

# Peter Carmeliet

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

694  
papers

105,989  
citations

153  
h-index

309  
g-index

780  
ext. papers

119,263  
ext. citations

14.1  
avg, IF

8.58  
L-index

#	Paper	IF	Citations
694	Identification of vascular cues contributing to cancer cell stemness and function.. <i>Angiogenesis</i> , <b>2022</b> , 1	10.6	1
693	De novo serine synthesis regulates chondrocyte proliferation during bone development and repair.. <i>Bone Research</i> , <b>2022</b> , 10, 14	13.3	0
692	Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes.. <i>ELife</i> , <b>2022</b> , 11,	8.9	5
691	Mitochondrial respiration supports autophagy to provide stress resistance during quiescence.. <i>Autophagy</i> , <b>2022</b> , 1-18	10.2	1
690	Lipid droplet degradation by autophagy connects mitochondria metabolism to Prox1-driven expression of lymphatic genes and lymphangiogenesis.. <i>Nature Communications</i> , <b>2022</b> , 13, 2760	17.4	1
689	Endothelial cell heterogeneity and plasticity in health and disease—New insights from single-cell studies <b>2022</b> , 17-28		
688	The Chemokine-Based Peptide, CXCL9(74-103), Inhibits Angiogenesis by Blocking Heparan Sulfate Proteoglycan-Mediated Signaling of Multiple Endothelial Growth Factors. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
687	Phenotypic diversity and metabolic specialization of renal endothelial cells. <i>Nature Reviews Nephrology</i> , <b>2021</b> , 17, 441-464	14.9	18
686	Hypoxia-inducible factor-1-dependent induction of miR122 enhances hepatic ischemia tolerance. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	7
685	DEFICIENCY OF MYELOID PHD PROTEINS AGGRAVATES ATHEROGENESIS VIA MACROPHAGE APOPTOSIS AND PARACRINE FIBROTIC SIGNALING: Atherogenic effects of myeloid PHD knockdown. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	2
684	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> , <b>2021</b> , 9, 664258	5.7	0
683	Endothelial metabolism going single. <i>Nature Metabolism</i> , <b>2021</b> , 3, 593-594	14.6	0
682	Endothelial cell plasticity at the single-cell level. <i>Angiogenesis</i> , <b>2021</b> , 24, 311-326	10.6	8
681	Endothelial Insulin Receptors Promote VEGF-A Signaling via ERK1/2 and Sprouting Angiogenesis. <i>Endocrinology</i> , <b>2021</b> , 162,	4.8	3
680	High-fat diet-activated fatty acid oxidation mediates intestinal stemness and tumorigenicity. <i>Cell Reports</i> , <b>2021</b> , 35, 109212	10.6	9
679	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. <i>STAR Protocols</i> , <b>2021</b> , 2, 100489	1.4	2
678	Tumor vessel co-option probed by single-cell analysis. <i>Cell Reports</i> , <b>2021</b> , 35, 109253	10.6	8

