## Ying-Jang Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Cytotoxicity, oxidative stress, apoptosis and the autophagic effects of silver nanoparticles in mouse embryonic fibroblasts. Biomaterials, 2014, 35, 4706-4715.	11.4	288
3	Silver nanoparticles have lethal and sublethal adverse effects on development and longevity by inducing ROS-mediated stress responses. Scientific Reports, 2018, 8, 2445.	3.3	205
4	Mechanisms of silver nanoparticle-induced toxicity and important role of autophagy. Nanotoxicology, 2016, 10, 1021-1040.	3.0	198
5	Inhibitory effects of chitooligosaccharides on tumor growth and metastasis. Food and Chemical Toxicology, 2009, 47, 1864-1871.	3.6	185
6	Cationic polystyrene nanospheres induce autophagic cell death through the induction of endoplasmic reticulum stress. Nanoscale, 2015, 7, 736-746.	5.6	154
7	Overexpression and Activation of the α9-Nicotinic Receptor During Tumorigenesis in Human Breast Epithelial Cells. Journal of the National Cancer Institute, 2010, 102, 1322-1335.	6.3	142
8	Induction ofp53 andp21/WAF1/CIP1 expression by nitric oxide and their association with apoptosis in human cancer cells. Molecular Carcinogenesis, 1996, 16, 20-31.	2.7	124
9	Rapid Activation of Stat3 and ERK1/2 by Nicotine Modulates Cell Proliferation in Human Bladder Cancer Cells. Toxicological Sciences, 2008, 104, 283-293.	3.1	115
10	Increased expression of enolase $\hat{I}\pm$ in human breast cancer confers tamoxifen resistance in human breast cancer cells. Breast Cancer Research and Treatment, 2010, 121, 539-553.	2.5	107
11	α-Lipoic acid inhibits liver fibrosis through the attenuation of ROS-triggered signaling in hepatic stellate cells activated by PDGF and TGF-β. Toxicology, 2011, 282, 39-46.	4.2	105
12	Inhibitory effect of citrus 5-hydroxy-3,6,7,8,3',4'-hexamethoxyflavone on 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice. Carcinogenesis, 2007, 28, 2581-2588.	2.8	100
13	Combination treatment with arsenic trioxide and irradiation enhances autophagic effects in U118-MG cells through increased mitotic arrest and regulation of PI3K/Akt and ERK1/2 signaling pathways. Autophagy, 2009, 5, 472-483.	9.1	91
14	Suberoylanilide Hydroxamic Acid, an Inhibitor of Histone Deacetylase, Enhances Radiosensitivity and Suppresses Lung Metastasis in Breast Cancer In Vitro and In Vivo. PLoS ONE, 2013, 8, e76340.	2.5	87
15	Peracetylated (â^')-Epigallocatechin-3-gallate (AcEGCG) Potently Suppresses Dextran Sulfate Sodium-Induced Colitis and Colon Tumorigenesis in Mice. Journal of Agricultural and Food Chemistry, 2012, 60, 3441-3451.	5.2	86
16	Rosmanol Potently Inhibits Lipopolysaccharide-Induced iNOS and COX-2 Expression through Downregulating MAPK, NF-κB, STAT3 and C/EBP Signaling Pathways. Journal of Agricultural and Food Chemistry, 2009, 57, 10990-10998.	5.2	82
17	Arsenic modulates heme oxygenase-1, interleukin-6, and vascular endothelial growth factor expression in endothelial cells: roles of ROS, NF-κB, and MAPK pathways. Archives of Toxicology, 2012, 86, 879-896.	4.2	81
18	Pterostilbene induces autophagy and apoptosis in sensitive and chemoresistant human bladder cancer cells. Molecular Nutrition and Food Research, 2010, 54, 1819-1832.	3.3	75

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19	Combination treatment with arsenic trioxide and irradiation enhances cell-killing effects in human fibrosarcoma cells in vitro and in vivo through induction of both autophagy and apoptosis. Autophagy, 2010, 6, 353-365.	9.1	74
