George P H Leung

List of Publications by Year
in descending order

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	The new andrographolide derivative AGS-30 induces apoptosis in human colon cancer cells by activating a ROS-dependent JNK signalling pathway. Phytomedicine, 2022, 94, 153824.	5.3	11
2	The development of behavioral sensitization induced by a single morphine exposure in adult zebrafish (Danio rerio). Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 113, 110456.	4.8	3
3	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. Frontiers in Pharmacology, 2022, 13, 837555.	3.5	1
4	A review of the phytochemical and pharmacological properties of Amauroderma rugosum. Kaohsiung Journal of Medical Sciences, 2022, 38, 509-516.	1.9	6
5	Protective Effects of Amauroderma rugosum on Doxorubicin-Induced Cardiotoxicity through Suppressing Oxidative Stress, Mitochondrial Dysfunction, Apoptosis, and Activating Akt/mTOR and Nrf2/HO-1 Signaling Pathways. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-24.	4.0	9
6	Synergistic breast cancer suppression efficacy of doxorubicin by combination with glycyrrhetinic acid as an angiogenesis inhibitor. Phytomedicine, 2021, 81, 153408.	5.3	32
7	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
8	Amauroderma rugosum Protects PC12 Cells against 6-OHDA-Induced Neurotoxicity through Antioxidant and Antiapoptotic Effects. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	7
9	Comparison of the major chemical constituents and antioxidant effects in Amauroderma rugosum and Ganoderma lucidum. Biomedical & Translational Science, 2021, 1, .	0.0	1
10	Relaxation effect of narirutin on rat mesenteric arteries via nitric oxide release and activation of voltage-gated potassium channels. European Journal of Pharmacology, 2021, 905, 174190.	3.5	5
11	AGS-30, an andrographolide derivative, suppresses tumor angiogenesis and growth in vitro and in vivo. Biochemical Pharmacology, 2020, 171, 113694.	4.4	24
12	Dietary compound glycyrrhetinic acid suppresses tumor angiogenesis and growth by modulating antiangiogenic and proapoptotic pathways in vitro and in vivo. Journal of Nutritional Biochemistry, 2020, 77, 108268.	4.2	23
13	Injectable thermo-responsive nano-hydrogel loading triptolide for the anti-breast cancer enhancement via localized treatment based on â€œtwo strikesâ€•effects. Acta Pharmaceutica Sinica B, 2020, 10, 2227-2245.	12.0	36
14	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
15	Abstract 2881: Injectable thermoresponsive hydrogel for the sustained delivery of triptolide in breast cancer treatment. , 2020, , .		1
16	Hepatoprotective Effect of Jianpi Huoxue Formula on Nonalcoholic Fatty Liver Disease Induced by Methionine-Choline-Deficient Diet in Rat. BioMed Research International, 2019, 2019, 1-12.	1.9	11
17	A defective flexible loop contributes to the processing and gating defects of the predominant cystic fibrosisâ€causing mutation. FASEB Journal, 2019, 33, 5126-5142.	0.5	1
18	Oridonin synergistically enhances the anti-tumor efficacy of doxorubicin against aggressive breast cancer via pro-apoptotic and anti-angiogenic effects. Pharmacological Research, 2019, 146, 104313.	7.1	52

