

# Shing-Hwa Liu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257 papers	6,829 citations	46 h-index	65 g-index
275 ext. papers	7,927 ext. citations	4.9 avg, IF	5.9 L-index

#	Paper	IF	Citations
257	Islet-like clusters derived from mesenchymal stem cells in Wharton's Jelly of the human umbilical cord for transplantation to control type 1 diabetes. <i>PLoS ONE</i> , <b>2008</b> , 3, e1451	3.7	236
256	High glucose induces human endothelial cell apoptosis through a phosphoinositide 3-kinase-regulated cyclooxygenase-2 pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 539-45	9.4	156
255	Heavy metals, islet function and diabetes development. <i>Islets</i> , <b>2009</b> , 1, 169-76	2	149
254	Arsenic induces pancreatic $\beta$ cell apoptosis via the oxidative stress-regulated mitochondria-dependent and endoplasmic reticulum stress-triggered signaling pathways. <i>Toxicology Letters</i> , <b>2011</b> , 201, 15-26	4.4	143
253	Arsenic induces apoptosis in myoblasts through a reactive oxygen species-induced endoplasmic reticulum stress and mitochondrial dysfunction pathway. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 923-33	5.8	120
252	Reactive oxygen species mediate cyclic strain-induced endothelin-1 gene expression via Ras/Raf/extracellular signal-regulated kinase pathway in endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2001</b> , 33, 1805-14	5.8	102
251	Endoplasmic reticulum stress implicated in the development of renal fibrosis. <i>Molecular Medicine</i> , <b>2011</b> , 17, 1295-305	6.2	99
250	Cadmium induces apoptosis in pancreatic $\beta$ cells through a mitochondria-dependent pathway: the role of oxidative stress-mediated c-Jun N-terminal kinase activation. <i>PLoS ONE</i> , <b>2013</b> , 8, e54374	3.7	92
249	The role of phosphoinositide 3-kinase/Akt signaling in low-dose mercury-induced mouse pancreatic beta-cell dysfunction in vitro and in vivo. <i>Diabetes</i> , <b>2006</b> , 55, 1614-24	0.9	91
248	Osteopontin increases migration and MMP-9 up-regulation via $\alpha$ 5 $\beta$ 3 integrin, FAK, ERK, and NF- $\kappa$ B-dependent pathway in human chondrosarcoma cells. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 221, 98-108	7	87
247	Involvement of oxidative stress-mediated ERK1/2 and p38 activation regulated mitochondria-dependent apoptotic signals in methylmercury-induced neuronal cell injury. <i>Toxicology Letters</i> , <b>2011</b> , 204, 71-80	4.4	82
246	Protective effects of low-intensity pulsed ultrasound on aluminum-induced cerebral damage in Alzheimer's disease rat model. <i>Scientific Reports</i> , <b>2015</b> , 5, 9671	4.9	81
245	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 gamma signaling. <i>Endocrinology</i> , <b>2007</b> , 148, 4267-75	4.8	80
244	Inorganic arsenic causes cell apoptosis in mouse cerebrum through an oxidative stress-regulated signaling pathway. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 565-75	5.8	77
243	Advanced glycation end-products induce skeletal muscle atrophy and dysfunction in diabetic mice via a RAGE-mediated, AMPK-down-regulated, Akt pathway. <i>Journal of Pathology</i> , <b>2016</b> , 238, 470-82	9.4	73
242	Methylmercury induces pancreatic beta-cell apoptosis and dysfunction. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 1080-5	4	73
241	Inorganic mercury causes pancreatic beta-cell death via the oxidative stress-induced apoptotic and necrotic pathways. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 243, 323-31	4.6	72

240	Advanced glycation end products induce peroxisome proliferator-activated receptor $\gamma$ down-regulation-related inflammatory signals in human chondrocytes via Toll-like receptor-4 and receptor for advanced glycation end products. <i>PLoS ONE</i> , <b>2013</b> , 8, e66611	3.7	66
239	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> , <b>2008</b> , 44, 2043-50	7.8	63
238	Reactive oxygen species modulate angiotensin II-induced beta-myosin heavy chain gene expression via Ras/Raf/extracellular signal-regulated kinase pathway in neonatal rat cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 283, 143-8	3.4	62