677	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> , <b>2021</b> , 36, 604-616	6.3	10
676	Transcriptomic analysis of CFTR-impaired endothelial cells reveals a pro-inflammatory phenotype. <i>European Respiratory Journal</i> , <b>2021</b> , 57,	13.6	4
675	Successful double-lung transplantation from a donor previously infected with SARS-CoV-2. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, 315-318	35.1	22
674	Neutrophils Fuel Effective Immune Responses through Gluconeogenesis and Glycogenesis. <i>Cell Metabolism</i> , <b>2021</b> , 33, 411-423.e4	24.6	25
673	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> , <b>2021</b> , 9, 695684	5.7	0
672	Endothelial CFTR dysfunction and its involvement in the pathogenesis of pulmonary arterial hypertension. <i>European Respiratory Journal</i> , <b>2021</b> , 58,	13.6	
671	Persistence of SARS-CoV-2 RNA in lung tissue after mild COVID-19. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, e78-e79	35.1	10
670	Hierarchical imaging and computational analysis of three-dimensional vascular network architecture in the entire postnatal and adult mouse brain. <i>Nature Protocols</i> , <b>2021</b> , 16, 4564-4610	18.8	4
669	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. <i>STAR Protocols</i> , <b>2021</b> , 2, 100523	1.4	1
668	Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1763-1776.e5	24.6	8
667	Comparative meta-analysis of cystic fibrosis cell models suggests partial endothelial-to-mesenchymal transition. <i>Journal of Cystic Fibrosis</i> , <b>2021</b> , 20, 876-880	4.1	2
666	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. <i>STAR Protocols</i> , <b>2021</b> , 2, 100508	1.4	0
665	Cardiac Microvascular Endothelial Cells in Pressure Overload-Induced Heart Disease. <i>Circulation: Heart Failure</i> , <b>2021</b> , 14, e006979	7.6	6
664	Tissue factor cytoplasmic domain exacerbates post-infarct left ventricular remodeling via orchestrating cardiac inflammation and angiogenesis. <i>Theranostics</i> , <b>2021</b> , 11, 9243-9261	12.1	2
663	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, W385-W394	20.1	22
662	Endothelial Lactate Controls Muscle Regeneration from Ischemia by Inducing M2-like Macrophage Polarization. <i>Cell Metabolism</i> , <b>2020</b> , 31, 1136-1153.e7	24.6	76
661	Role of the GLUT1 Glucose Transporter in Postnatal CNS Angiogenesis and Blood-Brain Barrier Integrity. <i>Circulation Research</i> , <b>2020</b> , 127, 466-482	15.7	38
660	Glutamine Metabolism Controls Chondrocyte Identity and Function. <i>Developmental Cell</i> , <b>2020</b> , 53, 530-544.e8	13	13

659	COVID-19: the vasculature unleashed. <i>Nature Reviews Immunology</i> , <b>2020</b> , 20, 389-391	36.5	516
658	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> , <b>2020</b> , 9, 758-772	6.9	6
657	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. <i>Nature Communications</i> , <b>2020</b> , 11, 1393	17.4	36
656	Basic and Therapeutic Aspects of Angiogenesis Updated. <i>Circulation Research</i> , <b>2020</b> , 127, 310-329	15.7	75
655	Lipid availability determines fate of skeletal progenitor cells via SOX9. <i>Nature</i> , <b>2020</b> , 579, 111-117	50.4	53
654	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. <i>Cell</i> , <b>2020</b> , 180, 764-779.e20	56.2	281
653	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. <i>Cancer Cell</i> , <b>2020</b> , 37, 21-36.e13	24.3	93
652	PHD1 controls muscle mTORC1 in a hydroxylation-independent manner by stabilizing leucyl tRNA synthetase. <i>Nature Communications</i> , <b>2020</b> , 11, 174	17.4	394
651	Hepatic PPAR $\alpha$ function and lipid metabolic pathways are dysregulated in polymicrobial sepsis. <i>EMBO Molecular Medicine</i> , <b>2020</b> , 12, e11319	12	12
650	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , <b>2020</b> , 31, 862-877.e14	24.6	67
649	Matrix deformations around angiogenic sprouts correlate to sprout dynamics and suggest pulling activity. <i>Angiogenesis</i> , <b>2020</b> , 23, 315-324	10.6	24
648	Shear Stress Regulation of Endothelial Glycocalyx Structure Is Determined by Glucobiosynthesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 350-364	9.4	39
647	Homeostasis and transitional activation of regulatory T cells require c-Myc. <i>Science Advances</i> , <b>2020</b> , 6, eaaw6443	14.3	26
646	Metabolic Signatures of Distinct Endothelial Phenotypes. <i>Trends in Endocrinology and Metabolism</i> , <b>2020</b> , 31, 580-595	8.8	27
645	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility. <i>Cell Reports</i> , <b>2020</b> , 32, 107880	10.6	1
644	c-Rel orchestrates energy-dependent epithelial and macrophage reprogramming in fibrosis. <i>Nature Metabolism</i> , <b>2020</b> , 2, 1350-1367	14.6	8
643	DNA methylation repels binding of hypoxia-inducible transcription factors to maintain tumor immunotolerance. <i>Genome Biology</i> , <b>2020</b> , 21, 182	18.3	13
642	Macrophage-derived glutamine boosts satellite cells and muscle regeneration. <i>Nature</i> , <b>2020</b> , 587, 626-631	36.4	39

