

Shun-Wan Chan

List of Publications by Year in descending order

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105
papers

4,198
citations

87723

38
h-index

133063

59
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105
all docs

105
docs citations

105
times ranked

6360
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure to phthalates impaired neurodevelopment through estrogenic effects and induced DNA damage in neurons. <i>Aquatic Toxicology</i> , 2020, 222, 105469.	1.9	40
2	Four Hapten Spacer Sites Modulating Class Specificity: Nondirectional Multianalyte Immunoassay for 31 β -Agonists and Analogues. <i>Analytical Chemistry</i> , 2018, 90, 2716-2724.	3.2	25
3	Investigation of association of chemical profiles with the tracheobronchial relaxant activity of Chinese medicinal herb Beimu derived from various <i>Fritillaria</i> species. <i>Journal of Ethnopharmacology</i> , 2018, 210, 39-46.	2.0	48
4	Gui-ling-gao inhibits Concanavalin A-induced inflammation by suppressing the expressions of iNOS and proinflammatory cytokines in mice isolated splenocytes. <i>Journal of Food Biochemistry</i> , 2017, 41, e12367.	1.2	0
5	Production of polyhydroxyalkanoates (PHA) using sludge from different wastewater treatment processes and the potential for medical and pharmaceutical applications. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1779-1791.	1.2	26
6	Cholesterol-lowering effects of piceatannol, a stilbene from wine, using untargeted metabolomics. <i>Journal of Functional Foods</i> , 2017, 28, 127-137.	1.6	15
7	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.	1.2	4
8	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.	2.0	16
9	Evaluation in zebrafish model of the toxicity of rhodamine B-conjugated crotonin, a peptide potentially useful for diagnostics and therapeutics. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21964.	1.4	11
10	Chemical Analysis of Astragali Complanati Semen and Its Hypocholesterolemic Effect Using Serum Metabolomics Based on Gas Chromatography-Mass Spectrometry. <i>Antioxidants</i> , 2017, 6, 57.	2.2	6
11	Cardiovascular Protective Effects of Salvianic Acid A on <i>db/db</i> Mice with Elevated Homocysteine Level. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-10.	1.9	7
12	Vascular Contributions to Cognitive Impairment and Treatments with Traditional Chinese Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-12.	0.5	18
13	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
14	The microbiological quality of take-away raw salmon finger sushi sold in Hong Kong. <i>Food Control</i> , 2016, 69, 45-50.	2.8	11
15	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.	1.7	10
16	Novel cycloartane triterpenoid from <i>Cimicifuga foetida</i> (Sheng ma) induces mitochondrial apoptosis via inhibiting Raf/MEK/ERK pathway and Akt phosphorylation in human breast carcinoma MCF-7 cells. <i>Chinese Medicine</i> , 2016, 11, 1.	1.6	52
17	Formononetin promotes angiogenesis through the estrogen receptor alpha-enhanced ROCK pathway. <i>Scientific Reports</i> , 2015, 5, 16815.	1.6	39
18	<i>Centipeda minima</i> (Ebushicao) extract inhibits PI3K-Akt-mTOR signaling in nasopharyngeal carcinoma CNE-1 cells. <i>Chinese Medicine</i> , 2015, 10, 26.	1.6	26