237	Differential neurotoxic effects of methylmercury and mercuric sulfide in rats. <i>Toxicology Letters</i> , <b>2007</b> , 169, 109-20	4.4	61
236	Chitosan reduces gluconeogenesis and increases glucose uptake in skeletal muscle in streptozotocin-induced diabetic rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 5795-800	5.7	60
235	Honokiol, a low molecular weight natural product, prevents inflammatory response and cartilage matrix degradation in human osteoarthritis chondrocytes. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 573-80	3.8	59
234	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> , <b>2011</b> , 59, 1087-94	5.7	59
233	Neurotoxicological mechanism of methylmercury induced by low-dose and long-term exposure in mice: oxidative stress and down-regulated Na <sup>+</sup> /K <sup>+</sup> -ATPase involved. <i>Toxicology Letters</i> , <b>2008</b> , 176, 188-97	4.4	58
232	Benzo[a]pyrene regulates osteoblast proliferation through an estrogen receptor-related cyclooxygenase-2 pathway. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 679-84	4	58
231	Apoptosis of cultured astrocytes induced by the copper and neocuproine complex through oxidative stress and JNK activation. <i>Toxicological Sciences</i> , <b>2008</b> , 102, 138-49	4.4	57
230	Quercetin attenuates renal ischemia/reperfusion injury via an activation of AMP-activated protein kinase-regulated autophagy pathway. <i>Journal of Nutritional Biochemistry</i> , <b>2014</b> , 25, 1226-1234	6.3	56
229	Arsenic inhibits myogenic differentiation and muscle regeneration. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 949-56	8.4	56
228	Honokiol induces calpain-mediated glucose-regulated protein-94 cleavage and apoptosis in human gastric cancer cells and reduces tumor growth. <i>PLoS ONE</i> , <b>2007</b> , 2, e1096	3.7	56
227	Activation of phosphoinositide 3-kinase in response to high glucose leads to regulation of reactive oxygen species-related nuclear factor-kappaB activation and cyclooxygenase-2 expression in mesangial cells. <i>Molecular Pharmacology</i> , <b>2004</b> , 66, 187-96	4.3	54
226	Death signaling pathway induced by pyrrolidine dithiocarbamate-Cu(2+) complex in the cultured rat cortical astrocytes. <i>Glia</i> , <b>2000</b> , 31, 249-61	9	54
225	Honokiol induces cell apoptosis in human chondrosarcoma cells through mitochondrial dysfunction and endoplasmic reticulum stress. <i>Cancer Letters</i> , <b>2010</b> , 291, 20-30	9.9	53
224	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> , <b>2005</b> , 17, 975-84	4.9	53
223	Induction of sirtuin-1 signaling by resveratrol induces human chondrosarcoma cell apoptosis and exhibits antitumor activity. <i>Scientific Reports</i> , <b>2017</b> , 7, 3180	4.9	52

- 222 Lotus leaf (*Nelumbo nucifera*) and its active constituents prevent inflammatory responses in macrophages via JNK/NF- $\kappa$ B signaling pathway. *The American Journal of Chinese Medicine*, **2014**, 42, 869-896 52
- 221 Salubrinal, an eIF2 $\gamma$ dephosphorylation inhibitor, enhances cisplatin-induced oxidative stress and nephrotoxicity in a mouse model. *Free Radical Biology and Medicine*, **2011**, 51, 671-80 7.8 51
- 220 The diabetogenic effects of the combination of humic acid and arsenic: in vitro and in vivo studies. *Toxicology Letters*, **2007**, 172, 91-105 4.4 51
- 219 Cancer risk in HBV patients with statin and metformin use: a population-based cohort study. *Medicine (United States)*, **2015**, 94, e462 1.8 50
- 218 Protective role of AMP-activated protein kinase-evoked autophagy on an in vitro model of ischemia/reperfusion-induced renal tubular cell injury. *PLoS ONE*, **2013**, 8, e79814 3.7 49
- 217 Neurotoxicological effects of low-dose methylmercury and mercuric chloride in developing offspring mice. *Toxicology Letters*, **2011**, 201, 196-204 4.4 49
- 216 Antidiabetic effects of pterisin A, a small-molecular-weight natural product, on diabetic mouse models. *Diabetes*, **2013**, 62, 628-38 0.9 48
- 215 Correlation of increased activities of Na<sup>+</sup>, K<sup>+</sup>-ATPase and Ca<sup>2+</sup>-ATPase with the reversal of cisplatin ototoxicity induced by D-methionine in guinea pigs. *Hearing Research*, **2005**, 205, 102-9 3.9 48
