

# 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  
g-index

68  
all docs

68  
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	The Impact of the Antipsychotic Medication Chlorpromazine on Cytotoxicity through Ca <sup>2+</sup> Signaling Pathway in Glial Cell Models. <i>Neurotoxicity Research</i> , 2022, 40, 791.	2.7	5
2	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. <i>Chemical Research in Toxicology</i> , 2022, , .	3.3	4
3	Cytotoxic Effects of Mesaconitine, the Aconitum carmichaelii Debx Bioactive Compound, on HBEC-5i Human Brain Microvascular Endothelial Cells: Role of Ca <sup>2+</sup> Signaling-Mediated Pathway. <i>Neurotoxicity Research</i> , 2021, 39, 256-265.	2.7	3
4	Mechanisms underlying protective effects of vitamin E against mycotoxin deoxynivalenolâ€induced oxidative stress and its related cytotoxicity in primary human brain endothelial cells. <i>Environmental Toxicology</i> , 2021, 36, 1375-1388.	4.0	6
5	Influence of a bearing-wastewater phenolic compound (3,4-dimethylphenol, 3,4-DMP) treatment on Ca <sup>2+</sup> homeostasis and its related cytotoxicity in human proximal renal tubular epithelial cells. <i>Human and Experimental Toxicology</i> , 2021, 40, 1899-1908.	2.2	0
6	Investigation of cytotoxic effect of the bufanolide steroid compound cinobufagin and its related underlying mechanism in brain cell models. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22862.	3.0	2
7	Mechanism of action of a diterpene alkaloid hypaconitine on cytotoxicity and inhibitory effect of BAPTAâ€AM in HCNâ€2 neuronal cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 801-810.	1.9	1
8	Inhibition of the pesticide rotenone-induced Ca <sup>2+</sup> signaling, cytotoxicity and oxidative stress in HCN-2 neuronal cells by the phenolic compound hydroxytyrosol. <i>Pesticide Biochemistry and Physiology</i> , 2021, 179, 104979.	3.6	3
9	Mechanism of a methylxanthine drug theophylline-induced Ca <sup>2+</sup> signaling and cytotoxicity in AML12 mouse hepatocytes. <i>Toxicology Research</i> , 2021, 9, 790-797.	2.1	0
10	Mechanisms underlying the effect of an oral antihyperglycaemic agent glyburide on calcium ion (Ca <sup>2+</sup> ) movement and its related cytotoxicity in prostate cancer cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 111-118.	1.9	2
11	Exploring the impact of a naturally occurring sapogenin diosgenin on underlying mechanisms of Ca <sup>2+</sup> movement and cytotoxicity in human prostate cancer cells. <i>Environmental Toxicology</i> , 2020, 35, 395-403.	4.0	15
12	Ca <sup>2+</sup> signaling as a mechanism of haloperidol-induced cytotoxicity in human astrocytes and assessing the protective role of a Ca <sup>2+</sup> chelator. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 2117-2127.	3.0	2
13	Action of the insecticide cyfluthrin on Ca <sup>2+</sup> signal transduction and cytotoxicity in human osteosarcoma cells. <i>Human and Experimental Toxicology</i> , 2020, 39, 1268-1276.	2.2	5
14	Investigation of Effect of Tectorigenin (O-Methylated Isoflavone) on Ca <sup>2+</sup> Signal Transduction and Cytotoxic Responses in Canine Renal Tubular Cells. <i>Chinese Journal of Physiology</i> , 2020, 63, 60-67.	1.0	3
15	Exploration of Thioridazine-Induced Ca <sup>2+</sup> Signaling and non-Ca <sup>2+</sup> -Triggered Cell Death in HepG2 Human Hepatocellular Carcinoma Cells. <i>Chinese Journal of Physiology</i> , 2020, 63, 187-194.	1.0	4
16	Ca <sup>2+</sup> 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
17	The exploration of effect of terfenadine on Ca <sup>2+</sup> signaling in renal tubular cells. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 73-79.	2.5	1
18	Exploration of the effect of the alkaloid colchicine on Ca <sup>2+</sup> handling and its related physiology in human oral cancer cells. <i>Archives of Oral Biology</i> , 2019, 102, 179-185.	1.8	6

