

Christer Betsholtz

List of Publications by Year in descending order

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156
papers

38,257
citations

11639

70
h-index

6990

154
g-index

180
all docs

180
docs citations

180
times ranked

40731
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq. <i>Science</i> , 2015, 347, 1138-1142.	6.0	2,779
2	VEGF guides angiogenic sprouting utilizing endothelial tip cell filopodia. <i>Journal of Cell Biology</i> , 2003, 161, 1163-1177.	2.3	2,483
3	Pericytes regulate the blood-brain barrier. <i>Nature</i> , 2010, 468, 557-561.	13.7	2,214
4	Pericytes: Developmental, Physiological, and Pathological Perspectives, Problems, and Promises. <i>Developmental Cell</i> , 2011, 21, 193-215.	3.1	2,123
5	Pericyte Loss and Microaneurysm Formation in PDGF-B-Deficient Mice. <i>Science</i> , 1997, 277, 242-245.	6.0	1,953
6	Role of platelet-derived growth factors in physiology and medicine. <i>Genes and Development</i> , 2008, 22, 1276-1312.	2.7	1,904
7	Endothelial/Pericyte Interactions. <i>Circulation Research</i> , 2005, 97, 512-523.	2.0	1,748
8	Dll4 signalling through Notch1 regulates formation of tip cells during angiogenesis. <i>Nature</i> , 2007, 445, 776-780.	13.7	1,515
9	A molecular atlas of cell types and zonation in the brain vasculature. <i>Nature</i> , 2018, 554, 475-480.	13.7	1,310
10	Establishment and Dysfunction of the Blood-Brain Barrier. <i>Cell</i> , 2015, 163, 1064-1078.	13.5	1,146
11	Apolipoprotein E controls cerebrovascular integrity via cyclophilin A. <i>Nature</i> , 2012, 485, 512-516.	13.7	1,019
12	Lack of Pericytes Leads to Endothelial Hyperplasia and Abnormal Vascular Morphogenesis. <i>Journal of Cell Biology</i> , 2001, 153, 543-554.	2.3	949
13	Endothelial-pericyte interactions in angiogenesis. <i>Cell and Tissue Research</i> , 2003, 314, 15-23.	1.5	931
14	PDGF-A Signaling Is a Critical Event in Lung Alveolar Myofibroblast Development and Alveogenesis. <i>Cell</i> , 1996, 85, 863-873.	13.5	787
15	Blocking VEGFR-3 suppresses angiogenic sprouting and vascular network formation. <i>Nature</i> , 2008, 454, 656-660.	13.7	731
16	Endothelial PDGF-B retention is required for proper investment of pericytes in the microvessel wall. <i>Genes and Development</i> , 2003, 17, 1835-1840.	2.7	557
17	PDGF-C is a new protease-activated ligand for the PDGF β -receptor. <i>Nature Cell Biology</i> , 2000, 2, 302-309.	4.6	548
18	Pericytes and the Pathogenesis of Diabetic Retinopathy. <i>Diabetes</i> , 2002, 51, 3107-3112.	0.3	519

