

Gou Young Koh

List of Publications by Year in descending order

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222
papers

27,194
citations

6613

79
h-index

6131

159
g-index

230
all docs

230
docs citations

230
times ranked

33193
citing authors

#	ARTICLE	IF	CITATIONS
1	The gut microbiota as an environmental factor that regulates fat storage. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15718-15723.	7.1	5,131
2	Tie2/Angiopoietin-1 Signaling Regulates Hematopoietic Stem Cell Quiescence in the Bone Marrow Niche. Cell, 2004, 118, 149-161.	28.9	1,753
3	Control of vascular morphogenesis and homeostasis through the angiopoietin-Tie system. Nature Reviews Molecular Cell Biology, 2009, 10, 165-177.	37.0	1,235
4	Vascular Endothelial Growth Factor Expression of Intercellular Adhesion Molecule 1 (ICAM-1), Vascular Cell Adhesion Molecule 1 (VCAM-1), and E-selectin through Nuclear Factor- κ B Activation in Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 7614-7620.	3.4	667
5	Angiopoietin-1 Regulates Endothelial Cell Survival Through the Phosphatidylinositol 3-Kinase/Akt Signal Transduction Pathway. Circulation Research, 2000, 86, 24-29.	4.5	573
6	Organotypic vasculature: From descriptive heterogeneity to functional pathophysiology. Science, 2017, 357, .	12.6	497
7	Meningeal lymphatic vessels at the skull base drain cerebrospinal fluid. Nature, 2019, 572, 62-66.	27.8	445
8	Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cell-cell and cell-matrix contacts. Nature Cell Biology, 2008, 10, 527-537.	10.3	406
9	Critical role of CD11b+ macrophages and VEGF in inflammatory lymphangiogenesis, antigen clearance, and inflammation resolution. Blood, 2009, 113, 5650-5659.	1.4	363
10	Angiopoietin-1 Reduces VEGF-Stimulated Leukocyte Adhesion to Endothelial Cells by Reducing ICAM-1, VCAM-1, and E-Selectin Expression. Circulation Research, 2001, 89, 477-479.	4.5	326
11	Differential function of Tie2 at cell-cell contacts and cell-substratum contacts regulated by angiopoietin-1. Nature Cell Biology, 2008, 10, 513-526.	10.3	316
12	Angiopoietin-2 at high concentration can enhance endothelial cell survival through the phosphatidylinositol 3-kinase/Akt signal transduction pathway. Oncogene, 2000, 19, 4549-4552.	5.9	295
13	Inhibition of Phosphatidylinositol 3-Kinase Enhances Mitogenic Actions of Insulin in Endothelial Cells. Journal of Biological Chemistry, 2002, 277, 1794-1799.	3.4	285
14	YAP/TAZ regulates sprouting angiogenesis and vascular barrier maturation. Journal of Clinical Investigation, 2017, 127, 3441-3461.	8.2	282
15	Tumor metastasis to lymph nodes requires YAP-dependent metabolic adaptation. Science, 2019, 363, 644-649.	12.6	276
16	Normalization of Tumor Vessels by Tie2 Activation and Ang2 Inhibition Enhances Drug Delivery and Produces a Favorable Tumor Microenvironment. Cancer Cell, 2016, 30, 953-967.	16.8	259
17	Angiogenic Role of LYVE-1-Positive Macrophages in Adipose Tissue. Circulation Research, 2007, 100, e47-57.	4.5	253
18	Adipose Vascular Endothelial Growth Factor Regulates Metabolic Homeostasis through Angiogenesis. Cell Metabolism, 2013, 17, 61-72.	16.2	252