20	Long-term Nicotine Exposure–Induced Chemoresistance Is Mediated by Activation of Stat3 and Downregulation of ERK1/2 via nAChR and Beta-Adrenoceptors in Human Bladder Cancer Cells. Toxicological Sciences, 2010, 115, 118-130.	3.1	72
21	Crosstalk between nicotine and estrogen-induced estrogen receptor activation induces α9-nicotinic acetylcholine receptor expression in human breast cancer cells. Breast Cancer Research and Treatment, 2011, 129, 331-345.	2.5	69
22	In vitro andin vivo studies of the anticancer action of terbinafine in human cancer cell lines: G0/G1p53-associated cell cycle arrest. International Journal of Cancer, 2003, 106, 125-137.	5.1	66
23	Arsenic trioxide induces autophagy and apoptosis in human glioma cells in vitro and in vivo through downregulation of survivin. Journal of Molecular Medicine, 2011, 89, 927-941.	3.9	64
24	Suppression of nitric oxide–induced apoptosis by N-acetyl-l-cysteine through modulation of glutathione, bcl-2, and bax protein levels. Molecular Carcinogenesis, 1997, 19, 101-113.	2.7	61
25	Hexavalent chromium induced ROS formation, Akt, NF-κB, and MAPK activation, and TNF-α and IL-1α production in keratinocytes. Toxicology Letters, 2010, 198, 216-224.	0.8	60
26	Probiotics Prevent the Development of 1,2-Dimethylhydrazine (DMH)-Induced Colonic Tumorigenesis through Suppressed Colonic Mucosa Cellular Proliferation and Increased Stimulation of Macrophages. Journal of Agricultural and Food Chemistry, 2011, 59, 13337-13345.	5.2	59
27	The role of hypoxia-inducible factor- $1\hat{l}\pm$ in zinc oxide nanoparticle-induced nephrotoxicity in vitro and in vivo. Particle and Fibre Toxicology, 2015, 13, 52.	6.2	59
28	Epigenetic Effects and Molecular Mechanisms of Tumorigenesis Induced by Cigarette Smoke: An Overview. Journal of Oncology, 2011, 2011, 1-14.	1.3	57
29	P53-dependent downregulation of hTERT protein expression and telomerase activity induces senescence in lung cancer cells as a result of pterostilbene treatment. Cell Death and Disease, 2017, 8, e2985-e2985.	6.3	57
30	Chemopreventive Effects of Pterostilbene on Urethane-Induced Lung Carcinogenesis in Mice via the Inhibition of EGFR-Mediated Pathways and the Induction of Apoptosis and Autophagy. Journal of Agricultural and Food Chemistry, 2012, 60, 11533-11541.	5.2	56
31	Pterostilbene Inhibits Colorectal Aberrant Crypt Foci (ACF) and Colon Carcinogenesis via Suppression of Multiple Signal Transduction Pathways in Azoxymethane-Treated Mice. Journal of Agricultural and Food Chemistry, 2010, 58, 8833-8841.	5.2	54
32	Dihydrolipoic acid inhibits skin tumor promotion through anti-inflammation and anti-oxidation. Biochemical Pharmacology, 2007, 73, 1786-1795.	4.4	52
33	Peracetylated (â^')-epigallocatechin-3-gallate (AcEGCG) potently prevents skin carcinogenesis by suppressing the PKD1-dependent signaling pathway in CD34 + skin stem cells and skin tumors. Carcinogenesis, 2013, 34, 1315-1322.	2.8	52
34	Directly interact with Keap1 and LPS is involved in the anti-inflammatory mechanisms of (-)-epicatechin-3-gallate in LPS-induced macrophages and endotoxemia. Free Radical Biology and Medicine, 2016, 94, 1-16.	2.9	51
35	Molecular mechanisms of GO/G1 cell-cycle arrest and apoptosis induced by terfenadine in human cancer cells. Molecular Carcinogenesis, 2003, 37, 39-50.	2.7	48
36	Strategies to prevent and reverse liver fibrosis in humans and laboratory animals. Archives of Toxicology, 2015, 89, 1727-1750.	4.2	46

