

Shing-Hwa Liu

List of Publications by Year in descending order

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270
papers

8,968
citations

38742

50
h-index

79698

73
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275
all docs

275
docs citations

275
times ranked

12555
citing authors

#	ARTICLE	IF	CITATIONS
1	Islet-Like Clusters Derived from Mesenchymal Stem Cells in Wharton's Jelly of the Human Umbilical Cord for Transplantation to Control Type 1 Diabetes. PLoS ONE, 2008, 3, e1451.	2.5	282
2	Heavy metals, islet function and diabetes development. Islets, 2009, 1, 169-176.	1.8	184
3	High Glucose Induces Human Endothelial Cell Apoptosis Through a Phosphoinositide 3-Kinase-Regulated Cyclooxygenase-2 Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 539-545.	2.4	177
4	Arsenic induces pancreatic β -cell apoptosis via the oxidative stress-regulated mitochondria-dependent and endoplasmic reticulum stress-triggered signaling pathways. Toxicology Letters, 2011, 201, 15-26.	0.8	159
5	Arsenic induces apoptosis in myoblasts through a reactive oxygen species-induced endoplasmic reticulum stress and mitochondrial dysfunction pathway. Archives of Toxicology, 2012, 86, 923-933.	4.2	141
6	Endoplasmic Reticulum Stress Implicated in the Development of Renal Fibrosis. Molecular Medicine, 2011, 17, 1295-1305.	4.4	124
7	Protective effects of low-intensity pulsed ultrasound on aluminum-induced cerebral damage in Alzheimer's disease rat model. Scientific Reports, 2015, 5, 9671.	3.3	118
8	Cadmium Induces Apoptosis in Pancreatic β -Cells through a Mitochondria-Dependent Pathway: The Role of Oxidative Stress-Mediated c-Jun N-Terminal Kinase Activation. PLoS ONE, 2013, 8, e54374.	2.5	117
9	Advanced glycation end-products induce skeletal muscle atrophy and dysfunction in diabetic mice via a RAGE-mediated, AMPK-down-regulated, Akt pathway. Journal of Pathology, 2016, 238, 470-482.	4.5	113
10	Reactive Oxygen Species Mediate Cyclic Strain-induced Endothelin-1 Gene Expression via Ras/Raf/extracellular Signal-regulated Kinase Pathway in Endothelial Cells. Journal of Molecular and Cellular Cardiology, 2001, 33, 1805-1814.	1.9	112
11	The Role of Phosphoinositide 3-Kinase/Akt Signaling in Low-Dose Mercury-Induced Mouse Pancreatic β -Cell Dysfunction In Vitro and In Vivo. Diabetes, 2006, 55, 1614-1624.	0.6	108
12	Osteopontin increases migration and MMP-9 up-regulation via α _v β ₃ integrin, FAK, ERK, and NF- κ B-dependent pathway in human chondrosarcoma cells. Journal of Cellular Physiology, 2009, 221, 98-108.	4.1	102
13	Inorganic arsenic causes cell apoptosis in mouse cerebrum through an oxidative stress-regulated signaling pathway. Archives of Toxicology, 2011, 85, 565-575.	4.2	94
14	Involvement of oxidative stress-mediated ERK1/2 and p38 activation regulated mitochondria-dependent apoptotic signals in methylmercury-induced neuronal cell injury. Toxicology Letters, 2011, 204, 71-80.	0.8	93
15	Hyperglycemia Enhances Adipogenic Induction of Lipid Accumulation: Involvement of Extracellular Signal-Regulated Protein Kinase 1/2, Phosphoinositide 3-Kinase/Akt, and Peroxisome Proliferator-Activated Receptor β Signaling. Endocrinology, 2007, 148, 4267-4275.	2.8	89
16	Methylmercury Induces Pancreatic β -Cell Apoptosis and Dysfunction. Chemical Research in Toxicology, 2006, 19, 1080-1085.	3.3	88
17	Advanced Glycation End Products Induce Peroxisome Proliferator-Activated Receptor β Down-Regulation-Related Inflammatory Signals in Human Chondrocytes via Toll-Like Receptor-4 and Receptor for Advanced Glycation End Products. PLoS ONE, 2013, 8, e66611.	2.5	82
18	Inorganic mercury causes pancreatic β -cell death via the oxidative stress-induced apoptotic and necrotic pathways. Toxicology and Applied Pharmacology, 2010, 243, 323-331.	2.8	81

