

Peter Carmeliet

List of Publications by Year in descending order

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751
papers

130,048
citations

90

168
h-index

135

332
g-index

781
all docs

781
docs citations

781
times ranked

111434
citing authors

#	ARTICLE	IF	CITATIONS
1	Angiogenesis in cancer and other diseases. <i>Nature</i> , 2000, 407, 249-257.	13.7	7,977
2	Molecular mechanisms and clinical applications of angiogenesis. <i>Nature</i> , 2011, 473, 298-307.	13.7	4,403
3	Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. <i>Nature</i> , 1996, 380, 435-439.	13.7	3,776
4	Angiogenesis in health and disease. <i>Nature Medicine</i> , 2003, 9, 653-660.	15.2	3,726
5	Mechanisms of angiogenesis and arteriogenesis. <i>Nature Medicine</i> , 2000, 6, 389-395.	15.2	3,709
6	Angiogenesis in life, disease and medicine. <i>Nature</i> , 2005, 438, 932-936.	13.7	3,097
7	Role of HIF-1 α in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. <i>Nature</i> , 1998, 394, 485-490.	13.7	2,565
8	Basic and Therapeutic Aspects of Angiogenesis. <i>Cell</i> , 2011, 146, 873-887.	13.5	2,263
9	PHD1 controls muscle mTORC1 in a hydroxylation-independent manner by stabilizing leucyl tRNA synthetase. <i>Nature Communications</i> , 2020, 11, 174.	5.8	1,868
10	Hypoxia and Inflammation. <i>New England Journal of Medicine</i> , 2011, 364, 656-665.	13.9	1,692
11	Synergism between vascular endothelial growth factor and placental growth factor contributes to angiogenesis and plasma extravasation in pathological conditions. <i>Nature Medicine</i> , 2001, 7, 575-583.	15.2	1,484
12	VEGF as a Key Mediator of Angiogenesis in Cancer. <i>Oncology</i> , 2005, 69, 4-10.	0.9	1,363
13	Principles and mechanisms of vessel normalization for cancer and other angiogenic diseases. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 417-427.	21.5	1,345
14	Targeted Deficiency or Cytosolic Truncation of the VE-cadherin Gene in Mice Impairs VEGF-Mediated Endothelial Survival and Angiogenesis. <i>Cell</i> , 1999, 98, 147-157.	13.5	1,167
15	uPAR: a versatile signalling orchestrator. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 932-943.	16.1	1,140
16	Phenotype molding of stromal cells in the lung tumor microenvironment. <i>Nature Medicine</i> , 2018, 24, 1277-1289.	15.2	1,126
17	Role of PFKFB3-Driven Glycolysis in Vessel Sprouting. <i>Cell</i> , 2013, 154, 651-663.	13.5	1,117
18	Physiological consequences of loss of plasminogen activator gene function in mice. <i>Nature</i> , 1994, 368, 419-424.	13.7	1,030