641	Single-Cell RNA Sequencing Reveals Renal Endothelium Heterogeneity and Metabolic Adaptation to Water Deprivation. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2020</b> , 31, 118-138	12.7	50
640	Glomerular Function and Structural Integrity Depend on Hyaluronan Synthesis by Glomerular Endothelium. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 1886-1897	12.7	35
639	Hallmarks of Endothelial Cell Metabolism in Health and Disease. <i>Cell Metabolism</i> , <b>2019</b> , 30, 414-433	24.6	124
638	Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. <i>Nature Communications</i> , <b>2019</b> , 10, 4147	17.4	19
637	Analysis of Endothelial Fatty Acid Metabolism Using Tracer Metabolomics. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1978, 259-268	1.4	2
636	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. <i>Cell</i> , <b>2019</b> , 177, 1201-1216.e19	56.2	45
635	IL4R $\beta$ Signaling Abrogates Hypoxic Neutrophil Survival and Limits Acute Lung Injury Responses. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 200, 235-246	10.2	22
634	Metabolic Pathways Fueling the Endothelial Cell Drive. <i>Annual Review of Physiology</i> , <b>2019</b> , 81, 483-503	23.1	43
633	Leigh Syndrome Mouse Model Can Be Rescued by Interventions that Normalize Brain Hyperoxia, but Not HIF Activation. <i>Cell Metabolism</i> , <b>2019</b> , 30, 824-832.e3	24.6	46
632	Functional reprogramming of regulatory T cells in the absence of Foxp3. <i>Nature Immunology</i> , <b>2019</b> , 20, 1208-1219	19.1	66
631	Adult Pgf mice behaviour and neuroanatomy are altered by neonatal treatment with recombinant placental growth factor. <i>Scientific Reports</i> , <b>2019</b> , 9, 9285	4.9	5
630	Role and therapeutic potential of dietary ketone bodies in lymph vessel growth. <i>Nature Metabolism</i> , <b>2019</b> , 1, 666-675	14.6	24
629	PKM2 regulates endothelial cell junction dynamics and angiogenesis via ATP production. <i>Scientific Reports</i> , <b>2019</b> , 9, 15022	4.9	21
628	P021 CFTR loss of function leads to increased ROS and endothelial dysfunction. <i>Journal of Cystic Fibrosis</i> , <b>2019</b> , 18, S62-S63	4.1	
627	Closing the Mitochondrial Permeability Transition Pore in hiPSC-Derived Endothelial Cells Induces Glycocalyx Formation and Functional Maturation. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 803-816	8	10
626	Metabolic Reprogramming during Microglia Activation <b>2019</b> ,		9
625	The metabolic engine of endothelial cells. <i>Nature Metabolism</i> , <b>2019</b> , 1, 937-946	14.6	31
624	Stromal Gas6 promotes the progression of premalignant mammary cells. <i>Oncogene</i> , <b>2019</b> , 38, 2437-2450.2	9.2	22

