

Toshio Suda

List of Publications by Citations

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

388
papers

29,418
citations

88
h-index

164
g-index

409
ext. papers

32,320
ext. citations

8.3
avg, IF

6.78
L-index

#	Paper	IF	Citations
388	Tie2/angiopoietin-1 signaling regulates hematopoietic stem cell quiescence in the bone marrow niche. <i>Cell</i> , 2004 , 118, 149-61	56.2	1579
387	Reactive oxygen species act through p38 MAPK to limit the lifespan of hematopoietic stem cells. <i>Nature Medicine</i> , 2006 , 12, 446-51	50.5	1056
386	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. <i>Nature</i> , 2004 , 431, 997-1002	50.4	961
385	Foxo3a is essential for maintenance of the hematopoietic stem cell pool. <i>Cell Stem Cell</i> , 2007 , 1, 101-12	18	667
384	DC-STAMP is essential for cell-cell fusion in osteoclasts and foreign body giant cells. <i>Journal of Experimental Medicine</i> , 2005 , 202, 345-51	16.6	661
383	Regulation of the HIF-1 α level is essential for hematopoietic stem cells. <i>Cell Stem Cell</i> , 2010 , 7, 391-402	18	651
382	Metabolic requirements for the maintenance of self-renewing stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 243-56	48.7	646
381	Bidirectional ephrinB2-EphB4 signaling controls bone homeostasis. <i>Cell Metabolism</i> , 2006 , 4, 111-21	24.6	594
380	Prospective identification, isolation, and systemic transplantation of multipotent mesenchymal stem cells in murine bone marrow. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2483-96	16.6	587
379	Thrombopoietin/MPL signaling regulates hematopoietic stem cell quiescence and interaction with the osteoblastic niche. <i>Cell Stem Cell</i> , 2007 , 1, 685-97	18	574
378	Commitment and differentiation of osteoclast precursor cells by the sequential expression of c-Fms and receptor activator of nuclear factor kappaB (RANK) receptors. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1741-54	16.6	547
377	Metabolic regulation of hematopoietic stem cells in the hypoxic niche. <i>Cell Stem Cell</i> , 2011 , 9, 298-310	18	544
376	Regulation of glycolysis by Pdk functions as a metabolic checkpoint for cell cycle quiescence in hematopoietic stem cells. <i>Cell Stem Cell</i> , 2013 , 12, 49-61	18	481
375	A PML/PPAR- γ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance. <i>Nature Medicine</i> , 2012 , 18, 1350-8	50.5	481
374	A role for hematopoietic stem cells in promoting angiogenesis. <i>Cell</i> , 2000 , 102, 199-209	56.2	458
373	Purified interleukin 5 supports the terminal differentiation and proliferation of murine eosinophilic precursors. <i>Journal of Experimental Medicine</i> , 1988 , 167, 43-56	16.6	457
372	v-ATPase V0 subunit d2-deficient mice exhibit impaired osteoclast fusion and increased bone formation. <i>Nature Medicine</i> , 2006 , 12, 1403-9	50.5	442

