Toshio Suda

List of Publications by Year
in descending order

403 papers	34,915 citations	2963 93 h-index	4101 175 g-index
409 all docs	409 docs citations	409 times ranked	36096 citing authors

#	Article	IF	Citations
1	Tie2/Angiopoietin-1 Signaling Regulates Hematopoietic Stem Cell Quiescence in the Bone Marrow Niche. Cell, 2004, 118, 149-161.	13.5	1,753
2	Reactive oxygen species act through p38 MAPK to limit the lifespan of hematopoietic stem cells. Nature Medicine, 2006, 12, 446-451.	15.2	1,196
3	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. Nature, 2004, 431, 997-1002.	13.7	1,084
4	Metabolic requirements for the maintenance of self-renewing stem cells. Nature Reviews Molecular Cell Biology, 2014, 15, 243-256.	16.1	848
5	DC-STAMP is essential for cellâ€“cell fusion in osteoclasts and foreign body giant cells. Journal of Experimental Medicine, 2005, 202, 345-351.	4.2	780
6	Foxo3a Is Essential for Maintenance of the Hematopoietic Stem Cell Pool. Cell Stem Cell, 2007, 1, 101-112.	5.2	780
7	Regulation of the HIF-1Î± Level Is Essential for Hematopoietic Stem Cells. Cell Stem Cell, 2010, 7, 391-402.	5.2	778
8	Prospective identification, isolation, and systemic transplantation of multipotent mesenchymal stem cells in murine bone marrow. Journal of Experimental Medicine, 2009, 206, 2483-2496.	4.2	715
9	Thrombopoietin/MPL Signaling Regulates Hematopoietic Stem Cell Quiescence and Interaction with the Osteoblastic Niche. Cell Stem Cell, 2007, 1, 685-697.	5.2	686
10	Bidirectional ephrinB2-EphB4 signaling controls bone homeostasis. Cell Metabolism, 2006, 4, 111-121.	7.2	681
11	Metabolic Regulation of Hematopoietic Stem Cells in the Hypoxic Niche. Cell Stem Cell, 2011, 9, 298-310.	5.2	670
12	Regulation of Glycolysis by Pdk Functions as a Metabolic Checkpoint for Cell Cycle Quiescence in Hematopoietic Stem Cells. Cell Stem Cell, 2013, 12, 49-61.	5.2	659
13	Commitment and Differentiation of Osteoclast Precursor Cells by the Sequential Expression of C-Fms and Receptor Activator of Nuclear Factor Îºb (Rank) Receptors. Journal of Experimental Medicine, 1999, 190, 1741-1754.	4.2	637
14	A PMLâ€“PPAR-Î´ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance. Nature Medicine, 2012, 18, 1350-1358.	15.2	612
15	Purified interleukin 5 supports the terminal differentiation and proliferation of murine eosinophilic precursors.. Journal of Experimental Medicine, 1988, 167, 43-56.	4.2	522
16	A Role for Hematopoietic Stem Cells in Promoting Angiogenesis. Cell, 2000, 102, 199-209.	13.5	503
17	v-ATPase V0 subunit d2â€“deficient mice exhibit impaired osteoclast fusion and increased bone formation. Nature Medicine, 2006, 12, 1403-1409.	15.2	502
18	Interferon regulatory factor-2 protects quiescent hematopoietic stem cells from type I interferonâ€“dependent exhaustion. Nature Medicine, 2009, 15, 696-700.	15.2	366

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19	Chk2 Is a Tumor Suppressor That Regulates Apoptosis in both an Ataxia Telangiectasia Mutated (ATM)-Dependent and an ATM-Independent Manner. Molecular and Cellular Biology, 2002, 22, 6521-6532.	1.1	354
20	M-CSF inhibition selectively targets pathological angiogenesis and lymphangiogenesis. Journal of Experimental Medicine, 2009, 206, 1089-1102.	4.2	349
21	Ontogeny and Multipotency of Neural Crest-Derived Stem Cells in Mouse Bone Marrow, Dorsal Root Ganglia, and Whisker Pad. Cell Stem Cell, 2008, 2, 392-403.	5.2	347
22	Non-canonical inhibition of DNA damage-dependent ubiquitination by OTUB1. Nature, 2010, 466, 941-946.	13.7	316
23	The first round of mouse spermatogenesis is a distinctive program that lacks the self-renewing spermatogonia stage. Development (Cambridge), 2006, 133, 1495-1505.	1.2	313
24	Angiopoietin-like Protein 2 Promotes Chronic Adipose Tissue Inflammation and Obesity-Related Systemic Insulin Resistance. Cell Metabolism, 2009, 10, 178-188.	7.2	302
