List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Syk Protein Tyrosine Kinase Is Essential for FcÎ <sup>3</sup> Receptor Signaling in Macrophages and Neutrophils. Molecular and Cellular Biology, 1998, 18, 4209-4220.	2.3	356
2	Mechanotransduction, PROX1, and FOXC2 Cooperate to Control Connexin37 and Calcineurin during Lymphatic-Valve Formation. Developmental Cell, 2012, 22, 430-445.	7.0	339
3	A novel multistep mechanism for initial lymphangiogenesis in mouse embryos based on ultramicroscopy. EMBO Journal, 2013, 32, 629-644.	7.8	252
4	The role of fatty acid $\hat{I}^2$ -oxidation in lymphangiogenesis. Nature, 2017, 542, 49-54.	27.8	240
5	The junctional adhesion molecule (JAM) family members JAM-2 and JAM-3 associate with the cell polarity protein PAR-3: a possible role for JAMs in endothelial cell polarity. Journal of Cell Science, 2003, 116, 3879-3891.	2.0	234
6	Stabilizing the VE-cadherin-catenin complex blocks leukocyte extravasation and vascular permeability. EMBO Journal, 2011, 30, 4157-4170.	7.8	222
7	Molecular cloning ofLSIRF, a lymphoid-specific member of the interferon regulatory factor family that binds the interferon-stimulated response element (ISRE). Nucleic Acids Research, 1995, 23, 2127-2136.	14.5	219
8	Toxic gain of function from mutant <scp>FUS</scp> protein is crucial to trigger cell autonomous motor neuron loss. EMBO Journal, 2016, 35, 1077-1097.	7.8	187
9	FOXC2 and fluid shear stress stabilize postnatal lymphatic vasculature. Journal of Clinical Investigation, 2015, 125, 3861-3877.	8.2	186
10	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Cell Biology, 2009, 185, 657-671.	5.2	167
11	Matrix stiffness controls lymphatic vessel formation through regulation of a GATA2-dependent transcriptional program. Nature Communications, 2018, 9, 1511.	12.8	122
12	Generation of completely embryonic stem cell-derived mutant mice using tetraploid blastocyst injection. Mechanisms of Development, 1997, 62, 137-145.	1.7	121
13	HPK1 Is Activated by Lymphocyte Antigen Receptors and Negatively Regulates AP-1. Immunity, 2000, 12, 399-408.	14.3	118
14	Dual Interaction of JAM-C with JAM-B and αMβ2Integrin: Function in Junctional Complexes and Leukocyte Adhesion. Molecular Biology of the Cell, 2005, 16, 4992-5003.	2.1	109
15	The role of chemokines and their receptors in angiogenesis. Cellular and Molecular Life Sciences, 2011, 68, 2811-2830.	5.4	102
16	The hormonal peptide Elabela guides angioblasts to the midline during vasculogenesis. ELife, 2015, 4, .	6.0	86
17	Multiple roles of lymphatic vessels in peripheral lymph node development. Journal of Experimental Medicine, 2018, 215, 2760-2777.	8.5	85
18	A novel family of fluorescent hypoxia sensors reveal strong heterogeneity in tumor hypoxia at the cellular level. EMBO Journal. 2016. 35, 102-113.	7.8	80

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19	Regulation of Developmental Lymphangiogenesis by Syk+ Leukocytes. Developmental Cell, 2010, 18, 437-449.	7.0	78
20	Tie1 deletion inhibits tumor growth and improves angiopoietin antagonist therapy. Journal of Clinical Investigation, 2014, 124, 824-834.	8.2	78
21	Intravital two-photon microscopy of lymphatic vessel development and function using a transgenic <i>Prox1</i> promoter-directed mOrange2 reporter mouse. Biochemical Society Transactions, 2011, 39, 1674-1681.	3.4	76
