	Alterations in the spatiotemporal expression of the chemokine receptor CXCR4 in endothelial cells cause failure of hierarchical vascular branching. <i>Developmental Biology</i> , <b>2021</b> , 477, 70-84	3.1	1
101	Remodeling of light and dark zone follicular dendritic cells governs germinal center responses. <i>Nature Immunology</i> , <b>2020</b> , 21, 649-659	19.1	42
100	Dysregulated Expression of the Nuclear Exosome Targeting Complex Component Rbm7 in Nonhematopoietic Cells Licenses the Development of Fibrosis. <i>Immunity</i> , <b>2020</b> , 52, 542-556.e13	32.3	15
99	CXCR4 in Tumor Epithelial Cells Mediates Desmoplastic Reaction in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , <b>2020</b> , 80, 4058-4070	10.1	7
98	A Wnt-mediated transformation of the bone marrow stromal cell identity orchestrates skeletal regeneration. <i>Nature Communications</i> , <b>2020</b> , 11, 332	17.4	80
97	Transient microglial absence assists postmigratory cortical neurons in proper differentiation. <i>Nature Communications</i> , <b>2020</b> , 11, 1631	17.4	15
96	Impaired Osteoblastic Differentiation of MSCs Suppresses Normal Hematopoiesis in MDS. <i>Blood</i> , <b>2020</b> , 136, 17-18	2.2	

95	Pathologic angiogenesis in the bone marrow of humanized sickle cell mice is reversed by blood transfusion. <i>Blood</i> , <b>2020</b> , 135, 2071-2084	2.2	25
94	Mesenchymal stromal cells in bone marrow express adiponectin and are efficiently targeted by an adiponectin promoter-driven Cre transgene. <i>International Immunology</i> , <b>2019</b> , 31, 729-742	4.9	18
93	Mesenchymal Niche-Specific Expression of Cxcl12 Controls Quiescence of Treatment-Resistant Leukemia Stem Cells. <i>Cell Stem Cell</i> , <b>2019</b> , 24, 769-784.e6	18	77
92	Competition for Mitogens Regulates Spermatogenic Stem Cell Homeostasis in an Open Niche. <i>Cell Stem Cell</i> , <b>2019</b> , 24, 79-92.e6	18	66
91	Niches for hematopoietic stem cells and immune cell progenitors. <i>International Immunology</i> , <b>2019</b> , 31, 5-11	4.9	21
90	Glucocorticoids Drive Diurnal Oscillations in T Cell Distribution and Responses by Inducing Interleukin-7 Receptor and CXCR4. <i>Immunity</i> , <b>2018</b> , 48, 286-298.e6	32.3	81
89	Peripheral PDGFR $\alpha$ <sup>hi</sup> p38 mesenchymal cells support the differentiation of fetal liver-derived ILC2. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1609-1626	16.6	67
88	Stem cell niche-specific Ebf3 maintains the bone marrow cavity. <i>Genes and Development</i> , <b>2018</b> , 32, 359-372.6	16.6	66
87	Inhibition of stromal cell-derived factor-1/CXCR4 signaling restores the blood-retina barrier in pericyte-deficient mouse retinas. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	3
86	Role of CXCL12-Expressing Mesenchymal Stromal Cell Niches in Maintaining Treatment-Resistant Leukemia Stem Cells. <i>Blood</i> , <b>2018</b> , 132, 1291-1291	2.2	0
85	Neutrophils instruct homeostatic and pathological states in naive tissues. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 2778-2795	16.6	116
84	A Distinct Subset of Fibroblastic Stromal Cells Constitutes the Cortex-Medulla Boundary Subcompartment of the Lymph Node. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2196	8.4	18
83	Resting zone of the growth plate houses a unique class of skeletal stem cells. <i>Nature</i> , <b>2018</b> , 563, 254-258.0.4	10.4	156
82	Quantitative spatial analysis of haematopoiesis-regulating stromal cells in the bone marrow microenvironment by 3D microscopy. <i>Nature Communications</i> , <b>2018</b> , 9, 2532	17.4	64
81	Numerous niches for hematopoietic stem cells remain empty during homeostasis. <i>Blood</i> , <b>2017</b> , 129, 2124-2131.49	4.9	149
80	Dll4 and Notch signalling couples sprouting angiogenesis and artery formation. <i>Nature Cell Biology</i> , <b>2017</b> , 19, 915-927	23.4	171
79	Hematopoietic Stem Cell Niches Produce Lineage-Instructive Signals to Control Multipotent Progenitor Differentiation. <i>Immunity</i> , <b>2016</b> , 45, 1219-1231	32.3	141
78	CXCR7 Receptor Controls the Maintenance of Subpial Positioning of Cajal-Retzius Cells. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 3446-57	5.1	12

77	Chemokine Signaling Controls Integrity of Radial Glial Scaffold in Developing Spinal Cord and Consequential Proper Position of Boundary Cap Cells. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 9211-24	6.6	13
