

Peter Carmeliet

List of PR Articles by Year in descending order

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Version: 2025-02-01

620

PR articles

99,715

PR citations

85

149

PR h-index

118

308

g-index

706

documents

127898

doc citations

83

166

h-index

122552

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Limiting Premenstrual Endometrial Hypoxia Inducible Factor 2 Alpha May Fine-Tune Endometrial Function at Menstruation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2025, 110, 1135-1147.	4.2	3
2	Fatty acid oxidation fuels natural killer cell responses against infection and cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2024, 121, .	7.6	40
3	FOXF1 promotes tumor vessel normalization and prevents lung cancer progression through FZD4. <i>EMBO Molecular Medicine</i> , 2024, 16, 1063-1090.	7.2	12
4	Functional synergy of a human-specific and an ape-specific metabolic regulator in human neocortex development. <i>Nature Communications</i> , 2024, 15, .	13.9	21
5	The gluconeogenesis enzyme PCK2 has a non-enzymatic role in proteostasis in endothelial cells. <i>Communications Biology</i> , 2024, 7, .	4.4	3
6	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunosuppression and immunotherapy resistance. <i>Nature Cancer</i> , 2024, 5, 1206-1226.	22.8	50
7	Single-cell atlas of the human brain vasculature across development, adulthood and disease. <i>Nature</i> , 2024, 632, 603-613.	38.7	108
8	GAS6 and AXL Promote Insulin Resistance by Rewiring Insulin Signaling and Increasing Insulin Receptor Trafficking to Endosomes. <i>Diabetes</i> , 2024, 73, 1648-1661.	4.4	7
9	Alveolar epithelial cells mitigate neutrophilic inflammation in lung injury through regulating mitochondrial fatty acid oxidation. <i>Nature Communications</i> , 2024, 15, .	13.9	31
10	Immunomodulation by endothelial cells: prospects for cancer therapy. <i>Trends in Cancer</i> , 2024, 10, 1072-1091.	10.6	19
11	Glucose metabolism controls monocyte homeostasis and migration but has no impact on atherosclerosis development in mice. <i>Nature Communications</i> , 2024, 15, .	13.9	8
12	Deciphering endothelial heterogeneity in health and disease at single-cell resolution: progress and perspectives. <i>Cardiovascular Research</i> , 2023, 119, 6-27.	5.7	58
13	The pulmonary vasculature in lethal COVID-19 and idiopathic pulmonary fibrosis at single-cell resolution. <i>Cardiovascular Research</i> , 2023, 119, 520-535.	5.7	54
14	Repair of airway epithelia requires metabolic rewiring towards fatty acid oxidation. <i>Nature Communications</i> , 2023, 14, .	13.9	37
15	Shaping the brain vasculature in development and disease in the single-cell era. <i>Nature Reviews Neuroscience</i> , 2023, 24, 271-298.	24.7	129
16	Prioritization and functional validation of target genes from single-cell transcriptomics studies. <i>Communications Biology</i> , 2023, 6, .	4.4	4
17	Understanding tumour endothelial cell heterogeneity and function from single-cell omics. <i>Nature Reviews Cancer</i> , 2023, 23, 544-564.	61.8	142
18	VEGF-B prevents excessive angiogenesis by inhibiting FGF2/FGFR1 pathway. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	43.9	53