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19	Angiopoietin-1 Induces Endothelial Cell Sprouting Through the Activation of Focal Adhesion Kinase and Plasmin Secretion. <i>Circulation Research</i> , 2000, 86, 952-959.	4.5	237
20	COMP-Ang1: A designed angiopoietin-1 variant with nonleaky angiogenic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5547-5552.	7.1	236
21	Organ-specific lymphatic vasculature: From development to pathophysiology. <i>Journal of Experimental Medicine</i> , 2018, 215, 35-49.	8.5	231
22	Biological functions of lymphatic vessels. <i>Science</i> , 2020, 369, .	12.6	220
23	Coadministration of Angiopoietin-1 and Vascular Endothelial Growth Factor Enhances Collateral Vascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 2573-2578.	2.4	218
24	Angiopoietin-1 promotes LYVE-1-positive lymphatic vessel formation. <i>Blood</i> , 2005, 105, 4649-4656.	1.4	214
25	T Lymphocytes Negatively Regulate Lymph Node Lymphatic Vessel Formation. <i>Immunity</i> , 2011, 34, 96-107.	14.3	214
26	Plastic roles of pericytes in the blood-retinal barrier. <i>Nature Communications</i> , 2017, 8, 15296.	12.8	210
27	Angiopoietin-1 is an apoptosis survival factor for endothelial cells. <i>FEBS Letters</i> , 1999, 448, 249-253.	2.8	208
28	A specific requirement for PDGF-C in palate formation and PDGFR- β signaling. <i>Nature Genetics</i> , 2004, 36, 1111-1116.	21.4	199
29	Multiple angiopoietin recombinant proteins activate the Tie1 receptor tyrosine kinase and promote its interaction with Tie2. <i>Journal of Cell Biology</i> , 2005, 169, 239-243.	5.2	193
30	Excessive cardiac insulin signaling exacerbates systolic dysfunction induced by pressure overload in rodents. <i>Journal of Clinical Investigation</i> , 2010, 120, 1506-1514.	8.2	192
31	Tie1 controls angiopoietin function in vascular remodeling and inflammation. <i>Journal of Clinical Investigation</i> , 2016, 126, 3495-3510.	8.2	189
32	Overexpression of VEGF and Angiopoietin 2: A Key to High Vascularity of Hepatocellular Carcinoma?. <i>Modern Pathology</i> , 2003, 16, 552-557.	5.5	187
33	Effects of Angiopoietin-2-Blocking Antibody on Endothelial Cell-Cell Junctions and Lung Metastasis. <i>Journal of the National Cancer Institute</i> , 2012, 104, 461-475.	6.3	186
34	Inflammation-associated lymphangiogenesis: a double-edged sword?. <i>Journal of Clinical Investigation</i> , 2014, 124, 936-942.	8.2	184
35	Molecular Cloning, Expression, and Characterization of Angiopoietin-related Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 26523-26528.	3.4	179
36	Adipose tissue is an extramedullary reservoir for functional hematopoietic stem and progenitor cells. <i>Blood</i> , 2010, 115, 957-964.	1.4	179

