

Wei-Zhe Liang

List of Publications by Year in descending order

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68
papers

590
citations

567281

15
h-index

713466

21
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68
all docs

68
docs citations

68
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of thymol on Ca ²⁺ homeostasis and viability in human glioblastoma cells. <i>European Journal of Pharmacology</i> , 2011, 670, 85-91.	3.5	56
2	The protective effects of the antioxidant N-acetylcysteine (NAC) against oxidative stress-associated apoptosis evoked by the organophosphorus insecticide malathion in normal human astrocytes. <i>Toxicology</i> , 2019, 417, 1-14.	4.2	43
3	The effect of gallic acid on cytotoxicity, Ca ²⁺ homeostasis and ROS production in DBTRG-05MG human glioblastoma cells and CTX TNA2 rat astrocytes. <i>Chemico-Biological Interactions</i> , 2016, 252, 61-73.	4.0	29
4	The mechanism of carvacrol-evoked [Ca ²⁺] _i rises and non-Ca ²⁺ -triggered cell death in OC2 human oral cancer cells. <i>Toxicology</i> , 2013, 303, 152-161.	4.2	28
5	Cytotoxic effects of gastrodin extracted from the rhizome of <i>Gastrodia elata</i> Blume in glioblastoma cells, but not in normal astrocytes, via the induction of oxidative stress-associated apoptosis that involved cell cycle arrest and p53 activation. <i>Food and Chemical Toxicology</i> , 2017, 107, 280-292.	3.6	22
6	Effect of caffeic acid on Ca ²⁺ homeostasis and apoptosis in SCM1 human gastric cancer cells. <i>Archives of Toxicology</i> , 2013, 87, 2141-2150.	4.2	21
7	Esculetin, a natural coumarin compound, evokes Ca ²⁺ movement and activation of Ca ²⁺ -associated mitochondrial apoptotic pathways that involved cell cycle arrest in ZR-75-1 human breast cancer cells. <i>Tumor Biology</i> , 2016, 37, 4665-4678.	1.8	21
8	Mechanisms underlying effect of the mycotoxin cytochalasin B on induction of cytotoxicity, modulation of cell cycle, Ca ²⁺ homeostasis and ROS production in human breast cells. <i>Toxicology</i> , 2016, 370, 1-19.	4.2	20
9	Investigation of 2,6-diisopropylphenol (propofol)-evoked Ca ²⁺ movement and cell death in human glioblastoma cells. <i>Toxicology in Vitro</i> , 2012, 26, 862-871.	2.4	18
10	Mechanisms of resveratrol-induced changes in [Ca ²⁺] _i and cell viability in PC3 human prostate cancer cells. <i>Journal of Receptor and Signal Transduction Research</i> , 2013, 33, 298-303.	2.5	18
11	Selective cytotoxic effects of low-power laser irradiation on human oral cancer cells. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 756-764.	2.1	17
12	The effect of oleuropein from olive leaf (<i>Olea europaea</i>) extract on Ca ²⁺ homeostasis, cytotoxicity, cell cycle distribution and ROS signaling in HepG2 human hepatoma cells. <i>Food and Chemical Toxicology</i> , 2016, 91, 151-166.	3.6	17
13	The Mechanism of Ca ²⁺ Movement in the Involvement of Baicalein-Induced Cytotoxicity in ZR-75-1 Human Breast Cancer Cells. <i>Journal of Natural Products</i> , 2015, 78, 1624-1634.	3.0	16
14	Evaluation of cytotoxicity of propofol and its related mechanism in glioblastoma cells and astrocytes. <i>Environmental Toxicology</i> , 2017, 32, 2440-2454.	4.0	16
15	The investigation of the pyrethroid insecticide lambda-cyhalothrin (LCT)-affected Ca ²⁺ homeostasis and -activated Ca ²⁺ -associated mitochondrial apoptotic pathway in normal human astrocytes: The evaluation of protective effects of BAPTA-AM (a selective Ca ²⁺ chelator). <i>NeuroToxicology</i> , 2018, 69, 97-107.	3.0	16
16	Exploring the impact of a naturally occurring sapogenin diosgenin on underlying mechanisms of Ca ²⁺ movement and cytotoxicity in human prostate cancer cells. <i>Environmental Toxicology</i> , 2020, 35, 395-403.	4.0	15
17	The mechanism of honokiol-induced intracellular Ca ²⁺ rises and apoptosis in human glioblastoma cells. <i>Chemico-Biological Interactions</i> , 2014, 221, 13-23.	4.0	14
18	Mechanisms of resveratrol-induced changes in cytosolic free calcium ion concentrations and cell viability in OC2 human oral cancer cells. <i>Human and Experimental Toxicology</i> , 2015, 34, 289-299.	2.2	12