25	Critical Role of the TIE2 Endothelial Cell Receptor in the Development of Definitive Hematopoiesis. Immunity, 1998, 9, 677-686.	6.6	291
26	Noncanonical Wnt Signaling Maintains Hematopoietic Stem Cells in the Niche. Cell, 2012, 150, 351-365.	13.5	257
27	Bifurcation of osteoclasts and dendritic cells from common progenitors. Blood, 2001, 98, 2544-2554.	0.6	256
28	The PTEN/PI3K pathway governs normal vascular development and tumor angiogenesis. Genes and Development, 2005, 19, 2054-2065.	2.7	255
29	Angiogenic Role of LYVE-1â€“Positive Macrophages in Adipose Tissue. Circulation Research, 2007, 100, e47-57.	2.0	253
30	Self-renewal of a purified Tie2 ⁺ hematopoietic stem cell population relies on mitochondrial clearance. Science, 2016, 354, 1156-1160.	6.0	251
31	p57Kip2 and p27Kip1 Cooperate to Maintain Hematopoietic Stem Cell Quiescence through Interactions with Hsc70. Cell Stem Cell, 2011, 9, 247-261.	5.2	247
32	Neurogenin3 delineates the earliest stages of spermatogenesis in the mouse testis. Developmental Biology, 2004, 269, 447-458.	0.9	244
33	Regulation of reactive oxygen species in stem cells and cancer stem cells. Journal of Cellular Physiology, 2012, 227, 421-430.	2.0	241
34	Neurons Limit Angiogenesis by Titrating VEGF in Retina. Cell, 2014, 159, 584-596.	13.5	232
35	Mouse Fbw7/Sel-10/Cdc4 Is Required for Notch Degradation during Vascular Development. Journal of Biological Chemistry, 2004, 279, 9417-9423.	1.6	225
36	Identification and characterization of stem cells in prepubertal spermatogenesis in miceâ˜†â˜†Supplementary data associated with this article can be found at doi:10.1016/S0012-1606(03)00111-8.. Developmental Biology, 2003, 258, 209-225.	0.9	224

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37	Maintenance of Quiescent Hematopoietic Stem Cells in the Osteoblastic Niche. Annals of the New York Academy of Sciences, 2007, 1106, 41-53.	1.8	224
38	Angiopoietin-1 promotes lymphatic sprouting and hyperplasia. Blood, 2005, 105, 4642-4648.	0.6	218
39	Angiopoietin-1 promotes LYVE-1-positive lymphatic vessel formation. Blood, 2005, 105, 4649-4656.	0.6	214
40	Disparate differentiation in mouse hemopoietic colonies derived from paired progenitors.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 2520-2524.	3.3	208
41	Single-cell origin of mouse hemopoietic colonies expressing multiple lineages in variable combinations.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 6689-6693.	3.3	204
42	Mesenchymal Stem Cells in Perichondrium Express Activated Leukocyte Cell Adhesion Molecule and Participate in Bone Marrow Formation. Journal of Experimental Medicine, 2002, 195, 1549-1563.	4.2	198
43	Isolation and characterization of endosteal niche cell populations that regulate hematopoietic stem cells. Blood, 2010, 116, 1422-1432.	0.6	195
44	Permissive role of interleukin 3 (IL-3) in proliferation and differentiation of multipotential hemopoietic progenitors in culture. Journal of Cellular Physiology, 1985, 124, 182-190.	2.0	194
45	Angiopoietin-related growth factor antagonizes obesity and insulin resistance. Nature Medicine, 2005, 11, 400-408.	15.2	194
46	Oncogenic transcription factor Evi1 regulates hematopoietic stem cell proliferation through GATA-2 expression. EMBO Journal, 2005, 24, 1976-1987.	3.5	192
47	Mfsd2b is essential for the sphingosine-1-phosphate export in erythrocytes and platelets. Nature, 2017, 550, 524-528.	13.7	189
48	The Blimp1â€“Bcl6 axis is critical to regulate osteoclast differentiation and bone homeostasis. Journal of Experimental Medicine, 2010, 207, 751-762.	4.2	184
49	Hematopoietic stem cells and their niche. Trends in Immunology, 2005, 26, 426-433.	2.9	180
50	Mice Homozygous for a Truncated Form of CREB-Binding Protein Exhibit Defects in Hematopoiesis and Vasculo-angiogenesis. Blood, 1999, 93, 2771-2779.	0.6	173