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37	Arsenic trioxide induces programmed cell death through stimulation of ER stress and inhibition of the ubiquitin–proteasome system in human sarcoma cells. Cancer Letters, 2015, 356, 762-772.	7.2	46
38	Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethaneâ€ŧreated mice. Molecular Nutrition and Food Research, 2011, 55, 278-290.	3.3	45
39	Induction of Autophagy by Pterostilbene Contributes to the Prevention of Renal Fibrosis via Attenuating NLRP3 Inflammasome Activation and Epithelial-Mesenchymal Transition. Frontiers in Cell and Developmental Biology, 2020, 8, 436.	3.7	45
40	Monascuspiloin Enhances the Radiation Sensitivity of Human Prostate Cancer Cells by Stimulating Endoplasmic Reticulum Stress and Inducing Autophagy. PLoS ONE, 2012, 7, e40462.	2.5	45
41	The Current Understanding of Autophagy in Nanomaterial Toxicity and Its Implementation in Safety Assessment-Related Alternative Testing Strategies. International Journal of Molecular Sciences, 2020, 21, 2387.	4.1	44
42	Apoptotic and Nonapoptotic Activities of Pterostilbene against Cancer. International Journal of Molecular Sciences, 2018, 19, 287.	4.1	43
43	Arsenic Trioxide Enhances the Radiation Sensitivity of Androgen-Dependent and -Independent Human Prostate Cancer Cells. PLoS ONE, 2012, 7, e31579.	2.5	41
44	Arsenic trioxide induces unfolded protein response in vascular endothelial cells. Archives of Toxicology, 2014, 88, 213-226.	4.2	41
45	Chemopreventive effect of natural dietary compounds on xenobiotic-induced toxicity. Journal of Food and Drug Analysis, 2017, 25, 176-186.	1.9	41
46	The Effect of the Chorion on Size-Dependent Acute Toxicity and Underlying Mechanisms of Amine-Modified Silver Nanoparticles in Zebrafish Embryos. International Journal of Molecular Sciences, 2020, 21, 2864.	4.1	41
47	<i>Se</i> -Allylselenocysteine induces autophagy by modulating the AMPK/mTOR signaling pathway and epigenetic regulation of PCDH17 in human colorectal adenocarcinoma cells. Molecular Nutrition and Food Research, 2015, 59, 2511-2522.	3.3	39
48	Arsenic trioxide and radiation enhance apoptotic effects in HL-60 cells through increased ROS generation and regulation of JNK and p38 MAPK signaling pathways. Chemico-Biological Interactions, 2011, 193, 162-171.	4.0	38
49	Combination of the novel histone deacetylase inhibitor YCW1 and radiation induces autophagic cell death through the downregulation of BNIP3 in triple-negative breast cancer cells in vitro and in an orthotopic mouse model. Molecular Cancer, 2016, 15, 46.	19.2	38
50	Monascuspiloin Induces Apoptosis and Autophagic Cell Death in Human Prostate Cancer Cells via the Akt and AMPK Signaling Pathways. Journal of Agricultural and Food Chemistry, 2012, 60, 7185-7193.	5.2	37
51	N-Acetylcysteine Attenuates Hexavalent Chromium-Induced Hypersensitivity through Inhibition of Cell Death, ROS-Related Signaling and Cytokine Expression. PLoS ONE, 2014, 9, e108317.	2.5	37
52	Molecular mechanisms of econazole-induced toxicity on human colon cancer cells: G0/G1 cell cycle arrest and caspase 8-independent apoptotic signaling pathways. Food and Chemical Toxicology, 2005, 43, 1483-1495.	3.6	36
53	The Roles of Autophagy and the Inflammasome during Environmental Stress-Triggered Skin Inflammation. International Journal of Molecular Sciences, 2016, 17, 2063.	4.1	36