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19	Discrimination between Leave of Apocynum venetum and Its Adulterant, A. pictum Based on Antioxidant Assay and Chemical Profiles Combined with Multivariate Statistical Analysis. <i>Antioxidants</i> , 2015, 4, 359-372.	2.2	13
20	Cortex Fraxini (Qingpi) Protects Rat Pheochromocytoma Cells against 6-Hydroxydopamine-Induced Apoptosis. <i>Parkinson's Disease</i> , 2015, 2015, 1-11.	0.6	6
21	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.	1.7	30
22	Relaxation effect of a novel Danshensu/tetramethylpyrazine derivative on rat mesenteric arteries. <i>European Journal of Pharmacology</i> , 2015, 761, 153-160.	1.7	17
23	Chemical properties and bioactivities of Goji (<i>Lycium barbarum</i>) polysaccharides extracted by different methods. <i>Journal of Functional Foods</i> , 2015, 17, 903-909.	1.6	86
24	Effect of Hedyotis diffusawater extract on protecting human hepatocyte cells (LO2) from H2O2-induced cytotoxicity. <i>Pharmaceutical Biology</i> , 2015, 54, 1-8.	1.3	14
25	Schisantherin A protects against 6-OHDA-induced dopaminergic neuron damage in zebrafish and cytotoxicity in SH-SY5Y cells through the ROS/NO and AKT/GSK3 β pathways. <i>Journal of Ethnopharmacology</i> , 2015, 170, 8-15.	2.0	63
26	Identification of disulfide isomerase ERp57 as a target for small molecule cardioprotective agents. <i>RSC Advances</i> , 2015, 5, 74605-74610.	1.7	12
27	A New Class of Safe, Potent, and Specific P-gp Modulator: Flavonoid Dimer FD18 Reverses P-gp-Mediated Multidrug Resistance in Human Breast Xenograft <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2015, 12, 3507-3517.	2.3	18
28	Meta-analysis of association between ALDH2 rs671 polymorphism and essential hypertension in Asian populations. <i>Herz</i> , 2015, 40, 203-208.	0.4	16
29	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.	1.1	12
30	Relaxation Effect of Abacavir on Rat Basilar Arteries. <i>PLoS ONE</i> , 2015, 10, e0123043.	1.1	4
31	Uptake and Protective Effects of Ergothioneine in Human Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 691-700.	1.3	45
32	A Review on the Traditional Chinese Medicinal Herbs and Formulae with Hypolipidemic Effect. <i>BioMed Research International</i> , 2014, 2014, 1-21.	0.9	80
33	Effective Photodegradation of Methyl Orange Using Fluidized Bed Reactor Loaded with Cross-Linked Chitosan Embedded Nano-CdS Photocatalyst. <i>International Journal of Chemical Engineering</i> , 2014, 2014, 1-16.	1.4	22
34	A Review of the Pharmacological Effects of Piceatannol on Cardiovascular Diseases. <i>Phytotherapy Research</i> , 2014, 28, 1581-1588.	2.8	65
35	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.	1.3	37
36	Resveratrol and cardiovascular health – Promising therapeutic or hopeless illusion?. <i>Pharmacological Research</i> , 2014, 90, 88-115.	3.1	74

