

George P H Leung

List of Publications by Year in descending order

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93
papers

2,924
citations

159585

30
h-index

189892

50
g-index

93
all docs

93
docs citations

93
times ranked

4532
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Hypoxia-Induced Upregulation of Store-Operated and Receptor-Operated Ca ²⁺ Channels in Pulmonary Arterial Smooth Muscle Cells. <i>Circulation Research</i> , 2004, 95, 496-505.	4.5	336
2	A review of the pharmacological effects of <i>Arctium lappa</i> (burdock). <i>Inflammopharmacology</i> , 2011, 19, 245-254.	3.9	240
3	Facilitated mitochondrial import of antiviral and anticancer nucleoside drugs by human equilibrative nucleoside transporter-3. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G910-G922.	3.4	120
4	Calycosin Promotes Angiogenesis Involving Estrogen Receptor and Mitogen-Activated Protein Kinase (MAPK) Signaling Pathway in Zebrafish and HUVEC. <i>PLoS ONE</i> , 2010, 5, e11822.	2.5	108
5	Anti-Parkinsonian drug discovery from herbal medicines: What have we got from neurotoxic models?. <i>Journal of Ethnopharmacology</i> , 2012, 139, 698-711.	4.1	93
6	Multiple ryanodine receptor subtypes and heterogeneous ryanodine receptor-gated Ca ²⁺ stores in pulmonary arterial smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L338-L348.	2.9	75
7	Formononetin, an isoflavone, relaxes rat isolated aorta through endothelium-dependent and endothelium-independent pathways. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 613-620.	4.2	71
8	Inhibition of TNF α -mediated endothelial cell-monocyte cell adhesion and adhesion molecules expression by the resveratrol derivative, <i>trans-3,5,4-trimethoxystilbene</i> . <i>Phytotherapy Research</i> , 2011, 25, 451-457.	5.8	69
9	Epac1 mediates protein kinase A-independent mechanism of forskolin-activated intestinal chloride secretion. <i>Journal of General Physiology</i> , 2010, 135, 43-58.	1.9	69
10	Danshensu is the major marker for the antioxidant and vasorelaxation effects of Danshen (<i>Salvia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 1263-1269.	5.3	69
11	The role of prostaglandin E and thromboxane-prostanoid receptors in the response to prostaglandin E2 in the aorta of Wistar Kyoto rats and spontaneously hypertensive rats. <i>Cardiovascular Research</i> , 2008, 78, 130-138.	3.8	60
12	Cell-cell Interaction Underlies Formation of Fluid in the Male Reproductive Tract of the Rat. <i>Journal of General Physiology</i> , 2005, 125, 443-454.	1.9	55
13	Differential Ligand Binding Affinities of Human Estrogen Receptor Isoforms. <i>PLoS ONE</i> , 2013, 8, e63199.	2.5	55
14	Oridonin synergistically enhances the anti-tumor efficacy of doxorubicin against aggressive breast cancer via pro-apoptotic and anti-angiogenic effects. <i>Pharmacological Research</i> , 2019, 146, 104313.	7.1	52
15	Cholesterol lowering and vascular protective effects of ethanolic extract of dried fruit of <i>Crataegus pinnatifida</i> , hawthorn (Shan Zha), in diet-induced hypercholesterolaemic rat model. <i>Journal of Functional Foods</i> , 2013, 5, 1326-1335.	3.4	51
16	Cytoprotection of Baicalein Against Oxidative Stress-induced Cardiomyocytes Injury Through the Nrf2/Keap1 Pathway. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 39-46.	1.9	49
17	Uptake and Protective Effects of Ergothioneine in Human Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 691-700.	2.5	45
18	Inhalable Dry Powder Formulations of siRNA and pH-Responsive Peptides with Antiviral Activity Against H1N1 Influenza Virus. <i>Molecular Pharmaceutics</i> , 2015, 12, 910-921.	4.6	41

