

# Susan Wai Sum Leung

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

2,596  
citations

361413  
20  
h-index

189892  
50  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4291  
citing authors

#	ARTICLE	IF	CITATIONS
1	siRNA Versus miRNA as Therapeutics for Gene Silencing. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e252.	5.1	730
2	Vascular nitric oxide: Beyond eNOS. <i>Journal of Pharmacological Sciences</i> , 2015, 129, 83-94.	2.5	555
3	Thirty Years of Saying NO. <i>Circulation Research</i> , 2016, 119, 375-396.	4.5	320
4	Puerarin, an isoflavonoid derived from <i>Radix puerariae</i> , potentiates endothelium-independent relaxation via the cyclic AMP pathway in porcine coronary artery. <i>European Journal of Pharmacology</i> , 2006, 552, 105-111.	3.5	108
5	Differential effects of $17\beta$ -estradiol and testosterone on the contractile responses of porcine coronary arteries. <i>British Journal of Pharmacology</i> , 2000, 129, 1301-1308.	5.4	87
6	Delivery of RNAi Therapeutics to the Airways—From Bench to Bedside. <i>Molecules</i> , 2016, 21, 1249.	3.8	54
7	The glycolytic process in endothelial cells and its implications. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 251-259.	6.1	50
8	Endothelium-dependent hyperpolarization: age, gender and blood pressure, do they matter?. <i>Acta Physiologica</i> , 2017, 219, 108-123.	3.8	49
9	Short-term exposure to physiological levels of $17\beta$ -estradiol enhances endothelium-independent relaxation in porcine coronary artery. <i>Cardiovascular Research</i> , 1999, 42, 224-231.	3.8	47
10	Endothelial Nitric Oxide Synthase-Independent Release of Nitric Oxide in the Aorta of the Spontaneously Hypertensive Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 344, 15-22.	2.5	31
11	Chronic Inhibition of Nitric-Oxide Synthase Potentiates Endothelium-Dependent Contractions in the Rat Aorta by Augmenting the Expression of Cyclooxygenase-2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 373-380.	2.5	27
12	Notoginsenoside Ft1 activates both glucocorticoid and estrogen receptors to induce endothelium-dependent, nitric oxide-mediated relaxations in rat mesenteric arteries. <i>Biochemical Pharmacology</i> , 2014, 88, 66-74.	4.4	27
13	Endothelium dependent hyperpolarization-type relaxation compensates for attenuated nitric oxide-mediated responses in subcutaneous arteries of diabetic patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 53, 35-44.	2.7	27
14	Role of sulfhydryl-dependent dimerization of soluble guanylyl cyclase in relaxation of porcine coronary artery to nitric oxide. <i>Cardiovascular Research</i> , 2011, 90, 565-572.	3.8	26
15	Flavonoids reduces lipopolysaccharide-induced release of inflammatory mediators in human bronchial epithelial cells: Structure-activity relationship. <i>European Journal of Pharmacology</i> , 2019, 865, 172731.	3.5	25
16	Vascular Effects of Different Lipophilic Components of “Danshen”, a Traditional Chinese Medicine, in the Isolated Porcine Coronary Artery. <i>Journal of Natural Products</i> , 2008, 71, 1825-1828.	3.0	24
17	Reduced activity of $SK_C$ and $Na^+K^+ATPase$ underlies the accelerated impairment of $EDH$ -type relaxations in mesenteric arteries of aging spontaneously hypertensive rats. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00150.	2.4	23
18	Hypoxic Vasospasm Mediated by cIMP. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 545-548.	1.9	23