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19	A New Method for Large Scale Isolation of Kidney Glomeruli from Mice. American Journal of Pathology, 2002, 161, 799-805.	1.9	457
20	Pericytes and vascular stability. Experimental Cell Research, 2006, 312, 623-629.	1.2	435
21	Endothelial and nonendothelial sources of PDGF-B regulate pericyte recruitment and influence vascular pattern formation in tumors. Journal of Clinical Investigation, 2003, 112, 1142-1151.	3.9	414
22	Absence of Epithelial Immunoglobulin a Transport, with Increased Mucosal Leakiness, in Polymeric Immunoglobulin Receptor/Secretory Component-deficient Mice. Journal of Experimental Medicine, 1999, 190, 915-922.	4.2	377
23	Abnormal Reaction to Central Nervous System Injury in Mice Lacking Glial Fibrillary Acidic Protein and Vimentin. Journal of Cell Biology, 1999, 145, 503-514.	2.3	360
24	Insight into the physiological functions of PDGF through genetic studies in mice. Cytokine and Growth Factor Reviews, 2004, 15, 215-228.	3.2	355
25	Age-dependent modulation of vascular niches for haematopoietic stem cells. Nature, 2016, 532, 380-384.	13.7	355
26	Endothelium-specific platelet-derived growth factor-B ablation mimics diabetic retinopathy. EMBO Journal, 2002, 21, 4307-4316.	3.5	339
27	Developmental roles of platelet-derived growth factors. BioEssays, 2001, 23, 494-507.	1.2	333
28	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. Nature Communications, 2020, 11, 3953.	5.8	316
29	Single-cell RNA sequencing of mouse brain and lung vascular and vessel-associated cell types. Scientific Data, 2018, 5, 180160.	2.4	316
30	EPS8 and E3B1 transduce signals from Ras to Rac. Nature, 1999, 401, 290-293.	13.7	312
31	Endothelium-specific ablation of PDGFB leads to pericyte loss and glomerular, cardiac and placental abnormalities. Development (Cambridge), 2004, 131, 1847-1857.	1.2	301
32	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. Developmental Cell, 2012, 23, 587-599.	3.1	287
33	Mutations in the gene encoding PDGF-B cause brain calcifications in humans and mice. Nature Genetics, 2013, 45, 1077-1082.	9.4	273
34	Endothelial and nonendothelial sources of PDGF-B regulate pericyte recruitment and influence vascular pattern formation in tumors. Journal of Clinical Investigation, 2003, 112, 1142-1151.	3.9	251
35	Clonal culturing of human embryonic stem cells on laminin-521/E-cadherin matrix in defined and xeno-free environment. Nature Communications, 2014, 5, 3195.	5.8	248
36	Cardiometabolic risk loci share downstream cis- and trans-gene regulation across tissues and diseases. Science, 2016, 353, 827-830.	6.0	241

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37	Transcription Profiling of Platelet-Derived Growth Factor-B-Deficient Mouse Embryos Identifies RGS5 as a Novel Marker for Pericytes and Vascular Smooth Muscle Cells. <i>American Journal of Pathology</i> , 2003, 162, 721-729.	1.9	215
38	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2017, 69, 823-836.	1.2	214
39	Leydig Cell Loss and Spermatogenic Arrest in Platelet-Derived Growth Factor (Pdgf)-Deficient Mice. <i>Journal of Cell Biology</i> , 2000, 149, 1019-1026.	2.3	210
40	cKit Lineage Hemogenic Endothelium-Derived Cells Contribute to Mesenteric Lymphatic Vessels. <i>Cell Reports</i> , 2015, 10, 1708-1721.	2.9	207
41	A Two-Way Communication between Microglial Cells and Angiogenic Sprouts Regulates Angiogenesis in Aortic Ring Cultures. <i>PLoS ONE</i> , 2011, 6, e15846.	1.1	200
42	Large-scale identification of genes implicated in kidney glomerulus development and function. <i>EMBO Journal</i> , 2006, 25, 1160-1174.	3.5	196
43	Antibodies against platelet-derived growth factor inhibit acute transformation by simian sarcoma virus. <i>Nature</i> , 1985, 317, 438-440.	13.7	190
44	Analysis of the brain mural cell transcriptome. <i>Scientific Reports</i> , 2016, 6, 35108.	1.6	185
45	Platelet-Derived Growth Factor Production by B16 Melanoma Cells Leads to Increased Pericyte Abundance in Tumors and an Associated Increase in Tumor Growth Rate. <i>Cancer Research</i> , 2004, 64, 2725-2733.	0.4	174
46	Analysis of Mural Cell Recruitment to Tumor Vessels. <i>Circulation</i> , 2002, 105, 112-117.	1.6	172
47	Microarray analysis of blood microvessels from PDGF β and PDGF β ² mutant mice identifies novel markers for brain pericytes. <i>FASEB Journal</i> , 2006, 20, 1703-1705.	0.2	172
48	Pericyte-specific expression of Rgs5: implications for PDGF and EDG receptor signaling during vascular maturation. <i>FASEB Journal</i> , 2003, 17, 1-17.	0.2	170
49	Lack of Evidence of Angiotensin-Converting Enzyme 2 Expression and Replicative Infection by SARS-CoV-2 in Human Endothelial Cells. <i>Circulation</i> , 2021, 143, 865-868.	1.6	166
50	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
51	Integrative functional genomics identifies regulatory mechanisms at coronary artery disease loci. <i>Nature Communications</i> , 2016, 7, 12092.	5.8	123
52	PDGF- α /PDGF α -receptor signaling is required for lung growth and the formation of alveoli but not for early lung branching morphogenesis. <i>Developmental Dynamics</i> , 2002, 223, 155-162.	0.8	119
53	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. <i>Nature Communications</i> , 2016, 7, 11017.	5.8	111
54	Specification of CNS macrophage subsets occurs postnatally in defined niches. <i>Nature</i> , 2022, 604, 740-748.	13.7	107

