

# Peter Carmeliet

## List of Publications by Year in descending order

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750  
papers

130,048  
citations

112

168  
h-index

157

332  
g-index

781  
all docs

781  
docs citations

781  
times ranked

121454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering endothelial heterogeneity in health and disease at single-cell resolution: progress and perspectives. <i>Cardiovascular Research</i> , 2023, 119, 6-27.	1.8	19
2	Deficiency of myeloid PHD proteins aggravates atherogenesis via macrophage apoptosis and paracrine fibrotic signalling. <i>Cardiovascular Research</i> , 2022, 118, 1232-1246.	1.8	12
3	Single-cell RNA sequencing profiling of mouse endothelial cells in response to pulmonary arterial hypertension. <i>Cardiovascular Research</i> , 2022, 118, 2519-2534.	1.8	45
4	Identification of vascular cues contributing to cancer cell stemness and function. <i>Angiogenesis</i> , 2022, 25, 355-371.	3.7	8
5	De novo serine synthesis regulates chondrocyte proliferation during bone development and repair. <i>Bone Research</i> , 2022, 10, 14.	5.4	17
6	Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes. <i>ELife</i> , 2022, 11, .	2.8	31
7	Immunomodulation by endothelial cells “partnering up with the immune system?”. <i>Nature Reviews Immunology</i> , 2022, 22, 576-588.	10.6	125
8	Mitochondrial respiration supports autophagy to provide stress resistance during quiescence. <i>Autophagy</i> , 2022, 18, 2409-2426.	4.3	13
9	A Role for the Vascular Endothelium in Post-“Acute COVID-19?. <i>Circulation</i> , 2022, 145, 1503-1505.	1.6	11
10	Lipid droplet degradation by autophagy connects mitochondria metabolism to Prox1-driven expression of lymphatic genes and lymphangiogenesis. <i>Nature Communications</i> , 2022, 13, 2760.	5.8	19
11	PHGDH heterogeneity potentiates cancer cell dissemination and metastasis. <i>Nature</i> , 2022, 605, 747-753.	13.7	77
12	A YAP/TAZ-TEAD signalling module links endothelial nutrient acquisition to angiogenic growth. <i>Nature Metabolism</i> , 2022, 4, 672-682.	5.1	20
13	Endothelial cell heterogeneity and microglia regulons revealed by a pig cell landscape at single-cell level. <i>Nature Communications</i> , 2022, 13, .	5.8	22
14	Endothelial cell heterogeneity and plasticity in health and disease “new insights from single-cell studies. , 2022, , 17-28.		0
15	A Phase I Trial of TB-403 in Relapsed Medulloblastoma, Neuroblastoma, Ewing Sarcoma, and Alveolar Rhabdomyosarcoma. <i>Clinical Cancer Research</i> , 2022, 28, 3950-3957.	3.2	5
16	Transcriptomic analysis of CFTR-impaired endothelial cells reveals a pro-inflammatory phenotype. <i>European Respiratory Journal</i> , 2021, 57, 2000261.	3.1	10
17	Successful double-lung transplantation from a donor previously infected with SARS-CoV-2. <i>Lancet Respiratory Medicine</i> , 2021, 9, 315-318.	5.2	41
18	Neutrophils Fuel Effective Immune Responses through Gluconeogenesis and Glycogenesis. <i>Cell Metabolism</i> , 2021, 33, 411-423.e4.	7.2	84