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19	Formononetin promotes angiogenesis through the estrogen receptor alpha-enhanced ROCK pathway. <i>Scientific Reports</i> , 2015, 5, 16815.	3.3	39
20	Oleanolic Acid Loaded PEGylated PLA and PLGA Nanoparticles with Enhanced Cytotoxic Activity against Cancer Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 2112-2125.	4.6	38
21	Pro-angiogenic activity of astragaloside IV in HUVECs in vitro and zebrafish in vivo. <i>Molecular Medicine Reports</i> , 2012, 5, 805-11.	2.4	37
22	VEGFR tyrosine kinase inhibitor II (VRI) induced vascular insufficiency in zebrafish as a model for studying vascular toxicity and vascular preservation. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 408-420.	2.8	37
23	Metabolism of calycosin, an isoflavone from <i>Astragali Radix</i> , in zebrafish larvae. <i>Xenobiotica</i> , 2012, 42, 294-303.	1.1	36
24	Injectable thermo-responsive nano-hydrogel loading triptolide for the anti-breast cancer enhancement via localized treatment based on "two strikes" effects. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 2227-2245.	12.0	36
25	14,15-Epoxyeicosatrienoic acid induces vasorelaxation through the prostaglandin EP2 receptors in rat mesenteric artery. <i>Prostaglandins and Other Lipid Mediators</i> , 2010, 93, 44-51.	1.9	33
26	Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries. <i>European Journal of Pharmacology</i> , 2015, 747, 18-28.	3.5	33
27	<i>Ficus virens</i> proanthocyanidins induced apoptosis in breast cancer cells concomitantly ameliorated 5-fluorouracil induced intestinal mucositis in rats. <i>Food and Chemical Toxicology</i> , 2017, 110, 49-61.	3.6	32
28	Synergistic breast cancer suppression efficacy of doxorubicin by combination with glycyrrhetic acid as an angiogenesis inhibitor. <i>Phytomedicine</i> , 2021, 81, 153408.	5.3	32
29	Genistein enhances relaxation of the spontaneously hypertensive rat aorta by transactivation of epidermal growth factor receptor following binding to membrane estrogen receptors- α and activation of a G protein-coupled, endothelial nitric oxide synthase-dependent pathway. <i>Pharmacological Research</i> , 2011, 63, 181-189.	7.1	31
30	Physiological and Pharmacological Roles of Vascular Nucleoside Transporters. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 59, 10-15.	1.9	31
31	Suppression of diet-induced hypercholesterolaemia by saponins from <i>Panax notoginseng</i> in rats. <i>Journal of Functional Foods</i> , 2013, 5, 1159-1169.	3.4	31
32	Proanthocyanidins from <i>Uncaria rhynchophylla</i> induced apoptosis in MDA-MB-231 breast cancer cells while enhancing cytotoxic effects of 5-fluorouracil. <i>Food and Chemical Toxicology</i> , 2017, 107, 248-260.	3.6	31
33	Genomic organization and functional characterization of the human concentrative nucleoside transporter-3 isoform (hCNT3) expressed in mammalian cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2003, 447, 195-204.	2.8	30
34	Modulation by simvastatin of iberiotoxin-sensitive, Ca ²⁺ -activated K ⁺ channels of porcine coronary artery smooth muscle cells. <i>British Journal of Pharmacology</i> , 2007, 151, 987-997.	5.4	30
35	In vitro vitamin K2 and 1 α ,25-dihydroxyvitamin D3 combination enhances osteoblasts anabolism of diabetic mice. <i>European Journal of Pharmacology</i> , 2015, 767, 30-40.	3.5	30
36	Characterization of nucleoside transport systems in cultured rat epididymal epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C1076-C1082.	4.6	29