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19	Application of UPLCâ€MS/MS to simultaneously detect four bioactive compounds in the tumourâ€shrinking decoction (FM1523) for uterine fibroids treatment. Phytochemical Analysis, 2019, 30, 447-455.	2.4	9
20	Downregulation of Aquaporin 9 Exacerbates Beta-amyloid-induced Neurotoxicity in Alzheimerâ€™s Disease Models In vitro and In vivo. Neuroscience, 2018, 394, 72-82.	2.3	10
21	Screening and Identification of Compounds in Pomegranate Peel to Ameliorate 5â€Fluorouracil Induced Intestinal Mucositis in Rats and Induce HTâ€29 Colorectal Cancer Cell Death through Reactive Oxygen Species Mediated Apoptosis and Cell Cycle Arrest. FASEB Journal, 2018, 32, 679.4.	0.5	0
22	An andrographolide derivative AGP-26b exhibiting anti-angiogenic activity in HUVECs and zebrafish via blocking the VEGFA/VEGFR2 signaling pathway. Molecular BioSystems, 2017, 13, 525-536.	2.9	8
23	Pro-angiogenic effects of Ilexsaponin A1 on human umbilical vein endothelial cells in vitro and zebrafish in vivo. Phytomedicine, 2017, 36, 229-237.	5.3	20
24	Sichuan pepper attenuates H₂O₂-induced apoptosis via antioxidant activity and up-regulating heme oxygenase-1 gene expression in primary rat hepatocytes. Journal of Food Biochemistry, 2017, 41, e12403.	2.9	4
25	Ficus virens proanthocyanidins induced apoptosis in breast cancer cells concomitantly ameliorated 5-fluorouracil induced intestinal mucositis in rats. Food and Chemical Toxicology, 2017, 110, 49-61.	3.6	32
26	Discovery of a ROCK inhibitor, FPND, which prevents cerebral hemorrhage through maintaining vascular integrity by interference with VE-cadherin. Cell Death Discovery, 2017, 3, 17051.	4.7	16
27	Proanthocyanidins from Uncaria rhynchophylla induced apoptosis in MDA-MB-231 breast cancer cells while enhancing cytotoxic effects of 5-fluorouracil. Food and Chemical Toxicology, 2017, 107, 248-260.	3.6	31
28	Calycosin and Formononetin Induce Endothelium-Dependent Vasodilation by the Activation of Large-Conductance Ca2+-Activated K+ Channels (BKCa). Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-13.	1.2	6
29	Vascular Contributions to Cognitive Impairment and Treatments with Traditional Chinese Medicine. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-12.	1.2	18
30	Chemical and pharmacological evaluations on the extract of Scutellaria baicalensis Georgi (Huang-Qin) prepared by various extraction methods. SpringerPlus, 2016, 5, 1438.	1.2	12
31	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. European Journal of Pharmacology, 2016, 791, 544-551.	3.5	10
32	Formononetin promotes angiogenesis through the estrogen receptor alpha-enhanced ROCK pathway. Scientific Reports, 2015, 5, 16815.	3.3	39
33	Equilibrative Nucleoside Transporters 1 and 4. Journal of Cardiovascular Pharmacology, 2015, 65, 517-521.	1.9	11
34	In vitro vitamin K2 and 1Î±,25-dihydroxyvitamin D3 combination enhances osteoblasts anabolism of diabetic mice. European Journal of Pharmacology, 2015, 767, 30-40.	3.5	30
35	Inhalable Dry Powder Formulations of siRNA and pH-Responsive Peptides with Antiviral Activity Against H1N1 Influenza Virus. Molecular Pharmaceutics, 2015, 12, 910-921.	4.6	41
36	Relaxation effect of a novel Danshensu/tetramethylpyrazine derivative on rat mesenteric arteries. European Journal of Pharmacology, 2015, 761, 153-160.	3.5	17

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37	Oleanolic Acid Loaded PEGylated PLA and PLGA Nanoparticles with Enhanced Cytotoxic Activity against Cancer Cells. Molecular Pharmaceutics, 2015, 12, 2112-2125.	4.6	38
38	Cytoprotection of Baicalein Against Oxidative Stress-induced Cardiomyocytes Injury Through the Nrf2/Keap1 Pathway. Journal of Cardiovascular Pharmacology, 2015, 65, 39-46.	1.9	49
39	Identification of disulfide isomerase ERp57 as a target for small molecule cardioprotective agents. RSC Advances, 2015, 5, 74605-74610.	3.6	12
40	Icaritin protects against oxidative stress-induced injury in cardiac H9c2 cells via Akt/Nrf2/HO-1 and calcium signalling pathways. Journal of Functional Foods, 2015, 18, 213-223.	3.4	11
41	Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries. European Journal of Pharmacology, 2015, 747, 18-28.	3.5	33
42	Basal Flt1 tyrosine kinase activity is a positive regulator of endothelial survival and vascularization during zebrafish embryogenesis. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 373-384.	2.4	12
43	Relaxation Effect of Abacavir on Rat Basilar Arteries. PLoS ONE, 2015, 10, e0123043.	2.5	4
44	Uptake and Protective Effects of Ergothioneine in Human Endothelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2014, 350, 691-700.	2.5	45
45	VEGFR tyrosine kinase inhibitor II (VRI) induced vascular insufficiency in zebrafish as a model for studying vascular toxicity and vascular preservation. Toxicology and Applied Pharmacology, 2014, 280, 408-420.	2.8	37
46	Emodin elicits cytotoxicity in human lung adenocarcinoma A549 cells through inducing apoptosis. Inflammopharmacology, 2014, 22, 127-134.	3.9	27
47	Suppression of diet-induced hypercholesterolaemia by saponins from Panax notoginseng in rats. Journal of Functional Foods, 2013, 5, 1159-1169.	3.4	31
48	DNA-loaded chitosan oligosaccharide nanoparticles with enhanced permeability across Calu-3 cells. Journal of Drug Targeting, 2013, 21, 474-486.	4.4	18
49	Cholesterol lowering and vascular protective effects of ethanolic extract of dried fruit of Crataegus pinnatifida, hawthorn (Shan Zha), in diet-induced hypercholesterolaemic rat model. Journal of Functional Foods, 2013, 5, 1326-1335.	3.4	51
50	Differential Ligand Binding Affinities of Human Estrogen Receptor-Î± Isoforms. PLoS ONE, 2013, 8, e63199.	2.5	55
51	Involvement of Organic Cation Transporter-3 and Plasma Membrane Monoamine Transporter in Serotonin Uptake in Human Brain Vascular Smooth Muscle Cells. Frontiers in Pharmacology, 2013, 4, 14.	3.5	13
52	Acute Simvastatin Inhibits KATP Channels of Porcine Coronary Artery Myocytes. PLoS ONE, 2013, 8, e66404.	2.5	10
53	Pro-angiogenic activity of astragaloside IV in HUVECs in vitro and zebrafish in vivo. Molecular Medicine Reports, 2012, 5, 805-11.	2.4	37
54	Physiological and Pharmacological Roles of Vascular Nucleoside Transporters. Journal of Cardiovascular Pharmacology, 2012, 59, 10-15.	1.9	31