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37	Interfering with VE-PTP stabilizes endothelial junctions in vivo via Tie-2 in the absence of VE-cadherin. <i>Journal of Experimental Medicine</i> , 2015, 212, 2267-2287.	8.5	172
38	The spatiotemporal development of adipose tissue. <i>Development (Cambridge)</i> , 2011, 138, 5027-5037.	2.5	165
39	EphB ligand, ephrinB2, suppresses the VEGF and angiopoietin-1 induced Ras/mitogen-activated protein kinase pathway in venous endothelial cells. <i>FASEB Journal</i> , 2002, 16, 1126-1128.	0.5	164
40	Neutrophils disturb pulmonary microcirculation in sepsis-induced acute lung injury. <i>European Respiratory Journal</i> , 2019, 53, 1800786.	6.7	160
41	Methylation-dependent regulation of HIF-1 β stability restricts retinal and tumour angiogenesis. <i>Nature Communications</i> , 2016, 7, 10347.	12.8	159
42	CXCR4 Signaling Regulates Metastasis of Chemoresistant Melanoma Cells by a Lymphatic Metastatic Niche. <i>Cancer Research</i> , 2010, 70, 10411-10421.	0.9	153
43	Amelioration of sepsis by TIE2 activation-induced vascular protection. <i>Science Translational Medicine</i> , 2016, 8, 335ra55.	12.4	151
44	COMP-angiopoietin-1 promotes wound healing through enhanced angiogenesis, lymphangiogenesis, and blood flow in a diabetic mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4946-4951.	7.1	150
45	Orchestral actions of angiopoietin-1 in vascular regeneration. <i>Trends in Molecular Medicine</i> , 2013, 19, 31-39.	6.7	146
46	Biological characterization of angiopoietin-3 and angiopoietin-4. <i>FASEB Journal</i> , 2004, 18, 1200-1208.	0.5	144
47	<sc>VEGF</sc> regulated by progesterone governs uterine angiogenesis and vascular remodelling during pregnancy. <i>EMBO Molecular Medicine</i> , 2013, 5, 1415-1430.	6.9	141
48	Lymphatic regulator PROX1 determines Schlemm's canal integrity and identity. <i>Journal of Clinical Investigation</i> , 2014, 124, 3960-3974.	8.2	141
49	Double Antiangiogenic Protein, DAAP, Targeting VEGF-A and Angiopoietins in Tumor Angiogenesis, Metastasis, and Vascular Leakage. <i>Cancer Cell</i> , 2010, 18, 171-184.	16.8	137
50	Designed angiopoietin-1 variant, COMP-Ang1, protects against radiation-induced endothelial cell apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5553-5558.	7.1	134
51	Oligomerization and Multimerization Are Critical for Angiopoietin-1 to Bind and Phosphorylate Tie2. <i>Journal of Biological Chemistry</i> , 2005, 280, 20126-20131.	3.4	134
52	Stromal Vascular Fraction From Adipose Tissue Forms Profound Vascular Network Through the Dynamic Reassembly of Blood Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1141-1150.	2.4	131
53	Long-Term and Sustained COMP-Ang1 Induces Long-Lasting Vascular Enlargement and Enhanced Blood Flow. <i>Circulation Research</i> , 2005, 97, 86-94.	4.5	123
54	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. <i>Nature Communications</i> , 2013, 4, 1672.	12.8	120

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55	Profound but Dysfunctional Lymphangiogenesis via Vascular Endothelial Growth Factor Ligands from CD11b+ Macrophages in Advanced Ovarian Cancer. <i>Cancer Research</i> , 2008, 68, 1100-1109.	0.9	114
56	YAP/TAZ Initiates Gastric Tumorigenesis via Upregulation of MYC. <i>Cancer Research</i> , 2018, 78, 3306-3320.	0.9	114
57	Role of CD11b+ Macrophages in Intraperitoneal Lipopolysaccharide-Induced Aberrant Lymphangiogenesis and Lymphatic Function in the Diaphragm. <i>American Journal of Pathology</i> , 2009, 175, 1733-1745.	3.8	113
58	Angiopoietin-1 Guides Directional Angiogenesis Through Integrin $\alpha_5\beta_1$ Signaling for Recovery of Ischemic Retinopathy. <i>Science Translational Medicine</i> , 2013, 5, 203ra127.	12.4	113
59	Toll-like receptor 4 in lymphatic endothelial cells contributes to LPS-induced lymphangiogenesis by chemotactic recruitment of macrophages. <i>Blood</i> , 2009, 113, 2605-2613.	1.4	110
60	Angiopoietin-1/Tie2 Signal Augments Basal Notch Signal Controlling Vascular Quiescence by Inducing Delta-Like 4 Expression through AKT-mediated Activation of β -Catenin. <i>Journal of Biological Chemistry</i> , 2011, 286, 8055-8066.	3.4	109
61	Vascular RhoJ Is an Effective and Selective Target for Tumor Angiogenesis and Vascular Disruption. <i>Cancer Cell</i> , 2014, 25, 102-117.	16.8	109
62	Adipocytokine Orosomucoid Integrates Inflammatory and Metabolic Signals to Preserve Energy Homeostasis by Resolving Immoderate Inflammation. <i>Journal of Biological Chemistry</i> , 2010, 285, 22174-22185.	3.4	108
63	Efficient differentiation of human pluripotent stem cells into functional CD34+ progenitor cells by combined modulation of the MEK/ERK and BMP4 signaling pathways. <i>Blood</i> , 2010, 116, 5762-5772.	1.4	107
64	Angiopoietin-2 exacerbates cardiac hypoxia and inflammation after myocardial infarction. <i>Journal of Clinical Investigation</i> , 2018, 128, 5018-5033.	8.2	107
65	Suppression of angiogenesis by the plant alkaloid, sanguinarine. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 618-624.	2.1	103
66	Regulated Proteolytic Processing of Tie1 Modulates Ligand Responsiveness of the Receptor-tyrosine Kinase Tie2. <i>Journal of Biological Chemistry</i> , 2007, 282, 30509-30517.	3.4	100
67	Dose-dependent Biphasic Activity of tRNA Synthetase-associating Factor, p43, in Angiogenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 45243-45248.	3.4	99
68	Vegfc is required for vascular development and endoderm morphogenesis in zebrafish. <i>EMBO Reports</i> , 2004, 5, 78-84.	4.5	98
69	Impaired angiopoietin/Tie2 signaling compromises Schlemm's canal integrity and induces glaucoma. <i>Journal of Clinical Investigation</i> , 2017, 127, 3877-3896.	8.2	98
70	The mouse Pdgfc gene: dynamic expression in embryonic tissues during organogenesis. <i>Mechanisms of Development</i> , 2000, 96, 209-213.	1.7	96
71	Bone morphogenetic protein-9 inhibits lymphatic vessel formation via activin receptor-like kinase 1 during development and cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18940-18945.	7.1	95
72	Tumor Necrosis Factor- α Upregulates Angiopoietin-2 in Human Umbilical Vein Endothelial Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 361-365.	2.1	93