- 214 Arsenic Exposure and Glucose Intolerance/Insulin Resistance in Estrogen-Deficient Female Mice. *Environmental Health Perspectives*, **2015**, 123, 1138-44 8.4 47
- 213 Caffeine enhances osteoclast differentiation from bone marrow hematopoietic cells and reduces bone mineral density in growing rats. *Journal of Orthopaedic Research*, **2011**, 29, 954-60 3.8 47
- 212 Effect of ultrasound contrast agent dose on the duration of focused-ultrasound-induced blood-brain barrier disruption. *Journal of the Acoustical Society of America*, **2009**, 126, 3344-9 2.2 47
- 211 Chemical chaperon 4-phenylbutyrate protects against the endoplasmic reticulum stress-mediated renal fibrosis in vivo and in vitro. *Oncotarget*, **2016**, 7, 22116-27 3.3 46
- 210 Ultrasound Enhances the Expression of Brain-Derived Neurotrophic Factor in Astrocyte Through Activation of TrkB-Akt and Calcium-CaMK Signaling Pathways. *Cerebral Cortex*, **2017**, 27, 3152-3160 5.1 44
- 209 Honokiol, a neuroprotectant against mouse cerebral ischaemia, mediated by preserving Na<sup>+</sup>, K<sup>+</sup>-ATPase activity and mitochondrial functions. *Basic and Clinical Pharmacology and Toxicology*, **2007**, 101, 108-16 3.1 44
- 208 Advanced glycation end-products induced VEGF production and inflammatory responses in human synoviocytes via RAGE-NF- $\kappa$ B pathway activation. *Journal of Orthopaedic Research*, **2016**, 34, 791-800 3.8 44
- 207 Protection of Dexmedetomidine Against Ischemia/Reperfusion-Induced Apoptotic Insults to Neuronal Cells Occurs Via an Intrinsic Mitochondria-Dependent Pathway. *Journal of Cellular Biochemistry*, **2017**, 118, 2635-2644 4.7 43
- 206 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. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 2979-88 5.7 43
- 205 Salidroside ameliorates sepsis-induced acute lung injury and mortality via downregulating NF- $\kappa$ B and HMGB1 pathways through the upregulation of SIRT1. *Scientific Reports*, **2017**, 7, 12026 4.9 42

204	Genistein induces oestrogen receptor- $\beta$ gene expression in osteoblasts through the activation of mitogen-activated protein kinases/NF- $\kappa$ B/activator protein-1 and promotes cell mineralisation. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 55-63	3.6	41
203	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> , <b>2011</b> , 22, 886-94	6.3	41
202	Honokiol confers immunogenicity by dictating calreticulin exposure, activating ER stress and inhibiting epithelial-to-mesenchymal transition. <i>Molecular Oncology</i> , <b>2015</b> , 9, 834-49	7.9	40
201	Honokiol ameliorates renal fibrosis by inhibiting extracellular matrix and pro-inflammatory factors in vivo and in vitro. <i>British Journal of Pharmacology</i> , <b>2011</b> , 163, 586-97	8.6	40
200	Novel regimen through combination of memantine and tea polyphenol for neuroprotection against brain excitotoxicity. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 2696-704	4.4	40
199	beta-Lapachone reduces endotoxin-induced macrophage activation and lung edema and mortality. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2003</b> , 168, 85-91	10.2	40
198	Advanced glycation end-products induce apoptosis in pancreatic islet endothelial cells via NF- $\kappa$ B-activated cyclooxygenase-2/prostaglandin E2 up-regulation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124418	3.7	39
197	Arsenic and diabetes: current perspectives. <i>Kaohsiung Journal of Medical Sciences</i> , <b>2011</b> , 27, 402-10	2.4	38
196	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> , <b>2014</b> , 62, 3466-75	5.7	37
195	Neurotoxicological effects of cinnabar (a Chinese mineral medicine, HgS) in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 224, 192-201	4.6	37
194	PPAR $\gamma$ s involved in the hyperglycemia-induced inflammatory responses and collagen degradation in human chondrocytes and diabetic mouse cartilages. <i>Journal of Orthopaedic Research</i> , <b>2015</b> , 33, 373-81	3.8	36
193	Titanium nanoparticle inhalation induces renal fibrosis in mice via an oxidative stress upregulated transforming growth factor- $\beta$ pathway. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 354-64	4	36
