Lih Kuo

List of Publications by Year
in descending order

104 papers	5,437 citations	101496 36 h-index	95218 68 g-index
105 all docs	105 docs citations	105 times ranked	5090 citing authors

#	Article	IF	Citations
1	Intravitreal Administration of Stanniocalcin-1 Rescues Photoreceptor Degeneration with Reduced Oxidative Stress and Inflammation in a Porcine Model of Retinitis Pigmentosa. American Journal of Ophthalmology, 2022, 239, 230-243.	1.7	2
2	Visualization of Retinal. Methods in Molecular Biology, 2021, 2319, 111-117.	0.4	1
3	Contributions of Sodium-Hydrogen Exchanger 1 and Mitogen-Activated Protein Kinases to Enhanced Retinal Venular Constriction to Endothelin-1 in Diabetes. Diabetes, 2021, 70, 2353-2363.	0.3	3
4	Activation of Coronary Arteriolar PKCÎ²2 Impairs Endothelial NO-Mediated Vasodilation: Role of JNK/Rho Kinase Signaling and Xanthine Oxidase Activation. International Journal of Molecular Sciences, 2021, 22, 9763.	1.8	4
5	Retinal blood flow dysregulation precedes neural retinal dysfunction in type 2 diabetic mice. Scientific Reports, 2021, 11, 18401.	1.6	13
6	Laser-Induced Choroidal Neovascularization in Rats. Methods in Molecular Biology, 2021, 2319, 77-85.	0.4	2
7	Hyperglycemia Augments Endothelin-1â€“Induced Constriction of Human Retinal Venules. Translational Vision Science and Technology, 2020, 9, 1.	1.1	8
8	Longitudinal stability of retinal blood flow regulation in response to flicker stimulation and systemic hyperoxia in mice assessed with laser speckle flowgraphy. Scientific Reports, 2020, 10, 19796.	1.6	11
9	Role of Arginase in Selective Impairment of Endothelium-Dependent Nitric Oxide Synthase-Mediated Dilation of Retinal Arterioles during Early Diabetes. , 2020, 61, 36.		10
10	Newly Identified Peptide, Peptide Lv, Promotes Pathological Angiogenesis. Journal of the American Heart Association, 2019, 8, e013673.	1.6	6
11	Hyperglycemia Enhances Constriction of Retinal Venules via Activation of the Reverse-Mode Sodium-Calcium Exchanger. Diabetes, 2019, 68, db190069.	0.3	10
12	Requisite roles of LOX-1, JNK, and arginase in diabetes-induced endothelial vasodilator dysfunction of porcine coronary arterioles. Journal of Molecular and Cellular Cardiology, 2019, 131, 82-90.	0.9	14
13	Alterations of Ocular Hemodynamics Impair Ophthalmic Vascular and Neuroretinal Function. American Journal of Pathology, 2018, 188, 818-827.	1.9	9
14	Data on SD-OCT image acquisition, ultrastructural features, and horizontal tissue shrinkage in the porcine retina. Data in Brief, 2018, 21, 1019-1025.	0.5	5
15	Constriction of Retinal Venules to Endothelin-1: Obligatory Roles of ET_A Receptors, Extracellular Calcium Entry, and Rho Kinase. , 2018, 59, 5167.		27
16	Intravitreal Stanniocalcin-1 Enhances New Blood Vessel Growth in a Rat Model of Laser-Induced Choroidal Neovascularization. , 2018, 59, 1125.		9
17	Correlation of spectral domain optical coherence tomography with histology and electron microscopy in the porcine retina. Experimental Eye Research, 2018, 177, 181-190.	1.2	40
18	Role of Myocardial Endothelinâ€Converting Enzyme in Promoting Coronary Arteriolar Constriction during Diabetes. FASEB Journal, 2018, 32, 705.4.	0.2	0

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19	Hyperglycemia Enhances Constriction of Retinal Venules to Endothelinâ€1 via Activation of the Reverseâ€Mode Sodiumâ€Calcium Exchanger. FASEB Journal, 2018, 32, 710.2.	0.2	0
20	Enhanced endothelin-1/Rho-kinase signalling and coronary microvascular dysfunction in hypertensive myocardial hypertrophy. Cardiovascular Research, 2017, 113, 1329-1337.	1.8	53