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55	The importance of microglia in the development of the vasculature in the central nervous system. <i>Vascular Cell</i> , 2013, 5, 4.	0.2	106
56	Notch3 Is Necessary for Blood Vessel Integrity in the Central Nervous System. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 409-420.	1.1	106
57	Impaired induction of blood-brain barrier properties in aortic endothelial cells by astrocytes from GFAB-deficient mice. <i>Glia</i> , 1998, 22, 390-400.	2.5	105
58	Skin Adipocyte Stem Cell Self-Renewal Is Regulated by a PDGFA/AKT-Signaling Axis. <i>Cell Stem Cell</i> , 2016, 19, 738-751.	5.2	105
59	Role of pericytes in vascular morphogenesis. , 2005, , 115-125.		103
60	Pericytes Stimulate Oligodendrocyte Progenitor Cell Differentiation during CNS Remyelination. <i>Cell Reports</i> , 2017, 20, 1755-1764.	2.9	100
61	Single-Cell Analysis of Blood-Brain Barrier Response to Pericyte Loss. <i>Circulation Research</i> , 2021, 128, e46-e62.	2.0	98
62	Growth factor-induced proliferation of human fibroblasts in serum-free culture depends on cell density and extracellular calcium concentration. <i>Journal of Cellular Physiology</i> , 1984, 118, 203-210.	2.0	96
63	Identification of a Core Set of 58 Gene Transcripts With Broad and Specific Expression in the Microvasculature. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1469-1476.	1.1	95
64	PDGF-B Is Required for Development of the Glymphatic System. <i>Cell Reports</i> , 2019, 26, 2955-2969.e3.	2.9	89
65	Emerging links between cerebrovascular and neurodegenerative diseases—a special role for pericytes. <i>EMBO Reports</i> , 2019, 20, e48070.	2.0	89
66	Multiple roles of lymphatic vessels in peripheral lymph node development. <i>Journal of Experimental Medicine</i> , 2018, 215, 2760-2777.	4.2	85
67	Excessive vascular sprouting underlies cerebral hemorrhage in mice lacking $\pm\text{V}\beta\text{8-TGF}\beta\text{2}$ signaling in the brain. <i>Development (Cambridge)</i> , 2014, 141, 4489-4499.	1.2	84
68	PDGF-A and PDGF-B induces cardiac fibrosis in transgenic mice. <i>Experimental Cell Research</i> , 2016, 349, 282-290.	1.2	83
69	PDGF β signaling is important for murine cardiac development: Its role in developing atrioventricular valves, coronaries, and cardiac innervation. <i>Developmental Dynamics</i> , 2008, 237, 494-503.	0.8	78
70	Generation and Characterization of <i>rgs5</i> Mutant Mice. <i>Molecular and Cellular Biology</i> , 2008, 28, 2324-2331.	1.1	78
71	Effects of a Disrupted Blood-Brain Barrier on Cholesterol Homeostasis in the Brain. <i>Journal of Biological Chemistry</i> , 2014, 289, 23712-23722.	1.6	78
72	Functional Characterization of Germline Mutations in PDGFB and PDGFRB in Primary Familial Brain Calcification. <i>PLoS ONE</i> , 2015, 10, e0143407.	1.1	77

