Susan Wai Sum Leung

List of Publications by Year
in descending order

67 papers	2,596 citations	361045 20 h-index	189595 50 g-index
68 all docs	68 docs citations	68 times ranked	4291 citing authors

#	Article	IF	Citations
1	Exploration of natural flavonesâ€™ bioactivity and bioavailability in chronic inflammation induced-type-2 diabetes mellitus. Critical Reviews in Food Science and Nutrition, 2023, 63, 11640-11667.	5.4	6
2	The glycolytic process in endothelial cells and its implications. Acta Pharmacologica Sinica, 2022, 43, 251-259.	2.8	50
3	The vascular impact of IPâ€TP receptor interactions. Acta Physiologica, 2021, 231, e13577.	1.8	2
4	Calcitriol Supplementation Ameliorates Microvascular Endothelial Dysfunction in Vitamin D-Deficient Diabetic Rats by Upregulating the Vascular eNOS Protein Expression and Reducing Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-11.	1.9	12
5	Glomerular Endothelial Cells Are the Coordinator in the Development of Diabetic Nephropathy. Frontiers in Medicine, 2021, 8, 655639.	1.2	10
6	Hypoxic augmentation: The tale of a strange contraction. Basic and Clinical Pharmacology and Toxicology, 2020, 127, 59-66.	1.2	5
7	Vascular adenosine monophosphateâ€activated protein kinase: Enhancer, brake or both?. Basic and Clinical Pharmacology and Toxicology, 2020, 127, 81-91.	1.2	7
8	Major histocompatibility complexes are upâ€regulated in glomerular endothelial cells via activation of câ€Jun Nâ€terminal kinase in 5/6 nephrectomy mice. British Journal of Pharmacology, 2020, 177, 5131-5147.	2.7	10
9	Long-term nitric oxide synthase inhibition prevents 17Î²-estradiol-induced suppression of cyclooxygenase-dependent contractions and enhancement of endothelium-dependent hyperpolarization-like relaxation in mesenteric arteries of ovariectomized rats. European Journal of Pharmacology, 2020, 882, 173275.	1.7	0
10	Flavonoids reduces lipopolysaccharide-induced release of inflammatory mediators in human bronchial epithelial cells: Structure-activity relationship. European Journal of Pharmacology, 2019, 865, 172731.	1.7	25
11	Acute activation of endothelial AMPK surprisingly inhibits endotheliumâ€dependent hyperpolarizationâ€like relaxations in rat mesenteric arteries. British Journal of Pharmacology, 2019, 176, 2905-2921.	2.7	11
12	Tribute to Paul M. Vanhoutte, MD, PhD (1940â€“2019). Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2445-2447.	1.1	0
13	L-arginine and Arginase Products Potentiate Dexmedetomidine-induced Contractions in the Rat Aorta. Anesthesiology, 2018, 128, 564-573.	1.3	4
14	Activation of NQO-1 mediates the augmented contractions of isolated arteries due to biased activity of soluble guanylyl cyclase in their smooth muscle. Naunyn-Schmiedeberg's Archives of Pharmacology, 2018, 391, 1221-1235.	1.4	3
15	Apolipoprotein E favours the blunting by highâ€fat diet of prostacyclin receptor activation in the mouse aorta. British Journal of Pharmacology, 2018, 175, 3453-3469.	2.7	9
16	Biased activation of soluble guanylyl cyclase by quinones causes contractions of isolated arteries: Role of NADPH: quinone oxidoreductase-1. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-50.	0.0	0
17	Apolipoprotein E deletion protects prostacyclin receptor agonist-induced relaxations in mouse aorta. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-1.	0.0	0
18	Endothelium-dependent hyperpolarization: age, gender and blood pressure, do they matter?. Acta Physiologica, 2017, 219, 108-123.	1.8	49