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73	Gut microbiota regulates lacteal integrity by inducing VEGF β in intestinal villus macrophages. <i>EMBO Reports</i> , 2019, 20, .	4.5	93
74	Lipopolysaccharide Activates Matrix Metalloproteinase-2 in Endothelial Cells through an NF- κ B-Dependent Pathway. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 401-405.	2.1	90
75	Cooperative interaction of Angiopoietin-like proteins 1 and 2 in zebrafish vascular development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13502-13507.	7.1	89
76	Intravital imaging of intestinal lacteals unveils lipid drainage through contractility. <i>Journal of Clinical Investigation</i> , 2015, 125, 4042-4052.	8.2	88
77	Shear stress activates Tie2 receptor tyrosine kinase in human endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 399-404.	2.1	87
78	Angiopoietin-1 Inhibits Irradiation- and Mannitol-Induced Apoptosis in Endothelial Cells. <i>Circulation</i> , 2000, 101, 2317-2324.	1.6	82
79	COMP β Angiopoietin-1 Ameliorates Renal Fibrosis in a Unilateral Ureteral Obstruction Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 2474-2483.	6.1	82
80	Hydrogen Peroxide Produced by Angiopoietin-1 Mediates Angiogenesis. <i>Cancer Research</i> , 2006, 66, 6167-6174.	0.9	82
81	Notch Pathway Targets Proangiogenic Regulator Sox17 to Restrict Angiogenesis. <i>Circulation Research</i> , 2014, 115, 215-226.	4.5	81
82	Bone marrow α derived circulating progenitor cells fail to transdifferentiate into adipocytes in adult adipose tissues in mice. <i>Journal of Clinical Investigation</i> , 2007, 117, 3684-3695.	8.2	80
83	Tumor Necrosis Factor- α Induces Fractalkine Expression Preferentially in Arterial Endothelial Cells and Mithramycin A Suppresses TNF- α -Induced Fractalkine Expression. <i>American Journal of Pathology</i> , 2004, 164, 1663-1672.	3.8	79
84	Tie1 deletion inhibits tumor growth and improves angiopoietin antagonist therapy. <i>Journal of Clinical Investigation</i> , 2014, 124, 824-834.	8.2	78
85	Combined Angiopoietin-1 and vascular endothelial growth factor gene transfer restores cavernous angiogenesis and erectile function in a rat model of hypercholesterolemia. <i>Molecular Therapy</i> , 2006, 13, 705-715.	8.2	77
86	Pericyte Requirement for Anti-Leak Action of Angiopoietin-1 and Vascular Remodeling in Sustained Inflammation. <i>American Journal of Pathology</i> , 2011, 178, 2897-2909.	3.8	75
87	In Vivo Actions of Angiopoietins on Quiescent and Remodeling Blood and Lymphatic Vessels in Mouse Airways and Skin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 564-570.	2.4	74
88	Angptl 4 deficiency improves lipid metabolism, suppresses foam cell formation and protects against atherosclerosis. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 806-811.	2.1	73
89	Bioluminescence-Activated Deep-Tissue Photodynamic Therapy of Cancer. <i>Theranostics</i> , 2015, 5, 805-817.	10.0	72
90	Pulmonary pericytes regulate lung morphogenesis. <i>Nature Communications</i> , 2018, 9, 2448.	12.8	72