22	CCR7-mediated LFA-1 functions in T cells are regulated by 2 independent ADAP/SKAP55 modules. Blood, 2012, 119, 777-785.	1.4	74
23	Podoplanin and CLEC-2 drive cerebrovascular patterning and integrity during development. Blood, 2015, 125, 3769-3777.	1.4	73
24	SH2/SH3 Adaptor Proteins Can Link Tyrosine Kinases to a Ste20-related Protein Kinase, HPK1. Journal of Biological Chemistry, 1997, 272, 27804-27811.	3.4	72
25	Activation or suppression of NFκB by HPK1 determines sensitivity to activation-induced cell death. EMBO Journal, 2005, 24, 4279-4290.	7.8	71
26	Identification of a clonally expanding haematopoietic compartment in bone marrow. EMBO Journal, 2012, 32, 219-230.	7.8	70
27	Caspase-mediated Cleavage of Hematopoietic Progenitor Kinase 1 (HPK1) Converts an Activator of NFκB into an Inhibitor of NFκB. Journal of Biological Chemistry, 2001, 276, 14675-14684.	3.4	66
28	Polyoma Middle T-induced Vascular Tumor Formation: The Role of the Plasminogen Activator/Plasmin System. Journal of Cell Biology, 1997, 137, 953-963.	5.2	65
29	The Adaptor Protein Gads (Grb2-Related Adaptor Downstream of Shc) Is Implicated in Coupling Hemopoietic Progenitor Kinase-1 to the Activated TCR. Journal of Immunology, 2000, 165, 1417-1426.	0.8	64
30	The Novel Oral Syk Inhibitor, Bl1002494, Protects Mice From Arterial Thrombosis and Thromboinflammatory Brain Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1247-1253.	2.4	62
31	Distinct roles of <scp>VE</scp> â€cadherin for development and maintenance of specific lymph vessel beds. EMBO Journal, 2018, 37, .	7.8	62
32	B Cell Adaptor Containing Src Homology 2 Domain (Bash) Links B Cell Receptor Signaling to the Activation of Hematopoietic Progenitor Kinase 1. Journal of Experimental Medicine, 2001, 194, 529-540.	8.5	61
33	Phosphorylation of CARMA1 by HPK1 is critical for NF-κB activation in T cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14508-14513.	7.1	60
34	An Evolutionarily Conserved Role for Polydom/Svep1 During Lymphatic Vessel Formation. Circulation Research, 2017, 120, 1263-1275.	4.5	59
35	Activation of Hematopoietic Progenitor Kinase 1 Involves Relocation, Autophosphorylation, and Transphosphorylation by Protein Kinase D1. Molecular and Cellular Biology, 2005, 25, 2364-2383.	2.3	57
36	Synergistic Regulation of Immunoreceptor Signaling by SLP-76-Related Adaptor Clnk and Serine/Threonine Protein Kinase HPK-1. Molecular and Cellular Biology, 2001, 21, 6102-6112.	2.3	49

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37	Activation of Hematopoietic Progenitor Kinase-1 by Erythropoietin. Blood, 1999, 93, 3347-3354.	1.4	48
38	Hematopoietic Progenitor Kinase 1 Is a Negative Regulator of Dendritic Cell Activation. Journal of Immunology, 2009, 182, 6187-6194.	0.8	48
39	Modulation of synaptic function through the α-neurexin–specific ligand neurexophilin-1. Proceedings of the United States of America, 2014, 111, E1274-83.	7.1	47
40	Endothelial cell transformation by polyomavirus middle T antigen in mice lacking Src-related kinases. Current Biology, 1994, 4, 100-109.	3.9	46
41	ShcA and Grb2 mediate polyoma middle T antigen-induced endothelial transformation and Gab1 tyrosine phosphorylation. EMBO Journal, 2001, 20, 6327-6336.	7.8	45
42	Hematopoietic progenitor kinase 1 is a critical component of prostaglandin E2-mediated suppression of the anti-tumor immune response. Cancer Immunology, Immunotherapy, 2010, 59, 419-429.	4.2	44