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37	Transcriptional profiling of angiogenesis activities of calycosin in zebrafish. <i>Molecular BioSystems</i> , 2011, 7, 3112.	2.9	29
38	Extract of <i>Scutellaria baicalensis</i> Georgi Root Exerts Protection Against Myocardial Ischemia-Reperfusion Injury in Rats. <i>The American Journal of Chinese Medicine</i> , 2011, 39, 693-704.	3.8	28
39	Emodin elicits cytotoxicity in human lung adenocarcinoma A549 cells through inducing apoptosis. <i>Inflammopharmacology</i> , 2014, 22, 127-134.	3.9	27
40	d-Glucose upregulates adenosine transport in cultured human aortic smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2756-H2762.	3.2	26
41	AGS-30, an andrographolide derivative, suppresses tumor angiogenesis and growth in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2020, 171, 113694.	4.4	24
42	Dietary compound glycyrrhetic acid suppresses tumor angiogenesis and growth by modulating antiangiogenic and proapoptotic pathways in vitro and in vivo. <i>Journal of Nutritional Biochemistry</i> , 2020, 77, 108268.	4.2	23
43	The role of mitochondrial and plasma membrane nucleoside transporters in drug toxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007, 3, 705-718.	3.3	21
44	Folic acid consumption reduces resistin level and restores blunted acetylcholine-induced aortic relaxation in obese/diabetic mice. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 872-880.	4.2	20
45	Pro-angiogenic effects of Ilexsaponin A1 on human umbilical vein endothelial cells in vitro and zebrafish in vivo. <i>Phytomedicine</i> , 2017, 36, 229-237.	5.3	20
46	Inhibition of human equilibrative nucleoside transporters by dihydropyridine-type calcium channel antagonists. <i>European Journal of Pharmacology</i> , 2007, 568, 75-82.	3.5	19
47	Kaempferol stimulates large conductance Ca ²⁺ -activated K ⁺ (BK _{Ca}) channels in human umbilical vein endothelial cells via a cAMP/PKA-dependent pathway. <i>British Journal of Pharmacology</i> , 2008, 154, 1247-1253.	5.4	19
48	Mitochondrial monoamine oxidase ^A -mediated hydrogen peroxide generation enhances 5 ^{HT} _{2A} -induced contraction of rat basilar artery. <i>British Journal of Pharmacology</i> , 2010, 161, 1086-1098.	5.4	19
49	DNA-loaded chitosan oligosaccharide nanoparticles with enhanced permeability across Calu-3 cells. <i>Journal of Drug Targeting</i> , 2013, 21, 474-486.	4.4	18
50	Vascular Contributions to Cognitive Impairment and Treatments with Traditional Chinese Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-12.	1.2	18
51	Relaxation effect of a novel Danshensu/tetramethylpyrazine derivative on rat mesenteric arteries. <i>European Journal of Pharmacology</i> , 2015, 761, 153-160.	3.5	17
52	Discovery of a ROCK inhibitor, FPND, which prevents cerebral hemorrhage through maintaining vascular integrity by interference with VE-cadherin. <i>Cell Death Discovery</i> , 2017, 3, 17051.	4.7	16
53	Effect of thiazolidinediones on equilibrative nucleoside transporter-1 in human aortic smooth muscle cells. <i>Biochemical Pharmacology</i> , 2005, 70, 355-362.	4.4	15
54	Iatrogenic Mitochondriopathies: A Recent Lesson from Nucleoside/Nucleotide Reverse Transcriptase Inhibitors. <i>Advances in Experimental Medicine and Biology</i> , 2012, 942, 347-369.	1.6	14