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19	Phenotypic diversity and metabolic specialization of renal endothelial cells. <i>Nature Reviews Nephrology</i> , 2021, 17, 441-464.	4.1	60
20	Hypoxia-inducible factor-1 $\alpha$ -dependent induction of miR122 enhances hepatic ischemia tolerance. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	33
21	Whole-Body Prolyl Hydroxylase Domain (PHD) 3 Deficiency Increased Plasma Lipids and Hematocrit Without Impacting Plaque Size in Low-Density Lipoprotein Receptor Knockout Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664258.	1.8	3
22	Endothelial metabolism going single. <i>Nature Metabolism</i> , 2021, 3, 593-594.	5.1	2
23	Endothelial cell plasticity at the single-cell level. <i>Angiogenesis</i> , 2021, 24, 311-326.	3.7	48
24	Endothelial Insulin Receptors Promote VEGF-A Signaling via ERK1/2 and Sprouting Angiogenesis. <i>Endocrinology</i> , 2021, 162, .	1.4	20
25	High-fat diet-activated fatty acid oxidation mediates intestinal stemness and tumorigenicity. <i>Cell Reports</i> , 2021, 35, 109212.	2.9	85
26	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. <i>STAR Protocols</i> , 2021, 2, 100489.	0.5	11
27	Tumor vessel co-option probed by single-cell analysis. <i>Cell Reports</i> , 2021, 35, 109253.	2.9	44
28	Partial Inhibition of the 6-Phosphofructo-2-Kinase/Fructose-2,6-Bisphosphatase-3 (PFKFB3) Enzyme in Myeloid Cells Does Not Affect Atherosclerosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 695684.	1.8	4
29	Endothelial CFTR dysfunction and its involvement in the pathogenesis of pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2021, 58, 2101645.	3.1	0
30	Persistence of SARS-CoV-2 RNA in lung tissue after mild COVID-19. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, e78-e79.	5.2	30
31	Hierarchical imaging and computational analysis of three-dimensional vascular network architecture in the entire postnatal and adult mouse brain. <i>Nature Protocols</i> , 2021, 16, 4564-4610.	5.5	23
32	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. <i>STAR Protocols</i> , 2021, 2, 100523.	0.5	7
33	Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. <i>Cell Metabolism</i> , 2021, 33, 1763-1776.e5.	7.2	28
34	Comparative meta-analysis of cystic fibrosis cell models suggests partial endothelial-to-mesenchymal transition. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 876-880.	0.3	2
35	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. <i>STAR Protocols</i> , 2021, 2, 100508.	0.5	12
36	Cardiac Microvascular Endothelial Cells in Pressure Overload-Induced Heart Disease. <i>Circulation: Heart Failure</i> , 2021, 14, e006979.	1.6	20

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37	Tissue factor cytoplasmic domain exacerbates post-infarct left ventricular remodeling via orchestrating cardiac inflammation and angiogenesis. <i>Theranostics</i> , 2021, 11, 9243-9261.	4.6	13
38	The Chemokine-Based Peptide, CXCL9(74-103), Inhibits Angiogenesis by Blocking Heparan Sulfate Proteoglycan-Mediated Signaling of Multiple Endothelial Growth Factors. <i>Cancers</i> , 2021, 13, 5090.	1.7	12
39	Shear Stress Regulation of Endothelial Glycocalyx Structure Is Determined by Glucobiosynthesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 350-364.	1.1	71
40	Homeostasis and transitional activation of regulatory T cells require c-Myc. <i>Science Advances</i> , 2020, 6, eaaw6443.	4.7	59
41	Metabolic Signatures of Distinct Endothelial Phenotypes. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 580-595.	3.1	44
42	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility. <i>Cell Reports</i> , 2020, 32, 107880.	2.9	6
43	c-Rel orchestrates energy-dependent epithelial and macrophage reprogramming in fibrosis. <i>Nature Metabolism</i> , 2020, 2, 1350-1367.	5.1	16
44	DNA methylation repels binding of hypoxia-inducible transcription factors to maintain tumor immunotolerance. <i>Genome Biology</i> , 2020, 21, 182.	3.8	39
45	Macrophage-derived glutamine boosts satellite cells and muscle regeneration. <i>Nature</i> , 2020, 587, 626-631.	13.7	119
46	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. <i>Nucleic Acids Research</i> , 2020, 48, W385-W394.	6.5	43
47	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
48	Role of the GLUT1 Glucose Transporter in Postnatal CNS Angiogenesis and Blood-Brain Barrier Integrity. <i>Circulation Research</i> , 2020, 127, 466-482.	2.0	103
49	Glutamine Metabolism Controls Chondrocyte Identity and Function. <i>Developmental Cell</i> , 2020, 53, 530-544.e8.	3.1	54
50	COVID-19: the vasculature unleashed. <i>Nature Reviews Immunology</i> , 2020, 20, 389-391.	10.6	849
51	Lowering the increased intracellular pH of human-induced pluripotent stem cell-derived endothelial cells induces formation of mature Weibel-Palade bodies. <i>Stem Cells Translational Medicine</i> , 2020, 9, 758-772.	1.6	11
52	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. <i>Nature Communications</i> , 2020, 11, 1393.	5.8	79
53	Basic and Therapeutic Aspects of Angiogenesis Updated. <i>Circulation Research</i> , 2020, 127, 310-329.	2.0	251
54	Lipid availability determines fate of skeletal progenitor cells via SOX9. <i>Nature</i> , 2020, 579, 111-117.	13.7	140