54	Pterostilbene prevents AKT-ERK axis-mediated polymerization of surface fibronectin on suspended lung cancer cells independently of apoptosis and suppresses metastasis. Journal of Hematology and Oncology, 2017, 10, 72.	17.0	36

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55	Induction of glutathione depletion, p53 protein accumulation and cellular transformation by tetrachlorohydroquinone, a toxic metabolite of pentachlorophenol. Chemico-Biological Interactions, 1997, 105, 1-16.	4.0	35
56	Chitosan prevents the development of AOM-induced aberrant crypt foci in mice and suppressed the proliferation of AGS cells by inhibiting DNA synthesis. Journal of Cellular Biochemistry, 2007, 100, 1573-1580.	2.6	35
57	Synergistic antitumor effects of radiation and proteasome inhibitor treatment in pancreatic cancer through the induction of autophagy and the downregulation of TRAF6. Cancer Letters, 2015, 365, 229-239.	7.2	35
58	Skin damage induced by zinc oxide nanoparticles combined with UVB is mediated by activating cell pyroptosis via the NLRP3 inflammasome–autophagy–exosomal pathway. Particle and Fibre Toxicology, 2022, 19, 2.	6.2	35
59	NF-κB-activated tissue transglutaminase is involved in ethanol-induced hepatic injury and the possible role of propolis in preventing fibrogenesis. Toxicology, 2008, 246, 148-157.	4.2	33
60	Protection against arsenic trioxide-induced autophagic cell death in U118 human glioma cells by use of lipoic acid. Food and Chemical Toxicology, 2007, 45, 1027-1038.	3.6	32
61	Stilbene Compounds Inhibit Tumor Growth by the Induction of Cellular Senescence and the Inhibition of Telomerase Activity. International Journal of Molecular Sciences, 2019, 20, 2716.	4.1	30
62	Evaluating the urate-lowering effects of different microbial fermented extracts in hyperuricemic models accompanied withÂaÂsafety study. Journal of Food and Drug Analysis, 2017, 25, 597-606.	1.9	29
63	Pterostilbene Attenuates Hexavalent Chromium-Induced Allergic Contact Dermatitis by Preventing Cell Apoptosis and Inhibiting IL-1β-Related NLRP3 Inflammasome Activation. Journal of Clinical Medicine, 2018, 7, 489.	2.4	29
64	ROS-Triggered Signaling Pathways Involved in the Cytotoxicity and Tumor Promotion Effects of Pentachlorophenol and Tetrachlorohydroquinone. Chemical Research in Toxicology, 2015, 28, 339-350.	3.3	28
65	Polymethoxyflavones prevent benzo[ <i>a</i> ]pyrene/dextran sodium sulfateâ€induced colorectal carcinogenesis through modulating xenobiotic metabolism and ameliorate autophagic defect in <scp>ICR</scp> mice. International Journal of Cancer, 2018, 142, 1689-1701.	5.1	26
66	Synergistic Effects of Arsenic Trioxide and Radiation in Osteosarcoma Cells through the Induction of Both Autophagy and Apoptosis. Radiation Research, 2011, 175, 547-560.	1.5	25
67	Autophagy-inducing effect of pterostilbene: AÂprospective therapeutic/preventive option for skin diseases. Journal of Food and Drug Analysis, 2017, 25, 125-133.	1.9	25
68	Cordycepin Enhances Radiosensitivity in Oral Squamous Carcinoma Cells by Inducing Autophagy and Apoptosis Through Cell Cycle Arrest. International Journal of Molecular Sciences, 2019, 20, 5366.	4.1	24
69	Toxic Effects and Mechanisms of Silver and Zinc Oxide Nanoparticles on Zebrafish Embryos in Aquatic Ecosystems. Nanomaterials, 2022, 12, 717.	4.1	24
70	Combination treatment with arsenic trioxide and irradiation enhances apoptotic effects in U937 cells through increased mitotic arrest and ROS generation. Chemico-Biological Interactions, 2009, 179, 304-313.	4.0	23