21	Histamine-Induced Dilation of Isolated Porcine Retinal Arterioles: Role of Endothelium-Derived Hyperpolarizing Factor. , 2016, 57, 4791.		12
22	Acute and Chronic Hyperglycemia Elicit JIP1/JNK-Mediated Endothelial Vasodilator Dysfunction of Retinal Arterioles. , 2016, 57, 4333.		23
23	Safety and toxicity of nanomaterials for ocular drug delivery applications. Nanotoxicology, 2016, 10, 836-860.	1.6	48
24	VEGF Receptor-2â€“Linked PI3K/Calpain/SIRT1 Activation Mediates Retinal Arteriolar Dilations to VEGF and Shear Stress. , 2015, 56, 5381.		19
25	Endothelin-1 impairs coronary arteriolar dilation: Role of p38 kinase-mediated superoxide production from NADPH oxidase. Journal of Molecular and Cellular Cardiology, 2015, 86, 75-84.	0.9	25
26	Selective Activation of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 Mediates C-Reactive Proteinâ€“Evoked Endothelial Vasodilator Dysfunction in Coronary Arterioles. Circulation Research, 2014, 114, 92-100.	2.0	27
27	Stromal Interaction Molecule 1 (STIM1) and Orai1 Mediate Histamine-evoked Calcium Entry and Nuclear Factor of Activated T-cells (NFAT) Signaling in Human Umbilical Vein Endothelial Cells. Journal of Biological Chemistry, 2014, 289, 29446-29456.	1.6	33
28	Vasomotor Regulation of Coronary Microcirculation by Oxidative Stress: Role of Arginase. Frontiers in Immunology, 2013, 4, 237.	2.2	28
29	Differential Roles of the C and N Termini of Orai1 Protein in Interacting with Stromal Interaction Molecule 1 (STIM1) for Ca2+ Release-activated Ca2+ (CRAC) Channel Activation. Journal of Biological Chemistry, 2013, 288, 11263-11272.	1.6	83
30	Cellular signalling pathways mediating dilation of porcine pial arterioles to adenosine A2A receptor activation. Cardiovascular Research, 2013, 99, 156-163.	1.8	20
31	Role of Endothelium in Vasomotor Responses to Endothelin System and Protein Kinase C Activation in Porcine Retinal Arterioles. , 2013, 54, 7587.		12
32	Role of Endothelium in Vasomotor Responses to Endothelin System and Protein Kinase C Activation in Porcine Retinal Arterioles. Investigative Ophthalmology and Visual Science, 2013, 54, 7587-7594.	3.3	10
33	Temporal Development of Retinal Arteriolar Endothelial Dysfunction in Porcine Type 1 Diabetes. , 2012, 53, 7943.		31
34	Retinal arteriolar responses to acute severe elevation in systemic blood pressure in cats: Role of endothelium-derived factors. Experimental Eye Research, 2012, 103, 63-70.	1.2	17
35	A prototype tissue engineered blood vessel using amniotic membrane as scaffold. Acta Biomaterialia, 2012, 8, 3342-3348.	4.1	27
36	Acute Retinal Ischemia Inhibits Endothelium-Dependent Nitric Oxideâ€“Mediated Dilation of Retinal Arterioles via Enhanced Superoxide Production. , 2012, 53, 30.		14

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37	Constriction of Retinal Arterioles to Endothelin-1: Requisite Role of Rho Kinase Independent of Protein Kinase C and L-Type Calcium Channels. , 2012, 53, 2904.		28
38	Regulation of Coronary Vasomotor Function by Reactive Oxygen Species. Molecular Medicine & Therapeutics, 2012, 01, .	1.0	5
39	Diabetes induces endothelial dysfunction: role of eNOS uncoupling and arginase. FASEB Journal, 2012, 26, 678.4.	0.2	0
40	PKC activation impairs endotheliumâ€dependent NOâ€mediated dilation of coronary arterioles via enhanced superoxide production from xanthine oxidase. FASEB Journal, 2012, 26, 678.3.	0.2	0