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19	Biased activity of soluble guanylyl cyclase: the Janus face of thymoquinone. Acta Pharmaceutica Sinica B, 2017, 7, 401-408.	5.7	7
20	PPARÎ± agonists acutely inhibit calcium-independent PLA2 to reduce H2O2-induced contractions in aortae of spontaneously hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 314, ajpheart.00314..	1.5	3
21	Delivery of RNAi Therapeutics to the Airwaysâ€"From Bench to Bedside. Molecules, 2016, 21, 1249.	1.7	54
22	Endothelium dependent hyperpolarization-type relaxation compensates for attenuated nitric oxide-mediated responses in subcutaneous arteries of diabetic patients. Nitric Oxide - Biology and Chemistry, 2016, 53, 35-44.	1.2	27
23	Thirty Years of Saying NO. Circulation Research, 2016, 119, 375-396.	2.0	320
24	Endothelium-Dependent Contractions of Isolated Arteries to Thymoquinone Require Biased Activity of Soluble Guanylyl Cyclase with Subsequent Cyclic IMP Production. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 558-568.	1.3	14
25	Reduced nitric oxide-mediated relaxation and endothelial nitric oxide synthase expression in the tail arteries of streptozotocin-induced diabetic rats. European Journal of Pharmacology, 2016, 773, 78-84.	1.7	16
26	Reduced activity of <scp>SK_C</scp>_a and Naâ€K <scp>ATP</scp>ase underlies the accelerated impairment of <scp>EDH</scp>â€type relaxations in mesenteric arteries of aging spontaneously hypertensive rats. Pharmacology Research and Perspectives, 2015, 3, e00150.	1.1	23
27	Hypoxic Vasospasm Mediated by cIMP. Journal of Cardiovascular Pharmacology, 2015, 65, 545-548.	0.8	23
28	Î±₁â€Adrenoceptor activation of <scp>PKC</scp>â€Îµ causes heterologous desensitization of thromboxane receptors in the aorta of spontaneously hypertensive rats. British Journal of Pharmacology, 2015, 172, 3687-3701.	2.7	4
29	Transient Receptor Potential Channel Opening Releases Endogenous Acetylcholine, which Contributes to Endothelium-Dependent Relaxation Induced by Mild Hypothermia in Spontaneously Hypertensive Rat but Not Wistar-Kyoto Rat Arteries. Journal of Pharmacology and Experimental Therapeutics, 2015, 354, 121-130.	1.3	21
30	3â€²,5â€²-cIMP as Potential Second Messenger in the Vascular Wall. Handbook of Experimental Pharmacology, 2015, 238, 209-228.	0.9	8
31	The effectiveness of low-dose desmopressin in improving hypothermia-induced impairment of primary haemostasis under influence of aspirin â€“ a randomized controlled trial. BMC Anesthesiology, 2015, 15, 80.	0.7	6
32	17Î²-estradiol potentiates endothelium-dependent nitric oxide- and hyperpolarization-mediated relaxations in blood vessels of male but not female apolipoprotein-E deficient mice. Vascular Pharmacology, 2015, 71, 166-173.	1.0	11
33	siRNA Versus miRNA as Therapeutics for Gene Silencing. Molecular Therapy - Nucleic Acids, 2015, 4, e252.	2.3	730
34	Vascular nitric oxide: Beyond eNOS. Journal of Pharmacological Sciences, 2015, 129, 83-94.	1.1	555
35	Notoginsenoside Ft1 activates both glucocorticoid and estrogen receptors to induce endothelium-dependent, nitric oxide-mediated relaxations in rat mesenteric arteries. Biochemical Pharmacology, 2014, 88, 66-74.	2.0	27
36	Prolonged Exposure to Lopinavir Impairs Endothelium-dependent Hyperpolarization-mediated Relaxation in Rat Mesenteric Arteries. Journal of Cardiovascular Pharmacology, 2013, 62, 397-404.	0.8	3