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19	Targeting hypoxia-inducible factors: therapeutic opportunities and challenges. <i>Nature Reviews Drug Discovery</i> , 2023, 23, 175-200.	82.4	153
20	Deficiency of myeloid PHD proteins aggravates atherogenesis via macrophage apoptosis and paracrine fibrotic signalling. <i>Cardiovascular Research</i> , 2022, 118, 1232-1246.	5.7	26
21	Single-cell RNA sequencing profiling of mouse endothelial cells in response to pulmonary arterial hypertension. <i>Cardiovascular Research</i> , 2022, 118, 2519-2534.	5.7	109
22	Identification of vascular cues contributing to cancer cell stemness and function. <i>Angiogenesis</i> , 2022, 25, 355-371.	7.9	15
23	De novo serine synthesis regulates chondrocyte proliferation during bone development and repair. <i>Bone Research</i> , 2022, 10, .	14.2	30
24	Mitochondrial respiration supports autophagy to provide stress resistance during quiescence. <i>Autophagy</i> , 2022, 18, 2409-2426.	14.0	35
25	Lipid droplet degradation by autophagy connects mitochondria metabolism to Prox1-driven expression of lymphatic genes and lymphangiogenesis. <i>Nature Communications</i> , 2022, 13, .	13.9	46
26	PHGDH heterogeneity potentiates cancer cell dissemination and metastasis. <i>Nature</i> , 2022, 605, 747-753.	38.7	187
27	Endothelial cell heterogeneity and microglia regulons revealed by a pig cell landscape at single-cell level. <i>Nature Communications</i> , 2022, 13, .	13.9	77
28	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.	6.9	14
29	Serine metabolism remodeling after platinum-based chemotherapy identifies vulnerabilities in a subgroup of resistant ovarian cancers. <i>Nature Communications</i> , 2022, 13, .	13.9	37
30	Metabolic Reprogramming in Tumor Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11052.	4.5	43
31	Single cell atlas identifies lipid-processing and immunomodulatory endothelial cells in healthy and malignant breast. <i>Nature Communications</i> , 2022, 13, .	13.9	112
32	HIF1A-dependent induction of alveolar epithelial PFKFB3 dampens acute lung injury. <i>JCI Insight</i> , 2022, 7, .	5.4	29
33	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> , 2021, 36, 604-616.	5.0	59
34	Transcriptomic analysis of CFTR-impaired endothelial cells reveals a pro-inflammatory phenotype. <i>European Respiratory Journal</i> , 2021, 57, 2000261.	12.1	28
35	Successful double-lung transplantation from a donor previously infected with SARS-CoV-2. <i>Lancet Respiratory Medicine</i> , 2021, 9, 315-318.	24.2	42
36	Neutrophils Fuel Effective Immune Responses through Gluconeogenesis and Glycogenesis. <i>Cell Metabolism</i> , 2021, 33, 411-423.e4.	26.2	179

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37	Phenotypic diversity and metabolic specialization of renal endothelial cells. <i>Nature Reviews Nephrology</i> , 2021, 17, 441-464.	34.4	129
38	Hypoxia-inducible factor-1 α -dependent induction of miR122 enhances hepatic ischemia tolerance. <i>Journal of Clinical Investigation</i> , 2021, 131, .	10.7	45
39	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, .	3.7	5
40	Endothelial cell plasticity at the single-cell level. <i>Angiogenesis</i> , 2021, 24, 311-326.	7.9	84
41	Endothelial Insulin Receptors Promote VEGF-A Signaling via ERK1/2 and Sprouting Angiogenesis. <i>Endocrinology</i> , 2021, 162, .	2.6	33
42	High-fat diet-activated fatty acid oxidation mediates intestinal stemness and tumorigenicity. <i>Cell Reports</i> , 2021, 35, 109212.	6.4	167
43	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. <i>STAR Protocols</i> , 2021, 2, 100489.	1.2	24
44	Tumor vessel co-option probed by single-cell analysis. <i>Cell Reports</i> , 2021, 35, 109253.	6.4	85
45	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, .	3.7	12
46	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.	14.5	51
47	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. <i>STAR Protocols</i> , 2021, 2, 100523.	1.2	15
48	Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. <i>Cell Metabolism</i> , 2021, 33, 1763-1776.e5.	26.2	66
49	Comparative meta-analysis of cystic fibrosis cell models suggests partial endothelial-to-mesenchymal transition. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 876-880.	0.8	6
50	Cardiac Microvascular Endothelial Cells in Pressure Overload-Induced Heart Disease. <i>Circulation: Heart Failure</i> , 2021, 14, .	5.4	28
51	Tissue factor cytoplasmic domain exacerbates post-infarct left ventricular remodeling via orchestrating cardiac inflammation and angiogenesis. <i>Theranostics</i> , 2021, 11, 9243-9261.	11.5	19
52	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.	4.0	23
53	Shear Stress Regulation of Endothelial Glycocalyx Structure Is Determined by Glucobiosynthesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 350-364.	6.3	110
54	Homeostasis and transitional activation of regulatory T cells require c-Myc. <i>Science Advances</i> , 2020, 6, .	11.0	86