71	Lipoic acid ameliorates arsenic trioxide-induced HO-1 expression and oxidative stress in THP-1 monocytes and macrophages. Chemico-Biological Interactions, 2011, 190, 129-138.	4.0	23
72	A novel histone deacetylase inhibitor TMU-35435 enhances etoposide cytotoxicity through the proteasomal degradation of DNA-PKcs in triple-negative breast cancer. Cancer Letters, 2017, 400, 79-88.	7.2	23

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73	Bortezomib enhances radiosensitivity in oral cancer through inducing autophagy-mediated TRAF6 oncoprotein degradation. Journal of Experimental and Clinical Cancer Research, 2018, 37, 91.	8.6	23
74	A histone deacetylase inhibitor enhances expression of genes inhibiting Wnt pathway and augments activity of DNA demethylation reagent against nonsmall-cell lung cancer. International Journal of Cancer, 2017, 140, 2375-2386.	5.1	22
75	<i>N</i> â€acetylcysteine inhibits chromium hypersensitivity in coadjuvant chromiumâ€sensitized albino guinea pigs by suppressing the effects of reactive oxygen species. Experimental Dermatology, 2010, 19, e191-200.	2.9	21
76	A histone deacetylase inhibitor YCW1 with antitumor and antimetastasis properties enhances cisplatin activity against non-small cell lung cancer in preclinical studies. Cancer Letters, 2014, 346, 84-93.	7.2	21
77	The Oxygen-Generating Calcium Peroxide-Modified Magnetic Nanoparticles Attenuate Hypoxia-Induced Chemoresistance in Triple-Negative Breast Cancer. Cancers, 2021, 13, 606.	3.7	21
78	Dihydrolipoic acid inhibits tetrachlorohydroquinone-induced tumor promotion through prevention of oxidative damage. Food and Chemical Toxicology, 2008, 46, 3739-3748.	3.6	19
79	Anti-cancer efficacy of dietary polyphenols is mediated through epigenetic modifications. Current Opinion in Food Science, 2016, 8, 1-7.	8.0	18
80	Carbon monoxide-triggered health effects: the important role of the inflammasome and its possible crosstalk with autophagy and exosomes. Archives of Toxicology, 2021, 95, 1141-1159.	4.2	16
81	p53 gene mutational spectra in hepatocellular carcinomas induced by 2-acetylaminofluorene andN-nitroso-2-acetylaminofluorene in rats. Molecular Carcinogenesis, 1995, 13, 182-190.	2.7	15
82	The Pentachlorophenol Metabolite Tetrachlorohydroquinone Induces Massive ROS and Prolonged p-ERK Expression in Splenocytes, Leading to Inhibition of Apoptosis and Necrotic Cell Death. PLoS ONE, 2014, 9, e89483.	2.5	15
83	The immunotoxic effects of dual exposure to PCP and TCDD. Chemico-Biological Interactions, 2013, 206, 166-174.	4.0	14
84	Use of an in silico knowledge discovery approach to determine mechanistic studies of silver nanoparticles-induced toxicity from in vitro to in vivo. Particle and Fibre Toxicology, 2022, 19, 6.	6.2	14
85	Skin tumor–promoting potential and systemic effects of pentachlorophenol and its major metabolite tetrachlorohydroquinone in CD-1 Mice. Molecular Carcinogenesis, 2003, 36, 161-170.	2.7	13
86	Bcl-2 overexpression inhibits tetrachlorohydroquinone-induced apoptosis in NIH3T3 cells: A possible mechanism for tumor promotion. Molecular Carcinogenesis, 2004, 40, 24-33.	2.7	13
87	A New Histone Deacetylase Inhibitor Enhances Radiation Sensitivity through the Induction of Misfolded Protein Aggregation and Autophagy in Triple-Negative Breast Cancer. Cancers, 2019, 11, 1703.	3.7	13