371	Chk2 is a tumor suppressor that regulates apoptosis in both an ataxia telangiectasia mutated (ATM)-dependent and an ATM-independent manner. <i>Molecular and Cellular Biology</i> , 2002 , 22, 6521-32	4.8	316
370	Ontogeny and multipotency of neural crest-derived stem cells in mouse bone marrow, dorsal root ganglia, and whisker pad. <i>Cell Stem Cell</i> , 2008 , 2, 392-403	18	303
369	Interferon regulatory factor-2 protects quiescent hematopoietic stem cells from type I interferon-dependent exhaustion. <i>Nature Medicine</i> , 2009 , 15, 696-700	50.5	296
368	M-CSF inhibition selectively targets pathological angiogenesis and lymphangiogenesis. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1089-102	16.6	293
367	Critical role of the TIE2 endothelial cell receptor in the development of definitive hematopoiesis. <i>Immunity</i> , 1998 , 9, 677-86	32.3	274
366	The first round of mouse spermatogenesis is a distinctive program that lacks the self-renewing spermatogonia stage. <i>Development (Cambridge)</i> , 2006 , 133, 1495-505	6.6	266
365	Angiopoietin-like protein 2 promotes chronic adipose tissue inflammation and obesity-related systemic insulin resistance. <i>Cell Metabolism</i> , 2009 , 10, 178-88	24.6	261
364	Non-canonical inhibition of DNA damage-dependent ubiquitination by OTUB1. <i>Nature</i> , 2010 , 466, 941-6	50.4	256
363	Bifurcation of osteoclasts and dendritic cells from common progenitors. <i>Blood</i> , 2001 , 98, 2544-54	2.2	236
362	The PTEN/PI3K pathway governs normal vascular development and tumor angiogenesis. <i>Genes and Development</i> , 2005 , 19, 2054-65	12.6	232
361	Neurogenin3 delineates the earliest stages of spermatogenesis in the mouse testis. <i>Developmental Biology</i> , 2004 , 269, 447-58	3.1	219
360	Noncanonical Wnt signaling maintains hematopoietic stem cells in the niche. <i>Cell</i> , 2012 , 150, 351-65	56.2	218
359	Regulation of reactive oxygen species in stem cells and cancer stem cells. <i>Journal of Cellular Physiology</i> , 2012 , 227, 421-30	7	213
358	Mouse Fbw7/Sel-10/Cdc4 is required for notch degradation during vascular development. <i>Journal of Biological Chemistry</i> , 2004 , 279, 9417-23	5.4	206
357	Identification and characterization of stem cells in prepubertal spermatogenesis in mice. <i>Developmental Biology</i> , 2003 , 258, 209-25	3.1	204
356	Angiopoietin-1 promotes lymphatic sprouting and hyperplasia. <i>Blood</i> , 2005 , 105, 4642-8	2.2	204
355	Angiopoietin-1 promotes LYVE-1-positive lymphatic vessel formation. <i>Blood</i> , 2005 , 105, 4649-56	2.2	202
354	p57(Kip2) and p27(Kip1) cooperate to maintain hematopoietic stem cell quiescence through interactions with Hsc70. <i>Cell Stem Cell</i> , 2011 , 9, 247-61	18	201

353	Angiogenic role of LYVE-1-positive macrophages in adipose tissue. <i>Circulation Research</i> , 2007 , 100, e47-57	57.7	199
352	Maintenance of quiescent hematopoietic stem cells in the osteoblastic niche. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1106, 41-53	6.5	185
351	Disparate differentiation in mouse hemopoietic colonies derived from paired progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984 , 81, 2520-4	11.5	183
350	Mesenchymal stem cells in perichondrium express activated leukocyte cell adhesion molecule and participate in bone marrow formation. <i>Journal of Experimental Medicine</i> , 2002 , 195, 1549-63	16.6	181
349	Self-renewal of a purified Tie2+ hematopoietic stem cell population relies on mitochondrial clearance. <i>Science</i> , 2016 , 354, 1156-1160	33.3	180
348	Neurons limit angiogenesis by titrating VEGF in retina. <i>Cell</i> , 2014 , 159, 584-96	56.2	170
347	Angiopoietin-related growth factor antagonizes obesity and insulin resistance. <i>Nature Medicine</i> , 2005 , 11, 400-8	50.5	170
346	Oncogenic transcription factor Evi1 regulates hematopoietic stem cell proliferation through GATA-2 expression. <i>EMBO Journal</i> , 2005 , 24, 1976-87	13	166
345	Isolation and characterization of endosteal niche cell populations that regulate hematopoietic stem cells. <i>Blood</i> , 2010 , 116, 1422-32	2.2	163
344	Hematopoietic stem cells and their niche. <i>Trends in Immunology</i> , 2005 , 26, 426-33	14.4	160
343	Mice Homozygous for a Truncated Form of CREB-Binding Protein Exhibit Defects in Hematopoiesis and Vasculo-angiogenesis. <i>Blood</i> , 1999 , 93, 2771-2779	2.2	160
342	Single-cell origin of mouse hemopoietic colonies expressing multiple lineages in variable combinations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983 , 80, 6689-93	11.5	154
341	The Blimp1-Bcl6 axis is critical to regulate osteoclast differentiation and bone homeostasis. <i>Journal of Experimental Medicine</i> , 2010 , 207, 751-62	16.6	152
340	Fbxw7 acts as a critical fail-safe against premature loss of hematopoietic stem cells and development of T-ALL. <i>Genes and Development</i> , 2008 , 22, 986-91	12.6	146
339	Permissive role of interleukin 3 (IL-3) in proliferation and differentiation of multipotential hemopoietic progenitors in culture. <i>Journal of Cellular Physiology</i> , 1985 , 124, 182-90	7	143
338	Mechanism of hypercalcemia in adult T-cell leukemia: overexpression of receptor activator of nuclear factor kappaB ligand on adult T-cell leukemia cells. <i>Blood</i> , 2002 , 99, 634-40	2.2	142
337	Stepwise progression of B lineage differentiation supported by interleukin 7 and other stromal cell molecules. <i>Journal of Experimental Medicine</i> , 1990 , 171, 1683-95	16.6	141
336	Reactive oxygen species induce chondrocyte hypertrophy in endochondral ossification. <i>Journal of Experimental Medicine</i> , 2007 , 204, 1613-23	16.6	137