51	Reactive oxygen species induce chondrocyte hypertrophy in endochondral ossification. Journal of Experimental Medicine, 2007, 204, 1613-1623.	4.2	170
52	The analysis, roles and regulation of quiescence in hematopoietic stem cells. Development (Cambridge), 2014, 141, 4656-4666.	1.2	169
53	Fbxw7 acts as a critical fail-safe against premature loss of hematopoietic stem cells and development of T-ALL. Genes and Development, 2008, 22, 986-991.	2.7	168
54	Mechanism of hypercalcemia in adult T-cell leukemia: overexpression of receptor activator of nuclear factor ÎºB ligand on adult T-cell leukemia cells. Blood, 2002, 99, 634-640.	0.6	162

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55	Stepwise progression of B lineage differentiation supported by interleukin 7 and other stromal cell molecules.. Journal of Experimental Medicine, 1990, 171, 1683-1695.	4.2	160
56	Activated Protein C Induces Endothelial Cell Proliferation by Mitogen-Activated Protein Kinase Activation In Vitro and Angiogenesis In Vivo. Circulation Research, 2004, 95, 34-41.	2.0	151
57	Bidirectional Signaling through EphrinA2-EphA2 Enhances Osteoclastogenesis and Suppresses Osteoblastogenesis. Journal of Biological Chemistry, 2009, 284, 14637-14644.	1.6	151
58	Inhibition of angiogenesis and vascular leakiness by angiopoietin-related protein 4. Cancer Research, 2003, 63, 6651-7.	0.4	144
59	VEGF-C signaling pathways through VEGFR-2 and VEGFR-3 in vasculoangiogenesis and hematopoiesis. Blood, 2000, 96, 3793-3800.	0.6	141
60	ALCAM (CD166): its role in hematopoietic and endothelial development. Blood, 2001, 98, 2134-2142.	0.6	137
61	Osteoclasts are dispensable for hematopoietic stem cell maintenance and mobilization. Journal of Experimental Medicine, 2011, 208, 2175-2181.	4.2	134
62	Pathological neoangiogenesis depends on oxidative stress regulation by ATM. Nature Medicine, 2012, 18, 1208-1216.	15.2	133
63	Prox1 Induces Lymphatic Endothelial Differentiation via Integrin Î±9 and Other Signaling Cascades. Molecular Biology of the Cell, 2007, 18, 1421-1429.	0.9	131
64	CD24 is expressed specifically in the nucleus pulposus of intervertebral discs. Biochemical and Biophysical Research Communications, 2005, 338, 1890-1896.	1.0	130
65	Bone marrow long label-retaining cells reside in the sinusoidal hypoxic niche. Biochemical and Biophysical Research Communications, 2008, 366, 335-339.	1.0	130
66	Differentiation and function of osteoclasts. Keio Journal of Medicine, 2003, 52, 1-7.	0.5	127
67	Megakaryocytes are essential for HSC quiescence through the production of thrombopoietin. Biochemical and Biophysical Research Communications, 2014, 454, 353-357.	1.0	127
68	Jam1aâ€“Jam2a interactions regulate haematopoietic stem cell fate through Notch signalling. Nature, 2014, 512, 319-323.	13.7	126
69	Cancer stem cells and their niche. Cancer Science, 2009, 100, 1166-1172.	1.7	125
70	Angiopoietin-Related/Angiopoietin-Like Proteins Regulate Angiogenesis. International Journal of Hematology, 2004, 80, 21-28.	0.7	124
71	Role of Endothelial Cellâ€“Derived Angptl2 in Vascular Inflammation Leading to Endothelial Dysfunction and Atherosclerosis Progression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 790-800.	1.1	124
72	Hematopoietic Stem Cell Metabolism during Development and Aging. Developmental Cell, 2020, 54, 239-255.	3.1	124

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73	Extracellular matrix protein tenascin-C is required in the bone marrow microenvironment primed for hematopoietic regeneration. Blood, 2012, 119, 5429-5437.	0.6	122
74	VEGFR1 Tyrosine Kinase Signaling Promotes Lymphangiogenesis as Well as Angiogenesis Indirectly via Macrophage Recruitment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 658-664.	1.1	120
75	Haploinsufficiency of SAMD9L, an Endosome Fusion Facilitator, Causes Myeloid Malignancies in Mice Mimicking Human Diseases with Monosomy 7. Cancer Cell, 2013, 24, 305-317.	7.7	120