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19	Uncovering malathion (an organophosphate insecticide) action on Ca <sup>2+</sup> signal transduction and investigating the effects of BAPTA-AM (a cell-permeant Ca <sup>2+</sup> chelator) on protective responses in glial cells. <i>Pesticide Biochemistry and Physiology</i> , 2019, 157, 152-160.	3.6	9
20	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
21	Effects of timolol on Ca <sup>2+</sup> handling and viability in human prostate cancer cells. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 138-145.	2.7	2
22	Action of Chlorzoxazone on Ca <sup>2+</sup> Movement and Viability in Human Oral Cancer Cells. <i>Chinese Journal of Physiology</i> , 2019, 62, 123-130.	1.0	4
23	Protective effects of a phenolic glycoside compound curculigoside on H <sub>2</sub> O <sub>2</sub> -induced oxidative stress and cytotoxicity in normal human breast epithelial cells. <i>Journal of Functional Foods</i> , 2018, 41, 171-182.	3.4	10
24	Amitriptyline modulated Ca <sup>2+</sup> signaling and induced Ca <sup>2+</sup> -independent cell viability in human osteosarcoma cells. <i>Human and Experimental Toxicology</i> , 2018, 37, 125-134.	2.2	2
25	The investigation of the pyrethroid insecticide lambda-cyhalothrin (LCT)-affected Ca <sup>2+</sup> homeostasis and -activated Ca <sup>2+</sup> -associated mitochondrial apoptotic pathway in normal human astrocytes: The evaluation of protective effects of BAPTA-AM (a selective Ca <sup>2+</sup> chelator). <i>NeuroToxicology</i> , 2018, 69, 97-107.	3.0	16
26	Effect of Captopril on Ca <sup>(2+)</sup> Homeostasis and Cell Viability in Human Hepatoma Cells. <i>Chinese Journal of Physiology</i> , 2018, 61, 221-229.	1.0	1
27	Exploration of Niflumic Acid's Action on Ca <sup>2+</sup> Movement and Cell Viability in Human Osteosarcoma Cells. <i>Chinese Journal of Physiology</i> , 2018, 61, 341-348.	1.0	2
28	The investigation of minoxidil-induced [Ca <sup>2+</sup> ] <sub>i</sub> rises and non-Ca <sup>2+</sup> -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
29	Effects of puerarin on intracellular Ca <sup>2+</sup> and cell viability of MDCK renal tubular cells. <i>Environmental Toxicology and Pharmacology</i> , 2017, 52, 83-89.	4.0	2
30	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
31	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
32	Effect of tetramethylpyrazine (TMP) on Ca <sup>2+</sup> signal transduction and cell viability in a model of renal tubular cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21952.	3.0	1
33	Effect of Thymol on Ca <sup>(2+)</sup> Homeostasis and Viability in PC3 Human Prostate Cancer Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 32-40.	1.0	12
34	Effect of Methoxsalen on Ca <sup>(2+)</sup> Homeostasis and Viability in Human Osteosarcoma Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 174-182.	1.0	5
35	Effect of Carvacrol on Ca <sup>(2+)</sup> Movement and Viability in PC3 Human Prostate Cancer Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 275-283.	1.0	5
36	Effect of Protriptyline on [Ca <sup>(2+)</sup> ] <sub>i</sub> and Viability in MDCK Renal Tubular Cells. <i>Chinese Journal of Physiology</i> , 2017, 60, 114-123.	1.0	0