335	Inhibition of angiogenesis and vascular leakiness by angiopoietin-related protein 4. <i>Cancer Research</i> , 2003 , 63, 6651-7	10.1	133
334	Bidirectional signaling through ephrinA2-EphA2 enhances osteoclastogenesis and suppresses osteoblastogenesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 14637-44	5.4	130
333	The analysis, roles and regulation of quiescence in hematopoietic stem cells. <i>Development (Cambridge)</i> , 2014 , 141, 4656-66	6.6	126
332	Prox1 induces lymphatic endothelial differentiation via integrin alpha9 and other signaling cascades. <i>Molecular Biology of the Cell</i> , 2007 , 18, 1421-9	3.5	126
331	VEGF-C signaling pathways through VEGFR-2 and VEGFR-3 in vasculoangiogenesis and hematopoiesis. <i>Blood</i> , 2000 , 96, 3793-3800	2.2	125
330	Osteoclasts are dispensable for hematopoietic stem cell maintenance and mobilization. <i>Journal of Experimental Medicine</i> , 2011 , 208, 2175-81	16.6	123
329	Activated protein C induces endothelial cell proliferation by mitogen-activated protein kinase activation in vitro and angiogenesis in vivo. <i>Circulation Research</i> , 2004 , 95, 34-41	15.7	123
328	Pathological neoangiogenesis depends on oxidative stress regulation by ATM. <i>Nature Medicine</i> , 2012 , 18, 1208-16	50.5	118
327	Bone marrow long label-retaining cells reside in the sinusoidal hypoxic niche. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 366, 335-9	3.4	118
326	ALCAM (CD166): its role in hematopoietic and endothelial development. <i>Blood</i> , 2001 , 98, 2134-42	2.2	118
325	CD24 is expressed specifically in the nucleus pulposus of intervertebral discs. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 1890-6	3.4	114
324	Differentiation and function of osteoclasts. <i>Keio Journal of Medicine</i> , 2003 , 52, 1-7	1.6	113
323	Cancer stem cells and their niche. <i>Cancer Science</i> , 2009 , 100, 1166-72	6.9	112
322	VEGFR1 tyrosine kinase signaling promotes lymphangiogenesis as well as angiogenesis indirectly via macrophage recruitment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 658-64	9.4	110
321	Induction of DC-STAMP by alternative activation and downstream signaling mechanisms. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 992-1001	6.3	109
320	Regulation of vasculogenesis and angiogenesis by EphB/ephrin-B2 signaling between endothelial cells and surrounding mesenchymal cells. <i>Blood</i> , 2002 , 100, 1326-1333	2.2	107
319	Mfsd2b is essential for the sphingosine-1-phosphate export in erythrocytes and platelets. <i>Nature</i> , 2017 , 550, 524-528	50.4	106
318	Role of endothelial cell-derived angptl2 in vascular inflammation leading to endothelial dysfunction and atherosclerosis progression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 790-800	9.4	106