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55	Metabolic Signatures of Distinct Endothelial Phenotypes. Trends in Endocrinology and Metabolism, 2020, 31, 580-595.	8.8	69
56	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility. Cell Reports, 2020, 32, 107880.	6.4	9
57	c-Rel orchestrates energy-dependent epithelial and macrophage reprogramming in fibrosis. Nature Metabolism, 2020, 2, 1350-1367.	17.7	34
58	DNA methylation repels binding of hypoxia-inducible transcription factors to maintain tumor immunotolerance. Genome Biology, 2020, 21, .	8.2	57
59	Macrophage-derived glutamine boosts satellite cells and muscle regeneration. Nature, 2020, 587, 626-631.	38.7	221
60	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. Nucleic Acids Research, 2020, 48, W385-W394.	15.7	70
61	Endothelial Lactate Controls Muscle Regeneration from Ischemia by Inducing M2-like Macrophage Polarization. Cell Metabolism, 2020, 31, 1136-1153.e7.	26.2	441
62	Role of the GLUT1 Glucose Transporter in Postnatal CNS Angiogenesis and Blood-Brain Barrier Integrity. Circulation Research, 2020, 127, 466-482.	12.5	201
63	Glutamine Metabolism Controls Chondrocyte Identity and Function. Developmental Cell, 2020, 53, 530-544.e8.	7.8	110
64	Lowering the increased intracellular pH of human-induced pluripotent stem cell-derived endothelial cells induces formation of mature Weibel-Palade bodies. Stem Cells Translational Medicine, 2020, 9, 758-772.	4.2	13
65	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. Nature Communications, 2020, 11, .	13.9	112
66	Basic and Therapeutic Aspects of Angiogenesis Updated. Circulation Research, 2020, 127, 310-329.	12.5	474
67	Lipid availability determines fate of skeletal progenitor cells via SOX9. Nature, 2020, 579, 111-117.	38.7	206
68	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	34.1	1,207
69	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. Cancer Cell, 2020, 37, 21-36.e13.	38.5	387
70	PHD1 controls muscle mTORC1 in a hydroxylation-independent manner by stabilizing leucyl tRNA synthetase. Nature Communications, 2020, 11, .	13.9	2,305
71	Hepatic PPAR α function and lipid metabolic pathways are dysregulated in polymicrobial sepsis. EMBO Molecular Medicine, 2020, 12, .	7.2	61
72	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. Cell Metabolism, 2020, 31, 862-877.e14.	26.2	264

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73	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.	0.4	178
74	Matrix deformations around angiogenic sprouts correlate to sprout dynamics and suggest pulling activity. <i>Angiogenesis</i> , 2020, 23, 315-324.	7.9	58
75	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.	26.2	118
76	Functional reprogramming of regulatory T cells in the absence of Foxp3. <i>Nature Immunology</i> , 2019, 20, 1208-1219.	24.2	133
77	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.	1.6	0
78	Adult Pgf ^{+/+} / ⁺ mice behaviour and neuroanatomy are altered by neonatal treatment with recombinant placental growth factor. <i>Scientific Reports</i> , 2019, 9, .	3.5	11
79	PKM2 regulates endothelial cell junction dynamics and angiogenesis via ATP production. <i>Scientific Reports</i> , 2019, 9, .	3.5	50
80	P021 CFTR loss of function leads to increased ROS and endothelial dysfunction. <i>Journal of Cystic Fibrosis</i> , 2019, 18, S62-S63.	0.8	0
81	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.	1.6	1
82	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.	4.5	19
83	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.	0.4	72
84	Hallmarks of Endothelial Cell Metabolism in Health and Disease. <i>Cell Metabolism</i> , 2019, 30, 414-433.	26.2	399
85	Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. <i>Nature Communications</i> , 2019, 10, .	13.9	55
86	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. <i>Cell</i> , 2019, 177, 1201-1216.e19.	34.1	145
87	IL4R α 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.	12.2	48
88	Metabolic Pathways Fueling the Endothelial Cell Drive. <i>Annual Review of Physiology</i> , 2019, 81, 483-503.	17.2	143
89	Un nouveau r�le non m�tabolique de la glutamine synth�tase au cours de lâ€™angiog�nese. <i>Medecine/Sciences</i> , 2019, 35, 407-409.	0.2	0
90	The metabolic engine of endothelial cells. <i>Nature Metabolism</i> , 2019, 1, 937-946.	17.7	114