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19	The involvement of mitochondrial apoptotic pathway in eugenol-induced cell death in human glioblastoma cells. <i>Toxicology Letters</i> , 2015, 232, 122-132.	0.8	12
20	Effect of Thymol on Ca ⁽²⁺⁾ Homeostasis and Viability in PC3 Human Prostate Cancer Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 32-40.	1.0	12
21	The effect of the phenol compound ellagic acid on Ca ²⁺ homeostasis and cytotoxicity in liver cells. <i>European Journal of Pharmacology</i> , 2016, 780, 243-251.	3.5	10
22	Protective effects of a phenolic glycoside compound curculigoside on H ₂ O ₂ -induced oxidative stress and cytotoxicity in normal human breast epithelial cells. <i>Journal of Functional Foods</i> , 2018, 41, 171-182.	3.4	10
23	Paroxetine-induced Ca ²⁺ movement and death in OC2 human oral cancer cells. <i>Chinese Journal of Physiology</i> , 2011, 54, 310-7.	1.0	10
24	Effect of diindolylmethane on Ca ²⁺ homeostasis and viability in PC3 human prostate cancer cells. <i>Journal of Receptor and Signal Transduction Research</i> , 2012, 32, 271-278.	2.5	9
25	Uncovering malathion (an organophosphate insecticide) action on Ca ²⁺ signal transduction and investigating the effects of BAPTA-AM (a cell-permeant Ca ²⁺ chelator) on protective responses in glial cells. <i>Pesticide Biochemistry and Physiology</i> , 2019, 157, 152-160.	3.6	9
26	The investigation of minoxidil-induced [Ca ²⁺] _i rises and non-Ca ²⁺ -triggered cell death in PC3 human prostate cancer cells. <i>Journal of Receptor and Signal Transduction Research</i> , 2017, 37, 1-7.	2.5	7
27	Effect of Fluoxetine on [Ca ⁽²⁺⁾] _i and Cell Viability in OC2 Human Oral Cancer Cells. <i>Chinese Journal of Physiology</i> , 2014, 57, 256-264.	1.0	7
28	Ca ²⁺ movement and cytotoxicity induced by the pyrethroid pesticide bifenthrin in human prostate cancer cells. <i>Human and Experimental Toxicology</i> , 2019, 38, 1145-1154.	2.2	6
29	Exploration of the effect of the alkaloid colchicine on Ca ²⁺ handling and its related physiology in human oral cancer cells. <i>Archives of Oral Biology</i> , 2019, 102, 179-185.	1.8	6
30	Mechanisms underlying protective effects of vitamin E against mycotoxin deoxynivalenol-induced oxidative stress and its related cytotoxicity in primary human brain endothelial cells. <i>Environmental Toxicology</i> , 2021, 36, 1375-1388.	4.0	6
31	Ca ²⁺ movement and apoptosis induced by deltamethrin in Madinâ€‘Darby canine kidney canine renal tubular cells. <i>Kaohsiung Journal of Medical Sciences</i> , 2015, 31, 1-8.	1.9	5
32	Action of the insecticide cyfluthrin on Ca ²⁺ signal transduction and cytotoxicity in human osteosarcoma cells. <i>Human and Experimental Toxicology</i> , 2020, 39, 1268-1276.	2.2	5
33	Effect of Methoxsalen on Ca ⁽²⁺⁾ Homeostasis and Viability in Human Osteosarcoma Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 174-182.	1.0	5
34	Effect of Carvacrol on Ca ⁽²⁺⁾ Movement and Viability in PC3 Human Prostate Cancer Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 275-283.	1.0	5
35	The Impact of the Antipsychotic Medication Chlorpromazine on Cytotoxicity through Ca ²⁺ Signaling Pathway in Glial Cell Models. <i>Neurotoxicity Research</i> , 2022, 40, 791.	2.7	5
36	Effect of Miconazole on [Ca ⁽²⁺⁾] _i and Cytotoxicity in ZR-75-1 Human Breast Cancer Cells. <i>Chinese Journal of Physiology</i> , 2015, 58, 377-384.	1.0	4