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19	Ultrasound Enhances the Expression of Brain-Derived Neurotrophic Factor in Astrocyte Through Activation of TrkB-Akt and Calcium-CaMK Signaling Pathways. <i>Cerebral Cortex</i> , 2017, 27, bhw169.	2.9	74
20	Arsenic Inhibits Myogenic Differentiation and Muscle Regeneration. <i>Environmental Health Perspectives</i> , 2010, 118, 949-956.	6.0	73
21	Salidroside ameliorates sepsis-induced acute lung injury and mortality via downregulating NF- κ B and HMGB1 pathways through the upregulation of SIRT1. <i>Scientific Reports</i> , 2017, 7, 12026.	3.3	73
22	Chitosan Reduces Gluconeogenesis and Increases Glucose Uptake in Skeletal Muscle in Streptozotocin-Induced Diabetic Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 5795-5800.	5.2	72
23	Extract of Lotus Leaf (<i>Nelumbo nucifera</i>) and Its Active Constituent Catechin with Insulin Secretagogue Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1087-1094.	5.2	71
24	Lotus Leaf (<i>Nelumbo nucifera</i>) and its Active Constituents Prevent Inflammatory Responses in Macrophages via JNK/NF- κ B Signaling Pathway. <i>The American Journal of Chinese Medicine</i> , 2014, 42, 869-889.	3.8	70
25	Reactive Oxygen Species Modulate Angiotensin II-Induced β -Myosin Heavy Chain Gene Expression via Ras/Raf/Extracellular Signal-Regulated Kinase Pathway in Neonatal Rat Cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 143-148.	2.1	69
26	Neurotoxicological mechanism of methylmercury induced by low-dose and long-term exposure in mice: Oxidative stress and down-regulated Na ⁺ /K ⁺ -ATPase involved. <i>Toxicology Letters</i> , 2008, 176, 188-197.	0.8	69
27	Quercetin attenuates renal ischemia/reperfusion injury via an activation of AMP-activated protein kinase-regulated autophagy pathway. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 1226-1234.	4.2	69
28	Antidiabetic Effects of Pterosin A, a Small-Molecular-Weight Natural Product, on Diabetic Mouse Models. <i>Diabetes</i> , 2013, 62, 628-638.	0.6	68
29	Cancer Risk in HBV Patients With Statin and Metformin Use. <i>Medicine (United States)</i> , 2015, 94, e462.	1.0	68
30	Differential neurotoxic effects of methylmercury and mercuric sulfide in rats. <i>Toxicology Letters</i> , 2007, 169, 109-120.	0.8	67
31	Apoptosis of Cultured Astrocytes Induced by the Copper and Neocuproine Complex through Oxidative Stress and JNK Activation. <i>Toxicological Sciences</i> , 2008, 102, 138-149.	3.1	67
32	Honokiol, a low molecular weight natural product, prevents inflammatory response and cartilage matrix degradation in human osteoarthritis chondrocytes. <i>Journal of Orthopaedic Research</i> , 2014, 32, 573-580.	2.3	67
33	Honokiol Induces Calpain-Mediated Glucose-Regulated Protein-94 Cleavage and Apoptosis in Human Gastric Cancer Cells and Reduces Tumor Growth. <i>PLoS ONE</i> , 2007, 2, e1096.	2.5	66
34	Salubrinal, an eIF2 α dephosphorylation inhibitor, enhances cisplatin-induced oxidative stress and nephrotoxicity in a mouse model. <i>Free Radical Biology and Medicine</i> , 2011, 51, 671-680.	2.9	66
35	Inhibition of NADPH oxidase-related oxidative stress-triggered signaling by honokiol suppresses high glucose-induced human endothelial cell apoptosis. <i>Free Radical Biology and Medicine</i> , 2008, 44, 2043-2050.	2.9	65
36	Induction of sirtuin-1 signaling by resveratrol induces human chondrosarcoma cell apoptosis and exhibits antitumor activity. <i>Scientific Reports</i> , 2017, 7, 3180.	3.3	65

