

Christopher D Kontos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6250725/publications.pdf>

Version: 2024-02-01

81
papers

5,540
citations

66234

42
h-index

76769

74
g-index

85
all docs

85
docs citations

85
times ranked

7625
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular Endothelial Growth Factor Receptor-1 Modulates Vascular Endothelial Growth Factor-Mediated Angiogenesis via Nitric Oxide. <i>American Journal of Pathology</i> , 2001, 159, 993-1008.	1.9	265
2	A crucial role for GRK2 in regulation of endothelial cell nitric oxide synthase function in portal hypertension. <i>Nature Medicine</i> , 2005, 11, 952-958.	15.2	234
3	IQGAP1, a Novel Vascular Endothelial Growth Factor Receptor Binding Protein, Is Involved in Reactive Oxygen Species-Dependent Endothelial Migration and Proliferation. <i>Circulation Research</i> , 2004, 95, 276-283.	2.0	223
4	Cadmium induction of reactive oxygen species activates the mTOR pathway, leading to neuronal cell death. <i>Free Radical Biology and Medicine</i> , 2011, 50, 624-632.	1.3	214
5	Tyrosine 1101 of Tie2 Is the Major Site of Association of p85 and Is Required for Activation of Phosphatidylinositol 3-Kinase and Akt. <i>Molecular and Cellular Biology</i> , 1998, 18, 4131-4140.	1.1	202
6	Endogenous S-nitrosothiols protect against myocardial injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6297-6302.	3.3	201
7	Impaired Angiogenesis After Hindlimb Ischemia in Type 2 Diabetes Mellitus. <i>Circulation Research</i> , 2007, 101, 948-956.	2.0	192
8	Negative Regulation of Myofibroblast Differentiation by PTEN (Phosphatase and Tensin Homolog) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 112-121.	2.5	186
9	Targeting VE-PTP activates TIE2 and stabilizes the ocular vasculature. <i>Journal of Clinical Investigation</i> , 2014, 124, 4564-4576.	3.9	174
10	PTEN Modulates Vascular Endothelial Growth Factor-Mediated Signaling and Angiogenic Effects. <i>Journal of Biological Chemistry</i> , 2002, 277, 10760-10766.	1.6	168
11	A systems biology perspective on sVEGFR1: its biological function, pathogenic role and therapeutic use. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 528-552.	1.6	161
12	Inhibition of rat corneal angiogenesis by a nuclease-resistant RNA aptamer specific for angiopoietin-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5028-5033.	3.3	150
13	Functional Significance of Tie2 Signaling in the Adult Vasculature. <i>Endocrine Reviews</i> , 2004, 59, 51-71.	7.1	150
14	PTEN as an effector in the signaling of antimigratory G protein-coupled receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4312-4317.	3.3	149
15	VEGF Induces Tie2 Shedding via a Phosphoinositide 3-Kinase/Akt-Dependent Pathway to Modulate Tie2 Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2619-2626.	1.1	147
16	Endothelin-1 Activates Endothelial Cell Nitric-oxide Synthase via Heterotrimeric G-protein β^3 Subunit Signaling to Protein Kinase B/Akt. <i>Journal of Biological Chemistry</i> , 2003, 278, 49929-49935.	1.6	132
17	Allelic and locus heterogeneity in inherited venous malformations. <i>Human Molecular Genetics</i> , 1999, 8, 1279-1289.	1.4	121
18	Activation of Vascular Endothelial Growth Factor Receptor-1 Sustains Angiogenesis and Bcl-2 Expression Via the Phosphatidylinositol 3-Kinase Pathway in Endothelial Cells. <i>Diabetes</i> , 2003, 52, 2959-2968.	0.3	115