192	Involvement of Endoplasmic Reticulum Stress, Autophagy, and Apoptosis in Advanced Glycation End Products-Induced Glomerular Mesangial Cell Injury. <i>Scientific Reports</i> , <b>2016</b> , 6, 34167	4.9	36
191	Interleukin-18 is a strong predictor of hospitalization in haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , <b>2004</b> , 19, 2810-5	4.3	36
190	Calpain/SHP-1 interaction by honokiol dampening peritoneal dissemination of gastric cancer in nu/nu mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e43711	3.7	36
189	CCAAT-Enhancer-Binding Protein Homologous Protein Deficiency Attenuates Oxidative Stress and Renal Ischemia-Reperfusion Injury. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 1233-45	8.4	35
188	C/EBP homologous protein (CHOP) deficiency aggravates hippocampal cell apoptosis and impairs memory performance. <i>PLoS ONE</i> , <b>2012</b> , 7, e40801	3.7	35
187	Honokiol rescues sepsis-associated acute lung injury and lethality via the inhibition of oxidative stress and inflammation. <i>Intensive Care Medicine</i> , <b>2011</b> , 37, 533-41	14.5	35

186	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> , <b>2018</b> , 8, 5568	4.9	33
185	Motorcycle exhaust particulates enhance vasoconstriction in organ culture of rat aortas and involve reactive oxygen species. <i>Toxicological Sciences</i> , <b>2003</b> , 75, 66-73	4.4	33
184	The antifibrotic and anti-inflammatory effects of icariin on the kidney in a unilateral ureteral obstruction mouse model. <i>Phytomedicine</i> , <b>2019</b> , 59, 152917	6.5	32
183	Cantharidin Induces Apoptosis Through the Calcium/PKC-Regulated Endoplasmic Reticulum Stress Pathway in Human Bladder Cancer Cells. <i>The American Journal of Chinese Medicine</i> , <b>2015</b> , 43, 581-600	6	32
182	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> , <b>2015</b> , 10, 5941-54	7.3	32
181	Honokiol inhibits gastric tumourigenesis by activation of 15-lipoxygenase-1 and consequent inhibition of peroxisome proliferator-activated receptor-gamma and COX-2-dependent signals. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 1963-72	8.6	31
180	IL-13 downregulates PPAR-gamma/heme oxygenase-1 via ER stress-stimulated calpain activation: aggravation of activated microglia death. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 1465-76	10.3	31
179	Brown Seaweed Fucoïdan 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> , <b>2016</b> , 7, 2408-2419	4.5	31
178	Green Tea Catechin Prevents Hypoxia/Reperfusion-Evoked Oxidative Stress-Regulated Autophagy-Activated Apoptosis and Cell Death in Microglial Cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 4078-85	5.7	31
177	Effects of tebuconazole on cytochrome P450 enzymes, oxidative stress, and endocrine disruption in male rats. <i>Environmental Toxicology</i> , <b>2018</b> , 33, 899	4.2	31
176	Effects of arsenic on osteoblast differentiation in vitro and on bone mineral density and microstructure in rats. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 559-65	8.4	30
175	Preclinical effects of honokiol on treating glioblastoma multiforme via G1 phase arrest and cell apoptosis. <i>Phytomedicine</i> , <b>2016</b> , 23, 517-27	6.5	29
174	Down-regulation of glucose-regulated protein (GRP) 78 potentiates cytotoxic effect of celecoxib in human urothelial carcinoma cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e33615	3.7	29
173	Cantharidin Induced Oral Squamous Cell Carcinoma Cell Apoptosis via the JNK-Regulated Mitochondria and Endoplasmic Reticulum Stress-Related Signaling Pathways. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168095	3.7	29
172	Afatinib and its encapsulated polymeric micelles inhibits HER2-overexpressed colorectal tumor cell growth in vitro and in vivo. <i>Oncotarget</i> , <b>2014</b> , 5, 4868-80	3.3	28
171	Plasticizer Di-(2-Ethylhexyl)Phthalate Induces Epithelial-to-Mesenchymal Transition and Renal Fibrosis In Vitro and In Vivo. <i>Toxicological Sciences</i> , <b>2018</b> , 164, 363-374	4.4	27
170	Methylmercury exposure induces ROS/Akt inactivation-triggered endoplasmic reticulum stress-regulated neuronal cell apoptosis. <i>Toxicology</i> , <b>2019</b> , 425, 152245	4.4	27