43	Oncogenic Properties Of The Middle T Antigens Of Polyomaviruses. Advances in Cancer Research, 1994, 64, 125-157.	5.0	43
44	Cdk5 controls lymphatic vessel development and function by phosphorylation of Foxc2. Nature Communications, 2015, 6, 7274.	12.8	42
45	Efficient homing of T cells via afferent lymphatics requires mechanical arrest and integrin-supported chemokine guidance. Nature Communications, 2020, 11, 1114.	12.8	41
46	Caspase-cleaved HPK1 induces CD95L-independent activation-induced cell death in T and B lymphocytes. Blood, 2007, 110, 3968-3977.	1.4	40
47	Upregulation of VCAM-1 in lymphatic collectors supports dendritic cell entry and rapid migration to lymph nodes in inflammation. Journal of Experimental Medicine, 2021, 218, .	8.5	37
48	Sustained JNK signaling by proteolytically processed HPK1 mediates IL-3 independent survival during monocytic differentiation. Cell Death and Differentiation, 2007, 14, 568-575.	11.2	36
49	Intravital imaging reveals systemic ezrin inhibition impedes cancer cell migration and lymph node metastasis in breast cancer. Breast Cancer Research, 2019, 21, 12.	5.0	36
50	A qualitative comparison of ten tissue clearing techniques. Histology and Histopathology, 2018, 33, 181-199.	0.7	35
51	Migration inhibition of mammary epithelial cells by Syk is blocked in the presence of DDR1 receptors. Cellular and Molecular Life Sciences, 2011, 68, 3757-3770.	5.4	34
52	Targeted downregulation of platelet CLEC-2 occurs through Syk-independent internalization. Blood, 2015, 125, 4069-4077.	1.4	34
53	Altered BCR signalling quality predisposes to autoimmune disease and a pre-diabetic state. EMBO Journal, 2012, 31, 3363-3374.	7.8	33
54	VIPAR, a quantitative approach to 3D histopathology applied to lymphatic malformations. JCI Insight, 2017, 2, .	5.0	33

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55	Maturation of Platelet Function During Murine Fetal Development In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1076-1086.	2.4	28
56	Molecular imaging of MMP activity discriminates unstable from stable plaque phenotypes in shear-stress induced murine atherosclerosis. PLoS ONE, 2018, 13, e0204305.	2.5	27
57	HPK1 Associates with SKAP-HOM to Negatively Regulate Rap1-Mediated B-Lymphocyte Adhesion. PLoS ONE, 2010, 5, e12468.	2.5	26
58	Receptor tyrosine kinase inhibitors: Are they real tumor killers?. International Journal of Cancer, 2016, 138, 540-554.	5.1	26
59	Hematopoietic progenitor kinase 1 (HPK1) is required for LFA-1–mediated neutrophil recruitment during the acute inflammatory response. Blood, 2013, 121, 4184-4194.	1.4	23
60	Dendritic Cells and T Cells Interact Within Murine Afferent Lymphatic Capillaries. Frontiers in Immunology, 2019, 10, 520.	4.8	23
61	HPK1 competes with ADAP for SLPâ€76 binding and <i>via</i> Rap1 negatively affects Tâ€cell adhesion. European Journal of Immunology, 2010, 40, 3220-3225.	2.9	22
62	The guanine nucleotide exchange factor Arhgef7/βPix promotes axon formation upstream of TC10. Scientific Reports, 2018, 8, 8811.	3.3	20
63	Fusing VE-Cadherin to α-Catenin Impairs Fetal Liver Hematopoiesis and Lymph but Not Blood Vessel Formation. Molecular and Cellular Biology, 2014, 34, 1634-1648.	2.3	19
64	Signal transduction and co-stimulatory pathways. Transplant Immunology, 2002, 9, 69-82.	1.2	18