#	ARTICLE	IF	CITATIONS
19	In Mice With Type 2 Diabetes, a Vascular Endothelial Growth Factor (VEGF)-Activating Transcription Factor Modulates VEGF Signaling and Induces Therapeutic Angiogenesis After Hindlimb Ischemia. <i>Diabetes</i> , 2007, 56, 656-665.	0.3	109
20	Inhibition of Vascular Smooth Muscle Cell Proliferation, Migration, and Survival by the Tumor Suppressor Protein PTEN. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 745-751.	1.1	98
21	Plasma Levels of Soluble Tie2 and Vascular Endothelial Growth Factor Distinguish Critical Limb Ischemia From Intermittent Claudication in Patients With Peripheral Arterial Disease. <i>Journal of the American College of Cardiology</i> , 2008, 52, 387-393.	1.2	96
22	The Endothelial Receptor Tyrosine Kinase Tie1 Activates Phosphatidylinositol 3-Kinase and Akt To Inhibit Apoptosis. <i>Molecular and Cellular Biology</i> , 2002, 22, 1704-1713.	1.1	91
23	Systemic Overexpression of Angiopoietin-2 Promotes Tumor Microvessel Regression and Inhibits Angiogenesis and Tumor Growth. <i>Cancer Research</i> , 2007, 67, 3835-3844.	0.4	88
24	HCPTPA, a Protein Tyrosine Phosphatase That Regulates Vascular Endothelial Growth Factor Receptor-mediated Signal Transduction and Biological Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 38183-38188.	1.6	79
25	Inactivation of the tumour suppressor, PTEN, in smooth muscle promotes a pro-inflammatory phenotype and enhances neointima formation. <i>Cardiovascular Research</i> , 2010, 86, 274-282.	1.8	78
26	p53 Functions in Endothelial Cells to Prevent Radiation-Induced Myocardial Injury in Mice. <i>Science Signaling</i> , 2012, 5, ra52.	1.6	74
27	Engineered Zinc Finger-Activating Vascular Endothelial Growth Factor Transcription Factor Plasmid DNA Induces Therapeutic Angiogenesis in Rabbits With Hindlimb Ischemia. <i>Circulation</i> , 2004, 110, 2467-2475.	1.6	71
28	RNA Aptamer-targeted Inhibition of NF- κ B Suppresses Non-small Cell Lung Cancer Resistance to Doxorubicin. <i>Molecular Therapy</i> , 2008, 16, 66-73.	3.7	70
29	Skeletal Muscle-Specific Genetic Determinants Contribute to the Differential Strain-Dependent Effects of Hindlimb Ischemia in Mice. <i>American Journal of Pathology</i> , 2012, 180, 2156-2169.	1.9	66
30	In vivo tumor targeting by a NGR-decorated micelle of a recombinant diblock copolypeptide. <i>Journal of Controlled Release</i> , 2011, 155, 144-151.	4.8	63
31	VEGF and soluble VEGF receptor-1 (sFlt-1) distributions in peripheral arterial disease: an in silico model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H2174-H2191.	1.5	59
32	Association of Variants in <i>BAG3</i> With Cardiomyopathy Outcomes in African American Individuals. <i>JAMA Cardiology</i> , 2018, 3, 929.	3.0	57
33	Targeting the Tie2/Tek Receptor in Astrocytomas. <i>American Journal of Pathology</i> , 2004, 164, 467-476.	1.9	55
34	Acute local subcutaneous VEGF165 injection for augmentation of skin flap viability: efficacy and mechanism. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R1219-R1229.	0.9	51
35	BAG3 (Bcl-2-Associated Athanogene-3) Coding Variant in Mice Determines Susceptibility to Ischemic Limb Muscle Myopathy by Directing Autophagy. <i>Circulation</i> , 2017, 136, 281-296.	1.6	51
36	Deletion of the Carboxyl Terminus of Tie2 Enhances Kinase Activity, Signaling, and Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 31768-31773.	1.6	50