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19	Revascularization of ischemic tissues by PlGF treatment, and inhibition of tumor angiogenesis, arthritis and atherosclerosis by anti-Flt1. <i>Nature Medicine</i> , 2002, 8, 831-840.	15.2	1,008
20	Deletion of the hypoxia-response element in the vascular endothelial growth factor promoter causes motor neuron degeneration. <i>Nature Genetics</i> , 2001, 28, 131-138.	9.4	967
21	Common mechanisms of nerve and blood vessel wiring. <i>Nature</i> , 2005, 436, 193-200.	13.7	954
22	COVID-19: the vasculature unleashed. <i>Nature Reviews Immunology</i> , 2020, 20, 389-391.	10.6	849
23	Molecular mechanisms of blood vessel growth. <i>Cardiovascular Research</i> , 2001, 49, 507-521.	1.8	813
24	VEGF is a modifier of amyotrophic lateral sclerosis in mice and humans and protects motoneurons against ischemic death. <i>Nature Genetics</i> , 2003, 34, 383-394.	9.4	794
25	Gene prioritization through genomic data fusion. <i>Nature Biotechnology</i> , 2006, 24, 537-544.	9.4	787
26	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. <i>Cell</i> , 2020, 180, 764-779.e20.	13.5	755
27	Inhibition of plasminogen activators or matrix metalloproteinases prevents cardiac rupture but impairs therapeutic angiogenesis and causes cardiac failure. <i>Nature Medicine</i> , 1999, 5, 1135-1142.	15.2	745
28	Heterozygous Deficiency of PHD2 Restores Tumor Oxygenation and Inhibits Metastasis via Endothelial Normalization. <i>Cell</i> , 2009, 136, 839-851.	13.5	727
29	Anti-PlGF Inhibits Growth of VEGF(R)-Inhibitor-Resistant Tumors without Affecting Healthy Vessels. <i>Cell</i> , 2007, 131, 463-475.	13.5	722
30	A Sertoli cell-selective knockout of the androgen receptor causes spermatogenic arrest in meiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1327-1332.	3.3	703
31	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. <i>Nature Medicine</i> , 2003, 9, 936-943.	15.2	699
32	Loss of HIF-2 α and inhibition of VEGF impair fetal lung maturation, whereas treatment with VEGF prevents fatal respiratory distress in premature mice. <i>Nature Medicine</i> , 2002, 8, 702-710.	15.2	680
33	The proteolytic activity of tissue-plasminogen activator enhances NMDA receptor-mediated signaling. <i>Nature Medicine</i> , 2001, 7, 59-64.	15.2	678
34	Role of tissue factor in embryonic blood vessel development. <i>Nature</i> , 1996, 383, 73-75.	13.7	646
35	Molecular mechanisms of lymphangiogenesis in health and disease. <i>Cancer Cell</i> , 2002, 1, 219-227.	7.7	638
36	Absence of host plasminogen activator inhibitor 1 prevents cancer invasion and vascularization. <i>Nature Medicine</i> , 1998, 4, 923-928.	15.2	635

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37	HRC Inhibits Tumor Growth and Metastasis by Inducing Macrophage Polarization and Vessel Normalization through Downregulation of PlGF. <i>Cancer Cell</i> , 2011, 19, 31-44.	7.7	628
38	Urokinase-generated plasmin activates matrix metalloproteinases during aneurysm formation. <i>Nature Genetics</i> , 1997, 17, 439-444.	9.4	621
39	Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. <i>Nature Medicine</i> , 1999, 5, 495-502.	15.2	618
40	In vivo measurement of gene expression, angiogenesis and physiological function in tumors using multiphoton laser scanning microscopy. <i>Nature Medicine</i> , 2001, 7, 864-868.	15.2	600
41	VEGF delivery with retrogradely transported lentivector prolongs survival in a mouse ALS model. <i>Nature</i> , 2004, 429, 413-417.	13.7	569
42	Duodenal calcium absorption in vitamin D receptor-knockout mice: Functional and molecular aspects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 13324-13329.	3.3	531
43	Recent molecular discoveries in angiogenesis and antiangiogenic therapies in cancer. <i>Journal of Clinical Investigation</i> , 2013, 123, 3190-3200.	3.9	527
44	Tumour hypoxia causes DNA hypermethylation by reducing TET activity. <i>Nature</i> , 2016, 537, 63-68.	13.7	521
45	Variants of the elongator protein 3 (ELP3) gene are associated with motor neuron degeneration. <i>Human Molecular Genetics</i> , 2009, 18, 472-481.	1.4	512
46	FLT1 and its ligands VEGFB and PlGF: drug targets for anti-angiogenic therapy?. <i>Nature Reviews Cancer</i> , 2008, 8, 942-956.	12.8	504
47	Modification of kidney barrier function by the urokinase receptor. <i>Nature Medicine</i> , 2008, 14, 55-63.	15.2	501
48	Renal Cyst Formation in Fh1-Deficient Mice Is Independent of the Hif/Phd Pathway: Roles for Fumarate in KEAP1 Succination and Nrf2 Signaling. <i>Cancer Cell</i> , 2011, 20, 524-537.	7.7	494
49	The netrin receptor UNC5B mediates guidance events controlling morphogenesis of the vascular system. <i>Nature</i> , 2004, 432, 179-186.	13.7	486
50	VEGF: once regarded as a specific angiogenic factor, now implicated in neuroprotection. <i>BioEssays</i> , 2004, 26, 943-954.	1.2	476
51	Fatty acid carbon is essential for dNTP synthesis in endothelial cells. <i>Nature</i> , 2015, 520, 192-197.	13.7	466
52	Treatment of motoneuron degeneration by intracerebroventricular delivery of VEGF in a rat model of ALS. <i>Nature Neuroscience</i> , 2005, 8, 85-92.	7.1	464
53	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. <i>Cancer Cell</i> , 2016, 30, 968-985.	7.7	464
54	Endothelial Cell Metabolism in Normal and Diseased Vasculature. <i>Circulation Research</i> , 2015, 116, 1231-1244.	2.0	462