76	CXCR4/CXCL12 signaling impacts enamel progenitor cell proliferation and motility in the dental stem cell niche. <i>Cell and Tissue Research</i> , <b>2015</b> , 362, 633-42	4.2	4
75	Phenotypic and Morphological Properties of Germinal Center Dark Zone Cxcl12-Expressing Reticular Cells. <i>Journal of Immunology</i> , <b>2015</b> , 195, 4781-91	5.3	76
74	CXCL12 catches T-ALL at the entrance of the bone marrow. <i>Trends in Immunology</i> , <b>2015</b> , 36, 504-6	14.4	1
73	Granulocyte colony-stimulating factor reprograms bone marrow stromal cells to actively suppress B lymphopoiesis in mice. <i>Blood</i> , <b>2015</b> , 125, 3114-7	2.2	39
72	The critical and specific transcriptional regulator of the microenvironmental niche for hematopoietic stem and progenitor cells. <i>Current Opinion in Hematology</i> , <b>2015</b> , 22, 330-6	3.3	13
71	CXCL12/SDF-1 and CXCR4. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 301	8.4	67
70	Myeloid cells stimulate their progenitors in an emergency. <i>Immunity</i> , <b>2015</b> , 42, 13-4	32.3	
69	Distinct Contributions By Perivascular Niche Cells in Hematopoietic Stem Cell Maintenance. <i>Blood</i> , <b>2015</b> , 126, 661-661	2.2	
68	Lhx6 directly regulates Arx and CXCR7 to determine cortical interneuron fate and laminar position. <i>Neuron</i> , <b>2014</b> , 82, 350-64	13.9	88
67	CXC chemokine ligand 12 (CXCL12) and its receptor CXCR4. <i>Journal of Molecular Medicine</i> , <b>2014</b> , 92, 433-9	5	117
66	Foxc1 is a critical regulator of haematopoietic stem/progenitor cell niche formation. <i>Nature</i> , <b>2014</b> , 508, 536-40	50.4	156
65	Vasculature-associated cells expressing nestin in developing bones encompass early cells in the osteoblast and endothelial lineage. <i>Developmental Cell</i> , <b>2014</b> , 29, 330-9	10.2	113
64	A subset of chondrogenic cells provides early mesenchymal progenitors in growing bones. <i>Nature Cell Biology</i> , <b>2014</b> , 16, 1157-67	23.4	265
63	Germinal Center Centroblasts Transition to a Centrocyte Phenotype According to a Timed Program and Depend on the Dark Zone for Effective Selection. <i>Immunity</i> , <b>2013</b> , 39, 1182	32.3	2
62	Germinal center centroblasts transition to a centrocyte phenotype according to a timed program and depend on the dark zone for effective selection. <i>Immunity</i> , <b>2013</b> , 39, 912-24	32.3	171
61	Peripheral nerve-derived CXCL12 and VEGF-A regulate the patterning of arterial vessel branching in developing limb skin. <i>Developmental Cell</i> , <b>2013</b> , 24, 359-71	10.2	97
60	CXCL12 in early mesenchymal progenitors is required for haematopoietic stem-cell maintenance. <i>Nature</i> , <b>2013</b> , 495, 227-30	50.4	895

59	Rhythmic modulation of the hematopoietic niche through neutrophil clearance. <i>Cell</i> , <b>2013</b> , 153, 1025-35	56.2	409
58	A novel role for factor VIII and thrombin/PAR1 in regulating hematopoiesis and its interplay with the bone structure. <i>Blood</i> , <b>2013</b> , 122, 2562-71	2.2	32
57	Peyer's patch inducer cells play a leading role in the formation of B and T cell zone architecture. <i>Journal of Immunology</i> , <b>2013</b> , 190, 3309-18	5.3	7
56	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. <i>Journal of Experimental Medicine</i> , <b>2013</b> , 210, 2321-36	16.6	148
55	Establishment of a novel mouse model of ulcerative colitis with concomitant cytomegalovirus infection: in vivo identification of cytomegalovirus persistent infected cells. <i>Inflammatory Bowel Diseases</i> , <b>2013</b> , 19, 1951-63	4.5	15
54	Spi-B is critical for plasmacytoid dendritic cell function and development. <i>Blood</i> , <b>2012</b> , 120, 4733-43	2.2	54
53	Extracellular matrix protein tenascin-C is required in the bone marrow microenvironment primed for hematopoietic regeneration. <i>Blood</i> , <b>2012</b> , 119, 5429-37	2.2	103
52	Increased susceptibility to severe chronic liver damage in CXCR4 conditional knock-out mice. <i>Digestive Diseases and Sciences</i> , <b>2012</b> , 57, 2892-900	4	16
51	Reconstitution of mouse spermatogonial stem cell niches in culture. <i>Cell Stem Cell</i> , <b>2012</b> , 11, 567-78	18	88