3 ¹⁷	Angiotensin II type 1 receptor-mediated inflammation is required for choroidal neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 2252-9	9.4	105
3 ¹⁶	Extracellular matrix protein tenascin-C is required in the bone marrow microenvironment primed for hematopoietic regeneration. <i>Blood</i> , 2012 , 119, 5429-37	2.2	103
3 ¹⁵	Angiopietin-like proteins: potential new targets for metabolic syndrome therapy. <i>Trends in Molecular Medicine</i> , 2005 , 11, 473-9	11.5	101
3 ¹⁴	Angiopietin-related/angiopietin-like proteins regulate angiogenesis. <i>International Journal of Hematology</i> , 2004 , 80, 21-8	2.3	101
3 ¹³	Stem cell defects in ATM-deficient undifferentiated spermatogonia through DNA damage-induced cell-cycle arrest. <i>Cell Stem Cell</i> , 2008 , 2, 170-82	18	100
3 ¹²	Function of oxidative stress in the regulation of hematopoietic stem cell-niche interaction. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 363, 578-83	3.4	98
3 ¹¹	Regulation of reactive oxygen species by Atm is essential for proper response to DNA double-strand breaks in lymphocytes. <i>Journal of Immunology</i> , 2007 , 178, 103-10	5.3	97
3 ¹⁰	Knockdown of N-cadherin suppresses the long-term engraftment of hematopoietic stem cells. <i>Blood</i> , 2010 , 116, 554-63	2.2	95
3 ⁰⁹	Macrophage-stimulating protein induces proliferation and migration of murine keratinocytes. <i>Experimental Cell Research</i> , 1996 , 226, 39-46	4.2	95
3 ⁰⁸	Megakaryocytes are essential for HSC quiescence through the production of thrombopoietin. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 454, 353-7	3.4	93
3 ⁰⁷	Deregulated inflammatory response in mice lacking the STK/RON receptor tyrosine kinase. <i>Genes and Function</i> , 1997 , 1, 69-83		93
3 ⁰⁶	Angiopietin-related growth factor (AGF) promotes epidermal proliferation, remodeling, and regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9494-9	11.5	93
3 ⁰⁵	The receptor tyrosine kinase, Cck8, is transiently expressed on subtypes of motoneurons in the spinal cord during development. <i>Mechanisms of Development</i> , 1996 , 54, 59-69	1.7	93
3 ⁰⁴	Angiopietin-1 guides directional angiogenesis through integrin $\alpha 5 \beta 1$ signaling for recovery of ischemic retinopathy. <i>Science Translational Medicine</i> , 2013 , 5, 203ra127	17.5	90
3 ⁰³	Role of DC-STAMP in cellular fusion of osteoclasts and macrophage giant cells. <i>Journal of Bone and Mineral Metabolism</i> , 2006 , 24, 355-8	2.9	90
3 ⁰²	Haploinsufficiency of SAMD9L, an endosome fusion facilitator, causes myeloid malignancies in mice mimicking human diseases with monosomy 7. <i>Cancer Cell</i> , 2013 , 24, 305-17	24.3	89
3 ⁰¹	An adherent condition is required for formation of multinuclear osteoclasts in the presence of macrophage colony-stimulating factor and receptor activator of nuclear factor κB ligand. <i>Blood</i> , 2000 , 96, 4335-4343	2.2	89
3 ⁰⁰	Bone marrow-derived cells serve as proangiogenic macrophages but not endothelial cells in wound healing. <i>Blood</i> , 2011 , 117, 5264-72	2.2	86