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55	Blood vessels and nerves: common signals, pathways and diseases. <i>Nature Reviews Genetics</i> , 2003, 4, 710-720.	7.7	456
56	Protective Role of Reactive Astrocytes in Brain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 468-481.	2.4	441
57	FOXO1 couples metabolic activity and growth state in the vascular endothelium. <i>Nature</i> , 2016, 529, 216-220.	13.7	438
58	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. <i>Nature Genetics</i> , 2008, 40, 170-180.	9.4	433
59	Partial and Transient Reduction of Glycolysis by PFKFB3 Blockade Reduces Pathological Angiogenesis. <i>Cell Metabolism</i> , 2014, 19, 37-48.	7.2	429
60	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	3.7	429
61	A vascular niche and a VEGF-Nrp1 loop regulate the initiation and stemness of skin tumours. <i>Nature</i> , 2011, 478, 399-403.	13.7	410
62	Deficiency or inhibition of Gas6 causes platelet dysfunction and protects mice against thrombosis. <i>Nature Medicine</i> , 2001, 7, 215-221.	15.2	396
63	VE-Cadherin-Cre-recombinase transgenic mouse: A tool for lineage analysis and gene deletion in endothelial cells. <i>Developmental Dynamics</i> , 2006, 235, 759-767.	0.8	391
64	Impaired angiogenesis and endochondral bone formation in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. <i>Mechanisms of Development</i> , 2002, 111, 61-73.	1.7	390
65	Role and Therapeutic Potential of VEGF in the Nervous System. <i>Physiological Reviews</i> , 2009, 89, 607-648.	13.1	385
66	Metabolism of stromal and immune cells in health and disease. <i>Nature</i> , 2014, 511, 167-176.	13.7	377
67	Progranulin functions as a neurotrophic factor to regulate neurite outgrowth and enhance neuronal survival. <i>Journal of Cell Biology</i> , 2008, 181, 37-41.	2.3	376
68	Regulation of Angiogenesis by Oxygen and Metabolism. <i>Developmental Cell</i> , 2009, 16, 167-179.	3.1	361
69	Silencing or Fueling Metastasis with VEGF Inhibitors: Antiangiogenesis Revisited. <i>Cancer Cell</i> , 2009, 15, 167-170.	7.7	360
70	PR39, a peptide regulator of angiogenesis. <i>Nature Medicine</i> , 2000, 6, 49-55.	15.2	359
71	Tumor Vessel Normalization by Chloroquine Independent of Autophagy. <i>Cancer Cell</i> , 2014, 26, 190-206.	7.7	358
72	Conditional switching of VEGF provides new insights into adult neovascularization and pro-angiogenic therapy. <i>EMBO Journal</i> , 2002, 21, 1939-1947.	3.5	355