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91	Intracavernous Delivery of a Designed Angiopoietin-1 Variant Rescues Erectile Function by Enhancing Endothelial Regeneration in the Streptozotocin-Induced Diabetic Mouse. <i>Diabetes</i> , 2011, 60, 969-980.	0.6	69
92	Renoprotective effect of COMP-angiopoietin-1 in db/db mice with type 2 diabetes. <i>Nephrology Dialysis Transplantation</i> , 2006, 22, 396-408.	0.7	68
93	Characteristics of distension-induced release of immunoreactive atrial natriuretic peptide in isolated perfused rabbit atria. <i>Regulatory Peptides</i> , 1988, 22, 333-345.	1.9	67
94	Betacellulin and Amphiregulin Induce Upregulation of Cyclin D1 and DNA Synthesis Activity Through Differential Signaling Pathways in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2003, 93, 302-310.	4.5	67
95	YAP and TAZ Negatively Regulate Prox1 During Developmental and Pathologic Lymphangiogenesis. <i>Circulation Research</i> , 2019, 124, 225-242.	4.5	67
96	Molecular Determinants of the Clearance Function of Type C Receptors of Natriuretic Peptides. <i>Journal of Biological Chemistry</i> , 1996, 271, 9863-9869.	3.4	65
97	A MST1-FOXO1 cascade establishes endothelial tip cell polarity and facilitates sprouting angiogenesis. <i>Nature Communications</i> , 2019, 10, 838.	12.8	65
98	Molecular cloning and characterization of a novel angiopoietin family protein, angiopoietin-3. <i>FEBS Letters</i> , 1999, 443, 353-356.	2.8	64
99	Betacellulin induces angiogenesis through activation of mitogen-activated protein kinase and phosphatidylinositol 3-kinase in endothelial cells. <i>FASEB Journal</i> , 2003, 17, 318-320.	0.5	64
100	Perilipin+ embryonic preadipocytes actively proliferate along growing vasculatures for adipose expansion. <i>Development (Cambridge)</i> , 2015, 142, 2623-2632.	2.5	63
101	Nuclear factor kappaB dependency of platelet-activating factor-induced angiogenesis. <i>Cancer Research</i> , 2002, 62, 1809-14.	0.9	63
102	Deficiency of Endothelium-Specific Transcription Factor <i>Sox17</i> Induces Intracranial Aneurysm. <i>Circulation</i> , 2015, 131, 995-1005.	1.6	62
103	A murine model of toluene diisocyanate-induced asthma can be treated with matrix metalloproteinase inhibitor. <i>Journal of Allergy and Clinical Immunology</i> , 2001, 108, 1021-1026.	2.9	61
104	Protective Effect of Lipoic Acid in Lipopolysaccharide-Induced Endothelial Fractalkine Expression. <i>Circulation Research</i> , 2005, 97, 880-890.	4.5	61
105	Conditional ablation of LYVE-1+ cells unveils defensive roles of lymphatic vessels in intestine and lymph nodes. <i>Blood</i> , 2013, 122, 2151-2161.	1.4	61
106	Lymphatic development in mouse small intestine. <i>Developmental Dynamics</i> , 2007, 236, 2020-2025.	1.8	60
107	Angiopoietin-1 Induces Krüppel-like Factor 2 Expression through a Phosphoinositide 3-Kinase/AKT-dependent Activation of Myocyte Enhancer Factor 2. <i>Journal of Biological Chemistry</i> , 2009, 284, 5592-5601.	3.4	60
108	Gab family proteins are essential for postnatal maintenance of cardiac function via neuregulin-1/ErbB signaling. <i>Journal of Clinical Investigation</i> , 2007, 117, 1771-1781.	8.2	60