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37	Benzo[a]pyrene Regulates Osteoblast Proliferation through an Estrogen Receptor-Related Cyclooxygenase-2 Pathway. <i>Chemical Research in Toxicology</i> , 2004, 17, 679-684.	3.3	62
38	Honokiol induces cell apoptosis in human chondrosarcoma cells through mitochondrial dysfunction and endoplasmic reticulum stress. <i>Cancer Letters</i> , 2010, 291, 20-30.	7.2	60
39	Chemical chaperon 4-phenylbutyrate protects against the endoplasmic reticulum stress-mediated renal fibrosis <i>in vivo</i> and <i>in vitro</i> . <i>Oncotarget</i> , 2016, 7, 22116-22127.	1.8	59
40	Death signaling pathway induced by pyrrolidine dithiocarbamate-Cu ²⁺ complex in the cultured rat cortical astrocytes. <i>Glia</i> , 2000, 31, 249-261.	4.9	58
41	Neurotoxicological effects of low-dose methylmercury and mercuric chloride in developing offspring mice. <i>Toxicology Letters</i> , 2011, 201, 196-204.	0.8	58
42	Caffeine enhances osteoclast differentiation from bone marrow hematopoietic cells and reduces bone mineral density in growing rats. <i>Journal of Orthopaedic Research</i> , 2011, 29, 954-960.	2.3	57
43	Preventive Effect of Low Intensity Pulsed Ultrasound against Experimental Cerebral Ischemia/Reperfusion Injury via Apoptosis Reduction and Brain-derived Neurotrophic Factor Induction. <i>Scientific Reports</i> , 2018, 8, 5568.	3.3	57
44	Activation of phosphoinositide 3-kinase in response to inflammation and nitric oxide leads to the up-regulation of cyclooxygenase-2 expression and subsequent cell proliferation in mesangial cells. <i>Cellular Signalling</i> , 2005, 17, 975-984.	3.6	56
45	The diabetogenic effects of the combination of humic acid and arsenic: In vitro and in vivo studies. <i>Toxicology Letters</i> , 2007, 172, 91-105.	0.8	56
46	Activation of Phosphoinositide 3-kinase in Response to High Glucose Leads to Regulation of Reactive Oxygen Species-Related Nuclear Factor- κ B Activation and Cyclooxygenase-2 Expression in Mesangial Cells. <i>Molecular Pharmacology</i> , 2004, 66, 187-196.	2.3	55
47	Honokiol, a Neuroprotectant against Mouse Cerebral Ischaemia, Mediated by Preserving Na ⁺ , K ⁺ -ATPase Activity and Mitochondrial Functions. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 101, 108-116.	2.5	55
48	Correlation of increased activities of Na ⁺ , K ⁺ -ATPase and Ca ²⁺ -ATPase with the reversal of cisplatin ototoxicity induced by D-methionine in guinea pigs. <i>Hearing Research</i> , 2005, 205, 102-109.	2.0	54
49	Protective Role of AMP-Activated Protein Kinase-Evoked Autophagy on an In Vitro Model of Ischemia/Reperfusion-Induced Renal Tubular Cell Injury. <i>PLoS ONE</i> , 2013, 8, e79814.	2.5	54
50	Genistein induces oestrogen receptor- β gene expression in osteoblasts through the activation of mitogen-activated protein kinases/NF- κ B/activator protein-1 and promotes cell mineralisation. <i>British Journal of Nutrition</i> , 2014, 111, 55-63.	2.3	54
51	PPAR β is involved in the hyperglycemia-induced inflammatory responses and collagen degradation in human chondrocytes and diabetic mouse cartilages. <i>Journal of Orthopaedic Research</i> , 2015, 33, 373-381.	2.3	53
52	Protection of Dexmedetomidine Against Ischemia/Reperfusion-Induced Apoptotic Insults to Neuronal Cells Occurs Via an Intrinsic Mitochondria-Dependent Pathway. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2635-2644.	2.6	53
53	Arsenic and diabetes: Current perspectives. <i>Kaohsiung Journal of Medical Sciences</i> , 2011, 27, 402-410.	1.9	52
54	Arsenic Exposure and Glucose Intolerance/Insulin Resistance in Estrogen-Deficient Female Mice. <i>Environmental Health Perspectives</i> , 2015, 123, 1138-1144.	6.0	52