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73	Plasminogen activator inhibitor-1 gene-deficient mice. II. Effects on hemostasis, thrombosis, and thrombolysis.. Journal of Clinical Investigation, 1993, 92, 2756-2760.	3.9	354
74	Macrophage Metabolism Controls Tumor Blood Vessel Morphogenesis and Metastasis. Cell Metabolism, 2016, 24, 701-715.	7.2	352
75	Endothelial Cell Metabolism. Physiological Reviews, 2018, 98, 3-58.	13.1	351
76	Tumor Hypoxia Does Not Drive Differentiation of Tumor-Associated Macrophages but Rather Fine-Tunes the M2-like Macrophage Population. Cancer Research, 2014, 74, 24-30.	0.4	348
77	VEGF gene therapy: stimulating angiogenesis or angioma-genesis?. Nature Medicine, 2000, 6, 1102-1103.	15.2	340
78	Arteriolar and venular patterning in retinas of mice selectively expressing VEGF isoforms. Journal of Clinical Investigation, 2002, 109, 327-336.	3.9	340
79	Effects of Disruption of The Plasminogen Gene on Thrombosis, Growth, and Health in Mice. Circulation, 1995, 92, 2585-2593.	1.6	339
80	Mechanisms of Vessel Branching. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 639-649.	1.1	328
81	Regulation of angiogenesis by tissue factor cytoplasmic domain signaling. Nature Medicine, 2004, 10, 502-509.	15.2	326
82	Mice lacking the gene encoding tissue-type plasminogen activator show a selective interference with late-phase long-term potentiation in both Schaffer collateral and mossy fiber pathways.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8699-8704.	3.3	323
83	Plasminogen activator inhibitor-1 gene-deficient mice. I. Generation by homologous recombination and characterization.. Journal of Clinical Investigation, 1993, 92, 2746-2755.	3.9	322
84	Role of Endothelial Cell Metabolism in Vessel Sprouting. Cell Metabolism, 2013, 18, 634-647.	7.2	320
85	Neurovascular signalling defects in neurodegeneration. Nature Reviews Neuroscience, 2008, 9, 169-181.	4.9	316
86	Placental growth factor and its receptor, vascular endothelial growth factor receptor-1: novel targets for stimulation of ischemic tissue revascularization and inhibition of angiogenic and inflammatory disorders. Journal of Thrombosis and Haemostasis, 2003, 1, 1356-1370.	1.9	312
87	VEGF and PlGF promote adult vasculogenesis by enhancing EPC recruitment and vessel formation at the site of tumor neovascularization. FASEB Journal, 2006, 20, 1495-1497.	0.2	309
88	Markers of Response for the Antiangiogenic Agent Bevacizumab. Journal of Clinical Oncology, 2013, 31, 1219-1230.	0.8	309
89	The Plasminogen Activator Inhibitor PAI-1 Controls in Vivo Tumor Vascularization by Interaction with Proteases, Not Vitronectin. Journal of Cell Biology, 2001, 152, 777-784.	2.3	307
90	Transcription Factor Hepatocyte Nuclear Factor 6 Regulates Pancreatic Endocrine Cell Differentiation and Controls Expression of the Proendocrine Gene ngn3. Molecular and Cellular Biology, 2000, 20, 4445-4454.	1.1	306

