

Jun Yu

List of Publications by Year in descending order

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83
papers

8,157
citations

46918

47
h-index

64668

79
g-index

85
all docs

85
docs citations

85
times ranked

11811
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genomes of <i>Oryza sativa</i> : A History of Duplications. <i>PLoS Biology</i> , 2005, 3, e38.	2.6	808
2	Dicer-dependent endothelial microRNAs are necessary for postnatal angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14082-14087.	3.3	453
3	Akt1/protein kinase B α is critical for ischemic and VEGF-mediated angiogenesis. <i>Journal of Clinical Investigation</i> , 2005, 115, 2119-2127.	3.9	341
4	Direct evidence for the role of caveolin-1 and caveolae in mechanotransduction and remodeling of blood vessels. <i>Journal of Clinical Investigation</i> , 2006, 116, 1284-1291.	3.9	318
5	Endothelial nitric oxide synthase is critical for ischemic remodeling, mural cell recruitment, and blood flow reserve. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10999-11004.	3.3	286
6	FGF Regulates TGF- β 2 Signaling and Endothelial-to-Mesenchymal Transition via Control of let-7 miRNA Expression. <i>Cell Reports</i> , 2012, 2, 1684-1696.	2.9	265
7	Loss of Akt1 Leads to Severe Atherosclerosis and Occlusive Coronary Artery Disease. <i>Cell Metabolism</i> , 2007, 6, 446-457.	7.2	253
8	Selective inhibition of tumor microvascular permeability by cavtratin blocks tumor progression in mice. <i>Cancer Cell</i> , 2003, 4, 31-39.	7.7	234
9	Ten-Eleven Translocation-2 (TET2) Is a Master Regulator of Smooth Muscle Cell Plasticity. <i>Circulation</i> , 2013, 128, 2047-2057.	1.6	231
10	Reexpression of caveolin-1 in endothelium rescues the vascular, cardiac, and pulmonary defects in global caveolin-1 knockout mice. <i>Journal of Experimental Medicine</i> , 2007, 204, 2373-2382.	4.2	224
11	A new role for Nogo as a regulator of vascular remodeling. <i>Nature Medicine</i> , 2004, 10, 382-388.	15.2	220
12	Caspase-1 Inflammasome Activation Mediates Homocysteine-Induced Pyroptosis in Endothelial Cells. <i>Circulation Research</i> , 2016, 118, 1525-1539.	2.0	198
13	Dissecting the molecular control of endothelial NO synthase by caveolin-1 using cell-permeable peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 761-766.	3.3	177
14	Prohibitin-1 maintains the angiogenic capacity of endothelial cells by regulating mitochondrial function and senescence. <i>Journal of Cell Biology</i> , 2008, 180, 101-112.	2.3	175
15	Cell-permeable peptides improve cellular uptake and therapeutic gene delivery of replication-deficient viruses in cells and in vivo. <i>Nature Medicine</i> , 2003, 9, 357-362.	15.2	163
16	Genetic Evidence Supporting a Critical Role of Endothelial Caveolin-1 during the Progression of Atherosclerosis. <i>Cell Metabolism</i> , 2009, 10, 48-54.	7.2	152
17	Endothelial-specific expression of caveolin-1 impairs microvascular permeability and angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 204-209.	3.3	150
18	VEGF-Induced Expression of miR-17-92 Cluster in Endothelial Cells Is Mediated by ERK/ELK1 Activation and Regulates Angiogenesis. <i>Circulation Research</i> , 2016, 118, 38-47.	2.0	141