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55	Serum nitric oxide synthase activity is a novel predictor of impaired vasorelaxation in rats. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 894-896.	1.9	6
56	Anti-Parkinsonian drug discovery from herbal medicines: What have we got from neurotoxic models?. Journal of Ethnopharmacology, 2012, 139, 698-711.	4.1	93
57	Danshensu is the major marker for the antioxidant and vasorelaxation effects of Danshen (Salvia) Tj ETQq1 1 0.784314 rgBT /Overloc 1263-1269.	5.3	69
58	Metabolism of calycosin, an isoflavone from Astragali Radix, in zebrafish larvae. Xenobiotica, 2012, 42, 294-303.	1.1	36
59	Iatrogenic Mitochondriopathies: A Recent Lesson from Nucleoside/Nucleotide Reverse Transcriptase Inhibitors. Advances in Experimental Medicine and Biology, 2012, 942, 347-369.	1.6	14
60	Inhibition of TNFâ€Î±â€mediated endothelial cellâ€“monocyte cell adhesion and adhesion molecules expression by the resveratrol derivative, transâ€3,5,4â€²â€trimethoxystilbene. Phytotherapy Research, 2011, 25, 451-457.	5.8	69
61	Transcriptional profiling of angiogenesis activities of calycosin in zebrafish. Molecular BioSystems, 2011, 7, 3112.	2.9	29
62	Genistein enhances relaxation of the spontaneously hypertensive rat aorta by transactivation of epidermal growth factor receptor following binding to membrane estrogen receptors-Î± and activation of a G protein-coupled, endothelial nitric oxide synthase-dependent pathway. Pharmacological Research, 2011, 63, 181-189.	7.1	31
63	A review of the pharmacological effects of Arctium lappa (burdock). Inflammopharmacology, 2011, 19, 245-254.	3.9	240
64	Extract of Scutellaria baicalensis Georgi Root Exerts Protection Against Myocardial Ischemia-Reperfusion Injury in Rats. The American Journal of Chinese Medicine, 2011, 39, 693-704.	3.8	28
65	Formononetin, an isoflavone, relaxes rat isolated aorta through endothelium-dependent and endothelium-independent pathways. Journal of Nutritional Biochemistry, 2010, 21, 613-620.	4.2	71
66	Folic acid consumption reduces resistin level and restores blunted acetylcholine-induced aortic relaxation in obese/diabetic mice. Journal of Nutritional Biochemistry, 2010, 21, 872-880.	4.2	20
67	14,15-Epoxyeicosatrienoic acid induces vasorelaxation through the prostaglandin EP2 receptors in rat mesenteric artery. Prostaglandins and Other Lipid Mediators, 2010, 93, 44-51.	1.9	33
68	Mitochondrial monoamine oxidaseâ€Aâ€mediated hydrogen peroxide generation enhances 5â€hydroxytryptamineâ€induced contraction of rat basilar artery. British Journal of Pharmacology, 2010, 161, 1086-1098.	5.4	19
69	Epac1 mediates protein kinase Aâ€“independent mechanism of forskolin-activated intestinal chloride secretion. Journal of General Physiology, 2010, 135, 43-58.	1.9	69
70	Potentiation of EDHF-mediated relaxation by chloride channel blockers. Acta Pharmacologica Sinica, 2010, 31, 1303-1311.	6.1	8
71	Calycosin Promotes Angiogenesis Involving Estrogen Receptor and Mitogen-Activated Protein Kinase (MAPK) Signaling Pathway in Zebrafish and HUVEC. PLoS ONE, 2010, 5, e11822.	2.5	108
72	Facilitated mitochondrial import of antiviral and anticancer nucleoside drugs by human equilibrative nucleoside transporter-3. American Journal of Physiology - Renal Physiology, 2009, 296, G910-G922.	3.4	120