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55	EGb 761 (Ginkgo biloba) protects cochlear hair cells against ototoxicity induced by gentamicin via reducing reactive oxygen species and nitric oxide-related apoptosis. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 886-894.	4.2	51
56	Honokiol confers immunogenicity by dictating calreticulin exposure, activating ER stress and inhibiting epithelial-to-mesenchymal transition. <i>Molecular Oncology</i> , 2015, 9, 834-849.	4.6	51
57	Effects of tebuconazole on cytochrome P450 enzymes, oxidative stress, and endocrine disruption in male rats. <i>Environmental Toxicology</i> , 2018, 33, 899-907.	4.0	51
58	Effect of ultrasound contrast agent dose on the duration of focused-ultrasound-induced blood-brain barrier disruption. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 3344-3349.	1.1	50
59	Advanced glycation end-products induced VEGF production and inflammatory responses in human synoviocytes via RAGE-NF- κ B pathway activation. <i>Journal of Orthopaedic Research</i> , 2016, 34, 791-800.	2.3	50
60	Neurotoxicological effects of cinnabar (a Chinese mineral medicine, HgS) in mice. <i>Toxicology and Applied Pharmacology</i> , 2007, 224, 192-201.	2.8	49
61	Honokiol ameliorates renal fibrosis by inhibiting extracellular matrix and pro-inflammatory factors in vivo and in vitro. <i>British Journal of Pharmacology</i> , 2011, 163, 586-597.	5.4	49
62	Honokiol rescues sepsis-associated acute lung injury and lethality via the inhibition of oxidative stress and inflammation. <i>Intensive Care Medicine</i> , 2011, 37, 533-541.	8.2	49
63	Resveratrol Attenuates High-Fat Diet-Induced Disruption of the Blood-Brain Barrier and Protects Brain Neurons from Apoptotic Insults. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3466-3475.	5.2	49
64	Brown Seaweed Fucoidan Inhibits Cancer Progression by Dual Regulation of mir-29c/ADAM12 and miR-17-5p/PTEN Axes in Human Breast Cancer Cells. <i>Journal of Cancer</i> , 2016, 7, 2408-2419.	2.5	49
65	Cantharidin Induced Oral Squamous Cell Carcinoma Cell Apoptosis via the JNK-Regulated Mitochondria and Endoplasmic Reticulum Stress-Related Signaling Pathways. <i>PLoS ONE</i> , 2016, 11, e0168095.	2.5	49
66	Plasticizer Di-(2-Ethylhexyl)Phthalate Induces Epithelial-to-Mesenchymal Transition and Renal Fibrosis In Vitro and In Vivo. <i>Toxicological Sciences</i> , 2018, 164, 363-374.	3.1	49
67	Methylmercury exposure induces ROS/Akt inactivation-triggered endoplasmic reticulum stress-regulated neuronal cell apoptosis. <i>Toxicology</i> , 2019, 425, 152245.	4.2	48
68	Novel regimen through combination of memantine and tea polyphenol for neuroprotection against brain excitotoxicity. <i>Journal of Neuroscience Research</i> , 2008, 86, 2696-2704.	2.9	47
69	Supplementation of Chitosan Alleviates High-Fat Diet-Enhanced Lipogenesis in Rats via Adenosine Monophosphate (AMP)-Activated Protein Kinase Activation and Inhibition of Lipogenesis-Associated Genes. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2979-2988.	5.2	47
70	The antifibrotic and anti-inflammatory effects of icariin on the kidney in a unilateral ureteral obstruction mouse model. <i>Phytomedicine</i> , 2019, 59, 152917.	5.3	47
71	IL-13 downregulates PPAR- γ /heme oxygenase-1 via ER stress-stimulated calpain activation: aggravation of activated microglia death. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1465-1476.	5.4	46
72	Chitosan nanofiber scaffold improves bone healing via stimulating trabecular bone production due to upregulation of the Runx2/osteocalcin/alkaline phosphatase signaling pathway. <i>International Journal of Nanomedicine</i> , 2015, 10, 5941.	6.7	45