88	The Role of Autophagy in Anti-Cancer and Health Promoting Effects of Cordycepin. Molecules, 2021, 26, 4954.	3.8	12
89	Modulation of Innate Immune Toxicity by Silver Nanoparticle Exposure and the Preventive Effects of Pterostilbene. International Journal of Molecular Sciences, 2021, 22, 2536.	4.1	11
90	TCDD Promotes Lung Tumors via Attenuation of Apoptosis through Activation of the Akt and ERK1/2 Signaling Pathways. PLoS ONE, 2014, 9, e99586.	2.5	11

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91	Chloroquine Potentiates the Anticancer Effect of Pterostilbene on Pancreatic Cancer by Inhibiting Autophagy and Downregulating the RAGE/STAT3 Pathway. Molecules, 2021, 26, 6741.	3.8	11
92	Molecular Mechanisms of Nicotine-induced Bladder Cancer. Journal of Experimental and Clinical Medicine, 2011, 3, 252-256.	0.2	9
93	Endoplasmic Reticulum Stress-Triggered Autophagy and Lysosomal Dysfunction Contribute to the Cytotoxicity of Amine-Modified Silver Nanoparticles in NIH 3T3 Cells. Journal of Biomedical Nanotechnology, 2017, 13, 778-794.	1.1	9
94	Assessment of the Antibacterial Mechanism of Pterostilbene against <i>Bacillus cereus</i> through Apoptosis-like Cell Death and Evaluation of Its Beneficial Effects on the Gut Microbiota. Journal of Agricultural and Food Chemistry, 2021, 69, 12219-12229.	5.2	9
95	Mechanisms of Apoptosis Induction and Cell Cycle Regulation in Irradiated Leukemia U937 Cells and Enhancement by Arsenic Trioxide. Radiation Research, 2006, 165, 390-399.	1.5	7
96	Effects of Fungal-derived High Molecular Weight Chitosan on 5-Fluorouracil-induced Adverse Reactions. Journal of Bioactive and Compatible Polymers, 2008, 23, 458-472.	2.1	5
97	Long-term ethanol exposure causes human liver cancer cells to become resistant to mitomycin C treatment through the inactivation of bad-mediated apoptosis. Molecular Carcinogenesis, 2010, 49, 728-738.	2.7	5
98	Arsenic trioxide suppresses liver X receptor β and enhances cholesteryl ester transfer protein expression without affecting the liver X receptor α in HepG2 cells. Chemico-Biological Interactions, 2016, 258, 288-296.	4.0	5
99	The Recent Progress in Nanotoxicology and Nanosafety from the Point of View of Both Toxicology and Ecotoxicology. International Journal of Molecular Sciences, 2020, 21, 4209.	4.1	4
100	Staurosporine modulates radiosensitivity and radiation-induced apoptosis in U937 cells. International Journal of Radiation Biology, 2006, 82, 97-109.	1.8	3
101	Combination of inductive effect of lipopolysaccharide and in situ mechanical conditioning for forming an autologous vascular graft in vivo. Scientific Reports, 2019, 9, 10616.	3.3	3
102	Induction of p53 and p21WAF1CIP1 expression by nitric oxide and their association with apoptosis in human cancer cells. Molecular Carcinogenesis, 1996, 16, 20-31.	2.7	3
103	Lifetime bioaccumulation of silver nanoparticles accelerates functional aging by inactivating antioxidant pathways, an effect reversed by pterostilbene. Environmental Science: Nano, O, , .	4.3	3
104	The Regulation of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-Induced Lung Tumor Promotion by Estradiol in Female A/J Mice. PLoS ONE, 2014, 9, e93152.	2.5	2
105	Suppression of nitric oxide–induced apoptosis by Nâ€acetylâ€lâ€eysteine through modulation of glutathione, bclâ€2, and bax protein levels. Molecular Carcinogenesis, 1997, 19, 101-113.	2.7	2
106	Pterostilbene Protection and Bladder Cancer Cells. , 2014, , 271-281.		1