41	Cardiac Pressure Overload Elicits Coronary Circulatory Dysfunction in Mice. FASEB Journal, 2012, 26, 1055.3.	0.2	0
42	Endothelinâ€1 Signaling in Coronary Arteriolar Constriction. FASEB Journal, 2012, 26, 1055.2.	0.2	0
43	High glucose impairs EDHF-mediated dilation of coronary arterioles via reduced cytochrome P450 activity. Microvascular Research, 2011, 82, 356-363.	1.1	17
44	Oxidized Low-Density Lipoprotein Inhibits Nitric Oxide-Mediated Coronary Arteriolar Dilation by Up-regulating Endothelial Arginase I. Microcirculation, 2011, 18, 36-45.	1.0	38
45	Divergent Roles of Nitric Oxide and Rho Kinase in Vasomotor Regulation of Human Retinal Arterioles. , 2010, 51, 1583.		60
46	Retinal arteriolar endothelial dysfunction in early stage of diabetes in porcine model. FASEB Journal, 2010, 24, 592.4.	0.2	0
47	Functional and Molecular Characterization of the Endothelin System in Retinal Arterioles. , 2009, 50, 3329.		40
48	A mathematical model for the distribution of hemodynamic parameters in the human retinal microvascular network. Journal of Biorheology, 2009, 23, 77-86.	0.2	50
49	C-reactive protein impairs coronary arteriolar dilation to prostacyclin synthase activation: Role of peroxynitrite. Journal of Molecular and Cellular Cardiology, 2009, 47, 196-202.	0.9	24
50	Human C-reactive protein induces endothelial dysfunction and uncoupling of eNOS in vivo. Atherosclerosis, 2009, 206, 61-68.	0.4	132
51	Local Regulation of Microvascular Perfusion. , 2008, , 161-284.		39
52	Estrogen potentiates constrictor prostanoid function in female rat aorta by upregulation of cyclooxygenase-2 and thromboxane pathway expression. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2444-H2455.	1.5	44
53	TP508 (ChrysalinÂ®) Reverses Endothelial Dysfunction and Increases Perfusion and Myocardial Function in Hearts With Chronic Ischemia. Journal of Cardiovascular Pharmacology and Therapeutics, 2008, 13, 214-225.	1.0	16
54	Sildenafil (Viagra) Evokes Retinal Arteriolar Dilation: Dual Pathways via NOS Activation and Phosphodiesterase Inhibition. , 2008, 49, 720.		36

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55	C-Reactive Protein Inhibits Endothelium-Dependent Nitric Oxide-Mediated Dilation of Retinal Arterioles via Enhanced Superoxide Production. , 2008, 49, 2053.		59
56	Acute hyperglycemia impairs NOâ€mediated endothelial function of coronary arterioles by reducing Lâ€arginine availability independent of superoxide. FASEB Journal, 2008, 22, 1152.5.	0.2	0
57	Acute retinal ischemia inhibits endotheliumâ€dependent nitric oxideâ€mediated dilation of retinal arterioles: role of endothelinâ€1 and superoxide. FASEB Journal, 2008, 22, 732.2.	0.2	0
58	Resveratrol, a Component of Red Wine, Elicits Dilation of Isolated Porcine Retinal Arterioles: Role of Nitric Oxide and Potassium Channels. , 2007, 48, 4232.		82
59	Exercise Training Restores Coronary Arteriolar Dilation to NOS Activation Distal to Coronary Artery Occlusion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 791-798.	1.1	28
60	Simvastatin Elicits Dilation of Isolated Porcine Retinal Arterioles: Role of Nitric Oxide and Mevalonate-Rho Kinase Pathways. , 2007, 48, 825.		52
61	Câ€reactive protein inhibits endotheliumâ€dependent prostacyclin synthaseâ€mediated dilation of coronary arterioles: role of peroxynitrite. FASEB Journal, 2007, 21, A1228.	0.2	0
62	Elevation of superoxide in vascular smooth muscle cells restores oxyhemoglobinâ€inhibited NOâ€mediated vasodilation. FASEB Journal, 2007, 21, A493.	0.2	0