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73	Advanced Glycation End-Products Induce Apoptosis in Pancreatic Islet Endothelial Cells via NF- κ B-Activated Cyclooxygenase-2/Prostaglandin E2 Up-Regulation. PLoS ONE, 2015, 10, e0124418.	2.5	45
74	CCAAT-Enhancer-Binding Protein Homologous Protein Deficiency Attenuates Oxidative Stress and Renal Ischemia-Reperfusion Injury. Antioxidants and Redox Signaling, 2015, 23, 1233-1245.	5.4	45
75	Involvement of Endoplasmic Reticulum Stress, Autophagy and Apoptosis in Advanced Glycation End Products-Induced Glomerular Mesangial Cell Injury. Scientific Reports, 2016, 6, 34167.	3.3	45
76	Calpain/SHP-1 Interaction by Honokiol Dampening Peritoneal Dissemination of Gastric Cancer in nu/nu Mice. PLoS ONE, 2012, 7, e43711.	2.5	45
77	Titanium Nanoparticle Inhalation Induces Renal Fibrosis in Mice via an Oxidative Stress Upregulated Transforming Growth Factor- β 2 Pathway. Chemical Research in Toxicology, 2015, 28, 354-364.	3.3	44
78	β -Lapachone Reduces Endotoxin-induced Macrophage Activation and Lung Edema and Mortality. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 85-91.	5.6	43
79	C/EBP Homologous Protein (CHOP) Deficiency Aggravates Hippocampal Cell Apoptosis and Impairs Memory Performance. PLoS ONE, 2012, 7, e40801.	2.5	43
80	Honokiol inhibits gastric tumorigenesis by activation of 15-lipoxygenase-1 and consequent inhibition of peroxisome proliferator-activated receptor- α 3 and COX-2-dependent signals. British Journal of Pharmacology, 2010, 160, 1963-1972.	5.4	42
81	Interleukin-18 is a strong predictor of hospitalization in haemodialysis patients. Nephrology Dialysis Transplantation, 2004, 19, 2810-2815.	0.7	40
82	Green Tea Catechin Prevents Hypoxia/Reperfusion-Evoked Oxidative Stress-Regulated Autophagy-Activated Apoptosis and Cell Death in Microglial Cells. Journal of Agricultural and Food Chemistry, 2016, 64, 4078-4085.	5.2	40
83	Biocompatible and multifunctional gold nanorods for effective photothermal therapy of oral squamous cell carcinoma. Journal of Materials Chemistry B, 2019, 7, 4451-4460.	5.8	39
84	Motorcycle Exhaust Particulates Enhance Vasoconstriction in Organ Culture of Rat Aortas and Involve Reactive Oxygen Species. Toxicological Sciences, 2003, 75, 66-73.	3.1	37
85	Influenza Vaccination Reduces Dementia Risk in Chronic Kidney Disease Patients. Medicine (United Tj ETQq1 1 0.784314 rgBT /Overl	1.0	37
86	Aryl Hydrocarbon Receptor Deficiency Attenuates Oxidative Stress-Related Mesangial Cell Activation and Macrophage Infiltration and Extracellular Matrix Accumulation in Diabetic Nephropathy. Antioxidants and Redox Signaling, 2016, 24, 217-231.	5.4	37
87	Improved effects of honokiol on temozolomide-induced autophagy and apoptosis of drug-sensitive and -tolerant glioma cells. BMC Cancer, 2018, 18, 379.	2.6	37
88	Down-Regulation of Glucose-Regulated Protein (GRP) 78 Potentiates Cytotoxic Effect of Celecoxib in Human Urothelial Carcinoma Cells. PLoS ONE, 2012, 7, e33615.	2.5	37
89	Effects of Arsenic on Osteoblast Differentiation <i>in Vitro</i> and on Bone Mineral Density and Microstructure in Rats. Environmental Health Perspectives, 2014, 122, 559-565.	6.0	36
90	Cantharidin Induces Apoptosis Through the Calcium/PKC-Regulated Endoplasmic Reticulum Stress Pathway in Human Bladder Cancer Cells. The American Journal of Chinese Medicine, 2015, 43, 581-600.	3.8	36