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37	Alliin protects rat cardiomyoblasts (H9c2 cells) from hydrogen peroxide-induced oxidative injury through inhibiting the generation of intracellular reactive oxygen species. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 868-873.	1.3	19
38	Ethanol extract of rhizome of <i>Ligusticum chuanxiong</i> Hort. (chuanxiong) enhances endothelium-dependent vascular reactivity in ovariectomized rats fed with high-fat diet. <i>Food and Function</i> , 2014, 5, 2475-2485.	2.1	33
39	Semen <i>Astragali Complanati</i> : An ethnopharmacological, phytochemical and pharmacological review. <i>Journal of Ethnopharmacology</i> , 2014, 155, 39-53.	2.0	21
40	Petroleum ether extractive of the hips of <i>Rosa multiflora</i> ameliorates collagen-induced arthritis in rats. <i>Journal of Ethnopharmacology</i> , 2014, 157, 45-54.	2.0	28
41	Emodin elicits cytotoxicity in human lung adenocarcinoma A549 cells through inducing apoptosis. <i>Inflammopharmacology</i> , 2014, 22, 127-134.	1.9	27
42	Chlorogenic Acid Exhibits Cholesterol Lowering and Fatty Liver Attenuating Properties by Up-regulating the Gene Expression of PPAR α in Hypercholesterolemic Rats Induced with a High-Cholesterol Diet. <i>Phytotherapy Research</i> , 2013, 27, 545-551.	2.8	172
43	Synthesis of 8-Hydroxyquinoline Derivatives as Novel Antitumor Agents. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 170-174.	1.3	93
44	Gui-ling-gao (turtle jelly), a traditional Chinese functional food, exerts anti-inflammatory effects by inhibiting iNOS and pro-inflammatory cytokine expressions in splenocytes isolated from BALB/c mice. <i>Journal of Functional Foods</i> , 2013, 5, 625-632.	1.6	18
45	Suppression of diet-induced hypercholesterolaemia by saponins from <i>Panax notoginseng</i> in rats. <i>Journal of Functional Foods</i> , 2013, 5, 1159-1169.	1.6	31
46	The microbiological quality of ready-to-eat food in Siu Mei and Lo Mei shops in Hong Kong. <i>Food Control</i> , 2013, 34, 547-553.	2.8	25
47	Cholesterol lowering and vascular protective effects of ethanol 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.	1.6	51
48	A Review of the Cardiovascular Benefits and Antioxidant Properties of Alliin. <i>Phytotherapy Research</i> , 2013, 27, 637-646.	2.8	176
49	A Review of the Pharmacological Effects of the Dried Root of <i>Polygonum cuspidatum</i> (Hu Zhang) and Its Constituents. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	0.5	76
50	Ginseng Extracts Restore High-Glucose Induced Vascular Dysfunctions by Altering Triglyceride Metabolism and Downregulation of Atherosclerosis-Related Genes. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	0.5	13
51	A Review of the Phytochemistry and Pharmacological Activities of Raphani Semen. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-16.	0.5	43
52	Emodin induces cytotoxic effect in human breast carcinoma MCF-7 cell through modulating the expression of apoptosis-related genes. <i>Pharmaceutical Biology</i> , 2013, 51, 1175-1181.	1.3	27
53	Gui-ling-gao, a traditional Chinese functional food, prevents oxidative stress-induced apoptosis in H9c2 cardiomyocytes. <i>Food and Function</i> , 2013, 4, 745.	2.1	14
54	Neuroprotective effects of luteolin against apoptosis induced by 6-hydroxydopamine on rat pheochromocytoma PC12 cells. <i>Pharmaceutical Biology</i> , 2013, 51, 190-196.	1.3	50