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19	Endothelial nitric oxide synthase activation is critical for vascular leakage during acute inflammation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 904-908.	3.3	140
20	Inhibitor of apoptosis protein survivin regulates vascular injury. <i>Nature Medicine</i> , 2002, 8, 987-994.	15.2	134
21	Genetic Evidence Supporting Caveolae Microdomain Regulation of Calcium Entry in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 16631-16643.	1.6	132
22	Caveolin-1 Deficient Mice Have Increased Tumor Microvascular Permeability, Angiogenesis, and Growth. <i>Cancer Research</i> , 2007, 67, 2849-2856.	0.4	129
23	Identification of a receptor necessary for Nogo-B stimulated chemotaxis and morphogenesis of endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10997-11002.	3.3	128
24	Integrated analysis of phenome, genome, and transcriptome of hybrid rice uncovered multiple heterosis-related loci for yield increase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6026-E6035.	3.3	126
25	Role of Endoplasmic Reticulum Stress, Autophagy, and Inflammation in Cardiovascular Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 29.	1.1	125
26	Smooth Muscle miRNAs Are Critical for Post-Natal Regulation of Blood Pressure and Vascular Function. <i>PLoS ONE</i> , 2011, 6, e18869.	1.1	116
27	eNOS derived nitric oxide regulates endothelial barrier function via VE cadherin and Rho GTPases. <i>Journal of Cell Science</i> , 2013, 126, 5541-52.	1.2	112
28	Functional Reconstitution of Endothelial Nitric Oxide Synthase Reveals the Importance of Serine 1179 in Endothelium-Dependent Vasomotion. <i>Circulation Research</i> , 2002, 90, 904-910.	2.0	110
29	Thrombospondin-2 Modulates Extracellular Matrix Remodeling during Physiological Angiogenesis. <i>American Journal of Pathology</i> , 2008, 173, 879-891.	1.9	95
30	Novel extracellular and nuclear caspase-1 and inflammasomes propagate inflammation and regulate gene expression: a comprehensive database mining study. <i>Journal of Hematology and Oncology</i> , 2016, 9, 122.	6.9	92
31	Endothelial-Specific Overexpression of Caveolin-1 Accelerates Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>American Journal of Pathology</i> , 2010, 177, 998-1003.	1.9	91
32	Trained Immunity: An Underlying Driver of Inflammatory Atherosclerosis. <i>Frontiers in Immunology</i> , 2020, 11, 284.	2.2	89
33	Chronic Kidney Disease Induces Inflammatory CD40 ⁺ Monocyte Differentiation via Homocysteine Elevation and DNA Hypomethylation. <i>Circulation Research</i> , 2016, 119, 1226-1241.	2.0	88
34	The Akt1-eNOS Axis Illustrates the Specificity of Kinase-Substrate Relationships in Vivo. <i>Science Signaling</i> , 2009, 2, ra41.	1.6	84
35	Reticulon 4B (Nogo-B) is necessary for macrophage infiltration and tissue repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17511-17516.	3.3	82
36	Critical function of Bmx/Etk in ischemia-mediated arteriogenesis and angiogenesis. <i>Journal of Clinical Investigation</i> , 2006, 116, 2344-55.	3.9	73