169	Oxidative stress and c-Jun-amino-terminal kinase activation involved in apoptosis of primary astrocytes induced by disulfiram-Cu(2+) complex. <i>European Journal of Pharmacology</i> , <b>2001</b> , 414, 177-88	5.3	27



168	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> , <b>2017</b> , 25, 919-930	7	25
167	Improved effects of honokiol on temozolomide-induced autophagy and apoptosis of drug-sensitive and -tolerant glioma cells. <i>BMC Cancer</i> , <b>2018</b> , 18, 379	4.8	25
166	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> , <b>2017</b> , 15,	6	25
165	Honokiol attenuates the severity of acute pancreatitis and associated lung injury via acceleration of acinar cell apoptosis. <i>Shock</i> , <b>2012</b> , 37, 478-84	3.4	25
164	D-Methionine attenuated cisplatin-induced vestibulotoxicity through altering ATPase activities and oxidative stress in guinea pigs. <i>Toxicology and Applied Pharmacology</i> , <b>2006</b> , 215, 228-36	4.6	25
163	Plasma interleukin-18 levels in chronic renal failure and continuous ambulatory peritoneal dialysis. <i>Blood Purification</i> , <b>2005</b> , 23, 144-8	3.1	25
162	Potential of noise-induced hearing loss by amikacin in guinea pigs. <i>Hearing Research</i> , <b>2001</b> , 161, 72-80	3.9	25
161	The novel Aryl hydrocarbon receptor inhibitor biseugenol inhibits gastric tumor growth and peritoneal dissemination. <i>Oncotarget</i> , <b>2014</b> , 5, 7788-804	3.3	25
160	Ototoxicity induced by cinnabar (a naturally occurring HgS) in mice through oxidative stress and down-regulated Na(+)/K(+)-ATPase activities. <i>NeuroToxicology</i> , <b>2008</b> , 29, 386-96	4.4	24
159	A novel human stem cell coculture system that maintains the survival and function of culture islet-like cell clusters. <i>Cell Transplantation</i> , <b>2008</b> , 17, 657-64	4	24
158	Tissue distribution of different mercurial compounds analyzed by the improved FI-CVAAS. <i>Journal of Analytical Toxicology</i> , <b>2002</b> , 26, 286-95	2.9	24
157	Mite allergen Der-p2 triggers human B lymphocyte activation and Toll-like receptor-4 induction. <i>PLoS ONE</i> , <b>2011</b> , 6, e23249	3.7	24
156	Biocompatible and multifunctional gold nanorods for effective photothermal therapy of oral squamous cell carcinoma. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4451-4460	7.3	23
155	Oxidative stress-induced apoptotic insults to rat osteoblasts are attenuated by nitric oxide pretreatment via GATA-5-involved regulation of Bcl-X L gene expression and protein translocation. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 905-16	5.8	23
154	EGb761 inhibits inflammatory responses in human chondrocytes and shows chondroprotection in osteoarthritic rat knee. <i>Journal of Orthopaedic Research</i> , <b>2013</b> , 31, 1032-8	3.8	23
153	Distinct genotoxicity of phenylmercury acetate in human lymphocytes as compared with other mercury compounds. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>1997</b> , 392, 269-76	3	23
152	Neurotoxic mechanism of cinnabar and mercuric sulfide on the vestibulo-ocular reflex system of guinea pigs. <i>Toxicological Sciences</i> , <b>2002</b> , 67, 256-63	4.4	23
151	Preventing muscle wasting by osteoporosis drug alendronate in vitro and in myopathy models via sirtuin-3 down-regulation. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2018</b> , 9, 585-602	10.3	22

- 150 Drynaria fortunei J. Sm. improves the bone mass of ovariectomized rats through osteocalcin-involved endochondral ossification. *Journal of Ethnopharmacology*, **2014**, 158 Pt A, 94-101 5 22
- 149 Enhancing effects of morphine on methamphetamine-induced reinforcing behavior and its association with dopamine release and metabolism in mice. *Journal of Neurochemistry*, **2009**, 109, 382-92<sup>6</sup> 22
- 148 Involvement of activating transcription factors JNK, NF-kappaB, and AP-1 in apoptosis induced by pyrrolidine dithiocarbamate/Cu complex. *European Journal of Pharmacology*, **2008**, 594, 9-17 5.3 22
- 147 Endurance treadmill running training benefits the biomaterial quality of bone in growing male Wistar rats. *Journal of Bone and Mineral Metabolism*, **2008**, 26, 350-7 2.9 22