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55	<i>Ligusticum chuanxiong</i> Prevents Ovariectomy-Induced Liver and Vascular Damage in Rats. The American Journal of Chinese Medicine, 2013, 41, 831-848.	1.5	17
56	Aqueous extract of danshen (<i>Salvia miltiorrhiza</i> Bunge) protects ovariectomized rats fed with high-fat diet from endothelial dysfunction. Menopause, 2013, 20, 100-109.	0.8	26
57	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.	1.6	13
58	Acute Simvastatin Inhibits KATP Channels of Porcine Coronary Artery Myocytes. PLoS ONE, 2013, 8, e66404.	1.1	10
59	Pro-angiogenic activity of astragaloside IV in HUVECs in vitro and zebrafish in vivo. Molecular Medicine Reports, 2012, 5, 805-11.	1.1	37
60	Suppression of Diet-Induced Hypercholesterolemia by Turtle Jelly, A Traditional Chinese Functional Food, in Rats. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-15.	0.5	14
61	Effects and Mechanism of Turmeric Vasorelaxation of the Thoracic Aorta in Hypercholesterolemic Rats. Journal of Medicinal Food, 2012, 15, 190-199.	0.8	10
62	Serum nitric oxide synthase activity is a novel predictor of impaired vasorelaxation in rats. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 894-896.	0.9	6
63	A review of the anticancer and immunomodulatory effects of <i>Lycium barbarum</i> fruit. Inflammopharmacology, 2012, 20, 307-314.	1.9	107
64	<i>Panax ginseng</i> , <i>Rhodiola rosea</i> and <i>Schisandra chinensis</i> . International Journal of Food Sciences and Nutrition, 2012, 63, 75-81.	1.3	53
65	Danshensu is the major marker for the antioxidant and vasorelaxation effects of Danshen (<i>Salvia</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 1263-1269.	2.3	69
66	Metabolism of calycosin, an isoflavone from <i>Astragali Radix</i> , in zebrafish larvae. Xenobiotica, 2012, 42, 294-303.	0.5	36
67	Enhancement of <i>in vitro</i> and <i>in vivo</i> anticancer activities of polysaccharide peptide from <i>Grifola frondosa</i> by chemical modifications. Pharmaceutical Biology, 2011, 49, 1114-1120.	1.3	19
68	Transcriptional profiling of angiogenesis activities of calycosin in zebrafish. Molecular BioSystems, 2011, 7, 3112.	2.9	29
69	Attenuation of Fatty Liver and Prevention of Hypercholesterolemia by Extract of <i>Curcuma longa</i> through Regulating the Expression of CYP7A1, LDL Receptor, HO ₁ , and HMG CoA Reductase. Journal of Food Science, 2011, 76, H80-9.	1.5	51
70	A review of the pharmacological effects of <i>Arctium lappa</i> (burdock). Inflammopharmacology, 2011, 19, 245-254.	1.9	240
71	Comparative study on saponin fractions from <i>Panax notoginseng</i> inhibiting inflammation-induced endothelial adhesion molecule expression and monocyte adhesion. Chinese Medicine, 2011, 6, 37.	1.6	57
72	Extract of <i>Scutellaria baicalensis</i> Georgi Root Exerts Protection Against Myocardial Ischemia-Reperfusion Injury in Rats. The American Journal of Chinese Medicine, 2011, 39, 693-704.	1.5	28

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73	Resveratrol derivative, <i>trans</i> -3,5,4-trimethoxystilbene, exerts antiangiogenic and vascular-disrupting effects in zebrafish through the downregulation of VEGFR2 and cell-cycle modulation. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 339-346.	1.2	51
74	Formononetin, an isoflavone, relaxes rat isolated aorta through endothelium-dependent and endothelium-independent pathways. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 613-620.	1.9	71
75	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.	1.9	20
76	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.	1.0	33
77	Consumption of dried fruit of <i>Crataegus pinnatifida</i> (hawthorn) suppresses high-cholesterol diet-induced hypercholesterolemia in rats. <i>Journal of Functional Foods</i> , 2010, 2, 179-186.	1.6	57
78	Mitochondrial monoamine oxidase A-mediated hydrogen peroxide generation enhances 5-hydroxytryptamine-induced contraction of rat basilar artery. <i>British Journal of Pharmacology</i> , 2010, 161, 1086-1098.	2.7	19
79	Potential of EDHF-mediated relaxation by chloride channel blockers. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1303-1311.	2.8	8
80	Evaluation of Anti-Oxidant Capacity of Root of <i>Scutellaria baicalensis</i> Georgi, in Comparison with Roots of <i>Polygonum multiflorum</i> Thunb and <i>Panax ginseng</i> CA Meyer. <i>The American Journal of Chinese Medicine</i> , 2010, 38, 815-827.	1.5	48
81	A VALIDATED HPLC METHOD WITH DUAL WAVELENGTH DETECTION FOR CHLOROGENIC ACID WITH AN INTERNAL STANDARD IN PLASMA AND ITS APPLICATION IN PHARMACOKINETIC STUDIES IN RATS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 324-335.	0.5	2
82	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.	1.1	108
83	Correlation of antioxidative properties and vaso-relaxation effects of major active constituents of traditional Chinese medicines. <i>Pharmaceutical Biology</i> , 2009, 47, 366-371.	1.3	7
84	Suppression of Diet-Induced Hypercholesterolemia by Scutellarin in Rats. <i>Planta Medica</i> , 2009, 75, 1203-1208.	0.7	39
85	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.	1.1	12
86	Novel hypoglycemic effects of <i>Ganoderma lucidum</i> water-extract in obese/diabetic (+db/+db) mice. <i>Phytomedicine</i> , 2009, 16, 426-436.	2.3	101
87	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.	1.7	7
88	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.	1.7	10
89	Analysis of the mechanisms underlying the endothelium-dependent antivasoconstriction of puerarin in rat aorta. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 587-597.	1.4	30
90	Water extract of <i>Rheum officinale</i> Baill. induces apoptosis in human lung adenocarcinoma A549 and human breast cancer MCF-7 cell lines. <i>Journal of Ethnopharmacology</i> , 2009, 124, 251-256.	2.0	67