623	Prominin-1 controls stem cell activation by orchestrating ciliary dynamics. <i>EMBO Journal</i> , <b>2019</b> , 38, 13-26	13	26
622	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> , <b>2019</b> , 187, 134-145	51.5	41
621	HIF-1 $\beta$ metabolically controls collagen synthesis and modification in chondrocytes. <i>Nature</i> , <b>2019</b> , 565, 511-515	50.4	86
620	EndoDB: a database of endothelial cell transcriptomics data. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D736-D744	40.1	42
619	How glucose, glutamine and fatty acid metabolism shape blood and lymph vessel development. <i>Developmental Biology</i> , <b>2019</b> , 447, 90-102	3.1	28
618	Blockade of Myeloid-Derived Suppressor Cell Expansion with All- Retinoic Acid Increases the Efficacy of Antiangiogenic Therapy. <i>Cancer Research</i> , <b>2018</b> , 78, 3220-3232	10.1	48
617	Hypoxia and hypoxia inducible factor-1 $\beta$ are required for normal endometrial repair during menstruation. <i>Nature Communications</i> , <b>2018</b> , 9, 295	17.4	49
616	Renal metabolism in 2017: Glycolytic adaptation and progression of kidney disease. <i>Nature Reviews Nephrology</i> , <b>2018</b> , 14, 75-76	14.9	9
615	The Receptor Tyrosine Kinase AXL Is Required at Multiple Steps of the Metastatic Cascade during HER2-Positive Breast Cancer Progression. <i>Cell Reports</i> , <b>2018</b> , 23, 1476-1490	10.6	74
614	Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging. <i>Cell Stem Cell</i> , <b>2018</b> , 22, 769-778.e4	18	144
613	Targeting angiogenic metabolism in disease. <i>Science</i> , <b>2018</b> , 359, 1335-1336	33.3	21
612	Phenotype molding of stromal cells in the lung tumor microenvironment. <i>Nature Medicine</i> , <b>2018</b> , 24, 1277-1289	50.5	607
611	Serine Synthesis via PHGDH Is Essential for Heme Production in Endothelial Cells. <i>Cell Metabolism</i> , <b>2018</b> , 28, 573-587.e13	24.6	77
610	Emerging Concepts in Organ-Specific Lymphatic Vessels and Metabolic Regulation of Lymphatic Development. <i>Developmental Cell</i> , <b>2018</b> , 45, 289-301	10.2	39
609	Effects of placental growth factor deficiency on behavior, neuroanatomy, and cerebrovasculature of mice. <i>Physiological Genomics</i> , <b>2018</b> , 50, 862-875	3.6	13
608	Quiescent Endothelial Cells Upregulate Fatty Acid Oxidation for Vasculoprotection via Redox Homeostasis. <i>Cell Metabolism</i> , <b>2018</b> , 28, 881-894.e13	24.6	99
607	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , <b>2018</b> , 28, 866-880.e15	24.6	83
606	CPT1a-Dependent Long-Chain Fatty Acid Oxidation Contributes to Maintaining Glucagon Secretion from Pancreatic Islets. <i>Cell Reports</i> , <b>2018</b> , 23, 3300-3311	10.6	47

605	Prolyl Hydroxylase 3 (Phd3) Is a Therapeutic Target in Isocitrate Dehydrogenase 1 (IDH1) Mutated Acute Myeloid Leukemia. <i>Blood</i> , <b>2018</b> , 132, 759-759	2.2	
604	Endothelial Cell Metabolism. <i>Physiological Reviews</i> , <b>2018</b> , 98, 3-58	47.9	201
603	Endothelial Cell Metabolism in Health and Disease. <i>Trends in Cell Biology</i> , <b>2018</b> , 28, 224-236	18.3	121
602	Loss of placental growth factor ameliorates maternal hypertension and preeclampsia in mice. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 5008-5017	15.9	24
601	Gas6 is dispensable for pubertal mammary gland development. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208550	3.7	8
600	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , <b>2018</b> , 561, 63-69	50.4	68
599	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , <b>2018</b> , 21, 425-538	53.8	285
598	Defective endothelial cell migration in the absence of Cdc42 leads to capillary-venous malformations. <i>Development (Cambridge)</i> , <b>2018</b> , 145,	6.6	35
597	Live imaging reveals a conserved role of fatty acid oxidation in early lymphatic development in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 503, 26-31	3.4	2
596	Osteocytic oxygen sensing controls bone mass through epigenetic regulation of sclerostin. <i>Nature Communications</i> , <b>2018</b> , 9, 2557	17.4	54
595	Targeting endothelial metabolism for anti-angiogenesis therapy: A pharmacological perspective. <i>Vascular Pharmacology</i> , <b>2017</b> , 90, 8-18	5.9	30
594	Vessel pruning or healing: endothelial metabolism as a novel target?. <i>Expert Opinion on Therapeutic Targets</i> , <b>2017</b> , 21, 239-247	6.4	31
593	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> , <b>2017</b> , 65, 885-899.e6	17.6	114
592	Interaction of endothelial cells with macrophages-linking molecular and metabolic signaling. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2017</b> , 469, 473-483	4.6	22
591	Secreted CLIC3 drives cancer progression through its glutathione-dependent oxidoreductase activity. <i>Nature Communications</i> , <b>2017</b> , 8, 14206	17.4	50
590	Hypoxia determines survival outcomes of bacterial infection through HIF-1alpha dependent re-programming of leukocyte metabolism. <i>Science Immunology</i> , <b>2017</b> , 2,	28	45
589	Endothelial cell metabolism: an update anno 2017. <i>Current Opinion in Hematology</i> , <b>2017</b> , 24, 240-247	3.3	22
588	FGF-dependent metabolic control of vascular development. <i>Nature</i> , <b>2017</b> , 545, 224-228	50.4	181