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19	NON-GENOMIC VASCULAR ACTIONS OF FEMALE SEX HORMONES: PHYSIOLOGICAL IMPLICATIONS AND SIGNALLING PATHWAYS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 822-826.	1.9	21
20	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 354, 121-130.	2.5	21
21	Activation of Nicotinic Receptors Can Contribute to Endothelium-Dependent Relaxations to Acetylcholine in the Rat Aorta. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 756-763.	2.5	20
22	5-hydroxytryptamine and thromboxane A2 as physiologic mediators of human umbilical artery closure. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 490-495.	1.7	20
23	Reduced Expression of Prostacyclin Synthase and Nitric Oxide Synthase in Subcutaneous Arteries of Type 2 Diabetic Patients. <i>Tohoku Journal of Experimental Medicine</i> , 2013, 231, 217-222.	1.2	19
24	Efficacy of different vasodilators on human umbilical arterial smooth muscle under normal and reduced oxygen conditions. <i>Early Human Development</i> , 2006, 82, 457-462.	1.8	18
25	Genistein reduces agonist-induced contractions of porcine coronary arterial smooth muscle in a cyclic AMP-dependent manner. <i>European Journal of Pharmacology</i> , 2004, 503, 165-172.	3.5	17
26	Reduced nitric oxide-mediated relaxation and endothelial nitric oxide synthase expression in the tail arteries of streptozotocin-induced diabetic rats. <i>European Journal of Pharmacology</i> , 2016, 773, 78-84.	3.5	16
27	Endothelium-Dependent Contractions of Isolated Arteries to Thymoquinone Require Biased Activity of Soluble Guanylyl Cyclase with Subsequent Cyclic IMP Production. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 558-568.	2.5	14
28	Selective versus non-selective suppression of nitric oxide synthase on regional hemodynamics in rats with or without LPS-induced endotoxemia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 367, 372-379.	3.0	13
29	Attenuated arterial and venous constriction in conscious rats with streptozotocin-induced diabetes. <i>European Journal of Pharmacology</i> , 2003, 458, 299-304.	3.5	12
30	Vascular effects of estrone and diethylstilbestrol in porcine coronary arteries. <i>Menopause</i> , 2009, 16, 104-109.	2.0	12
31	Calcitriol Supplementation Ameliorates Microvascular Endothelial Dysfunction in Vitamin D-Deficient Diabetic Rats by Upregulating the Vascular eNOS Protein Expression and Reducing Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	4.0	12
32	ENDOTHELIAL DYSFUNCTION EXACERBATES THE IMPAIRMENT OF RELAXATION BY LYSOPHOSPHATIDYLCHOLINE IN PORCINE CORONARY ARTERY. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997, 24, 984-986.	1.9	11
33	17 $\beta$ -estradiol potentiates endothelium-dependent nitric oxide- and hyperpolarization-mediated relaxations in blood vessels of male but not female apolipoprotein-E deficient mice. <i>Vascular Pharmacology</i> , 2015, 71, 166-173.	2.1	11
34	Acute activation of endothelial AMPK surprisingly inhibits endothelium-dependent hyperpolarization-like relaxations in rat mesenteric arteries. <i>British Journal of Pharmacology</i> , 2019, 176, 2905-2921.	5.4	11
35	Major histocompatibility complexes are upregulated in glomerular endothelial cells via activation of c-Jun N-terminal kinase in 5/6 nephrectomy mice. <i>British Journal of Pharmacology</i> , 2020, 177, 5131-5147.	5.4	10
36	Glomerular Endothelial Cells Are the Coordinator in the Development of Diabetic Nephropathy. <i>Frontiers in Medicine</i> , 2021, 8, 655639.	2.6	10