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37	Endothelial Nitric Oxide Synthase-Independent Release of Nitric Oxide in the Aorta of the Spontaneously Hypertensive Rat. Journal of Pharmacology and Experimental Therapeutics, 2013, 344, 15-22.	1.3	31
38	Reduced Expression of Prostacyclin Synthase and Nitric Oxide Synthase in Subcutaneous Arteries of Type 2 Diabetic Patients. Tohoku Journal of Experimental Medicine, 2013, 231, 217-222.	0.5	19
39	Activation of Î± 1 â€adrenergic receptors causes thromboxaneâ€prostanoid receptor desensitization in the aorta of the spontaneously hypertensive rat. FASEB Journal, 2013, 27, lb508.	0.2	0
40	Endogenous acetylcholine contributes to endotheliumâ€dependent relaxations induced by mild hypothermia in the SHR aorta.. FASEB Journal, 2013, 27, lb600.	0.2	0
41	Activation of Nicotinic Receptors Can Contribute to Endothelium-Dependent Relaxations to Acetylcholine in the Rat Aorta. Journal of Pharmacology and Experimental Therapeutics, 2012, 341, 756-763.	1.3	20
42	Wy14643 improves vascular function in the aorta of the spontaneously hypertensive rat mainly by activating peroxisome proliferator-activated receptors alpha. European Journal of Pharmacology, 2012, 696, 101-110.	1.7	8
43	Endothelial NOSâ€independent release of nitric oxide in the aorta of the spontaneously hypertensive rat. FASEB Journal, 2012, 26, 840.1.	0.2	0
44	Role of sulfhydryl-dependent dimerization of soluble guanylyl cyclase in relaxation of porcine coronary artery to nitric oxide. Cardiovascular Research, 2011, 90, 565-572.	1.8	26
45	Chronic Inhibition of Nitric-Oxide Synthase Potentiates Endothelium-Dependent Contractions in the Rat Aorta by Augmenting the Expression of Cyclooxygenase-2. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 373-380.	1.3	27
46	Beneficial Vascular Effect of A Nonâ€selective PPAR Activator In Aorta of Spontaneously Hypertensive Rats. FASEB Journal, 2010, 24, 955.10.	0.2	0
47	Vascular effects of estrone and diethylstilbestrol in porcine coronary arteries. Menopause, 2009, 16, 104-109.	0.8	12
48	Vascular Effects of Different Lipophilic Components of â€œDanshenâ€, a Traditional Chinese Medicine, in the Isolated Porcine Coronary Artery. Journal of Natural Products, 2008, 71, 1825-1828.	1.5	24
49	Modulation of endotheliumâ€dependent contractions by chronic inhibition of nitric oxide synthase in the rat aorta. FASEB Journal, 2008, 22, 1128.7.	0.2	0
50	Rapid, nonâ€genomic vascular actions of genistein suggests a phytoestrogen receptor. FASEB Journal, 2008, 22, 912.14.	0.2	0
51	Effects of hawthorn, a herbal medicine, on arterial blood pressure in anaesthetized rats. FASEB Journal, 2008, 22, 1129.17.	0.2	0
52	INTRODUCTION. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 799-800.	0.9	2
53	NON-GENOMIC VASCULAR ACTIONS OF FEMALE SEX HORMONES: PHYSIOLOGICAL IMPLICATIONS AND SIGNALLING PATHWAYS. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 822-826.	0.9	21
54	Puerarin, an isoflavonoid derived from Radix puerariae, potentiates endothelium-independent relaxation via the cyclic AMP pathway in porcine coronary artery. European Journal of Pharmacology, 2006, 552, 105-111.	1.7	108

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55	Efficacy of different vasodilators on human umbilical arterial smooth muscle under normal and reduced oxygen conditions. Early Human Development, 2006, 82, 457-462.	0.8	18
56	Genistein reduces agonist-induced contractions of porcine coronary arterial smooth muscle in a cyclic AMP-dependent manner. European Journal of Pharmacology, 2004, 503, 165-172.	1.7	17
57	Phytoestrogens and Cardiovascular Disorders. Progress in Experimental Cardiology, 2004, , 513-524.	0.0	0
58	Detrimental vascular effects of lysophosphatidylcholine is limited by other phospholipid components of low-density lipoprotein. Molecular and Cellular Biochemistry, 2003, 250, 159-166.	1.4	1
59	Selective versus non-selective suppression of nitric oxide synthase on regional hemodynamics in rats with or without LPS-induced endotoxemia. Naunyn-Schmiedeberg's Archives of Pharmacology, 2003, 367, 372-379.	1.4	13
60	Attenuated arterial and venous constriction in conscious rats with streptozotocin-induced diabetes. European Journal of Pharmacology, 2003, 458, 299-304.	1.7	12
61	Augmented Pulmonary Vascular and Venous Constrictions to N^G-Nitro-L-Arginine Methyl Ester in Rats with Monocrotaline-Induced Pulmonary Hypertension. Pharmacology, 2003, 69, 164-170.	0.9	7
62	5-hydroxytryptamine and thromboxane A2 as physiologic mediators of human umbilical artery closure. Journal of the Society for Gynecologic Investigation, 2003, 10, 490-495.	1.9	20
63	Platelet-Activating Factor Enhanced the Pressor Response of Endothelin-1. Journal of Cardiovascular Pharmacology, 2002, 40, 528-532.	0.8	4
64	Use of A-192621 and IRL-2500 to Unmask the Mesenteric and Renal Vasodilator Role of Endothelin ETB Receptors. Journal of Cardiovascular Pharmacology, 2002, 39, 533-543.	0.8	6
65	Differential effects of 17Î² -estradiol and testosterone on the contractile responses of porcine coronary arteries. British Journal of Pharmacology, 2000, 129, 1301-1308.	2.7	87
66	Short-term exposure to physiological levels of 17Î²-estradiol enhances endothelium-independent relaxation in porcine coronary artery. Cardiovascular Research, 1999, 42, 224-231.	1.8	47
67	ENDOTHELIAL DYSFUNCTION EXACERBATES THE IMPAIRMENT OF RELAXATION BY LYSOPHOSPHATIDYLCHOLINE IN PORCINE CORONARY ARTERY. Clinical and Experimental Pharmacology and Physiology, 1997, 24, 984-986.	0.9	11