587	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> , <b>2017</b> , 45, e86-e96	1.4	20
586	DOT1L safeguards cartilage homeostasis and protects against osteoarthritis. <i>Nature Communications</i> , <b>2017</b> , 8, 15889	17.4	72
585	Endothelial cell metabolism in health and disease: impact of hypoxia. <i>EMBO Journal</i> , <b>2017</b> , 36, 2187-2203	33	106
584	Therapeutic Potential of Allosteric Modulation of FGF Receptors		2017, 169-185
583	Inhibition of MicroRNA-146a and Overexpression of Its Target Dihydrolipoyl Succinyltransferase Protect Against Pressure Overload-Induced Cardiac Hypertrophy and Dysfunction. <i>Circulation</i> , <b>2017</b> , 136, 747-761	16.7	37
582	CLARITY reveals dynamics of ovarian follicular architecture and vasculature in three-dimensions. <i>Scientific Reports</i> , <b>2017</b> , 7, 44810	4.9	47
581	Central Role of Metabolism in Endothelial Cell Function and Vascular Disease. <i>Physiology</i> , <b>2017</b> , 32, 126-140	140	41
580	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. <i>Cell Reports</i> , <b>2017</b> , 18, 3005-3017	10.6	64
579	Sex-specific, reciprocal regulation of ERα and miR-22 controls muscle lipid metabolism in male mice. <i>EMBO Journal</i> , <b>2017</b> , 36, 1199-1214	13	20
578	The role of fatty acid β-oxidation in lymphangiogenesis. <i>Nature</i> , <b>2017</b> , 542, 49-54	50.4	167
577	Haematopoietic prolyl hydroxylase-1 deficiency promotes M2 macrophage polarization and is both necessary and sufficient to protect against experimental colitis. <i>Journal of Pathology</i> , <b>2017</b> , 241, 547-558	8.4	21
576	The Link Between Angiogenesis and Endothelial Metabolism. <i>Annual Review of Physiology</i> , <b>2017</b> , 79, 43-66	66.1	156
575	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> , <b>2017</b> , 136, 2451-2467	16.7	121
574	PP2A Inactivation Mediated by Haploinsufficiency Promotes Cancer Development. <i>Cancer Research</i> , <b>2017</b> , 77, 6825-6837	10.1	24
573	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. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180586	3.7	14
572	A Fatty Acid Oxidation-Dependent Metabolic Shift Regulates Adult Neural Stem Cell Activity. <i>Cell Reports</i> , <b>2017</b> , 20, 2144-2155	10.6	149
571	Tumor vessel disintegration by maximum tolerable PFKFB3 blockade. <i>Angiogenesis</i> , <b>2017</b> , 20, 599-613	10.6	56
570	Opposing regulation and roles for PHD3 in lung dendritic cells and alveolar macrophages. <i>Journal of Leukocyte Biology</i> , <b>2017</b> , 102, 1115-1126	6.5	5