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37	Lysophospholipid Receptors, as Novel Conditional Danger Receptors and Homeostatic Receptors Modulate Inflammation—Novel Paradigm and Therapeutic Potential. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 343-359.	1.1	71
38	<i>Enterobacter aerogenes</i> ZDY01 Attenuates Choline-Induced Trimethylamine N-Oxide Levels by Remodeling Gut Microbiota in Mice. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1491-1499.	0.9	67
39	Analyses of caspase-1-regulated transcriptomes in various tissues lead to identification of novel IL-1 β -, IL-18- and sirtuin-1-independent pathways. <i>Journal of Hematology and Oncology</i> , 2017, 10, 40.	6.9	64
40	Increased acetylation of H3K14 in the genomic regions that encode trained immunity enzymes in lysophosphatidylcholine-activated human aortic endothelial cells — Novel qualification markers for chronic disease risk factors and conditional DAMPs. <i>Redox Biology</i> , 2019, 24, 101221.	3.9	64
41	LMO7 Is a Negative Feedback Regulator of Transforming Growth Factor β 2 Signaling and Fibrosis. <i>Circulation</i> , 2019, 139, 679-693.	1.6	63
42	Endothelial nitric oxide synthase controls the expression of the angiogenesis inhibitor thrombospondin 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1137-45.	3.3	62
43	Endothelial miR-17 \sim 1492 cluster negatively regulates arteriogenesis via miRNA-19 repression of WNT signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12812-12817.	3.3	61
44	Tiliroside Ameliorates Ulcerative Colitis by Restoring the M1/M2 Macrophage Balance via the HIF-1 α /glycolysis Pathway. <i>Frontiers in Immunology</i> , 2021, 12, 649463.	2.2	58
45	Vascular smooth muscle cell-derived adiponectin: A paracrine regulator of contractile phenotype. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 474-484.	0.9	56
46	An engineered VEGF β -activating zinc finger protein transcription factor improves blood flow and limb salvage in advanced β mice. <i>FASEB Journal</i> , 2006, 20, 479-481.	0.2	53
47	Twenty Novel Disease Group-Specific and 12 New Shared Macrophage Pathways in Eight Groups of 34 Diseases Including 24 Inflammatory Organ Diseases and 10 Types of Tumors. <i>Frontiers in Immunology</i> , 2019, 10, 2612.	2.2	50
48	Heat shock protein 90 and tyrosine kinase regulate eNOS NO \cdot generation but not NO \cdot bioactivity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H561-H569.	1.5	47
49	Macrophage β 2 Integrin α -Mediated, HuR-Dependent Stabilization of Angiogenic Factor α -Encoding mRNAs in Inflammatory Angiogenesis. <i>American Journal of Pathology</i> , 2012, 180, 1751-1760.	1.9	47
50	Ceramide-Activated Phosphatase Mediates Fatty Acid α -Induced Endothelial VEGF Resistance and Impaired Angiogenesis. <i>American Journal of Pathology</i> , 2014, 184, 1562-1576.	1.9	41
51	Epithelial reticulon 4B (Nogo-B) is an endogenous regulator of Th2-driven lung inflammation. <i>Journal of Experimental Medicine</i> , 2010, 207, 2595-2607.	4.2	39
52	Phosphorylation of GATA-6 is required for vascular smooth muscle cell differentiation after mTORC1 inhibition. <i>Science Signaling</i> , 2015, 8, ra44.	1.6	39
53	In Vivo Modulation of Nogo-B Attenuates Neointima Formation. <i>Molecular Therapy</i> , 2008, 16, 1798-1804.	3.7	37
54	Serial Noninvasive Targeted Imaging of Peripheral Angiogenesis: Validation and Application of a Semiautomated Quantitative Approach. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1356-1363.	2.8	36