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91	Preventing muscle wasting by osteoporosis drug alendronate <i>in vitro</i> and in myopathy models via sirtuin β down β regulation. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 585-602.	7.3	36
92	Preclinical effects of honokiol on treating glioblastoma multiforme via G1 phase arrest and cell apoptosis. <i>Phytomedicine</i> , 2016, 23, 517-527.	5.3	35
93	The regulatory effects of fish oil and chitosan on hepatic lipogenic signals in high-fat diet-induced obese rats. <i>Journal of Food and Drug Analysis</i> , 2017, 25, 919-930.	1.9	35
94	Plasticizer di(2 β ethylhexyl)phthalate interferes with osteoblastogenesis and adipogenesis in a mouse model. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1124-1134.	2.3	35
95	Endurance treadmill running training benefits the biomaterial quality of bone in growing male Wistar rats. <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 350-357.	2.7	34
96	Oxidative stress and c-Jun-amino-terminal kinase activation involved in apoptosis of primary astrocytes induced by disulfiram β Cu $^{2+}$ complex. <i>European Journal of Pharmacology</i> , 2001, 414, 177-188.	3.5	32
97	Ototoxicity induced by cinnabar (a naturally occurring HgS) in mice through oxidative stress and down-regulated Na $^{+}$ /K $^{+}$ -ATPase activities. <i>NeuroToxicology</i> , 2008, 29, 386-396.	3.0	32
98	Omega-3 Fatty Acids-Enriched Fish Oil Activates AMPK/PGC-1 β Signaling and Prevents Obesity-Related Skeletal Muscle Wasting. <i>Marine Drugs</i> , 2019, 17, 380.	4.6	32
99	The novel Aryl hydrocarbon receptor inhibitor biseugenol inhibits gastric tumor growth and peritoneal dissemination. <i>Oncotarget</i> , 2014, 5, 7788-7804.	1.8	32
100	EGb761 inhibits inflammatory responses in human chondrocytes and shows chondroprotection in osteoarthritic rat knee. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1032-1038.	2.3	31
101	Low-dose tributyltin exposure induces an oxidative stress-triggered JNK-related pancreatic β -cell apoptosis and a reversible hypoinsulinemic hyperglycemia in mice. <i>Scientific Reports</i> , 2018, 8, 5734.	3.3	31
102	Protection from Noise-Induced Temporary Threshold Shift by d-Methionine is Associated with Preservation of ATPase Activities. <i>Ear and Hearing</i> , 2008, 29, 65-75.	2.1	31
103	Mite Allergen Der-p2 Triggers Human B Lymphocyte Activation and Toll-Like Receptor-4 Induction. <i>PLoS ONE</i> , 2011, 6, e23249.	2.5	31
104	Neurotoxic Mechanism of Cinnabar and Mercuric Sulfide on the Vestibulo-Ocular Reflex System of Guinea Pigs. <i>Toxicological Sciences</i> , 2002, 67, 256-263.	3.1	30
105	Long-Term Feeding of Chitosan Ameliorates Glucose and Lipid Metabolism in a High-Fructose-Diet-Impaired Rat Model of Glucose Tolerance. <i>Marine Drugs</i> , 2015, 13, 7302-7313.	4.6	30
106	Tributyltin exposure at noncytotoxic doses dysregulates pancreatic β -cell function <i>in vitro</i> and <i>in vivo</i> . <i>Archives of Toxicology</i> , 2017, 91, 3135-3144.	4.2	30
107	Functional Comparison for Lipid Metabolism and Intestinal and Fecal Microflora Enzyme Activities between Low Molecular Weight Chitosan and Chitosan Oligosaccharide in High-Fat-Diet-Fed Rats. <i>Marine Drugs</i> , 2017, 15, 234.	4.6	30
108	Cadmium exposure induces pancreatic β -cell death via a Ca $^{2+}$ -triggered JNK/CHOP-related apoptotic signaling pathway. <i>Toxicology</i> , 2019, 425, 152252.	4.2	30