50	Stromal cell-derived factor 1 regulates the actin organization of chondrocytes and chondrocyte hypertrophy. <i>PLoS ONE</i> , <b>2012</b> , 7, e37163	3.7	22
49	Bone marrow niches for hematopoietic stem cells and immune cells. <i>Inflammation and Allergy: Drug Targets</i> , <b>2012</b> , 11, 201-6		70
48	The endothelial antigen ESAM monitors hematopoietic stem cell status between quiescence and self-renewal. <i>Journal of Immunology</i> , <b>2012</b> , 189, 200-10	5.3	23
47	Trans-mesenteric neural crest cells are the principal source of the colonic enteric nervous system. <i>Nature Neuroscience</i> , <b>2012</b> , 15, 1211-8	25.5	115
46	Constitutive plasmacytoid dendritic cell migration to the splenic white pulp is cooperatively regulated by CCR7- and CXCR4-mediated signaling. <i>Journal of Immunology</i> , <b>2012</b> , 189, 191-9	5.3	47
45	C-X-C receptor type 4 promotes metastasis by activating p38 mitogen-activated protein kinase in myeloid differentiation antigen (Gr-1)-positive cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 302-7	11.5	73
44	Control of hematopoietic stem cells by the bone marrow stromal niche: the role of reticular cells. <i>Trends in Immunology</i> , <b>2011</b> , 32, 315-20	14.4	110
43	CXCL12-CXCR4 chemokine signaling is essential for NK-cell development in adult mice. <i>Blood</i> , <b>2011</b> , 117, 451-8	2.2	84
42	Emergency evacuation! Hematopoietic niches induce cell exit in infection. <i>Immunity</i> , <b>2011</b> , 34, 463-5	32.3	2

41	Isolation and function of mouse tissue resident vascular precursors marked by myelin protein zero. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 949-60	16.6	29
40	Aire-dependent production of XCL1 mediates medullary accumulation of thymic dendritic cells and contributes to regulatory T cell development. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 383-94	16.6	218
39	CXCR4 is required for proper regional and laminar distribution of cortical somatostatin-, calretinin-, and neuropeptide Y-expressing GABAergic interneurons. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 2810-7	5.1	26
38	DOCK180 is a Rac activator that regulates cardiovascular development by acting downstream of CXCR4. <i>Circulation Research</i> , <b>2010</b> , 107, 1102-5	15.7	41
37	Thymic development beyond beta-selection requires phosphatidylinositol 3-kinase activation by CXCR4. <i>Journal of Experimental Medicine</i> , <b>2010</b> , 207, 247-61	16.6	119
36	Bone marrow graft-versus-host disease: early destruction of hematopoietic niche after MHC-mismatched hematopoietic stem cell transplantation. <i>Blood</i> , <b>2010</b> , 115, 5401-11	2.2	129
35	The essential functions of adipo-osteogenic progenitors as the hematopoietic stem and progenitor cell niche. <i>Immunity</i> , <b>2010</b> , 33, 387-99	32.3	588
34	The CXCL12 (SDF-1)/CXCR4 axis is essential for the development of renal vasculature. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2009</b> , 20, 1714-23	12.7	127
33	Random walk behavior of migrating cortical interneurons in the marginal zone: time-lapse analysis in flat-mount cortex. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 1300-11	6.6	85
32	SDF1/CXCR4 signalling regulates two distinct processes of precerebellar neuronal migration and its depletion leads to abnormal pontine nuclei formation. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 1919-28	6.6	56
31	Bone marrow CXCR4 induction by cultivation enhances therapeutic angiogenesis. <i>Cardiovascular Research</i> , <b>2009</b> , 81, 169-77	9.9	25
30	Stromal cell-derived factor 1/CXCR4 signaling is critical for the recruitment of mesenchymal stem cells to the fracture site during skeletal repair in a mouse model. <i>Arthritis and Rheumatism</i> , <b>2009</b> , 60, 813-23		443
29	Mechanism of primitive duct formation in the pancreas and submandibular glands: a role for SDF-1. <i>BMC Developmental Biology</i> , <b>2009</b> , 9, 66	3.1	48
28	Blockade of CXCL12/CXCR4 axis ameliorates murine experimental colitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2008</b> , 327, 383-92	4.7	66
27	Development of plasmacytoid dendritic cells in bone marrow stromal cell niches requires CXCL12-CXCR4 chemokine signaling. <i>Blood</i> , <b>2007</b> , 110, 4153-60	2.2	54