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55	Characterization of adenosine transport in H9c2 cardiomyoblasts. <i>International Journal of Cardiology</i> , 2007, 116, 186-193.	1.7	13
56	Comparison of vascular relaxation, lipolysis and glucose uptake by peroxisome proliferator-activated receptor- β activation in +db/+m and +db/+db mice. <i>European Journal of Pharmacology</i> , 2007, 572, 40-48.	3.5	13
57	A purine-selective nucleobase/nucleoside transporter in PK15NTD cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1988-R1995.	1.8	13
58	Involvement of Organic Cation Transporter-3 and Plasma Membrane Monoamine Transporter in Serotonin Uptake in Human Brain Vascular Smooth Muscle Cells. <i>Frontiers in Pharmacology</i> , 2013, 4, 14.	3.5	13
59	Folic Acid Supplementation Modifies β -Adrenoceptor-Mediated <i>In Vitro</i> Lipolysis of Obese/Diabetic (+db/+db) Mice. <i>Experimental Biology and Medicine</i> , 2009, 234, 1047-1055.	2.4	12
60	Identification of disulfide isomerase ERp57 as a target for small molecule cardioprotective agents. <i>RSC Advances</i> , 2015, 5, 74605-74610.	3.6	12
61	Basal Flt1 tyrosine kinase activity is a positive regulator of endothelial survival and vascularization during zebrafish embryogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 373-384.	2.4	12
62	Chemical and pharmacological evaluations on the extract of <i>Scutellaria baicalensis</i> Georgi (Huang-Qin) prepared by various extraction methods. <i>SpringerPlus</i> , 2016, 5, 1438.	1.2	12
63	Equilibrative Nucleoside Transporters 1 and 4. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 517-521.	1.9	11
64	Icaritin protects against oxidative stress-induced injury in cardiac H9c2 cells via Akt/Nrf2/HO-1 and calcium signalling pathways. <i>Journal of Functional Foods</i> , 2015, 18, 213-223.	3.4	11
65	Hepatoprotective Effect of Jianpi Huoxue Formula on Nonalcoholic Fatty Liver Disease Induced by Methionine-Choline-Deficient Diet in Rat. <i>BioMed Research International</i> , 2019, 2019, 1-12.	1.9	11
66	The new andrographolide derivative AGS-30 induces apoptosis in human colon cancer cells by activating a ROS-dependent JNK signalling pathway. <i>Phytomedicine</i> , 2022, 94, 153824.	5.3	11
67	Genistein potentiates protein kinase A activity in porcine coronary artery. <i>Molecular and Cellular Biochemistry</i> , 2008, 311, 37-44.	3.1	10
68	Inhibitory effect of nonsteroidal anti-inflammatory drugs on adenosine transport in vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , 2009, 612, 15-20.	3.5	10
69	Inhibition of human equilibrative nucleoside transporters by 4-((4-(2-fluorophenyl)piperazin-1-yl)methyl)-6-imino-N-(naphthalen-2-yl)-1,3,5-triazin-2-amine. <i>European Journal of Pharmacology</i> , 2016, 791, 544-551.	3.5	10
70	Downregulation of Aquaporin 9 Exacerbates Beta-amyloid-induced Neurotoxicity in Alzheimer's Disease Models <i>In vitro</i> and <i>In vivo</i> . <i>Neuroscience</i> , 2018, 394, 72-82.	2.3	10
71	Acute Simvastatin Inhibits KATP Channels of Porcine Coronary Artery Myocytes. <i>PLoS ONE</i> , 2013, 8, e66404.	2.5	10
72	Stimulation of ecto-5'-nucleotidase in human umbilical vein endothelial cells by lipopolysaccharide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1177-H1181.	3.2	9