299	Jam1a-Jam2a interactions regulate haematopoietic stem cell fate through Notch signalling. <i>Nature</i> , 2014 , 512, 319-23	50.4	84
298	Angiopoietin-related growth factor (AGF) promotes angiogenesis. <i>Blood</i> , 2004 , 103, 3760-5	2.2	84
297	Distinct roles of ephrin-B2 forward and EphB4 reverse signaling in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 190-7	9.4	80
296	CLEC-2 in megakaryocytes is critical for maintenance of hematopoietic stem cells in the bone marrow. <i>Journal of Experimental Medicine</i> , 2015 , 212, 2133-46	16.6	79
295	Angiopoietins and angiopoietin-like proteins in angiogenesis. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2006 , 13, 71-9		79
294	Cooperative interaction of Angiopoietin-like proteins 1 and 2 in zebrafish vascular development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 13502-7	11.5	79
293	Endothelial protein C receptor-expressing hematopoietic stem cells reside in the perisinusoidal niche in fetal liver. <i>Blood</i> , 2010 , 116, 544-53	2.2	78
292	Osteoclasts are dispensable for hematopoietic stem cell maintenance and mobilization. <i>Journal of Experimental Medicine</i> , 2011 , 208, 2761-2761	16.6	78
291	Cadherin-based adhesion is a potential target for niche manipulation to protect hematopoietic stem cells in adult bone marrow. <i>Cell Stem Cell</i> , 2010 , 6, 194-8	18	77
290	Spatial analysis of germ stem cell development in Oct-4/EGFP transgenic mice. <i>Archives of Histology and Cytology</i> , 2004 , 67, 285-96		76
289	Fibroblast growth factor receptor-1 is expressed by endothelial progenitor cells. <i>Blood</i> , 2002 , 100, 3527-35		76
288	Expression and Function of Murine Receptor Tyrosine Kinases, TIE and TEK, in Hematopoietic Stem Cells. <i>Blood</i> , 1997 , 89, 4317-4326	2.2	76
287	Identification of tumor-initiating cells in a highly aggressive brain tumor using promoter activity of nucleostemin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17163-8	11.5	75
286	In Vitro Hematopoietic and Endothelial Cell Development From Cells Expressing TEK Receptor in Murine Aorta-Gonad-Mesonephros Region. <i>Blood</i> , 1999 , 93, 1549-1556	2.2	72
285	The murine stk gene product, a transmembrane protein tyrosine kinase, is a receptor for macrophage-stimulating protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 3933-7	11.5	71
284	MCP-1 expressed by osteoclasts stimulates osteoclastogenesis in an autocrine/paracrine manner. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 383, 373-7	3.4	70
283	FoxO3a regulates hematopoietic homeostasis through a negative feedback pathway in conditions of stress or aging. <i>Blood</i> , 2008 , 112, 4485-93	2.2	70
282	Tyro 3 receptor tyrosine kinase and its ligand, Gas6, stimulate the function of osteoclasts. <i>Stem Cells</i> , 1998 , 16, 229-38	5.8	69

