Masanori Hirashima

List of Publications by Year
in descending order

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47 papers	4,936 citations	147801 31 h-index	223800 46 g-index
47 all docs	47 docs citations	47 times ranked	6647 citing authors

#	Article	IF	Citations
1	Flk1-positive cells derived from embryonic stem cells serve as vascular progenitors. Nature, 2000, 408, 92-96.	27.8	1,290
2	Dosage-sensitive requirement for mouse Dll4 in artery development. Genes and Development, 2004, 18, 2474-2478.	5.9	486
3	Alternatively spliced vascular endothelial growth factor receptor-2 is an essential endogenous inhibitor of lymphatic vessel growth. Nature Medicine, 2009, 15, 1023-1030.	30.7	328
4	The sphingosine-1-phosphate transporter Spns2 expressed on endothelial cells regulates lymphocyte trafficking in mice. Journal of Clinical Investigation, 2012, 122, 1416-1426.	8.2	280
5	Glomerular Structure and Function Require Paracrine, Not Autocrine, VEGFâ€“VEGFR-2 Signaling. Journal of the American Society of Nephrology: JASN, 2010, 21, 1691-1701.	6.1	236
6	Combinatorial effects of Flk1 and Tal1 on vascular and hematopoietic development in the mouse. Genes and Development, 2003, 17, 380-393.	5.9	232
7	Essential in Vivo Roles of the C-type Lectin Receptor CLEC-2. Journal of Biological Chemistry, 2010, 285, 24494-24507.	3.4	232
8	Sema3E-PlexinD1 signaling selectively suppresses disoriented angiogenesis in ischemic retinopathy in mice. Journal of Clinical Investigation, 2011, 121, 1974-1985.	8.2	182
9	Platelet Activation Receptor CLEC-2 Regulates Blood/Lymphatic Vessel Separation by Inhibiting Proliferation, Migration, and Tube Formation of Lymphatic Endothelial Cells. Journal of Biological Chemistry, 2012, 287, 22241-22252.	3.4	136
10	Prox1 Induces Lymphatic Endothelial Differentiation via Integrin Î±9 and Other Signaling Cascades. Molecular Biology of the Cell, 2007, 18, 1421-1429.	2.1	131
11	VEGFR1 Tyrosine Kinase Signaling Promotes Lymphangiogenesis as Well as Angiogenesis Indirectly via Macrophage Recruitment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 658-664.	2.4	120
12	Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown. JCI Insight, 2017, 2, e90905.	5.0	113
13	Leukemia inhibitory factor regulates microvessel density by modulating oxygen-dependent VEGF expression in mice. Journal of Clinical Investigation, 2008, 118, 2393-403.	8.2	74
14	Trophoblast expression of fms-like tyrosine kinase 1 is not required for the establishment of the maternal-fetal interface in the mouse placenta. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15637-15642.	7.1	71
15	Dynamics of angiogenesis in ischemic areas of the infarcted heart. Scientific Reports, 2017, 7, 7156.	3.3	69
16	Loss of Notch signalling induced by Dll4 causes arterial calibre reduction by increasing endothelial cell response to angiogenic stimuli. BMC Developmental Biology, 2008, 8, 117.	2.1	65
17	A chemically defined culture of VEGFR2+ cells derived from embryonic stem cells reveals the role of VEGFR1 in tuning the threshold for VEGF in developing endothelial cells. Blood, 2003, 101, 2261-2267.	1.4	57
18	Modulation of VEGFR-2â€“mediated endothelial-cell activity by VEGF-C/VEGFR-3. Blood, 2003, 101, 1367-1374.	1.4	54