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109	Characterization and Expression of a Novel Alternatively Spliced Human Angiopoietin-2. <i>Journal of Biological Chemistry</i> , 2000, 275, 18550-18556.	3.4	59
110	SoxF Transcription Factors Are Positive Feedback Regulators of VEGF Signaling. <i>Circulation Research</i> , 2016, 119, 839-852.	4.5	59
111	Angiopoietin receptor Tie2 is required for vein specification and maintenance via regulating COUP-TFII. <i>ELife</i> , 2016, 5, .	6.0	59
112	Angiopoietin-1 Overexpression Modulates Vascular Endothelium to Facilitate Tumor Cell Dissemination and Metastasis Establishment. <i>Cancer Research</i> , 2009, 69, 4656-4664.	0.9	57
113	Fibroblast activation protein $\hat{\pm}$ identifies mesenchymal stromal cells from human bone marrow. <i>British Journal of Haematology</i> , 2008, 142, 827-830.	2.5	56
114	Control of endothelial quiescence by FOXO-regulated metabolites. <i>Nature Cell Biology</i> , 2021, 23, 413-423.	10.3	56
115	Differential and Dramatic Changes of Cyclin-dependent Kinase Activities in Cardiomyocytes During the Neonatal Period. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 1767-1777.	1.9	55
116	Inhibition of Ninjurin 1 restores erectile function through dual angiogenic and neurotrophic effects in the diabetic mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2731-40.	7.1	54
117	Vascular Endothelial Growth Factor-Angiopoietin Chimera With Improved Properties for Therapeutic Angiogenesis. <i>Circulation</i> , 2013, 127, 424-434.	1.6	53
118	Dual Modulation of the Mitochondrial Permeability Transition Pore and Redox Signaling Synergistically Promotes Cardiomyocyte Differentiation From Pluripotent Stem Cells. <i>Journal of the American Heart Association</i> , 2014, 3, e000693.	3.7	52
119	Cytoplasmic Localization of Cyclin D3 in Seminiferous Tubules during Testicular Development. <i>Experimental Cell Research</i> , 1997, 234, 27-36.	2.6	51
120	Angiopoietin-1 Suppresses Choroidal Neovascularization and Vascular Leakage. , 2014, 55, 2191.		51
121	YAP1 and TAZ negatively control bone angiogenesis by limiting hypoxia-inducible factor signaling in endothelial cells. <i>ELife</i> , 2020, 9, .	6.0	51
122	Activation of PPAR $\hat{3}$ induces profound multilocularization of adipocytes in adult mouse white adipose tissues. <i>Experimental and Molecular Medicine</i> , 2009, 41, 880.	7.7	50
123	AMIGO2, a novel membrane anchor of PDK1, controls cell survival and angiogenesis via Akt activation. <i>Journal of Cell Biology</i> , 2015, 211, 619-637.	5.2	49
124	Quantitative Analysis of Peripheral Tissue Perfusion Using Spatiotemporal Molecular Dynamics. <i>PLoS ONE</i> , 2009, 4, e4275.	2.5	48
125	Biomedical significance of endothelial cell specific growth factor, angiopoietin. <i>Experimental and Molecular Medicine</i> , 2002, 34, 1-11.	7.7	47
126	Reversing the Intractable Nature of Pancreatic Cancer by Selectively Targeting ALDH-High, Therapy-Resistant Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e78130.	2.5	47