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55	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. <i>Cell</i> , 2020, 180, 764-779.e20.	13.5	755
56	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
57	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
58	Hepatic PPAR $\alpha$ function and lipid metabolic pathways are dysregulated in polymicrobial sepsis. <i>EMBO Molecular Medicine</i> , 2020, 12, e11319.	3.3	34
59	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , 2020, 31, 862-877.e14.	7.2	169
60	Single-Cell RNA Sequencing Reveals Renal Endothelium Heterogeneity and Metabolic Adaptation to Water Deprivation. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 118-138.	3.0	117
61	Glutamine Metabolism in Osteoprogenitors Is Required for Bone Mass Accrual and PTH-Induced Bone Anabolism in Male Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 604-616.	3.1	37
62	Matrix deformations around angiogenic sprouts correlate to sprout dynamics and suggest pulling activity. <i>Angiogenesis</i> , 2020, 23, 315-324.	3.7	40
63	Leigh Syndrome Mouse Model Can Be Rescued by Interventions that Normalize Brain Hyperoxia, but Not HIF Activation. <i>Cell Metabolism</i> , 2019, 30, 824-832.e3.	7.2	83
64	Functional reprogramming of regulatory T cells in the absence of Foxp3. <i>Nature Immunology</i> , 2019, 20, 1208-1219.	7.0	106
65	Myeloid Phd2 Knockdown Drives Macrophage Apoptosis And Paracrine Fibroblast/Smooth Muscle Cell Collagen Secretion Leading To Atherosclerotic Plaque Fibrosis. <i>Atherosclerosis</i> , 2019, 287, e10.	0.4	0
66	Adult Pgf $\alpha$ / $\beta$ mice behaviour and neuroanatomy are altered by neonatal treatment with recombinant placental growth factor. <i>Scientific Reports</i> , 2019, 9, 9285.	1.6	10
67	Role and therapeutic potential of dietary ketone bodies in lymph vessel growth. <i>Nature Metabolism</i> , 2019, 1, 666-675.	5.1	45
68	PKM2 regulates endothelial cell junction dynamics and angiogenesis via ATP production. <i>Scientific Reports</i> , 2019, 9, 15022.	1.6	34
69	P021 CFTR loss of function leads to increased ROS and endothelial dysfunction. <i>Journal of Cystic Fibrosis</i> , 2019, 18, S62-S63.	0.3	0
70	Partial Inhibition Of The Key Glycolytic Enzyme Pfkfb3 In Myeloid Cells Impacts Whole-Body Immune Cell And Liver Metabolism, But Not Atherogenesis.. <i>Atherosclerosis</i> , 2019, 287, e19-e20.	0.4	1
71	Closing the Mitochondrial Permeability Transition Pore in hiPSC-Derived Endothelial Cells Induces Glycocalyx Formation and Functional Maturation. <i>Stem Cell Reports</i> , 2019, 13, 803-816.	2.3	15
72	Glomerular Function and Structural Integrity Depend on Hyaluronan Synthesis by Glomerular Endothelium. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1886-1897.	3.0	55