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91	Antioxidative activities and the total phenolic contents of tonic Chinese Medicinal Herbs. <i>Inflammopharmacology</i> , 2008, 16, 201-207.	1.9	65
92	<i>In vitro</i> cytotoxicity, hemolysis assay, and biodegradation behavior of biodegradable poly(3-hydroxybutyrate)-poly(ethylene glycol)-poly(3-hydroxybutyrate) nanoparticles as potential drug carriers. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 290-298.	2.1	63
93	Antioxidant Activity of Chinese Medicinal Herbs. <i>Pharmaceutical Biology</i> , 2008, 46, 587-595.	1.3	40
94	Detection of Puerarin and Danshensu in Traditional Chinese Medicinal Preparation Containing <i>Pueraria Lobata</i> and <i>Salvia Miltiorrhiza</i> by HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2779-2787.	0.5	8
95	Correlation Between Antioxidative Power and Anticancer Activity in Herbs from Traditional Chinese Medicine Formulae with Anticancer Therapeutic Effect. <i>Pharmaceutical Biology</i> , 2007, 45, 541-546.	1.3	48
96	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.	2.7	30
97	Action of anti-tussive drugs on the emetic reflex of <i>Suncus murinus</i> (house musk shrew). <i>European Journal of Pharmacology</i> , 2007, 559, 196-201.	1.7	15
98	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.	1.7	13
99	Puerarin decreases serum total cholesterol and enhances thoracic aorta endothelial nitric oxide synthase expression in diet-induced hypercholesterolemic rats. <i>Life Sciences</i> , 2006, 79, 324-330.	2.0	174
100	Chromatographic analysis of Fritillaria isosteroidal alkaloids, the active ingredients of Beimu, the antitussive traditional Chinese medicinal herb. <i>Journal of Chromatography A</i> , 2001, 935, 321-338.	1.8	93
101	Determination of the major isosteroidal alkaloids in bulbs of Fritillaria by high-performance liquid chromatography coupled with evaporative light scattering detection. <i>Journal of Chromatography A</i> , 2001, 909, 207-214.	1.8	78
102	Action of glucocorticoids to antagonise cisplatin-induced acute and delayed emesis in the ferret. <i>European Journal of Pharmacology</i> , 2001, 417, 231-237.	1.7	39
103	Pharmacokinetic Study and Determination of Imperialine, the Major Bioactive Component in Antitussive Fritillaria cirrhosa, in Rat by High-Performance Liquid Chromatography Coupled with Evaporative Light-Scattering Detector. <i>Analytical Biochemistry</i> , 2000, 285, 172-175.	1.1	27
104	Simultaneous determination of seven major isosteroidal alkaloids in bulbs of Fritillaria by gas chromatography. <i>Journal of Chromatography A</i> , 2000, 873, 221-228.	1.8	50
105	Pre-column derivatization and gas chromatographic determination of alkaloids in bulbs of Fritillaria. <i>Journal of Chromatography A</i> , 1999, 859, 183-192.	1.8	46