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73	Expression and Subcellular Distribution of Novel Glomerulus-Associated Proteins Dendrin, Ehd3, Sh2d4a, Plekhh2, and Z310066E14Rik. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 689-697.	3.0	72
74	Biology of platelet-derived growth factors in development. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2003, 69, 272-285.	3.6	71
75	Trafficking of Endogenous Immunoglobulins by Endothelial Cells at the Blood-Brain Barrier. <i>Scientific Reports</i> , 2016, 6, 25658.	1.6	70
76	A reverse genetic screen in the zebrafish identifies crb2b as a regulator of the glomerular filtration barrier. <i>Developmental Biology</i> , 2009, 334, 1-9.	0.9	66
77	Transcriptomic and Proteomic Profiling Provides Insight into Mesangial Cell Function in IgA Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2961-2972.	3.0	65
78	Role of platelet-derived growth factor in mesangium development and vasculopathies: lessons from platelet-derived growth factor and platelet-derived growth factor receptor mutations in mice. <i>Current Opinion in Nephrology and Hypertension</i> , 2004, 13, 45-52.	1.0	57
79	Defective endothelial cell migration in the absence of Cdc42 leads to capillary-venous malformations. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	56
80	Single-cell RNA sequencing reveals the mesangial identity and species diversity of glomerular cell transcriptomes. <i>Nature Communications</i> , 2021, 12, 2141.	5.8	55
81	Intravital imaging-based analysis tools for vessel identification and assessment of concurrent dynamic vascular events. <i>Nature Communications</i> , 2018, 9, 2746.	5.8	53
82	Visualization of vascular mural cells in developing brain using genetically labeled transgenic reporter mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 456-468.	2.4	51
83	Targeted disruption of the mouse phospholipase C β 3 gene results in early embryonic lethality. <i>FEBS Letters</i> , 1998, 441, 261-265.	1.3	47
84	Double function at the blood-brain barrier. <i>Nature</i> , 2014, 509, 432-433.	13.7	47
85	Platelet-Specific PDGFR β Ablation Impairs Tumor Vessel Integrity and Promotes Metastasis. <i>Cancer Research</i> , 2020, 80, 3345-3358.	0.4	47
86	Key molecular alterations in endothelial cells in human glioblastoma uncovered through single-cell RNA sequencing. <i>JCI Insight</i> , 2021, 6, .	2.3	47
87	Microvascular stabilization via blood-brain barrier regulation prevents seizure activity. <i>Nature Communications</i> , 2022, 13, 2003.	5.8	47
88	PDGF-A signaling is required for secondary alveolar septation and controls epithelial proliferation in the developing lung. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	46
89	Powerful Homeostatic Control of Oligodendroglial Lineage by PDGFR β in Adult Brain. <i>Cell Reports</i> , 2019, 27, 1073-1089.e5.	2.9	46
90	Identification, discrimination and heterogeneity of fibroblasts. <i>Nature Communications</i> , 2022, 13, .	5.8	43

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91	<scp>PDGF</scp>, Pericytes and the Pathogenesis of Idiopathic Basal Ganglia Calcification (<scp>IBGC</scp>). <i>Brain Pathology</i> , 2014, 24, 387-395.	2.1	42
92	Mice Lacking Platelet-Derived Growth Factor D Display a Mild Vascular Phenotype. <i>PLoS ONE</i> , 2016, 11, e0152276.	1.1	42
93	CDC42 Deletion Elicits Cerebral Vascular Malformations via Increased MEKK3-Dependent KLF4 Expression. <i>Circulation Research</i> , 2019, 124, 1240-1252.	2.0	42
94	Peri-arterial specification of vascular mural cells from naïve mesenchyme requires Notch signaling. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	42
95	Specific fibroblast subpopulations and neuronal structures provide local sources of Vegfc-processing components during zebrafish lymphangiogenesis. <i>Nature Communications</i> , 2020, 11, 2724.	5.8	42
96	The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. <i>Stem Cell Reports</i> , 2022, 17, 1089-1104.	2.3	41
97	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
98	Sphingosine 1-Phosphate Receptor Signaling Establishes AP-1 Gradients to Allow for Retinal Endothelial Cell Specialization. <i>Developmental Cell</i> , 2020, 52, 779-793.e7.	3.1	38
99	Gpr116 Receptor Regulates Distinctive Functions in Pneumocytes and Vascular Endothelium. <i>PLoS ONE</i> , 2015, 10, e0137949.	1.1	37
100	Expression analysis of platelet-derived growth factor receptor alpha and its ligands in the developing mouse lung. <i>Physiological Reports</i> , 2017, 5, e13092.	0.7	36
101	Platelet-Derived Growth Factor C Deficiency in C57BL/6 Mice Leads to Abnormal Cerebral Vascularization, Loss of Neuroependymal Integrity, and Ventricular Abnormalities. <i>American Journal of Pathology</i> , 2012, 180, 1136-1144.	1.9	34
102	Sphingosine 1-phosphate-regulated transcriptomes in heterogenous arterial and lymphatic endothelium of the aorta. <i>ELife</i> , 2020, 9, .	2.8	34
103	Analogous alternative splicing. <i>Nature</i> , 1990, 344, 299-299.	13.7	33
104	The Ion Channel and GPCR Toolkit of Brain Capillary Pericytes. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 601324.	1.8	33
105	Lmx1b and FoxC Combinatorially Regulate Podocin Expression in Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2764-2777.	3.0	30
106	Lipid transport and human brain development. <i>Nature Genetics</i> , 2015, 47, 699-701.	9.4	30
107	A role for PDGF-C/PDGFR β signaling in the formation of the meningeal basement membranes surrounding the cerebral cortex. <i>Biology Open</i> , 2016, 5, 461-474.	0.6	26
108	Vascular PDGFR-alpha protects against BBB dysfunction after stroke in mice. <i>Angiogenesis</i> , 2021, 24, 35-46.	3.7	26