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55	NMMHC IIA inhibition impedes tissue factor expression and venous thrombosis via Akt/GSK3 β -NF- κ B signalling pathways in the endothelium. <i>Thrombosis and Haemostasis</i> , 2015, 114, 173-185.	1.8	36
56	Atoh1 and other related key regulators in the development of auditory sensory epithelium in the mammalian inner ear: function and interplay. <i>Developmental Biology</i> , 2019, 446, 133-141.	0.9	35
57	Endothelium Derived Nitric Oxide Synthase Negatively Regulates the PDGF-Survivin Pathway during Flow-Dependent Vascular Remodeling. <i>PLoS ONE</i> , 2012, 7, e31495.	1.1	33
58	Notoginsenoside R1 inhibits vascular smooth muscle cell proliferation, migration and neointimal hyperplasia through PI3K/Akt signaling. <i>Scientific Reports</i> , 2018, 8, 7595.	1.6	32
59	Nitric Oxide Releasing Aspirin Decreases Vascular Injury by Reducing Inflammation and Promoting Apoptosis. <i>Laboratory Investigation</i> , 2002, 82, 825-832.	1.7	30
60	A Murine Model of Hind Limb Ischemia to Study Angiogenesis and Arteriogenesis. <i>Methods in Molecular Biology</i> , 2018, 1717, 135-143.	0.4	29
61	Endothelial Glucocorticoid Receptor Suppresses Atherogenesis Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 779-782.	1.1	28
62	Fabrication, self-assembly and biomedical applications of luminescent sodium hyaluronate with aggregation-induced emission feature. <i>Materials Science and Engineering C</i> , 2017, 81, 120-126.	3.8	26
63	HIF-1 α represses the expression of the angiogenesis inhibitor thrombospondin-2. <i>Matrix Biology</i> , 2018, 65, 45-58.	1.5	26
64	A comprehensive data mining study shows that most nuclear receptors act as newly proposed homeostasis-associated molecular pattern receptors. <i>Journal of Hematology and Oncology</i> , 2017, 10, 168.	6.9	23
65	Thrombus leukocytes exhibit more endothelial cell-specific angiogenic markers than peripheral blood leukocytes do in acute coronary syndrome patients, suggesting a possibility of trans-differentiation: a comprehensive database mining study. <i>Journal of Hematology and Oncology</i> , 2017, 10, 74.	6.9	22
66	Opposing Actions of AKT (Protein Kinase B) Isoforms in Vascular Smooth Muscle Injury and Therapeutic Response. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2311-2321.	1.1	22
67	Identification and Regulation of Reticulon 4B (Nogo-B) in Renal Tubular Epithelial Cells. <i>American Journal of Pathology</i> , 2010, 177, 2765-2773.	1.9	17
68	Comprehensive off-target analysis of dCas9-SAM-mediated HIV reactivation via long noncoding RNA and mRNA profiling. <i>BMC Medical Genomics</i> , 2018, 11, 78.	0.7	15
69	Interleukin 35 Delays Hindlimb Ischemia-Induced Angiogenesis Through Regulating ROS-Extracellular Matrix but Spares Later Regenerative Angiogenesis. <i>Frontiers in Immunology</i> , 2020, 11, 595813.	2.2	13
70	Saponin monomer 13 of dwarf lilyturf tuber (DT-13) protects serum withdrawal-induced apoptosis through PI3K/Akt in HUVEC. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 74-79.	1.0	12
71	An allosteric site on MKP5 reveals a strategy for small-molecule inhibition. <i>Science Signaling</i> , 2020, 13, eaba3043.	1.6	12
72	Organelle Crosstalk Regulators Are Regulated in Diseases, Tumors, and Regulatory T Cells: Novel Classification of Organelle Crosstalk Regulators. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 713170.	1.1	11

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73	Aorta in Pathologies May Function as an Immune Organ by Upregulating Secretomes for Immune and Vascular Cell Activation, Differentiation and Trans-Differentiation” Early Secretomes may Serve as Drivers for Trained Immunity. <i>Frontiers in Immunology</i> , 2022, 13, 858256.	2.2	10
74	The Soluble (Pro)Renin Receptor in Health and Diseases: Foe or Friend?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 378, 251-261.	1.3	8
75	<i>Enterobacter aerogenes</i> ZDY01 inhibits choline-induced atherosclerosis through CDCA-FXR-FGF15 axis. <i>Food and Function</i> , 2021, 12, 9932-9946.	2.1	7
76	MAP Kinase Phosphatase-5 Deficiency Protects Against Pressure Overload-Induced Cardiac Fibrosis. <i>Frontiers in Immunology</i> , 2021, 12, 790511.	2.2	6
77	Anemoside B4 Inhibits Vascular Smooth Muscle Cell Proliferation, Migration, and Neointimal Hyperplasia. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	6
78	Ziyuglycoside II alleviates cyclophosphamide-induced leukopenia in mice via regulation of HSPC proliferation and differentiation. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110862.	2.5	4
79	Deletion of LDLRAP1 Induces Atherosclerotic Plaque Formation, Insulin Resistance, and Dysregulated Insulin Response in Adipose Tissue. <i>American Journal of Pathology</i> , 2022, , .	1.9	3
80	Response to Letter Regarding Article, “Ten-Eleven Translocation-2 (TET2) Is a Master Regulator of Smooth Muscle Cell Plasticity” • <i>Circulation</i> , 2014, 130, e72.	1.6	1
81	PS224. Nogo-B Protein Modulates Intimal Thickening During Vein Graft Adaptation. <i>Journal of Vascular Surgery</i> , 2010, 51, 77S.	0.6	0
82	Nogo” limits intima”media thickening during mouse vein graft adaptation. <i>FASEB Journal</i> , 2008, 22, 174.4.	0.2	0
83	Abstract 434: Nogo-B Regulates Hyperglycemia Induced Endothelial Dysfunction by Modulating Mitochondria Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, .	1.1	0