63	Role of arginaseâ€I in VEGFâ€induced capillaryâ€like tube formation. FASEB Journal, 2007, 21, A529.	0.2	0
64	TNF-Î± Contributes to Endothelial Dysfunction in Ischemia/Reperfusion Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 475-480.	1.1	157
65	Activation ofÂJNK andÂxanthine oxidase byÂTNF-Î± impairs nitric oxide-mediated dilation ofÂcoronary arterioles. Journal of Molecular and Cellular Cardiology, 2006, 40, 247-257.	0.9	80
66	Effect of Systemic Administration of Simvastatin on Retinal Circulation. JAMA Ophthalmology, 2006, 124, 665.	2.6	65
67	Sodium azide dilates coronary arterioles via activation of inward rectifier K+ channels and Na+-K+-ATPase. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1617-H1623.	1.5	18
68	Brimonidine evokes heterogeneous vasomotor response of retinal arterioles: diminished nitric oxide-mediated vasodilation when size goes small. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H231-H238.	1.5	35
69	Dilation of Retinal Arterioles in Response to Lactate: Role of Nitric Oxide, Guanylyl Cyclase, and ATP-Sensitive Potassium Channels. , 2006, 47, 693.		104
70	Upregulation of Arginase by H 2 O 2 Impairs Endothelium-Dependent Nitric Oxide-Mediated Dilation of Coronary Arterioles. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2035-2042.	1.1	93
71	Role of Arginaseâ€I in Capillary Tube Formation and Ischemiaâ€induced Angiogenesis. FASEB Journal, 2006, 20, .	0.2	0
72	Coronary arteriolar vasoconstriction to angiotensin II is augmented in prediabetic metabolic syndrome via activation of AT1 receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2154-H2162.	1.5	59

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73	C-Reactive Protein Inhibits Endothelium-Dependent NO-Mediated Dilation in Coronary Arterioles by Activating p38 Kinase and NAD(P)H Oxidase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 995-1001.	1.1	131
74	Requisite Roles of A2AReceptors, Nitric Oxide, and KATPChannels in Retinal Arteriolar Dilation in Response to Adenosine. , 2005, 46, 2113.		70
75	Heterogeneous Î² 2 -Adrenoceptor Expression and Dilation in Coronary Arterioles Across the Left Ventricular Wall. Circulation, 2004, 110, 2708-2712.	1.6	30
76	Upregulation of Vascular Arginase in Hypertension Decreases Nitric Oxideâ€“Mediated Dilation of Coronary Arterioles. Hypertension, 2004, 44, 935-943.	1.3	188
77	Ischemiaâ€reperfusion selectively impairs nitric oxideâ€mediated dilation in coronary arterioles: counteracting role of arginase. FASEB Journal, 2003, 17, 2328-2330.	0.2	175
78	Regulation of nitric oxide consumption by hypoxic red blood cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12504-12509.	3.3	52
79	Divergent Roles of Angiotensin II AT1and AT2Receptors in Modulating Coronary Microvascular Function. Circulation Research, 2003, 92, 322-329.	2.0	149
80	Hydrogen peroxide induces endothelium-dependent and -independent coronary arteriolar dilation: role of cyclooxygenase and potassium channels. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2255-H2263.	1.5	129
81	Mechanism of Shear Stress-Induced Coronary Microvascular Dilation. , 2003, , 197-212.		0
82	Erythrocyte Consumption of Nitric Oxide: Competition Experiment and Model Analysis. Nitric Oxide - Biology and Chemistry, 2001, 5, 18-31.	1.2	78
83	Functional and Molecular Characterization of Receptor Subtypes Mediating Coronary Microvascular Dilation to Adenosine. Journal of Molecular and Cellular Cardiology, 2001, 33, 271-282.	0.9	76
