

# 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  
g-index

105  
all docs

105  
docs citations

105  
times ranked

6360  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the pharmacological effects of <i>Arctium lappa</i> (burdock). <i>Inflammopharmacology</i> , 2011, 19, 245-254.	1.9	240
2	A Review of the Cardiovascular Benefits and Antioxidant Properties of Allicin. <i>Phytotherapy Research</i> , 2013, 27, 637-646.	2.8	176
3	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
4	Chlorogenic Acid Exhibits Cholesterol Lowering and Fatty Liver Attenuating Properties by Up-regulating the Gene Expression of PPAR $\alpha$ in Hypercholesterolemic Rats Induced with a High-Cholesterol Diet. <i>Phytotherapy Research</i> , 2013, 27, 545-551.	2.8	172
5	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
6	A review of the anticancer and immunomodulatory effects of <i>Lycium barbarum</i> fruit. <i>Inflammopharmacology</i> , 2012, 20, 307-314.	1.9	107
7	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
8	Chromatographic analysis of <i>Fritillaria isosteroidal</i> 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
9	Synthesis of 8-Hydroxyquinoline Derivatives as Novel Antitumor Agents. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 170-174.	1.3	93
10	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
11	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
12	Determination of the major isosteroidal alkaloids in bulbs of <i>Fritillaria</i> by high-performance liquid chromatography coupled with evaporative light scattering detection. <i>Journal of Chromatography A</i> , 2001, 909, 207-214.	1.8	78
13	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
14	Resveratrol and cardiovascular health – Promising therapeutic or hopeless illusion?. <i>Pharmacological Research</i> , 2014, 90, 88-115.	3.1	74
15	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
16	Danshensu is the major marker for the antioxidant and vasorelaxation effects of Danshen ( <i>Salvia miltiorrhiza</i> ). <i>Journal of Ethnopharmacology</i> , 2010, 126, 1263-1269.	2.3	69
17	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
18	Antioxidative activities and the total phenolic contents of tonic Chinese Medicinal Herbs. <i>Inflammopharmacology</i> , 2008, 16, 201-207.	1.9	65

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19	A Review of the Pharmacological Effects of Piceatannol on Cardiovascular Diseases. <i>Phytotherapy Research</i> , 2014, 28, 1581-1588.	2.8	65
20	<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
21	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 <sup>β</sup> pathways. <i>Journal of Ethnopharmacology</i> , 2015, 170, 8-15.	2.0	63
22	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
23	Comparative study on saponin fractions from <i>Panax notoginseng</i> inhibiting inflammation-induced endothelial adhesion molecule expression and monocyte adhesion. <i>Chinese Medicine</i> , 2011, 6, 37.	1.6	57
24	<i>Panax ginseng</i> , <i>Rhodiola rosea</i> and <i>Schisandra chinensis</i> . <i>International Journal of Food Sciences and Nutrition</i> , 2012, 63, 75-81.	1.3	53
25	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
26	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
27	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. <i>Journal of Food Science</i> , 2011, 76, H80-9.	1.5	51
28	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.	1.6	51
29	Simultaneous determination of seven major isosteroidal alkaloids in bulbs of <i>Fritillaria</i> by gas chromatography. <i>Journal of Chromatography A</i> , 2000, 873, 221-228.	1.8	50
30	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
31	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
32	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
33	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
34	Pre-column derivatization and gas chromatographic determination of alkaloids in bulbs of <i>Fritillaria</i> . <i>Journal of Chromatography A</i> , 1999, 859, 183-192.	1.8	46
35	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
36	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

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37	Antioxidant Activity of Chinese Medicinal Herbs. <i>Pharmaceutical Biology</i> , 2008, 46, 587-595.	1.3	40
38	Exposure to phthalates impaired neurodevelopment through estrogenic effects and induced DNA damage in neurons. <i>Aquatic Toxicology</i> , 2020, 222, 105469.	1.9	40
39	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
40	Suppression of Diet-Induced Hypercholesterolemia by Scutellarin in Rats. <i>Planta Medica</i> , 2009, 75, 1203-1208.	0.7	39
41	Formononetin promotes angiogenesis through the estrogen receptor alpha-enhanced ROCK pathway. <i>Scientific Reports</i> , 2015, 5, 16815.	1.6	39
42	Pro-angiogenic activity of astragaloside IV in HUVECs in vitro and zebrafish in vivo. <i>Molecular Medicine Reports</i> , 2012, 5, 805-11.	1.1	37
43	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
44	Metabolism of calycosin, an isoflavone from <i>Astragali Radix</i> , in zebrafish larvae. <i>Xenobiotica</i> , 2012, 42, 294-303.	0.5	36
45	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
46	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
47	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
48	Modulation by simvastatin of iberiotoxin-sensitive, Ca <sup>2+</sup> -activated K <sup>+</sup> channels of porcine coronary artery smooth muscle cells. <i>British Journal of Pharmacology</i> , 2007, 151, 987-997.	2.7	30
49	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
50	In vitro vitamin K2 and 1 $\alpha$ ,25-dihydroxyvitamin D3 combination enhances osteoblasts anabolism of diabetic mice. <i>European Journal of Pharmacology</i> , 2015, 767, 30-40.	1.7	30
51	Transcriptional profiling of angiogenesis activities of calycosin in zebrafish. <i>Molecular BioSystems</i> , 2011, 7, 3112.	2.9	29
52	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.	1.5	28
53	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
54	Pharmacokinetic Study and Determination of Imperialine, the Major Bioactive Component in Antitussive <i>Fritillaria cirrhosa</i> , in Rat by High-Performance Liquid Chromatography Coupled with Evaporative Light-Scattering Detector. <i>Analytical Biochemistry</i> , 2000, 285, 172-175.	1.1	27