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109	Characterization of Platelet-Derived Growth Factor-A Expression in Mouse Tissues Using a lacZ Knock-In Approach. <i>PLoS ONE</i> , 2014, 9, e105477.	1.1	25
110	Angiotensin-1 deficiency increases renal capillary rarefaction and tubulointerstitial fibrosis in mice. <i>PLoS ONE</i> , 2018, 13, e0189433.	1.1	25
111	Adult-induced genetic ablation distinguishes PDGFB roles in blood-brain barrier maintenance and development. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 264-279.	2.4	25
112	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. <i>Cell Reports</i> , 2020, 31, 107699.	2.9	23
113	Molecular insights into the early stage of glomerular injury in IgA nephropathy using single-cell RNA sequencing. <i>Kidney International</i> , 2022, 101, 752-765.	2.6	23
114	Cell-cell signaling in blood vessel development and function. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	20
115	ADAMTS18+ villus tip telocytes maintain a polarized VEGFA signaling domain and fenestrations in nutrient-absorbing intestinal blood vessels. <i>Nature Communications</i> , 2022, 13, .	5.8	20
116	Prolonged systemic hyperglycemia does not cause pericyte loss and permeability at the mouse blood-brain barrier. <i>Scientific Reports</i> , 2018, 8, 17462.	1.6	19
117	Sprouting and anastomosis in the <i>Drosophila</i> trachea and the vertebrate vasculature: Similarities and differences in cell behaviour. <i>Vascular Pharmacology</i> , 2019, 112, 8-16.	1.0	19
118	Conserved and context-dependent roles for pdgfrb signaling during zebrafish vascular mural cell development. <i>Developmental Biology</i> , 2021, 479, 11-22.	0.9	19
119	A novel podocyte gene, semaphorin 3G, protects glomerular podocyte from lipopolysaccharide-induced inflammation. <i>Scientific Reports</i> , 2016, 6, 25955.	1.6	18
120	Astrocyte-microglial association and matrix composition are common events in the natural history of primary familial brain calcification. <i>Brain Pathology</i> , 2020, 30, 446-464.	2.1	18
121	Lim Domain Binding 2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2068-2077.	1.1	17
122	Single-Cell mRNA Sequencing of the Mouse Brain Vasculature. <i>Methods in Molecular Biology</i> , 2018, 1846, 309-324.	0.4	16
123	KCNJ8/ABCC9-containing K-ATP channel modulates brain vascular smooth muscle development and neurovascular coupling. <i>Developmental Cell</i> , 2022, 57, 1383-1399.e7.	3.1	16
124	Mural Cell SRF Controls Pericyte Migration, Vessel Patterning and Blood Flow. <i>Circulation Research</i> , 2022, 131, 308-327.	2.0	15
125	Schip1 Is a Novel Podocyte Foot Process Protein that Mediates Actin Cytoskeleton Rearrangements and Forms a Complex with Nherf2 and Ezrin. <i>PLoS ONE</i> , 2015, 10, e0122067.	1.1	14
126	Increased flux of the plant sterols campesterol and sitosterol across a disrupted blood brain barrier. <i>Steroids</i> , 2015, 99, 183-188.	0.8	14