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91	Inhibition of oxygen sensors as a therapeutic strategy for ischaemic and inflammatory disease. <i>Nature Reviews Drug Discovery</i> , 2009, 8, 139-152.	21.5	302
92	Placental Growth Factor, a Member of the VEGF Family, Contributes to the Development of Choroidal Neovascularization. , 2003, 44, 3186.		296
93	CXCL12 and vascular endothelial growth factor synergistically induce neoangiogenesis in human ovarian cancers. <i>Cancer Research</i> , 2005, 65, 465-72.	0.4	295
94	VEGF: A modifier of the del22q11 (DiGeorge) syndrome?. <i>Nature Medicine</i> , 2003, 9, 173-182.	15.2	288
95	Vitamin D receptor in chondrocytes promotes osteoclastogenesis and regulates FGF23 production in osteoblasts. <i>Journal of Clinical Investigation</i> , 2006, 116, 3150-3159.	3.9	287
96	Tanycytic VEGF-A Boosts Blood-Hypothalamus Barrier Plasticity and Access of Metabolic Signals to the Arcuate Nucleus in Response to Fasting. <i>Cell Metabolism</i> , 2013, 17, 607-617.	7.2	285
97	VEGFR-1 Selective VEGF Homologue PlGF Is Arteriogenic. <i>Circulation Research</i> , 2003, 92, 378-385.	2.0	284
98	Production of Interleukin-6 by Folliculo-Stellate Cells of the Anterior Pituitary Gland in a Histiotypic Cell Aggregate Culture System. <i>Neuroendocrinology</i> , 1989, 49, 102-106.	1.2	276
99	Loss of Matrix Metalloproteinase-9 or Matrix Metalloproteinase-12 Protects Apolipoprotein E Deficient Mice Against Atherosclerotic Media Destruction but Differentially Affects Plaque Growth. <i>Circulation</i> , 2004, 109, 1408-1414.	1.6	273
100	Dendritic Cell Subsets Differentially Regulate Angiogenesis in Human Ovarian Cancer. <i>Cancer Research</i> , 2004, 64, 5535-5538.	0.4	270
101	A mouse model for Zellweger syndrome. <i>Nature Genetics</i> , 1997, 17, 49-57.	9.4	267
102	Increased Cardiac Expression of Tissue Inhibitor of Metalloproteinase-1 and Tissue Inhibitor of Metalloproteinase-2 Is Related to Cardiac Fibrosis and Dysfunction in the Chronic Pressure-Overloaded Human Heart. <i>Circulation</i> , 2005, 112, 1136-1144.	1.6	267
103	Heterozygous deficiency of hypoxia-inducible factor-2 protects mice against pulmonary hypertension and right ventricular dysfunction during prolonged hypoxia. <i>Journal of Clinical Investigation</i> , 2003, 111, 1519-1527.	3.9	267
104	Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging. <i>Cell Stem Cell</i> , 2018, 22, 769-778.e4.	5.2	266
105	Histamine Receptor H1 Mediated Sensitization of TRPV1 Mediates Visceral Hypersensitivity and Symptoms in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2016, 150, 875-887.e9.	0.6	263
106	The pro- or antiangiogenic effect of plasminogen activator inhibitor 1 is dose dependent. <i>FASEB Journal</i> , 2002, 16, 147-154.	0.2	260
107	The Link Between Angiogenesis and Endothelial Metabolism. <i>Annual Review of Physiology</i> , 2017, 79, 43-66.	5.6	257
108	The FGF system has a key role in regulating vascular integrity. <i>Journal of Clinical Investigation</i> , 2008, 118, 3355-3366.	3.9	257

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109	FGF-dependent metabolic control of vascular development. <i>Nature</i> , 2017, 545, 224-228.	13.7	256
110	Hallmarks of Endothelial Cell Metabolism in Health and Disease. <i>Cell Metabolism</i> , 2019, 30, 414-433.	7.2	255
111	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. <i>Cancer Cell</i> , 2020, 37, 21-36.e13.	7.7	253
112	Antiangiogenic therapy, hypoxia, and metastasis: risky liaisons, or not?. <i>Nature Reviews Clinical Oncology</i> , 2011, 8, 393-404.	12.5	252
113	Vascular endothelial growth factor: a neurovascular target in neurological diseases. <i>Nature Reviews Neurology</i> , 2016, 12, 439-454.	4.9	252
114	Oxygen Sensors at the Crossroad of Metabolism. <i>Cell Metabolism</i> , 2009, 9, 11-22.	7.2	251
115	Basic and Therapeutic Aspects of Angiogenesis Updated. <i>Circulation Research</i> , 2020, 127, 310-329.	2.0	251
116	Vascular endothelial growth factor is an important determinant of sepsis morbidity and mortality. <i>Journal of Experimental Medicine</i> , 2006, 203, 1447-1458.	4.2	249
117	A Fatty Acid Oxidation-Dependent Metabolic Shift Regulates Adult Neural Stem Cell Activity. <i>Cell Reports</i> , 2017, 20, 2144-2155.	2.9	247
118	Inhibition of Hypoxia Inducible Factor Hydroxylases Protects Against Renal Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 39-46.	3.0	246
119	Further Pharmacological and Genetic Evidence for the Efficacy of PlGF Inhibition in Cancer and Eye Disease. <i>Cell</i> , 2010, 141, 178-190.	13.5	243
120	Abrupt rate accelerations or premature beats cause life-threatening arrhythmias in mice with long-QT3 syndrome. <i>Nature Medicine</i> , 2001, 7, 1021-1027.	15.2	240
121	The role of fatty acid β -oxidation in lymphangiogenesis. <i>Nature</i> , 2017, 542, 49-54.	13.7	240
122	Antiangiogenic treatment with Sunitinib ameliorates inflammatory infiltrate, fibrosis, and portal pressure in cirrhotic rats. <i>Hepatology</i> , 2007, 46, 1919-1926.	3.6	236
123	TRPA1 underlies a sensing mechanism for O ₂ . <i>Nature Chemical Biology</i> , 2011, 7, 701-711.	3.9	235
124	Vascular and neuronal effects of VEGF in the nervous system: implications for neurological disorders. <i>Seminars in Cell and Developmental Biology</i> , 2002, 13, 39-53.	2.3	234
125	Molecular Basis of Angiogenesis: Role of VEGF and VE-cadherin. <i>Annals of the New York Academy of Sciences</i> , 2000, 902, 249-264.	1.8	233
126	Endothelial Lactate Controls Muscle Regeneration from Ischemia by Inducing M2-like Macrophage Polarization. <i>Cell Metabolism</i> , 2020, 31, 1136-1153.e7.	7.2	233