569	Early ciliary and prominin-1 dysfunctions precede neurogenesis impairment in a mouse model of type 2 diabetes. <i>Neurobiology of Disease</i> , <b>2017</b> , 108, 13-28	7.5	9
568	Influences of placental growth factor on mouse retinal vascular development. <i>Developmental Dynamics</i> , <b>2017</b> , 246, 700-712	2.9	8
567	Role of glutamine and interlinked asparagine metabolism in vessel formation. <i>EMBO Journal</i> , <b>2017</b> , 36, 2334-2352	13	143
566	Nogo-A regulates vascular network architecture in the postnatal brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 614-631	7.3	10
565	Neurogenic Radial Glia-like Cells in Meninges Migrate and Differentiate into Functionally Integrated Neurons in the Neonatal Cortex. <i>Cell Stem Cell</i> , <b>2017</b> , 20, 360-373.e7	18	43
564	Axl Blockade by BGB324 Inhibits BCR-ABL Tyrosine Kinase Inhibitor-Sensitive and -Resistant Chronic Myeloid Leukemia. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 2289-2300	12.9	30
563	Angiogenesis revisited from a metabolic perspective: role and therapeutic implications of endothelial cell metabolism. <i>Open Biology</i> , <b>2017</b> , 7,	7	69
562	How Endothelial Cells Adapt Their Metabolism to Form Vessels in Tumors. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1750	8.4	65
561	Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3407-3420	15.9	48
560	Endothelial cell metabolism: A novel player in atherosclerosis? Basic principles and therapeutic opportunities. <i>Atherosclerosis</i> , <b>2016</b> , 253, 247-257	3.1	53
559	Tumour hypoxia causes DNA hypermethylation by reducing TET activity. <i>Nature</i> , <b>2016</b> , 537, 63-68	50.4	354
558	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. <i>Cancer Cell</i> , <b>2016</b> , 30, 968-985	24.3	325
557	De novo design of a biologically active amyloid. <i>Science</i> , <b>2016</b> , 354,	33.3	44
556	Glycolytic regulation of cell rearrangement in angiogenesis. <i>Nature Communications</i> , <b>2016</b> , 7, 12240	17.4	89
555	Macrophage Metabolism Controls Tumor Blood Vessel Morphogenesis and Metastasis. <i>Cell Metabolism</i> , <b>2016</b> , 24, 701-715	24.6	234
554	S84 Identification of MIR-124a as a major regulator of enhanced endothelial cell glycolysis in pulmonary arterial hypertension. <i>Thorax</i> , <b>2016</b> , 71, A48.2-A49	7.3	2
553	Placental growth factor inhibition modulates the interplay between hypoxia and unfolded protein response in hepatocellular carcinoma. <i>BMC Cancer</i> , <b>2016</b> , 16, 9	4.8	20
552	Gas6 protein: its role in cardiovascular calcification. <i>BMC Nephrology</i> , <b>2016</b> , 17, 52	2.7	14

551	Placental growth factor deficiency is associated with impaired cerebral vascular development in mice. <i>Molecular Human Reproduction</i> , <b>2016</b> , 22, 130-42	4.4	36
550	Systemic sclerosis-like histopathological features in the myocardium of uPAR-deficient mice. <i>Annals of the Rheumatic Diseases</i> , <b>2016</b> , 75, 474-8	2.4	13
549	The Oxygen Sensor PHD2 Controls Dendritic Spines and Synapses via Modification of Filamin A. <i>Cell Reports</i> , <b>2016</b> , 14, 2653-67	10.6	36
548	PLGF/VEGFR-1 Signaling Promotes Macrophage Polarization and Accelerated Tumor Progression in Obesity. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 2993-3004	12.9	81
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2	DNA Methylation Repels Binding of HIF Transcription Factors to Maintain Tumour Immunotolerance		2
1	Heterogeneity in PHGDH protein expression potentiates cancer cell dissemination and metastasis		2