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37	Ca <sup>2+</sup> Signaling and Cell Death Induced by Protriptyline in HepG2 Human Hepatoma Cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 539-547.	3.0	0
38	The effect of the phenol compound ellagic acid on Ca <sup>2+</sup> homeostasis and cytotoxicity in liver cells. <i>European Journal of Pharmacology</i> , 2016, 780, 243-251.	3.5	10
39	The effect of gallic acid on cytotoxicity, Ca <sup>2+</sup> 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
40	Mechanisms underlying effect of the mycotoxin cytochalasin B on induction of cytotoxicity, modulation of cell cycle, Ca <sup>2+</sup> homeostasis and ROS production in human breast cells. <i>Toxicology</i> , 2016, 370, 1-19.	4.2	20
41	Effect of protriptyline on [Ca <sup>2+</sup> ] <sub>i</sub> and viability in MG63 human osteosarcoma cells. <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 580-587.	2.7	2
42	Effect of 2,5-dimethylphenol on Ca <sup>2+</sup> movement and viability in PC3 human prostate cancer cells. <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 327-333.	2.7	1
43	Esculetin, a natural coumarin compound, evokes Ca <sup>2+</sup> movement and activation of Ca <sup>2+</sup> -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
44	The effect of oleuropein from olive leaf ( <i>Olea europaea</i> ) extract on Ca <sup>2+</sup> 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
45	Ca <sup>(2+)</sup> Movement Induced by Deltamethrin in PC3 Human Prostate Cancer Cells. <i>Chinese Journal of Physiology</i> , 2016, 59, 148-155.	1.0	4
46	Effect of NPC15199 on [Ca <sup>(2+)</sup> ] <sub>i</sub> and Viability in SCM1 Human Gastric Cancer Cells. <i>Chinese Journal of Physiology</i> , 2016, 59, 268-275.	1.0	0
47	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
48	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
49	Naproxen-induced Ca <sup>2+</sup> movement and death in MDCK canine renal tubular cells. <i>Human and Experimental Toxicology</i> , 2015, 34, 1096-1105.	2.2	2
50	Ca <sup>2+</sup> 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
51	The Mechanism of Ca <sup>2+</sup> 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
52	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
53	Effect of Methoxychlor on Ca <sup>(2+)</sup> Homeostasis and Apoptosis in HA59T Human Hepatoma Cells. <i>Chinese Journal of Physiology</i> , 2015, 58, 1-8.	1.0	1
54	Effect of Antidepressant Doxepin on Ca <sup>(2+)</sup> Homeostasis and Viability in PC3 Human Prostate Cancer Cells. <i>Chinese Journal of Physiology</i> , 2015, 58, 1-10.	1.0	2

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55	Effect of Miconazole on $[Ca^{2+}]_i$ and Cytotoxicity in ZR-75-1 Human Breast Cancer Cells. Chinese Journal of Physiology, 2015, 58, 377-384.	1.0	4
56	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
57	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
58	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
59	The mechanism of honokiol-induced intracellular $Ca^{2+}$ rises and apoptosis in human glioblastoma cells. Chemico-Biological Interactions, 2014, 221, 13-23.	4.0	14
60	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
61	Effect of Fluoxetine on $[Ca^{2+}]_i$ and Cell Viability in OC2 Human Oral Cancer Cells. Chinese Journal of Physiology, 2014, 57, 256-264.	1.0	7
62	Effect of caffeic acid on $Ca^{2+}$ homeostasis and apoptosis in SCM1 human gastric cancer cells. Archives of Toxicology, 2013, 87, 2141-2150.	4.2	21
63	Mechanisms of resveratrol-induced changes in $[Ca^{2+}]_i$ and cell viability in PC3 human prostate cancer cells. Journal of Receptor and Signal Transduction Research, 2013, 33, 298-303.	2.5	18
64	The mechanism of carvacrol-evoked $[Ca^{2+}]_i$ rises and non- $Ca^{2+}$ -triggered cell death in OC2 human oral cancer cells. Toxicology, 2013, 303, 152-161.	4.2	28
65	Effect of diindolylmethane on $Ca^{2+}$ homeostasis and viability in PC3 human prostate cancer cells. Journal of Receptor and Signal Transduction Research, 2012, 32, 271-278.	2.5	9
66	Investigation of 2,6-diisopropylphenol (propofol)-evoked $Ca^{2+}$ movement and cell death in human glioblastoma cells. Toxicology in Vitro, 2012, 26, 862-871.	2.4	18
67	Effect of thymol on $Ca^{2+}$ homeostasis and viability in human glioblastoma cells. European Journal of Pharmacology, 2011, 670, 85-91.	3.5	56
68	Paroxetine-induced $Ca^{2+}$ movement and death in OC2 human oral cancer cells. Chinese Journal of Physiology, 2011, 54, 310-7.	1.0	10