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37	Ca ⁽²⁺⁾ Movement Induced by Deltamethrin in PC3 Human Prostate Cancer Cells. Chinese Journal of Physiology, 2016, 59, 148-155.	1.0	4
38	Action of Chlorzoxazone on Ca ²⁺ Movement and Viability in Human Oral Cancer Cells. Chinese Journal of Physiology, 2019, 62, 123-130.	1.0	4
39	Exploration of Thioridazine-Induced Ca ²⁺ Signaling and non-Ca ²⁺ -Triggered Cell Death in HepG2 Human Hepatocellular Carcinoma Cells. Chinese Journal of Physiology, 2020, 63, 187-194.	1.0	4
40	Investigation of Cytotoxicity and Oxidative Stress Induced by the Pyrethroid Bioallethrin in Human Glioblastoma Cells: The Protective Effect of Vitamin E (VE) and Its Underlying Mechanism. Chemical Research in Toxicology, 2022, .	3.3	4
41	Cytotoxic Effects of Mesaconitine, the Aconitum carmichaelii Debx Bioactive Compound, on HBEC-5i Human Brain Microvascular Endothelial Cells: Role of Ca ²⁺ Signaling-Mediated Pathway. Neurotoxicity Research, 2021, 39, 256-265.	2.7	3
42	Inhibition of the pesticide rotenone-induced Ca ²⁺ signaling, cytotoxicity and oxidative stress in HCN-2 neuronal cells by the phenolic compound hydroxytyrosol. Pesticide Biochemistry and Physiology, 2021, 179, 104979.	3.6	3
43	Investigation of Effect of Tectorigenin (O-Methylated Isoflavone) on Ca ²⁺ Signal Transduction and Cytotoxic Responses in Canine Renal Tubular Cells. Chinese Journal of Physiology, 2020, 63, 60-67.	1.0	3
44	Effect of melamine on [Ca ²⁺] _i and viability in PC3 human prostate cancer cells. Environmental Toxicology and Pharmacology, 2014, 38, 800-806.	4.0	2
45	Naproxen-induced Ca ²⁺ movement and death in MDCK canine renal tubular cells. Human and Experimental Toxicology, 2015, 34, 1096-1105.	2.2	2
46	Effect of protriptyline on [Ca ²⁺] _i and viability in MG63 human osteosarcoma cells. Toxicology Mechanisms and Methods, 2016, 26, 580-587.	2.7	2
47	Effects of puerarin on intracellular Ca ²⁺ and cell viability of MDCK renal tubular cells. Environmental Toxicology and Pharmacology, 2017, 52, 83-89.	4.0	2
48	Amitriptyline modulated Ca ²⁺ signaling and induced Ca ²⁺ -independent cell viability in human osteosarcoma cells. Human and Experimental Toxicology, 2018, 37, 125-134.	2.2	2
49	Effects of timolol on Ca ²⁺ handling and viability in human prostate cancer cells. Toxicology Mechanisms and Methods, 2019, 29, 138-145.	2.7	2
50	Mechanisms underlying the effect of an oral antihyperglycaemic agent glyburide on calcium ion (Ca ²⁺) movement and its related cytotoxicity in prostate cancer cells. Clinical and Experimental Pharmacology and Physiology, 2020, 47, 111-118.	1.9	2
51	Ca ²⁺ signaling as a mechanism of haloperidol-induced cytotoxicity in human astrocytes and assessing the protective role of a Ca ²⁺ chelator. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 2117-2127.	3.0	2
52	Investigation of cytotoxic effect of the bufanolide steroid compound cinobufagin and its related underlying mechanism in brain cell models. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22862.	3.0	2
53	Effect of Antidepressant Doxepin on Ca ⁽²⁺⁾ Homeostasis and Viability in PC3 Human Prostate Cancer Cells. Chinese Journal of Physiology, 2015, 58, 1-10.	1.0	2
54	The Mechanism of Safrole-Induced [Ca ⁽²⁺⁾] _i Rises and Non-Ca ⁽²⁺⁾ -Triggered Cell Death in SCM1 Human Gastric Cancer Cells. Chinese Journal of Physiology, 2015, 58, 1-10.	1.0	2