281	Suppression of ocular inflammation in endotoxin-induced uveitis by blocking the angiotensin II type 1 receptor. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 2925-31		69
280	Characterization of TEK receptor tyrosine kinase and its ligands, Angiopoietins, in human hematopoietic progenitor cells. <i>International Immunology</i> , 1998 , 10, 1217-27	4.9	69
279	Stromal cells expressing ephrin-B2 promote the growth and sprouting of ephrin-B2(+) endothelial cells. <i>Blood</i> , 2001 , 98, 1028-37	2.2	68
278	Leukemia inhibitory factor regulates microvessel density by modulating oxygen-dependent VEGF expression in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2393-403	15.9	68
277	Craniofacial malformation in R-spondin2 knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 381, 453-8	3.4	66
276	Ephrin-B2 induces migration of endothelial cells through the phosphatidylinositol-3 kinase pathway and promotes angiogenesis in adult vasculature. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 2008-14	9.4	66
275	Hematopoietic cells regulate the angiogenic switch during tumorigenesis. <i>Blood</i> , 2005 , 105, 2757-63	2.2	66
274	Selective suppression of pathologic, but not physiologic, retinal neovascularization by blocking the angiotensin II type 1 receptor. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 1078-84		66
273	A Common Signaling Pathway Via Syk and Lyn Tyrosine Kinases Generated From Capping of the Sialomucins CD34 and CD43 in Immature Hematopoietic Cells. <i>Blood</i> , 1999 , 93, 3723-3735	2.2	65
272	Angptl 4 deficiency improves lipid metabolism, suppresses foam cell formation and protects against atherosclerosis. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 806-11	3.4	64
271	Vascular endothelial growth factor-A is a survival factor for nucleus pulposus cells in the intervertebral disc. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 372, 367-72	3.4	64
270	Ca-mitochondria axis drives cell division in hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2097-2113	16.6	64
269	Role of macrophage-stimulating protein and its receptor, RON tyrosine kinase, in ciliary motility. <i>Journal of Clinical Investigation</i> , 1997 , 99, 701-9	15.9	63
268	Translocation of the Csk homologous kinase (Chk/Hyl) controls activity of CD36-anchored Lyn tyrosine kinase in thrombin-stimulated platelets. <i>EMBO Journal</i> , 1997 , 16, 2342-51	13	62
267	Regulation of hematopoietic stem cells by the niche. <i>Trends in Cardiovascular Medicine</i> , 2005 , 15, 75-9	6.9	62
266	Two anatomically distinct niches regulate stem cell activity. <i>Blood</i> , 2012 , 120, 2174-81	2.2	60
265	Exogenous clustered neuropilin 1 enhances vasculogenesis and angiogenesis. <i>Blood</i> , 2001 , 97, 1671-8	2.2	60
264	Reactive Oxygen Species and Mitochondrial Homeostasis as Regulators of Stem Cell Fate and Function. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 149-168	8.4	58

263	p38 β Activates Purine Metabolism to Initiate Hematopoietic Stem/Progenitor Cell Cycling in Response to Stress. <i>Cell Stem Cell</i> , 2016 , 19, 192-204	18	58
262	Defective smooth muscle development in qkl-deficient mice. <i>Development Growth and Differentiation</i> , 2003 , 45, 449-62	3	57
261	Derivation and morphological characterization of mouse spermatogonial stem cell lines. <i>Archives of Histology and Cytology</i> , 2004 , 67, 297-306		57
260	The formation of an angiogenic astrocyte template is regulated by the neuroretina in a HIF-1-dependent manner. <i>Developmental Biology</i> , 2012 , 363, 106-14	3.1	55
259	An epigenetic switch is crucial for spermatogonia to exit the undifferentiated state toward a Kit-positive identity. <i>Development (Cambridge)</i> , 2013 , 140, 3565-76	6.6	54
258	Hematopoietic stem cells express Tie-2 receptor in the murine fetal liver. <i>Blood</i> , 2000 , 96, 3757-3762	2.2	54
257	Focal adhesion kinase is not essential for in vitro and in vivo differentiation of ES cells. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 209, 300-9	3.4	54
256	von Hippel-Lindau protein regulates transition from the fetal to the adult circulatory system in retina. <i>Development (Cambridge)</i> , 2010 , 137, 1563-71	6.6	53
255	A germ cell-specific gene, Prmt5, works in somatic cell reprogramming. <i>Journal of Biological Chemistry</i> , 2011 , 286, 10641-8	5.4	53
254	A role of EphB4 receptor and its ligand, ephrin-B2, in erythropoiesis. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 1124-31	3.4	53
253	Increased renal angiopoietin-1 expression in folic acid-induced nephrotoxicity in mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2001 , 12, 2721-2731	12.7	53
252	Niche regulation of hematopoietic stem cells in the endosteum. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1176, 36-46	6.5	52
251	The IL-2/CD25 axis maintains distinct subsets of chronic myeloid leukemia-initiating cells. <i>Blood</i> , 2014 , 123, 2540-9	2.2	51
250	1-Alpha, 25-dihydroxy vitamin D3 inhibits osteoclastogenesis through IFN-beta-dependent NFATc1 suppression. <i>Journal of Bone and Mineral Metabolism</i> , 2009 , 27, 643-52	2.9	51
249	PCGF6-PRC1 suppresses premature differentiation of mouse embryonic stem cells by regulating germ cell-related genes. <i>ELife</i> , 2017 , 6,	8.9	51
248	Telomerase reverse transcriptase protects ATM-deficient hematopoietic stem cells from ROS-induced apoptosis through a telomere-independent mechanism. <i>Blood</i> , 2011 , 117, 4169-80	2.2	50
247	Dynamic regulation of Th17 differentiation by oxygen concentrations. <i>International Immunology</i> , 2012 , 24, 137-46	4.9	50
246	Bone marrow cell development and trabecular bone dynamics after ovariectomy in ddy mice. <i>Bone</i> , 1998 , 23, 443-51	4.7	50