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127	Persistent and Heterogenous Expression of the Cyclin-dependent Kinase Inhibitor, p27KIP1, in Rat Hearts During Development. <i>Journal of Molecular and Cellular Cardiology</i> , 1998, 30, 463-474.	1.9	45
128	Angiopoietin-2 Exocytosis Is Stimulated by Sphingosine-1-Phosphate in Human Blood and Lymphatic Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 401-407.	2.4	43
129	Cerebral amyloid angiopathy aggravates perivascular clearance impairment in an Alzheimer's disease mouse model. <i>Acta Neuropathologica Communications</i> , 2020, 8, 181.	5.2	42
130	Membrane proteomic analysis of human mesenchymal stromal cells during adipogenesis. <i>Proteomics</i> , 2007, 7, 4181-4191.	2.2	40
131	Intracavernous Delivery of Synthetic Angiopoietin-1 Protein as a Novel Therapeutic Strategy for Erectile Dysfunction in the Type II Diabetic <i>db/db</i> Mouse. <i>Journal of Sexual Medicine</i> , 2010, 7, 3635-3646.	0.6	40
132	Angiopoietins contribute to lung development by regulating pulmonary vascular network formation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 218-223.	2.1	39
133	Tie2 activation promotes choriocapillary regeneration for alleviating neovascular age-related macular degeneration. <i>Science Advances</i> , 2019, 5, eaau6732.	10.3	39
134	Localization of Tie2 and phospholipase D in endothelial caveolae is involved in angiopoietin-1-induced MEK/ERK phosphorylation and migration in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 101-105.	2.1	38
135	Double Anti-angiogenic and Anti-inflammatory Protein Valpha Targeting VEGF-A and TNF- α in Retinopathy and Psoriasis. <i>Journal of Biological Chemistry</i> , 2011, 286, 14410-14418.	3.4	38
136	Endothelial Deletion of Phospholipase D2 Reduces Hypoxic Response and Pathological Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1697-1703.	2.4	38
137	Direct endothelial junction restoration results in significant tumor vascular normalization and metastasis inhibition in mice. <i>Oncotarget</i> , 2014, 5, 2761-2777.	1.8	38
138	Sox7 promotes high-grade glioma by increasing VEGFR2-mediated vascular abnormality. <i>Journal of Experimental Medicine</i> , 2018, 215, 963-983.	8.5	36
139	Distinct fibroblast subsets regulate lacteal integrity through YAP/TAZ-induced VEGF-C in intestinal villi. <i>Nature Communications</i> , 2020, 11, 4102.	12.8	36
140	YAP/TAZ direct commitment and maturation of lymph node fibroblastic reticular cells. <i>Nature Communications</i> , 2020, 11, 519.	12.8	35
141	Renal tubule regeneration after ischemic injury is coupled to the up-regulation and activation of cyclins and cyclin dependent kinases. <i>Kidney International</i> , 1997, 52, 706-714.	5.2	34
142	Intracavernous Delivery of Freshly Isolated Stromal Vascular Fraction Rescues Erectile Function by Enhancing Endothelial Regeneration in the Streptozotocin-Induced Diabetic Mouse. <i>Journal of Sexual Medicine</i> , 2012, 9, 3051-3065.	0.6	34
143	TRAIL negatively regulates VEGF-induced angiogenesis via caspase-8-mediated enzymatic and non-enzymatic functions. <i>Angiogenesis</i> , 2014, 17, 179-194.	7.2	34
144	Reprogramming of mouse somatic cells into pluripotent stem-like cells using a combination of small molecules. <i>Biomaterials</i> , 2014, 35, 7336-7345.	11.4	34

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145	Angiotensin-converting enzyme 2 variant, COMP-Ang1 attenuates hydrogen peroxide-induced acute lung injury. <i>Experimental and Molecular Medicine</i> , 2008, 40, 320.	7.7	32
146	Presence of immunoreactive atrial natriuretic peptide in follicular fluid, ovary and ovarian perfusates. <i>Life Sciences</i> , 1989, 45, 1581-1589.	4.3	31
147	Characterization of <i>ANGPT2</i> mutations associated with primary lymphedema. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	31
148	Alpha-lipoic acid inhibits fractalkine expression and prevents neointimal hyperplasia after balloon injury in rat carotid artery. <i>Atherosclerosis</i> , 2006, 189, 106-114.	0.8	30
149	Angiotensin-converting enzyme 2-integrin $\alpha 5 \beta 1$ signaling enhances vascular fatty acid transport and prevents ectopic lipid-induced insulin resistance. <i>Nature Communications</i> , 2020, 11, 2980.	12.8	30
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