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109	d-Methionine attenuated cisplatin-induced vestibulotoxicity through altering ATPase activities and oxidative stress in guinea pigs. <i>Toxicology and Applied Pharmacology</i> , 2006, 215, 228-236.	2.8	29
110	<i>Drynaria fortunei</i> J. Sm. improves the bone mass of ovariectomized rats through osteocalcin-involved endochondral ossification. <i>Journal of Ethnopharmacology</i> , 2014, 158, 94-101.	4.1	29
111	Afatinib and its encapsulated polymeric micelles inhibits HER2-overexpressed colorectal tumor cell growth <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2014, 5, 4868-4880.	1.8	29
112	Plasma Interleukin-18 Levels in Chronic Renal Failure and Continuous Ambulatory Peritoneal Dialysis. <i>Blood Purification</i> , 2005, 23, 144-148.	1.8	28
113	Involvement of activating transcription factors JNK, NF- κ B, and AP-1 in apoptosis induced by pyrrolidine dithiocarbamate/Cu complex. <i>European Journal of Pharmacology</i> , 2008, 594, 9-17.	3.5	28
114	A Novel Human Stem Cell Coculture System that Maintains the Survival and Function of Culture Islet-Like Cell Clusters. <i>Cell Transplantation</i> , 2008, 17, 657-664.	2.5	27
115	Evidence for Improved Neuropharmacological Efficacy and Decreased Neurotoxicity in Mice with Traditional Processing of <i>Rhizoma Arisaematis</i> . <i>The American Journal of Chinese Medicine</i> , 2011, 39, 981-998.	3.8	27
116	Dementia Risk in Irradiated Patients With Head and Neck Cancer. <i>Medicine (United States)</i> , 2015, 94, e1983.	1.0	27
117	Fish Oil Supplementation Alleviates the Altered Lipid Homeostasis in Blood, Liver, and Adipose Tissues in High-Fat Diet-Fed Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4118-4128.	5.2	27
118	MLN4924, a Protein Neddylation Inhibitor, Suppresses the Growth of Human Chondrosarcoma through Inhibiting Cell Proliferation and Inducing Endoplasmic Reticulum Stress-Related Apoptosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 72.	4.1	27
119	Comparative Effects and Mechanisms of Chitosan and Its Derivatives on Hypercholesterolemia in High-Fat Diet-Fed Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 92.	4.1	27
120	C/EBP homologous protein (CHOP) deficiency ameliorates renal fibrosis in unilateral ureteral obstructive kidney disease. <i>Oncotarget</i> , 2016, 7, 21900-21912.	1.8	27
121	Distinct genotoxicity of phenylmercury acetate in human lymphocytes as compared with other mercury compounds. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997, 392, 269-276.	1.7	26
122	Potential of noise-induced hearing loss by amikacin in guinea pigs. <i>Hearing Research</i> , 2001, 161, 72-80.	2.0	26
123	Tissue Distribution of Different Mercurial Compounds Analyzed by the Improved FI-CVAAS. <i>Journal of Analytical Toxicology</i> , 2002, 26, 286-295.	2.8	26
124	Honokiol Attenuates the Severity of Acute Pancreatitis and Associated Lung Injury via Acceleration of Acinar Cell Apoptosis. <i>Shock</i> , 2012, 37, 478-484.	2.1	26
125	Honokiol Attenuates Torsion/Detorsion-induced Testicular Injury in Rat Testis by Way of Suppressing Endoplasmic Reticulum Stress-related Apoptosis. <i>Urology</i> , 2012, 79, 967.e5-967.e11.	1.0	26
126	Involvement of Interleukin-6-Regulated Nitric Oxide Synthase in Hemorrhagic Cystitis and Impaired Bladder Contractions in Young Rats Induced by Acrolein, a Urinary Metabolite of Cyclophosphamide. <i>Toxicological Sciences</i> , 2013, 131, 302-310.	3.1	26

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127	TPL2 (Therapeutic Targeting Tumor Progression Locus-2)/ATF4 (Activating Transcription Factor-4)/SDF1 β (Chemokine Stromal Cell-Derived Factor-1 β) Axis Suppresses Diabetic Retinopathy. <i>Circulation Research</i> , 2017, 121, e37-e52.	4.5	26
128	Functional Comparison of High and Low Molecular Weight Chitosan on Lipid Metabolism and Signals in High-Fat Diet-Fed Rats. <i>Marine Drugs</i> , 2018, 16, 251.	4.6	26
129	The Anti-Obesity Effect of Polysaccharide-Rich Red Algae (<i>Gelidium amansii</i>) Hot-Water Extracts in High-Fat Diet-Induced Obese Hamsters. <i>Marine Drugs</i> , 2019, 17, 532.	4.6	26
130	Comparison of outcome and cost among open, laparoscopic, and robotic surgical treatments for rectal cancer: A propensity score matched analysis of nationwide inpatient sample data. <i>Journal of Surgical Oncology</i> , 2018, 117, 497-505.	1.7	25
131	Arsenic induces human chondrocyte senescence and accelerates rat articular cartilage aging. <i>Archives of Toxicology</i> , 2020, 94, 89-101.	4.2	25
132	ATP synthase subunit- β down-regulation aggravates diabetic nephropathy. <i>Scientific Reports</i> , 2015, 5, 14561.	3.3	24
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