245	Endothelial growth factor receptors in human fetal heart. <i>Circulation</i> , 1999 , 100, 583-6	16.7	50
244	Mortalin and DJ-1 coordinately regulate hematopoietic stem cell function through the control of oxidative stress. <i>Blood</i> , 2014 , 123, 41-50	2.2	47
243	Fbxl10 overexpression in murine hematopoietic stem cells induces leukemia involving metabolic activation and upregulation of Nsg2. <i>Blood</i> , 2015 , 125, 3437-46	2.2	45
242	Regulation of hematopoiesis and its interaction with stem cell niches. <i>International Journal of Hematology</i> , 2005 , 82, 371-6	2.3	45
241	Novel association of the src family kinases, hck and c-fgr, with CCR3 receptor stimulation: A possible mechanism for eotaxin-induced human eosinophil chemotaxis. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 264, 163-70	3.4	45
240	Wnt signaling in the niche. <i>Cell</i> , 2008 , 132, 729-30	56.2	44
239	Setdb1 maintains hematopoietic stem and progenitor cells by restricting the ectopic activation of nonhematopoietic genes. <i>Blood</i> , 2016 , 128, 638-49	2.2	44
238	Expression and potential role of angiopoietins and Tie-2 in early development of the mouse metanephros. <i>Developmental Dynamics</i> , 2001 , 222, 120-6	2.9	42
237	DOCK180 is a Rac activator that regulates cardiovascular development by acting downstream of CXCR4. <i>Circulation Research</i> , 2010 , 107, 1102-5	15.7	41
236	Lymphatic vessel assembly is impaired in Aspp1-deficient mouse embryos. <i>Developmental Biology</i> , 2008 , 316, 149-59	3.1	41
235	Cell fusion in osteoclasts plays a critical role in controlling bone mass and osteoblastic activity. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 377, 899-904	3.4	41
234	Angiopoietin-related growth factor enhances blood flow via activation of the ERK1/2-eNOS-NO pathway in a mouse hind-limb ischemia model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 827-34	9.4	41
233	Regulation of stem cells in the niche. <i>Cornea</i> , 2005 , 24, S12-S17	3.1	41
232	Selective Expression of the Receptor Tyrosine Kinase, HTK, on Human Erythroid Progenitor Cells. <i>Blood</i> , 1997 , 89, 2757-2765	2.2	40
231	Neuropilin-1 on hematopoietic cells as a source of vascular development. <i>Blood</i> , 2003 , 101, 1801-9	2.2	40
230	Ataxia-telangiectasia mutated (ATM) deficiency decreases reprogramming efficiency and leads to genomic instability in iPS cells. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 407, 321-6	3.4	39
229	Megakaryocytopoiesis in vitro of patients with essential thrombocythaemia: effect of plasma and serum on megakaryocytic colony formation. <i>British Journal of Haematology</i> , 1986 , 64, 241-52	4.5	39
228	Proliferation and differentiation in culture of mast cell progenitors derived from mast cell-deficient mice of genotype W/W ^v . <i>Journal of Cellular Physiology</i> , 1985 , 122, 187-92	7	39

227	Role of N-cadherin in the regulation of hematopoietic stem cells in the bone marrow niche. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1266, 72-7	6.5	38
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