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73	Hallmarks of Endothelial Cell Metabolism in Health and Disease. <i>Cell Metabolism</i> , 2019, 30, 414-433.	7.2	255
74	Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. <i>Nature Communications</i> , 2019, 10, 4147.	5.8	41
75	Analysis of Endothelial Fatty Acid Metabolism Using Tracer Metabolomics. <i>Methods in Molecular Biology</i> , 2019, 1978, 259-268.	0.4	2
76	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. <i>Cell</i> , 2019, 177, 1201-1216.e19.	13.5	100
77	IL4R $\beta$ Signaling Abrogates Hypoxic Neutrophil Survival and Limits Acute Lung Injury Responses <i>In Vivo</i> . <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 235-246.	2.5	33
78	Metabolic Pathways Fueling the Endothelial Cell Drive. <i>Annual Review of Physiology</i> , 2019, 81, 483-503.	5.6	91
79	The metabolic engine of endothelial cells. <i>Nature Metabolism</i> , 2019, 1, 937-946.	5.1	70
80	Stromal Gas6 promotes the progression of premalignant mammary cells. <i>Oncogene</i> , 2019, 38, 2437-2450.	2.6	50
81	Prominin $\beta$ controls stem cell activation by orchestrating ciliary dynamics. <i>EMBO Journal</i> , 2019, 38, .	3.5	47
82	Vitamin D controls the capacity of human dendritic cells to induce functional regulatory T cells by regulation of glucose metabolism. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 187, 134-145.	1.2	71
83	HIF-1 $\beta$ metabolically controls collagen synthesis and modification in chondrocytes. <i>Nature</i> , 2019, 565, 511-515.	13.7	169
84	EndoDB: a database of endothelial cell transcriptomics data. <i>Nucleic Acids Research</i> , 2019, 47, D736-D744.	6.5	70
85	How glucose, glutamine and fatty acid metabolism shape blood and lymph vessel development. <i>Developmental Biology</i> , 2019, 447, 90-102.	0.9	48
86	Metabolic Reprogramming during Microglia Activation. <i>Immunometabolism</i> , 2019, 1, .	0.7	18
87	Blockade of Myeloid-Derived Suppressor Cell Expansion with All- <i>Trans</i> Retinoic Acid Increases the Efficacy of Antiangiogenic Therapy. <i>Cancer Research</i> , 2018, 78, 3220-3232.	0.4	84
88	Hypoxia and hypoxia inducible factor-1 $\beta$ are required for normal endometrial repair during menstruation. <i>Nature Communications</i> , 2018, 9, 295.	5.8	100
89	Glycolytic adaptation and progression of kidney disease. <i>Nature Reviews Nephrology</i> , 2018, 14, 75-76.	4.1	11
90	The Receptor Tyrosine Kinase AXL Is Required at Multiple Steps of the Metastatic Cascade during HER2-Positive Breast Cancer Progression. <i>Cell Reports</i> , 2018, 23, 1476-1490.	2.9	127

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91	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
92	Targeting angiogenic metabolism in disease. <i>Science</i> , 2018, 359, 1335-1336.	6.0	33
93	Endothelial Cell Metabolism. <i>Physiological Reviews</i> , 2018, 98, 3-58.	13.1	351
94	Endothelial Cell Metabolism in Health and Disease. <i>Trends in Cell Biology</i> , 2018, 28, 224-236.	3.6	208
95	Loss of placental growth factor ameliorates maternal hypertension and preeclampsia in mice. <i>Journal of Clinical Investigation</i> , 2018, 128, 5008-5017.	3.9	42
96	Gas6 is dispensable for pubertal mammary gland development. <i>PLoS ONE</i> , 2018, 13, e0208550.	1.1	21
97	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018, 561, 63-69.	13.7	136
98	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	3.7	429
99	Defective endothelial cell migration in the absence of Cdc42 leads to capillary-venous malformations. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	56
100	Live imaging reveals a conserved role of fatty acid $\beta$ -oxidation in early lymphatic development in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 26-31.	1.0	3
101	Osteocytic oxygen sensing controls bone mass through epigenetic regulation of sclerostin. <i>Nature Communications</i> , 2018, 9, 2557.	5.8	92
102	Phenotype molding of stromal cells in the lung tumor microenvironment. <i>Nature Medicine</i> , 2018, 24, 1277-1289.	15.2	1,126
103	Serine Synthesis via PHGDH Is Essential for Heme Production in Endothelial Cells. <i>Cell Metabolism</i> , 2018, 28, 573-587.e13.	7.2	127
104	Emerging Concepts in Organ-Specific Lymphatic Vessels and Metabolic Regulation of Lymphatic Development. <i>Developmental Cell</i> , 2018, 45, 289-301.	3.1	54
105	Effects of placental growth factor deficiency on behavior, neuroanatomy, and cerebrovasculature of mice. <i>Physiological Genomics</i> , 2018, 50, 862-875.	1.0	19
106	Quiescent Endothelial Cells Upregulate Fatty Acid $\beta$ -Oxidation for Vasculoprotection via Redox Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 881-894.e13.	7.2	174
107	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , 2018, 28, 866-880.e15.	7.2	154
108	CPT1a-Dependent Long-Chain Fatty Acid Oxidation Contributes to Maintaining Glucagon Secretion from Pancreatic Islets. <i>Cell Reports</i> , 2018, 23, 3300-3311.	2.9	71