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37	Apolipoprotein E favours the blunting by high-fat diet of prostacyclin receptor activation in the mouse aorta. <i>British Journal of Pharmacology</i> , 2018, 175, 3453-3469.	5.4	9
38	Wyl4643 improves vascular function in the aorta of the spontaneously hypertensive rat mainly by activating peroxisome proliferator-activated receptors alpha. <i>European Journal of Pharmacology</i> , 2012, 696, 101-110.	3.5	8
39	3',5'-cGMP as Potential Second Messenger in the Vascular Wall. <i>Handbook of Experimental Pharmacology</i> , 2015, 238, 209-228.	1.8	8
40	Augmented Pulmonary Vascular and Venous Constrictions to N <sup>G</sup> -Nitro-L-Arginine Methyl Ester in Rats with Monocrotaline-Induced Pulmonary Hypertension. <i>Pharmacology</i> , 2003, 69, 164-170.	2.2	7
41	Biased activity of soluble guanylyl cyclase: the Janus face of thymoquinone. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 401-408.	12.0	7
42	Vascular adenosine monophosphate-activated protein kinase: Enhancer, brake or both?. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 127, 81-91.	2.5	7
43	Use of A-192621 and IRL-2500 to Unmask the Mesenteric and Renal Vasodilator Role of Endothelin ETB Receptors. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 39, 533-543.	1.9	6
44	The effectiveness of low-dose desmopressin in improving hypothermia-induced impairment of primary haemostasis under influence of aspirin – a randomized controlled trial. <i>BMC Anesthesiology</i> , 2015, 15, 80.	1.8	6
45	Exploration of natural flavones' bioactivity and bioavailability in chronic inflammation induced-type-2 diabetes mellitus. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 11640-11667.	10.3	6
46	Hypoxic augmentation: The tale of a strange contraction. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 127, 59-66.	2.5	5
47	Platelet-Activating Factor Enhanced the Pressor Response of Endothelin-1. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 40, 528-532.	1.9	4
48	1-Adrenoceptor activation of PKC $\mu$ causes heterologous desensitization of thromboxane receptors in the aorta of spontaneously hypertensive rats. <i>British Journal of Pharmacology</i> , 2015, 172, 3687-3701.	5.4	4
49	L-arginine and Arginase Products Potentiate Dexmedetomidine-induced Contractions in the Rat Aorta. <i>Anesthesiology</i> , 2018, 128, 564-573.	2.5	4
50	Prolonged Exposure to Lopinavir Impairs Endothelium-dependent Hyperpolarization-mediated Relaxation in Rat Mesenteric Arteries. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 397-404.	1.9	3
51	PPAR $\alpha$ agonists acutely inhibit calcium-independent PLA2 to reduce H2O2-induced contractions in aortae of spontaneously hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 314, ajpheart.00314..	3.2	3
52	Activation of NQO-1 mediates the augmented contractions of isolated arteries due to biased activity of soluble guanylyl cyclase in their smooth muscle. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 1221-1235.	3.0	3
53	INTRODUCTION. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 799-800.	1.9	2
54	The vascular impact of IP $\beta$ receptor interactions. <i>Acta Physiologica</i> , 2021, 231, e13577.	3.8	2

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55	Detrimental vascular effects of lysophosphatidylcholine is limited by other phospholipid components of low-density lipoprotein. <i>Molecular and Cellular Biochemistry</i> , 2003, 250, 159-166.	3.1	1
56	Tribute to Paul M. Vanhoutte, MD, PhD (1940–2019). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2445-2447.	2.4	0
57	Long-term nitric oxide synthase inhibition prevents 17 $\beta$ -estradiol-induced suppression of cyclooxygenase-dependent contractions and enhancement of endothelium-dependent hyperpolarization-like relaxation in mesenteric arteries of ovariectomized rats. <i>European Journal of Pharmacology</i> , 2020, 882, 173275.	3.5	0
58	Phytoestrogens and Cardiovascular Disorders. <i>Progress in Experimental Cardiology</i> , 2004, , 513-524.	0.0	0
59	Modulation of endothelium-dependent contractions by chronic inhibition of nitric oxide synthase in the rat aorta. <i>FASEB Journal</i> , 2008, 22, 1128.7.	0.5	0
60	Rapid, non-genomic vascular actions of genistein suggests a phytoestrogen receptor. <i>FASEB Journal</i> , 2008, 22, 912.14.	0.5	0
61	Effects of hawthorn, a herbal medicine, on arterial blood pressure in anaesthetized rats. <i>FASEB Journal</i> , 2008, 22, 1129.17.	0.5	0
62	Beneficial Vascular Effect of A Non-selective PPAR Activator In Aorta of Spontaneously Hypertensive Rats. <i>FASEB Journal</i> , 2010, 24, 955.10.	0.5	0
63	Endothelial NOS-independent release of nitric oxide in the aorta of the spontaneously hypertensive rat. <i>FASEB Journal</i> , 2012, 26, 840.1.	0.5	0
64	Activation of $\alpha_1$ -adrenergic receptors causes thromboxane-prostanoid receptor desensitization in the aorta of the spontaneously hypertensive rat. <i>FASEB Journal</i> , 2013, 27, 1b508.	0.5	0
65	Endogenous acetylcholine contributes to endothelium-dependent relaxations induced by mild hypothermia in the SHR aorta.. <i>FASEB Journal</i> , 2013, 27, 1b600.	0.5	0
66	Biased activation of soluble guanylyl cyclase by quinones causes contractions of isolated arteries: Role of NADPH: quinone oxidoreductase-1. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-3-50.	0.0	0
67	Apolipoprotein E deletion protects prostacyclin receptor agonist-induced relaxations in mouse aorta. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-3-1.	0.0	0