26	The chemokine CXCL12 and regulation of HSC and B lymphocyte development in the bone marrow niche. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 602, 69-75	3.6	49
25	Adrenomedullin/cyclic AMP pathway induces Notch activation and differentiation of arterial endothelial cells from vascular progenitors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1977-84	9.4	105
24	Maintenance of the hematopoietic stem cell pool by CXCL12-CXCR4 chemokine signaling in bone marrow stromal cell niches. <i>Immunity</i> , <b>2006</b> , 25, 977-88	32.3	1707

23	Reduced retention of radioprotective hematopoietic cells within the bone marrow microenvironment in CXCR4 <sup>-/-</sup> chimeric mice. <i>Blood</i> , <b>2006</b> , 107, 2243-51	2.2	95
22	Microenvironmental niches in the bone marrow required for B-cell development. <i>Nature Reviews Immunology</i> , <b>2006</b> , 6, 107-16	36.5	347
21	A Cxcl12-CXCR4 chemokine signaling pathway defines the initial trajectory of mammalian motor axons. <i>Neuron</i> , <b>2005</b> , 47, 667-79	13.9	139
20	The role of CXCL12 in the organ-specific process of artery formation. <i>Blood</i> , <b>2005</b> , 105, 3155-61	2.2	83
19	Cellular niches controlling B lymphocyte behavior within bone marrow during development. <i>Immunity</i> , <b>2004</b> , 20, 707-18	32.3	606
18	CXCR4 regulates interneuron migration in the developing neocortex. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 5123-30	6.6	379
17	Long-term hematopoietic stem cells require stromal cell-derived factor-1 for colonizing bone marrow during ontogeny. <i>Immunity</i> , <b>2003</b> , 19, 257-67	32.3	264
16	A role of CXC chemokine ligand 12/stromal cell-derived factor-1/pre-B cell growth stimulating factor and its receptor CXCR4 in fetal and adult T cell development in vivo. <i>Journal of Immunology</i> , <b>2003</b> , 170, 4649-55	5.3	140
15	Impaired colonization of the gonads by primordial germ cells in mice lacking a chemokine, stromal cell-derived factor-1 (SDF-1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5319-23	11.5	257
14	The unique target specificity of a nonpeptide chemokine receptor antagonist: selective blockade of two Th1 chemokine receptors CCR5 and CXCR3. <i>Journal of Leukocyte Biology</i> , <b>2003</b> , 73, 273-80	6.5	90
13	Role of the chemokine SDF-1 as the meningeal attractant for embryonic cerebellar neurons. <i>Nature Neuroscience</i> , <b>2002</b> , 5, 719-20	25.5	202
12	Paranodal junction formation and spermatogenesis require sulfoglycolipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 4227-32	11.5	266
11	Role of chemokine SDF-1/PBSF and its receptor CXCR4 in blood vessel development. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 947, 112-5; discussion 115-6	6.5	17
10	The earliest stages of B cell development require a chemokine stromal cell-derived factor/pre-B cell growth-stimulating factor. <i>Immunity</i> , <b>2001</b> , 15, 323-34	32.3	164
9	A CXC chemokine SDF-1/PBSF: a ligand for a HIV coreceptor, CXCR4. <i>Advances in Immunology</i> , <b>1999</b> , 71, 211-28	5.6	37
8	The chemokine receptor CXCR4 is essential for vascularization of the gastrointestinal tract. <i>Nature</i> , <b>1998</b> , 393, 591-4	50.4	1316
7	Large quantity production with extreme convenience of human SDF-1alpha and SDF-1beta by a Sendai virus vector. <i>FEBS Letters</i> , <b>1998</b> , 425, 105-11	3.8	15
6	A novel CXC chemokine PBSF/SDF-1 and its receptor CXCR4: their functions in development, hematopoiesis and HIV infection. <i>Seminars in Immunology</i> , <b>1998</b> , 10, 179-85	10.7	199

5	Impaired B-lymphopoiesis, myelopoiesis, and derailed cerebellar neuron migration in CXCR4- and SDF-1-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 9448-53	11.5	1418
4	A small molecule CXCR4 inhibitor that blocks T cell line-tropic HIV-1 infection. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 186, 1389-93	16.6	344
3	CXCR4/fusin is not a species-specific barrier in murine cells for HIV-1 entry. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 1865-70	16.6	30
2	Defects of B-cell lymphopoiesis and bone-marrow myelopoiesis in mice lacking the CXC chemokine PBSF/SDF-1. <i>Nature</i> , <b>1996</b> , 382, 635-8	50.4	2033
1	CD8 T cells induce destruction of bone marrow stromal niches and hematopoietic stem cell dysfunction in chronic viral infections		1