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91	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.	2.4	82
92	EndoDB: a database of endothelial cell transcriptomics data. <i>Nucleic Acids Research</i> , 2019, 47, D736-D744.	15.7	86
93	How glucose, glutamine and fatty acid metabolism shape blood and lymph vessel development. <i>Developmental Biology</i> , 2019, 447, 90-102.	1.9	68
94	Metabolic Reprogramming during Microglia Activation. <i>Immunometabolism</i> , 2019, 1, .	2.9	32
95	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.	0.6	110
96	Hypoxia and hypoxia inducible factor-1 α are required for normal endometrial repair during menstruation. <i>Nature Communications</i> , 2018, 9, .	13.9	132
97	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.	6.4	151
98	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.	16.8	380
99	Endothelial Cell Metabolism. <i>Physiological Reviews</i> , 2018, 98, 3-58.	25.9	478
100	Endothelial Cell Metabolism in Health and Disease. <i>Trends in Cell Biology</i> , 2018, 28, 224-236.	12.3	285
101	Loss of placental growth factor ameliorates maternal hypertension and preeclampsia in mice. <i>Journal of Clinical Investigation</i> , 2018, 128, 5008-5017.	10.7	57
102	Gas6 is dispensable for pubertal mammary gland development. <i>PLoS ONE</i> , 2018, 13, e0208550.	2.4	22
103	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018, 561, 63-69.	38.7	200
104	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.9	544
105	Defective endothelial cell migration in the absence of Cdc42 leads to capillary-venous malformations. <i>Development (Cambridge)</i> , 2018, , .	3.1	66
106	Live imaging reveals a conserved role of fatty acid β -oxidation in early lymphatic development in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 26-31.	2.1	5
107	Osteocytic oxygen sensing controls bone mass through epigenetic regulation of sclerostin. <i>Nature Communications</i> , 2018, 9, .	13.9	115
108	Phenotype molding of stromal cells in the lung tumor microenvironment. <i>Nature Medicine</i> , 2018, 24, 1277-1289.	39.5	1,473

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109	Serine Synthesis via PHGDH Is Essential for Heme Production in Endothelial Cells. <i>Cell Metabolism</i> , 2018, 28, 573-587.e13.	26.2	177
110	Emerging Concepts in Organ-Specific Lymphatic Vessels and Metabolic Regulation of Lymphatic Development. <i>Developmental Cell</i> , 2018, 45, 289-301.	7.8	72
111	Effects of placental growth factor deficiency on behavior, neuroanatomy, and cerebrovasculature of mice. <i>Physiological Genomics</i> , 2018, 50, 862-875.	2.5	23
112	Quiescent Endothelial Cells Upregulate Fatty Acid β -Oxidation for Vasculoprotection via Redox Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 881-894.e13.	26.2	263
113	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , 2018, 28, 866-880.e15.	26.2	236
114	CPT1a-Dependent Long-Chain Fatty Acid Oxidation Contributes to Maintaining Glucagon Secretion from Pancreatic Islets. <i>Cell Reports</i> , 2018, 23, 3300-3311.	6.4	97
115	Stromal Gas6 promotes the progression of premalignant mammary cells. <i>Oncogene</i> , 2018, 38, 2437-2450.	6.7	56
116	826: PlGF 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.	2.4	0
117	Targeting endothelial metabolism for anti-angiogenesis therapy: A pharmacological perspective. <i>Vascular Pharmacology</i> , 2017, 90, 8-18.	2.5	46
118	Vessel pruning or healing: endothelial metabolism as a novel target?. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 239-247.	3.9	50
119	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.	13.4	207
120	Interaction of endothelial cells with macrophages linking molecular and metabolic signaling. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 473-483.	2.5	57
121	Secreted CLIC3 drives cancer progression through its glutathione-dependent oxidoreductase activity. <i>Nature Communications</i> , 2017, 8, .	13.9	105
122	Hypoxia determines survival outcomes of bacterial infection through HIF-1 α -dependent reprogramming of leukocyte metabolism. <i>Science Immunology</i> , 2017, 2, .	13.5	78
123	Endothelial cell metabolism: an update anno 2017. <i>Current Opinion in Hematology</i> , 2017, 24, 240-247.	2.8	40
124	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.	0.5	29
125	DOT1L safeguards cartilage homeostasis and protects against osteoarthritis. <i>Nature Communications</i> , 2017, 8, .	13.9	133
126	Endothelial cell metabolism in health and disease: impact of hypoxia. <i>EMBO Journal</i> , 2017, 36, 2187-2203.	7.4	243