76	Induction of DC-STAMP by Alternative Activation and Downstream Signaling Mechanisms. Journal of Bone and Mineral Research, 2007, 22, 992-1001.	3.1	118
77	Angiopoietin-like proteins: potential new targets for metabolic syndrome therapy. Trends in Molecular Medicine, 2005, 11, 473-479.	3.5	115
78	Angiotensin II Type 1 Receptorâ€“Mediated Inflammation Is Required for Choroidal Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2252-2259.	1.1	115
79	Function of oxidative stress in the regulation of hematopoietic stem cell-niche interaction. Biochemical and Biophysical Research Communications, 2007, 363, 578-583.	1.0	115
80	Stem Cell Defects in ATM-Deficient Undifferentiated Spermatogonia through DNA Damage-Induced Cell-Cycle Arrest. Cell Stem Cell, 2008, 2, 170-182.	5.2	115
81	Angiopoietin-1 Guides Directional Angiogenesis Through Integrin Î± _v Î² ₅ Signaling for Recovery of Ischemic Retinopathy. Science Translational Medicine, 2013, 5, 203ra127.	5.8	113
82	Angiopoietin-related growth factor (AGF) promotes epidermal proliferation, remodeling, and regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9494-9499.	3.3	112
83	Regulation of Reactive Oxygen Species by Atm Is Essential for Proper Response to DNA Double-Strand Breaks in Lymphocytes. Journal of Immunology, 2007, 178, 103-110.	0.4	109
84	Reactive Oxygen Species and Mitochondrial Homeostasis as Regulators of Stem Cell Fate and Function. Antioxidants and Redox Signaling, 2018, 29, 149-168.	2.5	109
85	Regulation of vasculogenesis and angiogenesis by EphB/ephrin-B2 signaling between endothelial cells and surrounding mesenchymal cells. Blood, 2002, 100, 1326-1333.	0.6	108
86	Role of DC-STAMP in cellular fusion of osteoclasts and macrophage giant cells. Journal of Bone and Mineral Metabolism, 2006, 24, 355-358.	1.3	106
87	Knockdown of N-cadherin suppresses the long-term engraftment of hematopoietic stem cells. Blood, 2010, 116, 554-563.	0.6	106
88	The receptor tyrosine kinase, Cek8, is transiently expressed on subtypes of motoneurons in the spinal cord during development. Mechanisms of Development, 1996, 54, 59-69.	1.7	104
89	Macrophage-Stimulating Protein Induces Proliferation and Migration of Murine Keratinocytes. Experimental Cell Research, 1996, 226, 39-46.	1.2	101
90	CLEC-2 in megakaryocytes is critical for maintenance of hematopoietic stem cells in the bone marrow. Journal of Experimental Medicine, 2015, 212, 2133-2146.	4.2	101

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91	Deregulated inflammatory response in mice lacking the STK/RON receptor tyrosine kinase. Genes and Function, 1997, 1, 69-83.	2.8	100
92	Bone marrow-derived cells serve as proangiogenic macrophages but not endothelial cells in wound healing. Blood, 2011, 117, 5264-5272.	0.6	99
93	Ca2+â€“mitochondria axis drives cell division in hematopoietic stem cells. Journal of Experimental Medicine, 2018, 215, 2097-2113.	4.2	99
94	PCGF6-PRC1 suppresses premature differentiation of mouse embryonic stem cells by regulating germ cell-related genes. ELife, 2017, 6, .	2.8	99
95	An adherent condition is required for formation of multinuclear osteoclasts in the presence of macrophage colony-stimulating factor and receptor activator of nuclear factor Î°B ligand. Blood, 2000, 96, 4335-4343.	0.6	98
96	Angiopoietin-related growth factor (AGF) promotes angiogenesis. Blood, 2004, 103, 3760-3765.	0.6	96
97	Endothelial protein C receptorâ€“expressing hematopoietic stem cells reside in the perisinusoidal niche in fetal liver. Blood, 2010, 116, 544-553.	0.6	95
98	p38Î± Activates Purine Metabolism to Initiate Hematopoietic Stem/Progenitor Cell Cycling in Response to Stress. Cell Stem Cell, 2016, 19, 192-204.	5.2	92
99	Expression and Function of Murine Receptor Tyrosine Kinases, TIE and TEK, in Hematopoietic Stem Cells. Blood, 1997, 89, 4317-4326.	0.6	91