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73	Application of UPLC-MS/MS to simultaneously detect four bioactive compounds in the tumour-shrinking decoction (FM1523) for uterine fibroids treatment. <i>Phytochemical Analysis</i> , 2019, 30, 447-455.	2.4	9
74	Protective Effects of <i>Amauroderma rugosum</i> on Doxorubicin-Induced Cardiotoxicity through Suppressing Oxidative Stress, Mitochondrial Dysfunction, Apoptosis, and Activating Akt/mTOR and Nrf2/HO-1 Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-24.	4.0	9
75	Inhibitory effects of epoxyeicosatrienoic acids on volume-activated chloride channels in rat mesenteric arterial smooth muscle. <i>Prostaglandins and Other Lipid Mediators</i> , 2008, 87, 62-67.	1.9	8
76	Potential of EDHF-mediated relaxation by chloride channel blockers. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1303-1311.	6.1	8
77	An andrographolide derivative AGP-26b exhibiting anti-angiogenic activity in HUVECs and zebrafish via blocking the VEGFA/VEGFR2 signaling pathway. <i>Molecular BioSystems</i> , 2017, 13, 525-536.	2.9	8
78	Role of monoamine oxidases in the exaggerated 5-hydroxytryptamine-induced tension development of human isolated preeclamptic umbilical artery. <i>European Journal of Pharmacology</i> , 2009, 605, 129-137.	3.5	7
79	<i>Amauroderma rugosum</i> Protects PC12 Cells against 6-OHDA-Induced Neurotoxicity through Antioxidant and Antiapoptotic Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	4.0	7
80	Serum nitric oxide synthase activity is a novel predictor of impaired vasorelaxation in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 894-896.	1.9	6
81	Calycosin and Formononetin Induce Endothelium-Dependent Vasodilation by the Activation of Large-Conductance Ca ²⁺ -Activated K ⁺ Channels (BKCa). <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-13.	1.2	6
82	A review of the phytochemical and pharmacological properties of <i>Amauroderma rugosum</i> . <i>Kaohsiung Journal of Medical Sciences</i> , 2022, 38, 509-516.	1.9	6
83	Relaxation effect of narirutin on rat mesenteric arteries via nitric oxide release and activation of voltage-gated potassium channels. <i>European Journal of Pharmacology</i> , 2021, 905, 174190.	3.5	5
84	Sichuan pepper attenuates H ₂ O ₂ -induced apoptosis via antioxidant activity and up-regulating heme oxygenase-1 gene expression in primary rat hepatocytes. <i>Journal of Food Biochemistry</i> , 2017, 41, e12403.	2.9	4
85	Relaxation Effect of Abacavir on Rat Basilar Arteries. <i>PLoS ONE</i> , 2015, 10, e0123043.	2.5	4
86	The development of behavioral sensitization induced by a single morphine exposure in adult zebrafish (<i>Danio rerio</i>). <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 113, 110456.	4.8	3
87	A defective flexible loop contributes to the processing and gating defects of the predominant cystic fibrosis-causing mutation. <i>FASEB Journal</i> , 2019, 33, 5126-5142.	0.5	1
88	Comparison of the major chemical constituents and antioxidant effects in <i>Amauroderma rugosum</i> and <i>Ganoderma lucidum</i> . <i>Biomedical & Translational Science</i> , 2021, 1, .	0.0	1
89	Abstract 2881: Injectable thermoresponsive hydrogel for the sustained delivery of triptolide in breast cancer treatment. , 2020, , .		1
90	Structure-Activity Relationship Studies of 4-((4-(2-fluorophenyl)piperazin-1-yl)methyl)-6-imino-N-(naphthalen-2-yl)-1,3,5-triazin-2-amine (FPMINT) Analogues as Inhibitors of Human Equilibrative Nucleoside Transporters. <i>Frontiers in Pharmacology</i> , 2022, 13, 837555.	3.5	1

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91	Review of the therapeutic effects of the traditional Chinese medicine yuye decoction on diabetes mellitus and its complications. Journal of Translational Science, 2021, 7, .	0.2	0
92	Screening and Identification of Compounds in Pomegranate Peel to Ameliorate 5-Fluorouracil Induced Intestinal Mucositis in Rats and Induce HT-29 Colorectal Cancer Cell Death through Reactive Oxygen Species Mediated Apoptosis and Cell Cycle Arrest. FASEB Journal, 2018, 32, 679.4.	0.5	0
93	Evidence for Edible Chinese Herbal Medicine as an Alternative Approach for the Treatment of Colorectal Cancer. Clinical Oncology and Research, 2020, , 1-9.	0.0	0