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19	Regulation of endothelial cell differentiation and arterial specification by VEGF and Notch signaling. Anatomical Science International, 2009, 84, 95-101.	1.0	49
20	Lymphatic vessel assembly is impaired in Aspp1-deficient mouse embryos. Developmental Biology, 2008, 316, 149-159.	2.0	48
21	DOCK180 Is a Rac Activator That Regulates Cardiovascular Development by Acting Downstream of CXCR4. Circulation Research, 2010, 107, 1102-1105.	4.5	46
22	Platelets play an essential role in murine lung development through Clec-2/podoplanin interaction. Blood, 2018, 132, 1167-1179.	1.4	46
23	Vascular development and patterning: making the right choices. Current Opinion in Genetics and Development, 2003, 13, 408-412.	3.3	45
24	Arhgef15 Promotes Retinal Angiogenesis by Mediating VEGF-Induced Cdc42 Activation and Potentiating RhoJ Inactivation in Endothelial Cells. PLoS ONE, 2012, 7, e45858.	2.5	45
25	Semaphorin 3G Provides a Repulsive Guidance Cue to Lymphatic Endothelial Cells via Neuropilin-2/PlexinD1. Cell Reports, 2016, 17, 2299-2311.	6.4	44
26	Recombinant angiopoietin-1 restores higher-order architecture of growing blood vessels in mice in the absence of mural cells. Journal of Clinical Investigation, 2002, 110, 1619-1628.	8.2	43
27	Ras signaling directs endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Biology, 2008, 181, 131-141.	5.2	42
28	Differentiation of Arterial and Venous Endothelial Cells and Vascular Morphogenesis. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 137-145.	1.7	38
29	Gene-trap expression screening to identify endothelial-specific genes. Blood, 2004, 104, 711-718.	1.4	37
30	Isolation and function of mouse tissue resident vascular precursors marked by myelin protein zero. Journal of Experimental Medicine, 2011, 208, 949-960.	8.5	34
31	Identification of targets of Prox1 during in vitro vascular differentiation from embryonic stem cells: functional roles of HoxD8 in lymphangiogenesis. Journal of Cell Science, 2009, 122, 3923-3930.	2.0	33
32	VEGFR2 promotes central endothelial activation and the spread of pain in inflammatory arthritis. Brain, Behavior, and Immunity, 2018, 74, 49-67.	4.1	31
33	EphrinB2â€“EphB4 Signals Regulate Formation and Maintenance of Funnel-Shaped Valves in Corneal Lymphatic Capillaries. , 2013, 54, 4102.		27
34	An Adaptor Molecule Afadin Regulates Lymphangiogenesis by Modulating RhoA Activity in the Developing Mouse Embryo. PLoS ONE, 2013, 8, e68134.	2.5	24
35	VEGFR2 but not VEGFR3 governs integrity and remodeling of thyroid angiofollicular unit in normal state and during goitrogenesis. EMBO Molecular Medicine, 2017, 9, 750-769.	6.9	21
36	PROX1 Is Associated with Cancer Progression and Prognosis in Gastric Cancer. Anticancer Research, 2018, 38, 6139-6145.	1.1	17

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37	Blood and lymphatic systems are segregated by the FLCN tumor suppressor. Nature Communications, 2020, 11, 6314.	12.8	17
38	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. Genes To Cells, 2017, 22, 220-236.	1.2	16
39	Enhanced Angpt1/Tie2 signaling affects the differentiation and long-term repopulation ability of hematopoietic stem cells. Biochemical and Biophysical Research Communications, 2013, 430, 20-25.	2.1	14
40	Cell Biology of Vascular Endothelial Cells. Annals of the New York Academy of Sciences, 2001, 947, 35-41.	3.8	12
41	Impaired vascular development in the yolk sac and allantois in mice lacking RA-GEF-1. Biochemical and Biophysical Research Communications, 2009, 387, 754-759.	2.1	12
42	Roles of Thromboxane Receptor Signaling in Enhancement of Lipopolysaccharide-Induced Lymphangiogenesis and Lymphatic Drainage Function in Diaphragm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1390-1407.	2.4	9
43	Maturation of Embryonic Stem Cells Into Endothelial Cells in an In Vitro Model of Vasculogenesis. Blood, 1999, 93, 1253-1263.	1.4	9
44	MAGIs regulate aPKC to enable balanced distribution of intercellular tension for epithelial sheet homeostasis. Communications Biology, 2021, 4, 337.	4.4	7
45	Flt1 and Flk1 mediate regulation of intraocular pressure and their double heterozygosity causes the buphthalmia in mice. Biochemical and Biophysical Research Communications, 2012, 420, 422-427.	2.1	6
46	Flt1/VEGFR1 heterozygosity causes transient embryonic edema. Scientific Reports, 2016, 6, 27186.	3.3	6
47	Only plantar lesion of punctate palmoplantar keratoderma with a novel missense mutation in the AAGAB gene: Two Japanese familial case reports and review of reported mutations. Journal of Dermatology, 2021, 48, 1926-1930.	1.2	2