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55	Effect of NPC-14686 (Fmoc-l-Homophenylalanine) on Ca ⁽²⁺⁾ Homeostasis and Viability in OC2 Human Oral Cancer Cells. Chinese Journal of Physiology, 2015, 58, 1-9.	1.0	2
56	Exploration of Niflumic Acid's Action on Ca ²⁺ Movement and Cell Viability in Human Osteosarcoma Cells. Chinese Journal of Physiology, 2018, 61, 341-348.	1.0	2
57	Celecoxib-induced increase in cytosolic Ca ²⁺ levels and apoptosis in HA59T human hepatoma cells. Human and Experimental Toxicology, 2014, 33, 1089-1098.	2.2	1
58	Effect of 2,5-dimethylphenol on Ca ²⁺ movement and viability in PC3 human prostate cancer cells. Toxicology Mechanisms and Methods, 2016, 26, 327-333.	2.7	1
59	Effect of tetramethylpyrazine (TMP) on Ca ²⁺ signal transduction and cell viability in a model of renal tubular cells. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21952.	3.0	1
60	The exploration of effect of terfenadine on Ca ²⁺ signaling in renal tubular cells. Journal of Receptor and Signal Transduction Research, 2019, 39, 73-79.	2.5	1
61	Effect of Methoxychlor on Ca ⁽²⁺⁾ Homeostasis and Apoptosis in HA59T Human Hepatoma Cells. Chinese Journal of Physiology, 2015, 58, 1-8.	1.0	1
62	Mechanism of action of a diterpene alkaloid hypaconitine on cytotoxicity and inhibitory effect of BAPTA-AM in HCN ₂ neuronal cells. Clinical and Experimental Pharmacology and Physiology, 2021, 48, 801-810.	1.9	1
63	Effect of Captopril on Ca ⁽²⁺⁾ Homeostasis and Cell Viability in Human Hepatoma Cells. Chinese Journal of Physiology, 2018, 61, 221-229.	1.0	1
64	Ca ²⁺ Signaling and Cell Death Induced by Protriptyline in HepG2 Human Hepatoma Cells. Journal of Biochemical and Molecular Toxicology, 2016, 30, 539-547.	3.0	0
65	Influence of a bearing-wastewater phenolic compound (3,4-dimethylphenol, 3,4-DMP) treatment on Ca ²⁺ homeostasis and its related cytotoxicity in human proximal renal tubular epithelial cells. Human and Experimental Toxicology, 2021, 40, 1899-1908.	2.2	0
66	Effect of NPC15199 on [Ca ⁽²⁺⁾] _i and Viability in SCM1 Human Gastric Cancer Cells. Chinese Journal of Physiology, 2016, 59, 268-275.	1.0	0
67	Effect of Protriptyline on [Ca ⁽²⁺⁾] _i and Viability in MDCK Renal Tubular Cells. Chinese Journal of Physiology, 2017, 60, 114-123.	1.0	0
68	Mechanism of a methylxanthine drug theophylline-induced Ca ²⁺ signaling and cytotoxicity in AML12 mouse hepatocytes. Toxicology Research, 2021, 9, 790-797.	2.1	0