

Lars Jakobsson

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,550
citations

257101

24
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

5660
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial cells dynamically compete for the tip cell position during angiogenic sprouting. <i>Nature Cell Biology</i> , 2010, 12, 943-953.	4.6	820
2	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. <i>Developmental Cell</i> , 2012, 23, 587-599.	3.1	287
3	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. <i>Nature Cell Biology</i> , 2011, 13, 1202-1213.	4.6	272
4	TGF- β 1-induced EMT promotes targeted migration of breast cancer cells through the lymphatic system by the activation of CCR7/CCL21-mediated chemotaxis. <i>Oncogene</i> , 2016, 35, 748-760.	2.6	246
5	Heparan Sulfate in trans Potentiates VEGFR-Mediated Angiogenesis. <i>Developmental Cell</i> , 2006, 10, 625-634.	3.1	220
6	Endoglin controls blood vessel diameter through endothelial cell shape changes in response to haemodynamic cues. <i>Nature Cell Biology</i> , 2017, 19, 653-665.	4.6	174
7	Endoglin prevents vascular malformation by regulating flow-induced cell migration and specification through VEGFR2 signalling. <i>Nature Cell Biology</i> , 2017, 19, 639-652.	4.6	153
8	Endothelial Cell Migration in Stable Gradients of Vascular Endothelial Growth Factor A and Fibroblast Growth Factor 2. <i>Journal of Biological Chemistry</i> , 2008, 283, 13905-13912.	1.6	143
9	Neuropilin-1 in regulation of VEGF-induced activation of p38MAPK and endothelial cell organization. <i>Blood</i> , 2008, 112, 3638-3649.	0.6	143
10	VEGFRs and Notch: a dynamic collaboration in vascular patterning. <i>Biochemical Society Transactions</i> , 2009, 37, 1233-1236.	1.6	140
11	Angiomotin regulates endothelial cell migration during embryonic angiogenesis. <i>Genes and Development</i> , 2007, 21, 2055-2068.	2.7	128
12	Proteomic Analysis of Vascular Endothelial Growth Factor-induced Endothelial Cell Differentiation Reveals a Role for Chloride Intracellular Channel 4 (CLIC4) in Tubular Morphogenesis*. <i>Journal of Biological Chemistry</i> , 2005, 280, 42397-42404.	1.6	90
13	Building blood vessels—stem cell models in vascular biology. <i>Journal of Cell Biology</i> , 2007, 177, 751-755.	2.3	89
14	Platelet-derived growth factor receptor- β promotes early endothelial cell differentiation. <i>Blood</i> , 2006, 108, 1877-1886.	0.6	83
15	Laminin deposition is dispensable for vasculogenesis but regulates blood vessel diameter independent of flow. <i>FASEB Journal</i> , 2008, 22, 1530-1539.	0.2	64
16	Functional Overlap Between Chondroitin and Heparan Sulfate Proteoglycans During VEGF-Induced Sprouting Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1255-1263.	1.1	62
17	Laminin-1 Promotes Angiogenesis in Synergy with Fibroblast Growth Factor by Distinct Regulation of the Gene and Protein Expression Profile in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 23766-23772.	1.6	55
18	Transforming growth factor β family members in regulation of vascular function: In the light of vascular conditional knockouts. <i>Experimental Cell Research</i> , 2013, 319, 1264-1270.	1.2	54

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19	Deregulation of Flk-1/vascular endothelial growth factor receptor-2 in fibroblast growth factor receptor-1-deficient vascular stem cell development. <i>Journal of Cell Science</i> , 2004, 117, 1513-1523.	1.2	53
20	VEGF, Notch and TGF β 2/BMPs in regulation of sprouting angiogenesis and vascular patterning. <i>Biochemical Society Transactions</i> , 2014, 42, 1576-1583.	1.6	52
21	Loss of Endothelial Endoglin Promotes High-Output Heart Failure Through Peripheral Arteriovenous Shunting Driven by VEGF Signaling. <i>Circulation Research</i> , 2020, 126, 243-257.	2.0	41
22	Neuropilin 1 binds platelet-derived growth factor (PDGF)-D and is a co-receptor in PDGF-D/PDGF receptor β 2 signaling. <i>Journal of Cell Science</i> , 2017, 130, 1365-1378.	1.2	40
23	Smooth muscle cell recruitment to lymphatic vessels requires PDGFB and impacts vessel size but not identity. <i>Development (Cambridge)</i> , 2017, 144, 3590-3601.	1.2	39
24	Fibroblast Growth Factor Receptor-1 Expression Is Required for Hematopoietic but not Endothelial Cell Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 944-949.	1.1	35
25	The hippocampal neurovascular niche during normal development and after irradiation to the juvenile mouse brain. <i>International Journal of Radiation Biology</i> , 2014, 90, 778-789.	1.0	18
26	Vascular Basement Membrane Components in Angiogenesis – An Act of Balance. <i>Scientific World Journal</i> , The, 2008, 8, 1246-1249.	0.8	16
27	RhoA inhibits neural differentiation in murine stem cells through multiple mechanisms. <i>Science Signaling</i> , 2016, 9, ra76.	1.6	14
28	The Dynamics of Developmental and Tumor Angiogenesis – A Comparison. <i>Cancers</i> , 2012, 4, 400-419.	1.7	8
29	Characterization of multi-cellular dynamics of angiogenesis and vascular remodelling by intravital imaging of the wounded mouse cornea. <i>Scientific Reports</i> , 2018, 8, 10672.	1.6	6
30	Oncogenes in Brain Arteriovenous Malformations. <i>Circulation Research</i> , 2020, 127, 744-746.	2.0	5
31	Building blood vessels – stem cell models in vascular biology. <i>Journal of Experimental Medicine</i> , 2007, 204, i17-i17.	4.2	0
32	Endothelial Tip Cell Guidance and Mechanisms. <i>FASEB Journal</i> , 2010, 24, 9.1.	0.2	0