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127	Inhibition of MicroRNA-146a and Overexpression of Its Target Dihydrolypoyl Succinyltransferase Protect Against Pressure Overload-Induced Cardiac Hypertrophy and Dysfunction. <i>Circulation</i> , 2017, 136, 747-761.	25.2	74
128	CLARITY reveals dynamics of ovarian follicular architecture and vasculature in three-dimensions. <i>Scientific Reports</i> , 2017, 7, .	3.5	115
129	Central Role of Metabolism in Endothelial Cell Function and Vascular Disease. <i>Physiology</i> , 2017, 32, 126-140.	5.3	91
130	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. <i>Cell Reports</i> , 2017, 18, 3005-3017.	6.4	128
131	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.	5.0	35
132	The Link Between Angiogenesis and Endothelial Metabolism. <i>Annual Review of Physiology</i> , 2017, 79, 43-66.	17.2	322
133	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.	25.2	251
134	PP2A Inactivation Mediated by <i>PPP2R4</i> Haploinsufficiency Promotes Cancer Development. <i>Cancer Research</i> , 2017, 77, 6825-6837.	0.6	41
135	A Fatty Acid Oxidation-Dependent Metabolic Shift Regulates Adult Neural Stem Cell Activity. <i>Cell Reports</i> , 2017, 20, 2144-2155.	6.4	319
136	Tumor vessel disintegration by maximum tolerable PFKFB3 blockade. <i>Angiogenesis</i> , 2017, 20, 599-613.	7.9	84
137	Opposing regulation and roles for PHD3 in lung dendritic cells and alveolar macrophages. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1115-1126.	3.0	8
138	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.	5.2	15
139	Influences of placental growth factor on mouse retinal vascular development. <i>Developmental Dynamics</i> , 2017, 246, 700-712.	1.8	10
140	Role of glutamine and interlinked asparagine metabolism in vessel formation. <i>EMBO Journal</i> , 2017, 36, 2334-2352.	7.4	280
141	Nogo-A regulates vascular network architecture in the postnatal brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 614-631.	4.8	22
142	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.	16.8	78
143	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.	6.9	43
144	Angiogenesis revisited from a metabolic perspective: role and therapeutic implications of endothelial cell metabolism. <i>Open Biology</i> , 2017, 7, 170219.	3.3	119

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145	How Endothelial Cells Adapt Their Metabolism to Form Vessels in Tumors. <i>Frontiers in Immunology</i> , 2017, 8, .	5.1	99
146	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> , 2017, 12, e0180586.	2.4	24
147	Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. <i>Journal of Clinical Investigation</i> , 2017, 127, 3407-3420.	10.7	87
148	Stem Cell-Derived Photoreceptor Transplants Differentially Integrate Into Mouse Models of Cone-Rod Dystrophy. , 2016, 57, 3509.		82
149	Manipulating Angiogenesis by Targeting Endothelial Metabolism: Hitting the Engine Rather than the Drivers—A New Perspective?. <i>Pharmacological Reviews</i> , 2016, 68, 872-887.	16.0	52
150	Relief of hypoxia by angiogenesis promotes neural stem cell differentiation by targeting glycolysis. <i>EMBO Journal</i> , 2016, 35, 924-941.	7.4	189
151	Meta-analysis of clinical metabolic profiling studies in cancer: challenges and opportunities. <i>EMBO Molecular Medicine</i> , 2016, 8, 1134-1142.	7.2	102
152	Prolyl hydroxylase-1 regulates hepatocyte apoptosis in an NF- κ B-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 579-586.	2.1	30
153	Deficiency of the oxygen sensor prolyl hydroxylase 1 attenuates hypercholesterolaemia, atherosclerosis, and hyperglycaemia. <i>European Heart Journal</i> , 2016, 37, 2993-2997.	2.3	46
154	Improved metabolite identification with MIDAS and MAGMa through MS/MS spectral dataset-driven parameter optimization. <i>Metabolomics</i> , 2016, 12, .	2.8	42
155	Adequate hypoxia inducible factor 1 \pm signaling is indispensable for bone regeneration. <i>Bone</i> , 2016, 87, 176-186.	3.6	43
156	Mutations in succinate dehydrogenase B (SDHB) enhance neutrophil survival independent of HIF-1 \pm expression. <i>Blood</i> , 2016, 127, 2641-2644.	4.2	26
157	Endothelial cell metabolism: A novel player in atherosclerosis? Basic principles and therapeutic opportunities. <i>Atherosclerosis</i> , 2016, 253, 247-257.	1.6	71
158	Tumour hypoxia causes DNA hypermethylation by reducing TET activity. <i>Nature</i> , 2016, 537, 63-68.	38.7	603
159	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.	38.5	587
160	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	36.4	71
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