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73	Folic Acid Supplementation Modifies Î²-Adrenoceptorâ€“MediatedIn VitroLipolysis of Obese/Diabetic (+db/+db) Mice. Experimental Biology and Medicine, 2009, 234, 1047-1055.	2.4	12
74	Role of monoamine oxidases in the exaggerated 5-hydroxytryptamine-induced tension development of human isolated preeclamptic umbilical artery. European Journal of Pharmacology, 2009, 605, 129-137.	3.5	7
75	Inhibitory effect of nonsteroidal anti-inflammatory drugs on adenosine transport in vascular smooth muscle cells. European Journal of Pharmacology, 2009, 612, 15-20.	3.5	10
76	Genistein potentiates protein kinase A activity in porcine coronary artery. Molecular and Cellular Biochemistry, 2008, 311, 37-44.	3.1	10
77	Kaempferol stimulates large conductance Ca²⁺â€activated K⁺ (BK_{Ca}) channels in human umbilical vein endothelial cells via a cAMP/PKAâ€dependent pathway. British Journal of Pharmacology, 2008, 154, 1247-1253.	5.4	19
78	Inhibitory effects of epoxyeicosatrienoic acids on volume-activated chloride channels in rat mesenteric arterial smooth muscle. Prostaglandins and Other Lipid Mediators, 2008, 87, 62-67.	1.9	8
79	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. Cardiovascular Research, 2008, 78, 130-138.	3.8	60
80	Stimulation of ecto-5â€²-nucleotidase in human umbilical vein endothelial cells by lipopolysaccharide. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1177-H1181.	3.2	9
81	A purine-selective nucleobase/nucleoside transporter in PK15NTD cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1988-R1995.	1.8	13
82	Characterization of adenosine transport in H9c2 cardiomyoblasts. International Journal of Cardiology, 2007, 116, 186-193.	1.7	13
83	The role of mitochondrial and plasma membrane nucleoside transporters in drug toxicity. Expert Opinion on Drug Metabolism and Toxicology, 2007, 3, 705-718.	3.3	21
84	Modulation by simvastatin of iberiotoxin-sensitive, Ca2+ -activated K+ channels of porcine coronary artery smooth muscle cells. British Journal of Pharmacology, 2007, 151, 987-997.	5.4	30
85	Inhibition of human equilibrative nucleoside transporters by dihydropyridine-type calcium channel antagonists. European Journal of Pharmacology, 2007, 568, 75-82.	3.5	19
86	Comparison of vascular relaxation, lipolysis and glucose uptake by peroxisome proliferator-activated receptor-Î³ activation in +db/+m and +db/+db mice. European Journal of Pharmacology, 2007, 572, 40-48.	3.5	13
87	Effect of thiazolidinediones on equilibrative nucleoside transporter-1 in human aortic smooth muscle cells. Biochemical Pharmacology, 2005, 70, 355-362.	4.4	15
88	d-Glucose upregulates adenosine transport in cultured human aortic smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2756-H2762.	3.2	26
89	Multiple ryanodine receptor subtypes and heterogeneous ryanodine receptor-gated Ca²⁺stores in pulmonary arterial smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L338-L348.	2.9	75
90	Cellâ€“cell Interaction Underlies Formation of Fluid in the Male Reproductive Tract of the Rat. Journal of General Physiology, 2005, 125, 443-454.	1.9	55

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91	Chronic Hypoxiaâ€“Induced Upregulation of Store-Operated and Receptor-Operated Ca ²⁺ Channels in Pulmonary Arterial Smooth Muscle Cells. Circulation Research, 2004, 95, 496-505.	4.5	336
92	Genomic organization and functional characterization of the human concentrative nucleoside transporter-3 isoform (hCNT3) expressed in mammalian cells. Pflugers Archiv European Journal of Physiology, 2003, 447, 195-204.	2.8	30
93	Characterization of nucleoside transport systems in cultured rat epididymal epithelium. American Journal of Physiology - Cell Physiology, 2001, 280, C1076-C1082.	4.6	29