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127	The Glomerular Transcriptome and Proteome. <i>Nephron Experimental Nephrology</i> , 2007, 106, e32-e36.	2.4	12
128	An overlooked subset of Cx3cr1wt/wt microglia in the Cx3cr1CreER-Eyfp/wt mouse has a repopulation advantage over Cx3cr1CreER-Eyfp/wt microglia following microglial depletion. <i>Journal of Neuroinflammation</i> , 2022, 19, 20.	3.1	12
129	Lung developmental arrest caused by PDGF-A deletion: consequences for the adult mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L831-L843.	1.3	11
130	Lack of Flvcr2 impairs brain angiogenesis without affecting the blood-brain barrier. <i>Journal of Clinical Investigation</i> , 2020, 130, 4055-4068.	3.9	11
131	GPIHBP1 expression in gliomas promotes utilization of lipoprotein-derived nutrients. <i>ELife</i> , 2019, 8, .	2.8	10
132	R3hdml regulates satellite cell proliferation and differentiation. <i>EMBO Reports</i> , 2019, 20, e47957.	2.0	9
133	The infantile myofibromatosis NOTCH3 L1519P mutation leads to hyperactivated ligand-independent Notch signaling and increased PDGFRB expression. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	9
134	Islet Amyloid Polypeptide—Hen or EGG in Type 2 Diabetes Pathogenesis?. <i>Acta Oncologica</i> , 1993, 32, 149-154.	0.8	8
135	Analysis of Mice Lacking the Heparin-Binding Splice Isoform of Platelet-Derived Growth Factor A. <i>Molecular and Cellular Biology</i> , 2013, 33, 4030-4040.	1.1	8
136	Isoform-Specific Modulation of Inflammation Induced by Adenoviral Mediated Delivery of Platelet-Derived Growth Factors in the Adult Mouse Heart. <i>PLoS ONE</i> , 2016, 11, e0160930.	1.1	8
137	An Endothelial Gene Signature Score Predicts Poor Outcome in Patients with Endocrine-Treated, Low Genomic Grade Breast Tumors. <i>Clinical Cancer Research</i> , 2016, 22, 2417-2426.	3.2	8
138	Pharmacokinetics of pericyte involvement in small-molecular drug transport across the blood-brain barrier. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 77-84.	1.9	8
139	Extracellular retention of PDGF-B directs vascular remodeling in mouse hypoxia-induced pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L593-L605.	1.3	8
140	Integrative analysis of loss-of-function variants in clinical and genomic data reveals novel genes associated with cardiovascular traits. <i>BMC Medical Genomics</i> , 2019, 12, 108.	0.7	8
141	A human cell type similar to murine central nervous system perivascular fibroblasts. <i>Experimental Cell Research</i> , 2021, 402, 112576.	1.2	8
142	Development of renal renin-expressing cells does not involve PDGF-B-PDGFR- α signaling. <i>Physiological Reports</i> , 2013, 1, e00132.	0.7	7
143	Wtip- and Gadd45a-Interacting Protein Dendrin Is Not Crucial for the Development or Maintenance of the Glomerular Filtration Barrier. <i>PLoS ONE</i> , 2013, 8, e83133.	1.1	7
144	Inverse correlation between vascular endothelial growth factor back-filtration and capillary filtration pressures. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 1514-1525.	0.4	7

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145	ELTD1 deletion reduces vascular abnormality and improves T-cell recruitment after PD-1 blockade in glioma. <i>Neuro-Oncology</i> , 2022, 24, 398-411.	0.6	7
146	Oligodendrocytes follow blood vessel trails in the brain. <i>Science</i> , 2016, 351, 341-342.	6.0	6
147	Pericyte dysfunction due to Shb gene deficiency increases B16F10 melanoma lung metastasis. <i>International Journal of Cancer</i> , 2020, 147, 2634-2644.	2.3	6
148	Proper migration of lymphatic endothelial cells requires survival and guidance cues from arterial mural cells. <i>ELife</i> , 2022, 11, .	2.8	6
149	Knockdown of Tmem234 in zebrafish results in proteinuria. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F955-F966.	1.3	5
150	Rate of small-molecular drug transport across the blood-brain barrier in a pericyte-deficient state. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 182-187.	1.9	4
151	A Switch from Cell-Associated to Soluble PDGF-B Protects against Atherosclerosis, despite Driving Extramedullary Hematopoiesis. <i>Cells</i> , 2021, 10, 1746.	1.8	4
152	A novel podocyte protein, R3h domain containing-like, inhibits TGF- β 2-induced p38 MAPK and regulates the structure of podocytes and glomerular basement membrane. <i>Journal of Molecular Medicine</i> , 2021, 99, 859-876.	1.7	3
153	The role of Dendrin in IgA Nephropathy. <i>Nephrology Dialysis Transplantation</i> , 0, , .	0.4	3
154	Impaired induction of blood-brain barrier properties in aortic endothelial cells by astrocytes from GFAB-deficient mice. , 1998, 22, 390.		1
155	Chair's Introduction. <i>Novartis Foundation Symposium</i> , 2007, , 1-3.	1.2	0
156	Endothelial guidance in vascular patterning. <i>FASEB Journal</i> , 2007, 21, A133.	0.2	0