100	Cooperative interaction of Angiopoietin-like proteins 1 and 2 in zebrafish vascular development. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13502-13507.	3.3	89
101	Distinct Roles of Ephrin-B2 Forward and EphB4 Reverse Signaling in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 190-197.	1.1	87
102	Angiopoietins and Angiopoietin-Like Proteins in Angiogenesis. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 71-79.	1.7	87
103	Cadherin-Based Adhesion Is a Potential Target for Niche Manipulation to Protect Hematopoietic Stem Cells in Adult Bone Marrow. Cell Stem Cell, 2010, 6, 194-198.	5.2	86
104	Tyro 3 Receptor Tyrosine Kinase and its Ligand, Gas6, Stimulate the Function of Osteoclasts. Stem Cells, 1998, 16, 229-238.	1.4	84
105	Fibroblast growth factor receptor-1 is expressed by endothelial progenitor cells. Blood, 2002, 100, 3527-3535.	0.6	84
106	Spatial analysis of germ stem cell development in Oct-4/EGFP transgenic mice. Archives of Histology and Cytology, 2004, 67, 285-296.	0.2	80
107	Characterization of TEK receptor tyrosine kinase and its ligands, Angiopoietins, in human hematopoietic progenitor cells. International Immunology, 1998, 10, 1217-1227.	1.8	79
108	Identification of tumor-initiating cells in a highly aggressive brain tumor using promoter activity of nucleostemin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17163-17168.	3.3	79

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109	Role of macrophage-stimulating protein and its receptor, RON tyrosine kinase, in ciliary motility.. Journal of Clinical Investigation, 1997, 99, 701-709.	3.9	79
110	In Vitro Hematopoietic and Endothelial Cell Development From Cells Expressing TEK Receptor in Murine Aorta-Gonad-Mesonephros Region. Blood, 1999, 93, 1549-1556.	0.6	77
111	Suppression of Ocular Inflammation in Endotoxin-Induced Uveitis by Blocking the Angiotensin II Type 1 Receptor. , 2005, 46, 2925.		77
112	FoxO3a regulates hematopoietic homeostasis through a negative feedback pathway in conditions of stress or aging. Blood, 2008, 112, 4485-4493.	0.6	77
113	MCP-1 expressed by osteoclasts stimulates osteoclastogenesis in an autocrine/paracrine manner. Biochemical and Biophysical Research Communications, 2009, 383, 373-377.	1.0	76
114	The murine stk gene product, a transmembrane protein tyrosine kinase, is a receptor for macrophage-stimulating protein.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 3933-3937.	3.3	75
115	Hematopoietic cells regulate the angiogenic switch during tumorigenesis. Blood, 2005, 105, 2757-2763.	0.6	74
116	Craniofacial malformation in R-spondin2 knockout mice. Biochemical and Biophysical Research Communications, 2009, 381, 453-458.	1.0	74
117	Leukemia inhibitory factor regulates microvessel density by modulating oxygen-dependent VEGF expression in mice. Journal of Clinical Investigation, 2008, 118, 2393-403.	3.9	74
118	Stromal cells expressing ephrin-B2 promote the growth and sprouting of ephrin-B2+ endothelial cells. Blood, 2001, 98, 1028-1037.	0.6	73
119	Ephrin-B2 Induces Migration of Endothelial Cells Through the Phosphatidylinositol-3 Kinase Pathway and Promotes Angiogenesis in Adult Vasculature. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 2008-2014.	1.1	73
120	Angptl 4 deficiency improves lipid metabolism, suppresses foam cell formation and protects against atherosclerosis. Biochemical and Biophysical Research Communications, 2009, 379, 806-811.	1.0	73
121	A Common Signaling Pathway Via Syk and Lyn Tyrosine Kinases Generated From Capping of the Sialomucins CD34 and CD43 in Immature Hematopoietic Cells. Blood, 1999, 93, 3723-3735.	0.6	72
122	Translocation of the Csk homologous kinase (Chk/Hyl) controls activity of CD36-anchored Lyn tyrosine kinase in thrombin-stimulated platelets. EMBO Journal, 1997, 16, 2342-2351.	3.5	71