#	ARTICLE	IF	CITATIONS
37	Inhibition of In Vivo Tumor Angiogenesis and Growth Via Systemic Delivery of an Angiopoietin 2-Specific RNA Aptamer. <i>Journal of Surgical Research</i> , 2008, 146, 16-23.	0.8	50
38	H1 RNA polymerase III promoter-driven expression of an RNA aptamer leads to high-level inhibition of intracellular protein activity. <i>Nucleic Acids Research</i> , 2006, 34, 3577-3584.	6.5	49
39	Adenovirus-Mediated Intraarterial Delivery of PTEN Inhibits Neointimal Hyperplasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 354-358.	1.1	47
40	Up-regulating Sphingosine 1-Phosphate Receptor-2 Signaling Impairs Chemotactic, Wound-healing, and Morphogenetic Responses in Senescent Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 30363-30375.	1.6	46
41	Infection-Induced Vascular Permeability Aids Mycobacterial Growth. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw355.	1.9	46
42	Angiopoietin-Tie Signaling Pathway in Endothelial Cells: A Computational Model. <i>IScience</i> , 2019, 20, 497-511.	1.9	46
43	Angiopoietin-2 Confers Atheroprotection in apoE ^{-/-} Mice by Inhibiting LDL Oxidation via Nitric Oxide. <i>Circulation Research</i> , 2009, 104, 1333-1336.	2.0	43
44	Loss of Phosphatase and Tensin Homologue Increases Transforming Growth Factor β -Mediated Invasion with Enhanced SMAD3 Transcriptional Activity. <i>Cancer Research</i> , 2005, 65, 11276-11281.	0.4	42
45	Phosphatase and tensin homolog (PTEN) regulates hepatic lipogenesis, microsomal triglyceride transfer protein, and the secretion of apolipoprotein B-containing lipoproteins. <i>Hepatology</i> , 2008, 48, 1799-1809.	3.6	42
46	Angiopoietin-1 enhances skeletal muscle regeneration in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R576-R589.	0.9	40
47	Subacute limb ischemia induces skeletal muscle injury in genetically susceptible mice independent of vascular density. <i>Journal of Vascular Surgery</i> , 2016, 64, 1101-1111.e2.	0.6	40
48	Responses of vascular endothelial cells to angiogenic signaling are important for tumor cell survival. <i>FASEB Journal</i> , 2004, 18, 326-328.	0.2	39
49	An engineered vascular endothelial growth factor-activating transcription factor induces therapeutic angiogenesis in ApoE knockout mice with hindlimb ischemia. <i>Journal of Vascular Surgery</i> , 2006, 44, 166-175.	0.6	39
50	Haploinsufficiency of Bcl2-associated athanogene 3 in mice results in progressive left ventricular dysfunction, adrenergic insensitivity, and increased apoptosis. <i>Journal of Cellular Physiology</i> , 2018, 233, 6319-6326.	2.0	32
51	Tie1: an orphan receptor provides context for angiopoietin-2/Tie2 signaling. <i>Journal of Clinical Investigation</i> , 2016, 126, 3188-3191.	3.9	30
52	Cholesterol Feeding Reduces Vascular Endothelial Growth Factor Signaling in Rabbit Corporal Tissues. <i>Journal of Sexual Medicine</i> , 2005, 2, 634-640.	0.3	28
53	Modulation of phosphatidylinositol 3-kinase signaling reduces intimal hyperplasia in aortocoronary saphenous vein grafts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 129, 1405-1413.	0.4	28
54	Efficacy and mechanism of adenovirus-mediated VEGF-165 gene therapy for augmentation of skin flap viability. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H127-H137.	1.5	28