84	Integrin-binding peptides containing RGD produce coronary arteriolar dilation via cyclooxygenase activation. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2378-H2384.	1.5	31
85	Functional and molecular evidence of adenosine A2A receptor in coronary arteriolar dilation to adenosine. Drug Development Research, 2001, 52, 350-356.	1.4	1
86	Constitutive expression of arginase in microvascular endothelial cells counteracts nitric oxideâ€mediated vasodilatory function. FASEB Journal, 2001, 15, 1264-1266.	0.2	197
87	Activation of Barium-Sensitive Inward Rectifier Potassium Channels Mediates Remote Dilation of Coronary Arterioles. Circulation, 2001, 104, 1749-1753.	1.6	87
88	ox<scp>LDL</scp>specifically impairs endothelium-dependent, NO-mediated dilation of coronary arterioles. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H175-H183.	1.5	80
89	Transmural difference in coronary arteriolar dilation to adenosine: effect of luminal pressure and K_{ATP} channels. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2612-H2619.	1.5	20
90	The Involvement of Tyrosine Kinases, Cyclic AMP/Protein Kinase A, and p38 Mitogen-Activated Protein Kinase in IL-13-Mediated Arginase I Induction in Macrophages: Its Implications in IL-13-Inhibited Nitric Oxide Production. Journal of Immunology, 2000, 165, 2134-2141.	0.4	105

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91	Erythrocytes Possess an Intrinsic Barrier to Nitric Oxide Consumption. Journal of Biological Chemistry, 2000, 275, 2342-2348.	1.6	205
92	Changes in coronary endothelial cell Ca2+ concentration during shear stress- and agonist-induced vasodilation. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1706-H1714.	1.5	50
93	Coronary Arteriolar Dilation to Acidosis. Circulation, 1999, 99, 558-563.	1.6	60
94	cAMP-Independent Dilation of Coronary Arterioles to Adenosine. Circulation Research, 1999, 85, 634-642.	2.0	182
95	Lipopolysaccharide Activates Endothelial Nitric Oxide Synthase through Protein Tyrosine Kinase. Biochemical and Biophysical Research Communications, 1998, 245, 33-37.	1.0	26
96	LDLs Impair Vasomotor Function of the Coronary Microcirculation. Circulation Research, 1998, 83, 404-414.	2.0	110
97	Estimation of nitric oxide production and reactionrates in tissue by use of a mathematical model. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H2163-H2176.	1.5	240
98	Arginase modulates nitric oxide production in activated macrophages. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H342-H348.	1.5	159
99	Effective diffusion distance of nitric oxide in the microcirculation. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H1705-H1714.	1.5	164
100	Downregulation of Endothelial Constitutive Nitric Oxide Synthase Expression by Lipopolysaccharide. Biochemical and Biophysical Research Communications, 1996, 225, 1-5.	1.0	101
101	Acidosis-Induced Coronary Arteriolar Dilation Is Mediated by ATP-Sensitive Potassium Channels in Vascular Smooth Muscle. Circulation Research, 1996, 78, 50-57.	2.0	121
102	Role of Nitric Oxide in the Coronary Microvascular Responses to Adenosine and Increased Metabolic Demand. Circulation, 1995, 91, 1807-1813.	1.6	154
103	Longitudinal Gradients for Endothelium-Dependent and -Independent Vascular Responses in the Coronary Microcirculation. Circulation, 1995, 92, 518-525.	1.6	210
104	Dietary-Induced Atherosclerotic Lesions Have Increased Levels of Acidic FGF mRNA and Altered Cytoskeletal and Extracellular Matrix mRNA Expression. Journal of Vascular Research, 1993, 30, 327-332.	0.6	29