123	Vascular endothelial growth factor-A is a survival factor for nucleus pulposus cells in the intervertebral disc. Biochemical and Biophysical Research Communications, 2008, 372, 367-372.	1.0	71
124	Selective Suppression of Pathologic, but Not Physiologic, Retinal Neovascularization by Blocking the Angiotensin II Type 1 Receptor. , 2005, 46, 1078.		70
125	von Hippel-Lindau protein regulates transition from the fetal to the adult circulatory system in retina. Development (Cambridge), 2010, 137, 1563-1571.	1.2	70
126	An epigenetic switch is crucial for spermatogonia to exit the undifferentiated state toward a Kit-positive identity. Development (Cambridge), 2013, 140, 3565-3576.	1.2	70

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127	Defective smooth muscle development in qkI-deficient mice. Development Growth and Differentiation, 2003, 45, 449-462.	0.6	69
128	A role of EphB4 receptor and its ligand, ephrin-B2, in erythropoiesis. Biochemical and Biophysical Research Communications, 2002, 293, 1124-1131.	1.0	68
129	Regulation of Hematopoietic Stem Cells by the Niche. Trends in Cardiovascular Medicine, 2005, 15, 75-79.	2.3	67
130	A Germ Cell-specific Gene, Prmt5, Works in Somatic Cell Reprogramming. Journal of Biological Chemistry, 2011, 286, 10641-10648.	1.6	65
131	Two anatomically distinct niches regulate stem cell activity. Blood, 2012, 120, 2174-2181.	0.6	65
132	Exogenous clustered neuropilin 1 enhances vasculogenesis and angiogenesis. Blood, 2001, 97, 1671-1678.	0.6	64
133	Dynamic regulation of Th17 differentiation by oxygen concentrations. International Immunology, 2012, 24, 137-146.	1.8	64
134	Increased Renal Angiopoietin-1 Expression in Folic Acid-Induced Nephrotoxicity in Mice. Journal of the American Society of Nephrology: JASN, 2001, 12, 2721-2731.	3.0	63
135	Derivation and morphological characterization of mouse spermatogonial stem cell lines. Archives of Histology and Cytology, 2004, 67, 297-306.	0.2	62
136	Thrombopoietin Metabolically Primes Hematopoietic Stem Cells to Megakaryocyte-Lineage Differentiation. Cell Reports, 2018, 25, 1772-1785.e6.	2.9	62
137	Setdb1 maintains hematopoietic stem and progenitor cells by restricting the ectopic activation of nonhematopoietic genes. Blood, 2016, 128, 638-649.	0.6	61
138	The formation of an angiogenic astrocyte template is regulated by the neuroretina in a HIF-1-dependent manner. Developmental Biology, 2012, 363, 106-114.	0.9	60
139	Telomerase reverse transcriptase protects ATM-deficient hematopoietic stem cells from ROS-induced apoptosis through a telomere-independent mechanism. Blood, 2011, 117, 4169-4180.	0.6	59
140	Hematopoietic stem cells express Tie-2 receptor in the murine fetal liver. Blood, 2000, 96, 3757-3762.	0.6	58
141	Mortalin and DJ-1 coordinately regulate hematopoietic stem cell function through the control of oxidative stress. Blood, 2014, 123, 41-50.	0.6	58
142	The IL-2/CD25 axis maintains distinct subsets of chronic myeloid leukemia-initiating cells. Blood, 2014, 123, 2540-2549.	0.6	58
143	Focal Adhesion Kinase Is Not Essential for in Vitro and in Vivo Differentiation of ES Cells. Biochemical and Biophysical Research Communications, 1995, 209, 300-309.	1.0	56
144	Niche Regulation of Hematopoietic Stem Cells in the Endosteum. Annals of the New York Academy of Sciences, 2009, 1176, 36-46.	1.8	56

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145	1-Alpha, 25-dihydroxy vitamin D3 inhibits osteoclastogenesis through IFN-beta-dependent NFATc1 suppression. Journal of Bone and Mineral Metabolism, 2009, 27, 643-652.	1.3	55
146	Role of Nâ€cadherin in the regulation of hematopoietic stem cells in the bone marrow niche. Annals of the New York Academy of Sciences, 2012, 1266, 72-77.	1.8	55
147	Endothelial Growth Factor Receptors in Human Fetal Heart. Circulation, 1999, 100, 583-586.	1.6	53