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127	Mice lacking factor VII develop normally but suffer fatal perinatal bleeding. <i>Nature</i> , 1997, 390, 290-294.	13.7	230
128	The Neurovascular Link in Health and Disease: Molecular Mechanisms and Therapeutic Implications. <i>Neuron</i> , 2011, 71, 406-424.	3.8	230
129	Arteriolar and venular patterning in retinas of mice selectively expressing VEGF isoforms. <i>Journal of Clinical Investigation</i> , 2002, 109, 327-336.	3.9	229
130	Vitamin D3 Induces Tolerance in Human Dendritic Cells by Activation of Intracellular Metabolic Pathways. <i>Cell Reports</i> , 2015, 10, 711-725.	2.9	228
131	Function of the Plasminogen/Plasmin and Matrix Metalloproteinase Systems After Vascular Injury in Mice With Targeted Inactivation of Fibrinolytic System Genes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 1035-1045.	1.1	223
132	Mechanisms of Resistance to Anti-Angiogenic Therapy and Development of Third-Generation Anti-Angiogenic Drug Candidates. <i>Genes and Cancer</i> , 2010, 1, 12-25.	0.6	223
133	Fibrinogen drives dystrophic muscle fibrosis via a TGF β ² /alternative macrophage activation pathway. <i>Genes and Development</i> , 2008, 22, 1747-1752.	2.7	222
134	Soluble VEGF isoforms are essential for establishing epiphyseal vascularization and regulating chondrocyte development and survival. <i>Journal of Clinical Investigation</i> , 2004, 113, 188-199.	3.9	220
135	Plasminogen Deficiency Differentially Affects Recruitment of Inflammatory Cell Populations in Mice. <i>Blood</i> , 1998, 91, 2005-2009.	0.6	216
136	Endothelial cell O-glycan deficiency causes blood/lymphatic misconnections and consequent fatty liver disease in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3725-3737.	3.9	216
137	VEGF Receptor 2 Endocytic Trafficking Regulates Arterial Morphogenesis. <i>Developmental Cell</i> , 2010, 18, 713-724.	3.1	213
138	A genetic <i>Xenopus laevis</i> tadpole model to study lymphangiogenesis. <i>Nature Medicine</i> , 2005, 11, 998-1004.	15.2	212
139	Role of Gas6 receptors in platelet signaling during thrombus stabilization and implications for antithrombotic therapy. <i>Journal of Clinical Investigation</i> , 2005, 115, 237-246.	3.9	210
140	Targeting Placental Growth Factor/Neuropilin 1 Pathway Inhibits Growth and Spread of Medulloblastoma. <i>Cell</i> , 2013, 152, 1065-1076.	13.5	209
141	Endothelial Cell Metabolism in Health and Disease. <i>Trends in Cell Biology</i> , 2018, 28, 224-236.	3.6	208
142	Hypoxia-Inducible Factors 1 α and 2 α Regulate Trophoblast Differentiation. <i>Molecular and Cellular Biology</i> , 2005, 25, 10479-10491.	1.1	202
143	Abnormal B lymphocyte development and autoimmunity in hypoxia-inducible factor 1 α -deficient chimeric mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2170-2174.	3.3	200
144	Inhibitory Role of Plasminogen Activator Inhibitor-1 in Arterial Wound Healing and Neointima Formation. <i>Circulation</i> , 1997, 96, 3180-3191.	1.6	200