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109	Prolyl Hydroxylase 3 (Phd3) Is a Therapeutic Target in Isocitrate Dehydrogenase 1 (IDH1) Mutated Acute Myeloid Leukemia. <i>Blood</i> , 2018, 132, 759-759.	0.6	0
110	826: PIGF deficiency results in sFlt-1 elevation without the onset of preeclampsia in pregnant mice. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 216, S473-S474.	0.7	0
111	Targeting endothelial metabolism for anti-angiogenesis therapy: A pharmacological perspective. <i>Vascular Pharmacology</i> , 2017, 90, 8-18.	1.0	41
112	Vessel pruning or healing: endothelial metabolism as a novel target?. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 239-247.	1.5	42
113	The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. <i>Molecular Cell</i> , 2017, 65, 885-899.e6.	4.5	165
114	Interaction of endothelial cells with macrophagesâ€”linking molecular and metabolic signaling. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 473-483.	1.3	39
115	Secreted CLIC3 drives cancer progression through its glutathione-dependent oxidoreductase activity. <i>Nature Communications</i> , 2017, 8, 14206.	5.8	81
116	Hypoxia determines survival outcomes of bacterial infection through HIF-1Î±â€”dependent reprogramming of leukocyte metabolism. <i>Science Immunology</i> , 2017, 2, .	5.6	61
117	Endothelial cell metabolism: an update anno 2017. <i>Current Opinion in Hematology</i> , 2017, 24, 240-247.	1.2	33
118	FGF-dependent metabolic control of vascular development. <i>Nature</i> , 2017, 545, 224-228.	13.7	256
119	How to Cross the Lymphatic Fence. <i>Circulation Research</i> , 2017, 120, 1376-1378.	2.0	2
120	Vascular Endothelial Growth Factor Up-regulation in Human Amniotic Fluid Stem Cell Enhances Nephroprotection After Ischemia-Reperfusion Injury in the Rat. <i>Critical Care Medicine</i> , 2017, 45, e86-e96.	0.4	27
121	DOT1L safeguards cartilage homeostasis and protects against osteoarthritis. <i>Nature Communications</i> , 2017, 8, 15889.	5.8	112
122	Endothelial cell metabolism in health and disease: impact of hypoxia. <i>EMBO Journal</i> , 2017, 36, 2187-2203.	3.5	186
123	Therapeutic Potential of Allosteric Modulation of FGF Receptors. , 2017, , 169-185.		0
124	Inhibition of MicroRNA-146a and Overexpression of Its Target Dihydrolipoyl Succinyltransferase Protect Against Pressure Overload-Induced Cardiac Hypertrophy and Dysfunction. <i>Circulation</i> , 2017, 136, 747-761.	1.6	53
125	CLARITY reveals dynamics of ovarian follicular architecture and vasculature in three-dimensions. <i>Scientific Reports</i> , 2017, 7, 44810.	1.6	91
126	Central Role of Metabolism in Endothelial Cell Function and Vascular Disease. <i>Physiology</i> , 2017, 32, 126-140.	1.6	65



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127	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. <i>Cell Reports</i> , 2017, 18, 3005-3017.	2.9	104
128	Sex-specific, reciprocal regulation of <i>ER</i> and <i>miR-22</i> controls muscle lipid metabolism in male mice. <i>EMBO Journal</i> , 2017, 36, 1199-1214.	3.5	31
129	The role of fatty acid $\beta$ -oxidation in lymphangiogenesis. <i>Nature</i> , 2017, 542, 49-54.	13.7	240
130	Haematopoietic prolyl hydroxylase deficiency promotes M2 macrophage polarization and is both necessary and sufficient to protect against experimental colitis. <i>Journal of Pathology</i> , 2017, 241, 547-558.	2.1	32
131	The Link Between Angiogenesis and Endothelial Metabolism. <i>Annual Review of Physiology</i> , 2017, 79, 43-66.	5.6	257
132	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
133	PP2A Inactivation Mediated by <i>PPP2R4</i> Haploinsufficiency Promotes Cancer Development. <i>Cancer Research</i> , 2017, 77, 6825-6837.	0.4	34
134	A Fatty Acid Oxidation-Dependent Metabolic Shift Regulates Adult Neural Stem Cell Activity. <i>Cell Reports</i> , 2017, 20, 2144-2155.	2.9	247
135	Tumor vessel disintegration by maximum tolerable PFKFB3 blockade. <i>Angiogenesis</i> , 2017, 20, 599-613.	3.7	73
136	Opposing regulation and roles for PHD3 in lung dendritic cells and alveolar macrophages. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1115-1126.	1.5	7
137	Early ciliary and prominin-1 dysfunctions precede neurogenesis impairment in a mouse model of type 2 diabetes. <i>Neurobiology of Disease</i> , 2017, 108, 13-28.	2.1	10
138	Influences of placental growth factor on mouse retinal vascular development. <i>Developmental Dynamics</i> , 2017, 246, 700-712.	0.8	10
139	Role of glutamine and interlinked asparagine metabolism in vessel formation. <i>EMBO Journal</i> , 2017, 36, 2334-2352.	3.5	195
140	Nogo-A regulates vascular network architecture in the postnatal brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 614-631.	2.4	17
141	Neurogenic Radial Glia-like Cells in Meninges Migrate and Differentiate into Functionally Integrated Neurons in the Neonatal Cortex. <i>Cell Stem Cell</i> , 2017, 20, 360-373.e7.	5.2	64
142	Axl Blockade by BGB324 Inhibits BCR-ABL Tyrosine Kinase Inhibitor-Sensitive and -Resistant Chronic Myeloid Leukemia. <i>Clinical Cancer Research</i> , 2017, 23, 2289-2300.	3.2	38
143	Angiogenesis revisited from a metabolic perspective: role and therapeutic implications of endothelial cell metabolism. <i>Open Biology</i> , 2017, 7, 170219.	1.5	98
144	How Endothelial Cells Adapt Their Metabolism to Form Vessels in Tumors. <i>Frontiers in Immunology</i> , 2017, 8, 1750.	2.2	89