- 146 Effects of gentamicin and pH on [Ca<sup>2+</sup>]<sub>i</sub> in apical and basal outer hair cells from guinea pigs. *Hearing Research*, **2001**, 154, 81-7 3.9 22
- 145 Protection from noise-induced temporary threshold shift by D-methionine is associated with preservation of ATPase activities. *Ear and Hearing*, **2008**, 29, 65-75 3.4 22
- 144 Dementia Risk in Irradiated Patients With Head and Neck Cancer. *Medicine (United States)*, **2015**, 94, e19833 21
- 143 Honokiol attenuates torsion/detorsion-induced testicular injury in rat testis by way of suppressing endoplasmic reticulum stress-related apoptosis. *Urology*, **2012**, 79, 967.e5-11 1.6 21
- 142 Inhibition of inducible nitric oxide synthase by beta-lapachone in rat alveolar macrophages and aorta. *British Journal of Pharmacology*, **1999**, 126, 746-50 8.6 21
- 141 Fish Oil Supplementation Alleviates the Altered Lipid Homeostasis in Blood, Liver, and Adipose Tissues in High-Fat Diet-Fed Rats. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 4118-4128 5.7 20
- 140 Long-Term Feeding of Chitosan Ameliorates Glucose and Lipid Metabolism in a High-Fructose-Diet-Impaired Rat Model of Glucose Tolerance. *Marine Drugs*, **2015**, 13, 7302-13 6 20
- 139 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. *Toxicological Sciences*, **2013**, 131, 302-10 4.4 20
- 138 C/EBP homologous protein (CHOP) deficiency ameliorates renal fibrosis in unilateral ureteral obstructive kidney disease. *Oncotarget*, **2016**, 7, 21900-12 3.3 20
- 137 Influenza Vaccination Reduces Dementia Risk in Chronic Kidney Disease Patients: A Population-Based Cohort Study. *Medicine (United States)*, **2016**, 95, e2868 1.8 20
- 136 MLN4924, a Protein Neddylolation Inhibitor, Suppresses the Growth of Human Chondrosarcoma through Inhibiting Cell Proliferation and Inducing Endoplasmic Reticulum Stress-Related Apoptosis. *International Journal of Molecular Sciences*, **2018**, 20, 6.3 19
- 135 Low-dose tributyltin exposure induces an oxidative stress-triggered JNK-related pancreatic  $\beta$  cell apoptosis and a reversible hypoinsulinemic hyperglycemia in mice. *Scientific Reports*, **2018**, 8, 5734 4.9 19
- 134 Autophagy induction promotes aristolochic acid-I-induced renal injury in vivo and in vitro. *Toxicology*, **2013**, 312, 63-73 4.4 19
- 133 Plasticizer di(2-ethylhexyl)phthalate interferes with osteoblastogenesis and adipogenesis in a mouse model. *Journal of Orthopaedic Research*, **2018**, 36, 1124-1134 3.8 19



132	Advanced glycation end product N <sup>ε</sup> -carboxymethyllysine induces endothelial cell injury: the involvement of SHP-1-regulated VEGFR-2 dephosphorylation. <i>Journal of Pathology</i> , <b>2013</b> , 230, 215-27	9.4	19
131	A novel inner ear monitoring system for evaluating ototoxicity of gentamicin eardrops in guinea pigs. <i>Laryngoscope</i> , <b>2010</b> , 120, 1220-6	3.6	19
130	Evaluation of guinea pig model for ocular and cervical vestibular-evoked myogenic potentials for vestibular function test. <i>Laryngoscope</i> , <b>2010</b> , 120, 1910-7	3.6	19
129	Tributyltin exposure at noncytotoxic doses dysregulates pancreatic $\beta$ cell function in vitro and in vivo. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3135-3144	5.8	18
128	Omega-3 Fatty Acids-Enriched Fish Oil Activates AMPK/PGC-1 $\beta$ Signaling and Prevents Obesity-Related Skeletal Muscle Wasting. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	18
127	Evidence for improved neuropharmacological efficacy and decreased neurotoxicity in mice with traditional processing of Rhizoma Arisaematis. <i>The American Journal of Chinese Medicine</i> , <b>2011</b> , 39, 981-98	6	18
126	Methamphetamine-elicited alterations of dopamine- and serotonin-metabolite levels within mu-opioid receptor knockout mice: a microdialysis study. <i>Journal of Biomedical Science</i> , <b>2008</b> , 15, 391-403	13.3	18
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123	Functional Comparison of High and Low Molecular Weight Chitosan on Lipid Metabolism and Signals in High-Fat Diet-Fed Rats. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	17
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