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55	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
56	Emodin elicits cytotoxicity in human lung adenocarcinoma A549 cells through inducing apoptosis. <i>Inflammopharmacology</i> , 2014, 22, 127-134.	1.9	27
57	Aqueous extract of danshen ( <i>Salvia miltiorrhiza</i> Bunge) protects ovariectomized rats fed with high-fat diet from endothelial dysfunction. <i>Menopause</i> , 2013, 20, 100-109.	0.8	26
58	Centipeda minima (Ebushicao) extract inhibits PI3K-Akt-mTOR signaling in nasopharyngeal carcinoma CNE-1 cells. <i>Chinese Medicine</i> , 2015, 10, 26.	1.6	26
59	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
60	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
61	Four Hapten Spacer Sites Modulating Class Specificity: Nondirectional Multianalyte Immunoassay for 31 $\beta$ -Agonists and Analogues. <i>Analytical Chemistry</i> , 2018, 90, 2716-2724.	3.2	25
62	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
63	Semen Astragali Complanati: An ethnopharmacological, phytochemical and pharmacological review. <i>Journal of Ethnopharmacology</i> , 2014, 155, 39-53.	2.0	21
64	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
65	Mitochondrial monoamine oxidase-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
66	Enhancement of <i>in vitro</i> and <i>in vivo</i> anticancer activities of polysaccharide peptide from <i>Grifola frondosa</i> by chemical modifications. <i>Pharmaceutical Biology</i> , 2011, 49, 1114-1120.	1.3	19
67	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
68	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
69	A New Class of Safe, Potent, and Specific P-gp Modulator: Flavonoid Dimer <b>FD18</b> 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
70	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
71	<i>Ligusticum chuanxiong</i> Prevents Ovariectomy-Induced Liver and Vascular Damage in Rats. <i>The American Journal of Chinese Medicine</i> , 2013, 41, 831-848.	1.5	17
72	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

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73	Meta-analysis of association between ALDH2 rs671 polymorphism and essential hypertension in Asian populations. <i>Herz</i> , 2015, 40, 203-208.	0.4	16
74	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
75	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
76	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
77	Suppression of Diet-Induced Hypercholesterolemia by Turtle Jelly, A Traditional Chinese Functional Food, in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-15.	0.5	14
78	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
79	Effect of <i>Hedyotis diffusawater</i> extract on protecting human hepatocyte cells (LO2) from H2O2-induced cytotoxicity. <i>Pharmaceutical Biology</i> , 2015, 54, 1-8.	1.3	14
80	Comparison of vascular relaxation, lipolysis and glucose uptake by peroxisome proliferator-activated receptor- $\beta$ activation in +db/+m and +db/+db mice. <i>European Journal of Pharmacology</i> , 2007, 572, 40-48.	1.7	13
81	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
82	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.	1.6	13
83	Discrimination between Leave of <i>Apocynum venetum</i> and Its Adulterant, <i>A. pictum</i> Based on Antioxidant Assay and Chemical Profiles Combined with Multivariate Statistical Analysis. <i>Antioxidants</i> , 2015, 4, 359-372.	2.2	13
84	Folic Acid Supplementation Modifies $\beta$ -Adrenoceptor-Mediated In Vitro Lipolysis of Obese/Diabetic (+db/+db) Mice. <i>Experimental Biology and Medicine</i> , 2009, 234, 1047-1055.	1.1	12
85	Identification of disulfide isomerase ERp57 as a target for small molecule cardioprotective agents. <i>RSC Advances</i> , 2015, 5, 74605-74610.	1.7	12
86	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
87	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
88	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
89	Evaluation in zebrafish model of the toxicity of rhodamine B-conjugated crotamine, a peptide potentially useful for diagnostics and therapeutics. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21964.	1.4	11
90	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

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91	Effects and Mechanism of Turmeric Vasorelaxation of the Thoracic Aorta in Hypercholesterolemic Rats. <i>Journal of Medicinal Food</i> , 2012, 15, 190-199.	0.8	10
92	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
93	Acute Simvastatin Inhibits KATP Channels of Porcine Coronary Artery Myocytes. <i>PLoS ONE</i> , 2013, 8, e66404.	1.1	10
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	Potential of EDHF-mediated relaxation by chloride channel blockers. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1303-1311.	2.8	8
96	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
97	Role of monoamine oxidases in the exaggerated 5-hydroxytryptamine-induced tension development of human isolated preeclampsic umbilical artery. <i>European Journal of Pharmacology</i> , 2009, 605, 129-137.	1.7	7
98	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
99	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.	0.9	6
100	Cortex Fraxini (Qingpi) Protects Rat Pheochromocytoma Cells against 6-Hydroxydopamine-Induced Apoptosis. <i>Parkinson's Disease</i> , 2015, 2015, 1-11.	0.6	6
101	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
102	Sichuan pepper attenuates H <sub>2</sub> O <sub>2</sub> -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
103	Relaxation Effect of Abacavir on Rat Basilar Arteries. <i>PLoS ONE</i> , 2015, 10, e0123043.	1.1	4
104	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
105	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