148	Hlf marks the developmental pathway for hematopoietic stem cells but not for erythro-myeloid progenitors. Journal of Experimental Medicine, 2019, 216, 1599-1614.	4.2	53
149	Bone marrow cell development and trabecular bone dynamics after ovariectomy in ddy mice. Bone, 1998, 23, 443-451.	1.4	52
150	Novel Association of the Src Family Kinases, Hck and c-Fgr, with CCR3 Receptor Stimulation: A Possible Mechanism for Eotaxin-Induced Human Eosinophil Chemotaxis. Biochemical and Biophysical Research Communications, 1999, 264, 163-170.	1.0	51
151	Fbxl10 overexpression in murine hematopoietic stem cells induces leukemia involving metabolic activation and upregulation of Nsg2. Blood, 2015, 125, 3437-3446.	0.6	51
152	Genetic determinants and an epistasis ofLILRA3and HLA-B*52 in Takayasu arteritis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13045-13050.	3.3	51
153	Regulation of Hematopoiesis and Its Interaction with Stem Cell Niches. International Journal of Hematology, 2005, 82, 371-376.	0.7	50
154	Cell fusion in osteoclasts plays a critical role in controlling bone mass and osteoblastic activity. Biochemical and Biophysical Research Communications, 2008, 377, 899-904.	1.0	50
155	Wnt Signaling in the Niche. Cell, 2008, 132, 729-730.	13.5	50
156	Lymphatic vessel assembly is impaired in Aspp1-deficient mouse embryos. Developmental Biology, 2008, 316, 149-159.	0.9	48
157	Proliferation and differentiation in culture of mast cell progenitors derived from mast cell-deficient mice of genotype W/Wv. Journal of Cellular Physiology, 1985, 122, 187-192.	2.0	47
158	Regulation of Stem Cells in the Niche. Cornea, 2005, 24, S12-S17.	0.9	47
159	Expression and potential role of angiopoietins and Tie-2 in early development of the mouse metanephros. Developmental Dynamics, 2001, 222, 120-126.	0.8	46
160	DOCK180 Is a Rac Activator That Regulates Cardiovascular Development by Acting Downstream of CXCR4. Circulation Research, 2010, 107, 1102-1105.	2.0	46
161	Organization of the chemokine genes in the human and mouse major clusters of CC and CXC chemokines: diversification between the two species. Genes and Immunity, 2001, 2, 110-113.	2.2	45
162	Angiopoietin-Related Growth Factor Enhances Blood Flow Via Activation of the ERK1/2-eNOS-NO Pathway in a Mouse Hind-Limb Ischemia Model. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 827-834.	1.1	45

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163	Megakaryocytopoiesis in vitro of patients with essential thrombocythaemia: effect of plasma and serum on megakaryocyte colony formation. British Journal of Haematology, 1986, 64, 241-252.	1.2	44
164	Analysis of CSK Homologous Kinase (CHK/HYL) in Hematopoiesis by Utilizing Gene Knockout Mice. Biochemical and Biophysical Research Communications, 1996, 224, 172-179.	1.0	44
165	Selective Expression of the Receptor Tyrosine Kinase, HTK, on Human Erythroid Progenitor Cells. Blood, 1997, 89, 2757-2765.	0.6	43
166	Neuropilin-1 on hematopoietic cells as a source of vascular development. Blood, 2003, 101, 1801-1809.	0.6	43
167	Reconstitution activity of hypoxic cultured human cord blood CD34-positive cells in NOG mice. Biochemical and Biophysical Research Communications, 2009, 378, 467-472.	1.0	43
168	Ex vivo maintenance of hematopoietic stem cells by quiescence induction through Fbxw7Î± overexpression. Blood, 2011, 117, 2373-2377.	0.6	43
169	Prostaglandin E2 regulates murine hematopoietic stem/progenitor cells directly via EP4 receptor and indirectly through mesenchymal progenitor cells. Blood, 2013, 121, 1995-2007.	0.6	43
170	Niche-mediated depletion of the normal hematopoietic stem cell reservoir by Flt3-ITDâ€“induced myeloproliferation. Journal of Experimental Medicine, 2017, 214, 2005-2021.	4.2	43
171	Ras signaling directs endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Biology, 2008, 181, 131-141.	2.3	42
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