65	Developmental partitioning of SYK and ZAP70 prevents autoimmunity and cancer. Molecular Cell, 2021, 81, 2094-2111.e9.	9.7	17
66	Cx47 fine-tunes the handling of serum lipids but is dispensable for lymphatic vascular function. PLoS ONE, 2017, 12, e0181476.	2.5	17
67	Visualization of Lymphatic Vessel Development, Growth, and Function. Advances in Anatomy, Embryology and Cell Biology, 2014, 214, 167-186.	1.6	16
68	Mature oligodendrocytes bordering lesions limit demyelination and favor myelin repair via heparan sulfate production. ELife, 2020, 9, .	6.0	16
69	Rapid methods for the evaluation of fluorescent reporters in tissue clearing and the segmentation of large vascular structures. IScience, 2021, 24, 102650.	4.1	11
70	Hpk1. The AFCS-nature Molecule Pages, 0, , .	0.2	11
71	Lymphatic endothelial differentiation: start out with Sox - carry on with Prox. Genome Biology, 2008, 9, 243.	9.6	10
72	Scalable robust graph and feature extraction for arbitrary vessel networks in large volumetric datasets. BMC Bioinformatics, 2021, 22, 346.	2.6	9

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73	Vegfr3-tdTomato, a reporter mouse for microscopic visualization of lymphatic vessel by multiple modalities. PLoS ONE, 2021, 16, e0249256.	2.5	8
74	Novel components of mammalian stress-activated protein kinase cascades. Biochemical Society Transactions, 1997, 25, 491-498.	3.4	7
75	Multiscale and Multimodal Optical Imaging of the Ultrastructure of Human Liver Biopsies. Frontiers in Physiology, 2021, 12, 637136.	2.8	7
76	Three-Dimensional Visualization of the Lymphatic Vasculature. Methods in Molecular Biology, 2018, 1846, 1-18.	0.9	6
77	Suboptimal B ell antigen receptor signaling activity in vivo elicits germinal center counterselection mechanisms. European Journal of Immunology, 2015, 45, 603-611.	2.9	5
78	New Therapeutic Approaches for Conjunctival Melanoma—What We Know So Far and Where Therapy Is Potentially Heading: Focus on Lymphatic Vessels and Dendritic Cells. International Journal of Molecular Sciences, 2022, 23, 1478.	4.1	4
79	Tissue clearing may alter emission and absorption properties of common fluorophores. Scientific Reports, 2022, 12, 5551.	3.3	4
80	The <scp>BAFF</scp> ling function of Syk in Bâ€cell homeostasis. EMBO Journal, 2015, 34, 838-840.	7.8	3
81	Automated Segmentation of Immunostained Cell Nuclei in 3D Ultramicroscopy Images. Lecture Notes in Computer Science, 2016, , 105-116.	1.3	3
82	Introductory Remarks. Advances in Anatomy, Embryology and Cell Biology, 2014, 214, 1-4.	1.6	3
83	A novel model for ectopic, chronic, intravital multiphoton imaging of bone marrow vasculature and architecture in split femurs. Intravital, 2015, 4, e1066949.	2.0	2
84	Rapid Methods for the Evaluation of Fluorescent Reporters in Tissue Clearing and the Segmentation of Large Vascular Structures. SSRN Electronic Journal, 0, , .	0.4	2
85	Immortalization of Endothelial Cells. , 2004, , 63-72.		2
86	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Experimental Medicine, 2009, 206, i11-i11.	8.5	1
87	Characterization of Hematopoietic Progenitor Kinase 1 (HPK1) in Multiple Myeloma: a Player in Pathogenesis?,. Blood, 2011, 118, 3956-3956.	1.4	0
88	Unperturbed Immune Function despite Mutation of C-Terminal Tyrosines in Syk Previously Implicated in Signaling and Activity Regulation. Molecular and Cellular Biology, 2017, 37, .	2.3	0
89	HPK1., 2018, , 2421-2427.		0