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145	VEGF: a critical player in neurodegeneration. <i>Journal of Clinical Investigation</i> , 2004, 113, 14-18.	3.9	198
146	Vascular endothelial growth factor (VEGF) modulation by targeting hypoxia-inducible factor-1alpha-> hypoxia response element-> VEGF cascade differentially regulates vascular response and growth rate in tumors. <i>Cancer Research</i> , 2000, 60, 6248-52.	0.4	196
147	Placental Growth Factor (PlGF) and Its Receptor Flt-1 (VEGFR-1). <i>Annals of the New York Academy of Sciences</i> , 2002, 979, 80-93.	1.8	195
148	The European dimension for the mouse genome mutagenesis program. <i>Nature Genetics</i> , 2004, 36, 925-927.	9.4	195
149	Activation of the UNC5B receptor by Netrin-1 inhibits sprouting angiogenesis. <i>Genes and Development</i> , 2007, 21, 2433-2447.	2.7	195
150	Branching morphogenesis and antiangiogenesis candidates: tip cells lead the way. <i>Nature Reviews Clinical Oncology</i> , 2009, 6, 315-326.	12.5	195
151	Identification of MicroRNA-124 as a Major Regulator of Enhanced Endothelial Cell Glycolysis in Pulmonary Arterial Hypertension via PTBP1 (Polypyrimidine Tract Binding Protein) and Pyruvate Kinase M2. <i>Circulation</i> , 2017, 136, 2451-2467.	1.6	195
152	Role of glutamine and interlinked asparagine metabolism in vessel formation. <i>EMBO Journal</i> , 2017, 36, 2334-2352.	3.5	195
153	Regulation of Arterial Thrombolysis by Plasminogen Activator Inhibitor-1 in Mice. <i>Circulation</i> , 1998, 97, 1002-1008.	1.6	193
154	Astrocytes regulate GluR2 expression in motor neurons and their vulnerability to excitotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14825-14830.	3.3	193
155	Plasminogen and Plasminogen Activators Protect against Renal Injury in Crescentic Glomerulonephritis. <i>Journal of Experimental Medicine</i> , 1997, 185, 963-968.	4.2	190
156	Endothelial cell metabolism in health and disease: impact of hypoxia. <i>EMBO Journal</i> , 2017, 36, 2187-2203.	3.5	186
157	Increased skeletal VEGF enhances β -catenin activity and results in excessively ossified bones. <i>EMBO Journal</i> , 2010, 29, 424-441.	3.5	184
158	MicroRNA Profiling Identifies MicroRNA-155 as an Adverse Mediator of Cardiac Injury and Dysfunction During Acute Viral Myocarditis. <i>Circulation Research</i> , 2012, 111, 415-425.	2.0	184
159	Plasminogen Activator Inhibitor-1 Is a Major Determinant of Arterial Thrombolysis Resistance. <i>Circulation</i> , 1999, 99, 3050-3055.	1.6	182
160	Inactivation of the Peroxisomal Multifunctional Protein-2 in Mice Impedes the Degradation of Not Only 2-Methyl-branched Fatty Acids and Bile Acid Intermediates but Also of Very Long Chain Fatty Acids. <i>Journal of Biological Chemistry</i> , 2000, 275, 16329-16336.	1.6	180
161	Absence of SPARC results in increased cardiac rupture and dysfunction after acute myocardial infarction. <i>Journal of Experimental Medicine</i> , 2009, 206, 113-123.	4.2	180
162	Manipulating angiogenesis in medicine. <i>Journal of Internal Medicine</i> , 2004, 255, 538-561.	2.7	178

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