

# Masanori Hirashima

## List of Publications by Year in descending order

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Version: 2024-02-01

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	MAGIs regulate aPKC to enable balanced distribution of intercellular tension for epithelial sheet homeostasis. <i>Communications Biology</i> , 2021, 4, 337.	4.4	7
2	Roles of Thromboxane Receptor Signaling in Enhancement of Lipopolysaccharide-Induced Lymphangiogenesis and Lymphatic Drainage Function in Diaphragm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1390-1407.	2.4	9
3	Only plantar lesion of punctate palmoplantar keratoderma with a novel missense mutation in the <i>AACAB</i> gene: Two Japanese familial case reports and review of reported mutations. <i>Journal of Dermatology</i> , 2021, 48, 1926-1930.	1.2	2
4	Blood and lymphatic systems are segregated by the FLCN tumor suppressor. <i>Nature Communications</i> , 2020, 11, 6314.	12.8	17
5	VEGFR2 promotes central endothelial activation and the spread of pain in inflammatory arthritis. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 49-67.	4.1	31
6	PROX1 Is Associated with Cancer Progression and Prognosis in Gastric Cancer. <i>Anticancer Research</i> , 2018, 38, 6139-6145.	1.1	17
7	Platelets play an essential role in murine lung development through Clec-2/podoplanin interaction. <i>Blood</i> , 2018, 132, 1167-1179.	1.4	46
8	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. <i>Genes To Cells</i> , 2017, 22, 220-236.	1.2	16
9	VEGFR2 but not VEGFR3 governs integrity and remodeling of thyroid angiofollicular unit in normal state and during goitrogenesis. <i>EMBO Molecular Medicine</i> , 2017, 9, 750-769.	6.9	21
10	Dynamics of angiogenesis in ischemic areas of the infarcted heart. <i>Scientific Reports</i> , 2017, 7, 7156.	3.3	69
11	Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown. <i>JCI Insight</i> , 2017, 2, e90905.	5.0	113
12	Semaphorin 3G Provides a Repulsive Guidance Cue to Lymphatic Endothelial Cells via Neuropilin-2/PlexinD1. <i>Cell Reports</i> , 2016, 17, 2299-2311.	6.4	44
13	Flt1/VEGFR1 heterozygosity causes transient embryonic edema. <i>Scientific Reports</i> , 2016, 6, 27186.	3.3	6
14	Enhanced Angpt1/Tie2 signaling affects the differentiation and long-term repopulation ability of hematopoietic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 20-25.	2.1	14
15	EphrinB2/EphB4 Signals Regulate Formation and Maintenance of Funnel-Shaped Valves in Corneal Lymphatic Capillaries. <i>Investigative Ophthalmology and Visual Science</i> , 2013, 54, 4102.		27
16	An Adaptor Molecule Afadin Regulates Lymphangiogenesis by Modulating RhoA Activity in the Developing Mouse Embryo. <i>PLoS ONE</i> , 2013, 8, e68134.	2.5	24
17	Platelet Activation Receptor CLEC-2 Regulates Blood/Lymphatic Vessel Separation by Inhibiting Proliferation, Migration, and Tube Formation of Lymphatic Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 22241-22252.	3.4	136
18	Flt1 and Flk1 mediate regulation of intraocular pressure and their double heterozygosity causes the buphthalmia in mice. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 422-427.	2.1	6

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19	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
20	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
21	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
22	Sema3E-PlexinD1 signaling selectively suppresses disoriented angiogenesis in ischemic retinopathy in mice. Journal of Clinical Investigation, 2011, 121, 1974-1985.	8.2	182
23	Glomerular Structure and Function Require Paracrine, Not Autocrine, VEGF-VEGFR-2 Signaling. Journal of the American Society of Nephrology: JASN, 2010, 21, 1691-1701.	6.1	236
24	DOCK180 Is a Rac Activator That Regulates Cardiovascular Development by Acting Downstream of CXCR4. Circulation Research, 2010, 107, 1102-1105.	4.5	46
25	Essential in Vivo Roles of the C-type Lectin Receptor CLEC-2. Journal of Biological Chemistry, 2010, 285, 24494-24507.	3.4	232
26	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
27	Regulation of endothelial cell differentiation and arterial specification by VEGF and Notch signaling. Anatomical Science International, 2009, 84, 95-101.	1.0	49
28	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
29	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
30	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
31	Lymphatic vessel assembly is impaired in Aspp1-deficient mouse embryos. Developmental Biology, 2008, 316, 149-159.	2.0	48
32	Ras signaling directs endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Biology, 2008, 181, 131-141.	5.2	42
33	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
34	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
35	Prox1 Induces Lymphatic Endothelial Differentiation via Integrin $\alpha 9$ and Other Signaling Cascades. Molecular Biology of the Cell, 2007, 18, 1421-1429.	2.1	131
36	Differentiation of Arterial and Venous Endothelial Cells and Vascular Morphogenesis. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 137-145.	1.7	38

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37	Dosage-sensitive requirement for mouse Dll4 in artery development. <i>Genes and Development</i> , 2004, 18, 2474-2478.	5.9	486
38	Gene-trap expression screening to identify endothelial-specific genes. <i>Blood</i> , 2004, 104, 711-718.	1.4	37
39	Vascular development and patterning: making the right choices. <i>Current Opinion in Genetics and Development</i> , 2003, 13, 408-412.	3.3	45
40	Trophoblast expression of fms-like tyrosine kinase 1 is not required for the establishment of the maternal-fetal interface in the mouse placenta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15637-15642.	7.1	71
41	Combinatorial effects of Flk1 and Tal1 on vascular and hematopoietic development in the mouse. <i>Genes and Development</i> , 2003, 17, 380-393.	5.9	232
42	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. <i>Blood</i> , 2003, 101, 2261-2267.	1.4	57
43	Modulation of VEGFR-2-mediated endothelial-cell activity by VEGF-C/VEGFR-3. <i>Blood</i> , 2003, 101, 1367-1374.	1.4	54
44	Recombinant angiopoietin-1 restores higher-order architecture of growing blood vessels in mice in the absence of mural cells. <i>Journal of Clinical Investigation</i> , 2002, 110, 1619-1628.	8.2	43
45	Cell Biology of Vascular Endothelial Cells. <i>Annals of the New York Academy of Sciences</i> , 2001, 947, 35-41.	3.8	12
46	Flk1-positive cells derived from embryonic stem cells serve as vascular progenitors. <i>Nature</i> , 2000, 408, 92-96.	27.8	1,290
47	Maturation of Embryonic Stem Cells Into Endothelial Cells in an In Vitro Model of Vasculogenesis. <i>Blood</i> , 1999, 93, 1253-1263.	1.4	9