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145	A hypoxia response element in the Vegfa promoter is required for basal Vegfa expression in skin and for optimal granulation tissue formation during wound healing in mice. PLoS ONE, 2017, 12, e0180586.	1.1	19
146	Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. Journal of Clinical Investigation, 2017, 127, 3407-3420.	3.9	71
147	Author Response: Possibility of Cytoplasmic Transportation Between Donorâ€™Host Cell Following Photoreceptor Transplantation. , 2016, 57, 5336.		0
148	Stem Cellâ€™Derived Photoreceptor Transplants Differentially Integrate Into Mouse Models of Cone-Rod Dystrophy. , 2016, 57, 3509.		71
149	Manipulating Angiogenesis by Targeting Endothelial Metabolism: Hitting the Engine Rather than the Driversâ€™A New Perspective?. Pharmacological Reviews, 2016, 68, 872-887.	7.1	49
150	Relief of hypoxia by angiogenesis promotes neural stem cell differentiation by targeting glycolysis. EMBO Journal, 2016, 35, 924-941.	3.5	161
151	Metaâ€™analysis of clinical metabolic profiling studies in cancer: challenges and opportunities. EMBO Molecular Medicine, 2016, 8, 1134-1142.	3.3	83
152	VEGF-B Improves Metabolic Health through Vascular Pruning of Fat. Cell Metabolism, 2016, 23, 571-573.	7.2	10
153	Prolyl hydroxylase-1 regulates hepatocyte apoptosis in an NF-Î²B-dependent manner. Biochemical and Biophysical Research Communications, 2016, 474, 579-586.	1.0	26
154	Deficiency of the oxygen sensor prolyl hydroxylase 1 attenuates hypercholesterolaemia, atherosclerosis, and hyperglycaemia. European Heart Journal, 2016, 37, 2993-2997.	1.0	40
155	Improved metabolite identification with MIDAS and MAGMa through MS/MS spectral dataset-driven parameter optimization. Metabolomics, 2016, 12, 1.	1.4	35
156	Adequate hypoxia inducible factor 1Î± signaling is indispensable for bone regeneration. Bone, 2016, 87, 176-186.	1.4	39
157	Endothelial Barrier and Metabolism: New Kids on the Block Regulating Bone Marrow Vascular Niches. Developmental Cell, 2016, 37, 210-212.	3.1	5
158	Mutations in succinate dehydrogenase B (SDHB) enhance neutrophil survival independent of HIF-1Î± expression. Blood, 2016, 127, 2641-2644.	0.6	21
159	Endothelial cell metabolism: A novel player in atherosclerosis? Basic principles and therapeutic opportunities. Atherosclerosis, 2016, 253, 247-257.	0.4	62
160	Tumour hypoxia causes DNA hypermethylation by reducing TET activity. Nature, 2016, 537, 63-68.	13.7	521
161	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. Cancer Cell, 2016, 30, 968-985.	7.7	464
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