#	ARTICLE	IF	CITATIONS
55	Muscle cell derived angiopoietin-1 contributes to both myogenesis and angiogenesis in the ischemic environment. <i>Frontiers in Physiology</i> , 2015, 6, 161.	1.3	28
56	Dysregulation of mitochondrial bioenergetics and quality control by HIV-1 Tat in cardiomyocytes. <i>Journal of Cellular Physiology</i> , 2018, 233, 748-758.	2.0	22
57	APOE4 -VLDL Inhibits the HDL-Activated Phosphatidylinositol 3-Kinase/Akt Pathway via the Phosphoinositol Phosphatase SHIP2. <i>Circulation Research</i> , 2006, 99, 829-836.	2.0	21
58	Gene therapy for the prevention of vein graft disease. <i>Translational Research</i> , 2013, 161, 321-338.	2.2	21
59	Angiogenesis. <i>Current Atherosclerosis Reports</i> , 1999, 1, 165-171.	2.0	20
60	Phosphatase and Tensin Homologue on Chromosome 10 (PTEN) Directs Prostaglandin E2-mediated Fibroblast Responses via Regulation of E Prostanoid 2 Receptor Expression. <i>Journal of Biological Chemistry</i> , 2009, 284, 32264-32271.	1.6	20
61	Systemic soluble Tie2 expression inhibits and regresses corneal neovascularization. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 194-199.	1.0	19
62	Methods for Acute and Subacute Murine Hindlimb Ischemia. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	19
63	Addressing the physician-scientist pipeline: strategies to integrate research into clinical training programs. <i>Journal of Clinical Investigation</i> , 2020, 130, 1058-1061.	3.9	19
64	A nuclease-resistant RNA aptamer specifically inhibits angiopoietin-1-mediated Tie2 activation and function. <i>Angiogenesis</i> , 2008, 11, 395-401.	3.7	18
65	Computational kinetic model of VEGF trapping by soluble VEGF receptor-1: effects of transendothelial and lymphatic macromolecular transport. <i>Physiological Genomics</i> , 2009, 38, 29-41.	1.0	18
66	Angiopoietin-1 promotes atherosclerosis by increasing the proportion of circulating Gr1 ⁺ monocytes. <i>Cardiovascular Research</i> , 2017, 113, 81-89.	1.8	17
67	A Comparison of Antiangiogenic Therapies for the Prevention of Liver Metastases. <i>Journal of Surgical Research</i> , 2006, 131, 97-104.	0.8	14
68	Mitochondrial dysfunction in human immunodeficiency virus-1 transgenic mouse cardiac myocytes. <i>Journal of Cellular Physiology</i> , 2019, 234, 4432-4444.	2.0	14
69	More than skin deep: connecting melanocyte pigmentation and angiogenic diseases. <i>Journal of Clinical Investigation</i> , 2014, 124, 76-79.	3.9	13
70	A VEGF Trap Inhibits the Beneficial Effect of bFGF on Vasoreactivity in Corporal Tissues of Hypercholesterolemic Rabbits. <i>Journal of Sexual Medicine</i> , 2008, 5, 2069-2078.	0.3	9
71	Precision Medicine for Heart Failure. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	9
72	Phosphorylation of Threonine 794 on Tie1 by Rac1/PAK1 Reveals a Novel Angiogenesis Regulatory Pathway. <i>PLoS ONE</i> , 2015, 10, e0139614.	1.1	8

#	ARTICLE	IF	CITATIONS
73	A systems biology model of junctional localization and downstream signaling of the Angâ€Tie signaling pathway. Npj Systems Biology and Applications, 2021, 7, 34.	1.4	7
74	Engineered transcription factors for therapeutic angiogenesis. Current Opinion in Molecular Therapeutics, 2007, 9, 145-52.	2.8	6
75	Pearls of wisdom for aspiring physician-scientist residency applicants and program directors. JCI Insight, 2022, 7, .	2.3	5
76	High Cholesterol Feeding in C57/Blc6 Mice Alters Expression within The VEGF Receptor-Ligand Family in Corporal Tissue. Journal of Sexual Medicine, 2008, 5, 1137-1148.	0.3	4
77	Inhibiting the Inhibitor: Targeting Vascular Endothelial Protein Tyrosine Phosphatase to Promote Tumor Vascular Maturation. Journal of the National Cancer Institute, 2013, 105, 1163-1165.	3.0	3
78	Abstract 14: Caskin2 is a Novel Regulator of Endothelial Cell Quiescence. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	1.1	1
79	Gene Therapy for the Prevention of Vein Graft Disease. , 2015, , 227-246.		0
80	Computational Systems Biology Modeling of the Angiopoietinâ€Tie Signaling Pathway and its Crosstalk with I±5I²1 Integrin in Endothelial Cells. FASEB Journal, 2021, 35, .	0.2	0
81	Endothelial Regulation of Microvascular Growth and Stability by Angâ€Tie and VEGF Signaling Pathways: A Mechanistic Computational Systems Biology Model. FASEB Journal, 2022, 36, .	0.2	0