

Xu Wang

List of Publications by Year in Descending Order

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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.

103
papers

4,084
citations

34
h-index

62
g-index

108
ext. papers

5,406
ext. citations

6.9
avg, IF

5.52
L-index

#	Paper	IF	Citations
103	Oxidative Stress and Metabolism: A Mechanistic Insight for Glyphosate Toxicology.. <i>Annual Review of Pharmacology and Toxicology</i> , 2022 , 62, 617-639	17.9	5
102	Mitochondria as an important target of metformin: the mechanism of action, toxic and side effects, and new therapeutic applications.. <i>Pharmacological Research</i> , 2022 , 106114	10.2	3
101	Neonicotinoids: mechanisms of systemic toxicity based on oxidative stress-mitochondrial damage.. <i>Archives of Toxicology</i> , 2022 , 1	5.8	0
100	Nicotinamide N-methyltransferase protects against deoxynivalenol-induced growth inhibition by suppressing pro-inflammatory cytokine expression.. <i>Food and Chemical Toxicology</i> , 2022 , 163, 112969	4.7	0
99	Bacterial Multidrug Efflux Pumps at the Frontline of Antimicrobial Resistance: An Overview.. <i>Antibiotics</i> , 2022 , 11,	4.9	3
98	Toxic mechanisms of the trichothecenes T-2 toxin and deoxynivalenol on protein synthesis.. <i>Food and Chemical Toxicology</i> , 2022 , 164, 113044	4.7	0
97	Interaction Between Florfenicol and Doxycycline Involving Cytochrome P450 3A in Goats (). <i>Frontiers in Veterinary Science</i> , 2021 , 8, 759716	3.1	0
96	The NO-dependent caspase signaling pathway is a target of deoxynivalenol in growth inhibition in vitro. <i>Food and Chemical Toxicology</i> , 2021 , 158, 112629	4.7	0
95	Metabolism and Mechanism of Human Cytochrome P450 Enzyme 1A2. <i>Current Drug Metabolism</i> , 2021 , 22, 40-49	3.5	6
94	Hypoxia, oxidative stress, and immune evasion: a trinity of the trichothecenes T-2 toxin and deoxynivalenol (DON). <i>Archives of Toxicology</i> , 2021 , 95, 1899-1915	5.8	9
93	Hypothesis: JNK signaling is a therapeutic target of neurodegenerative diseases. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	1
92	Magnetic solid-phase extraction based on carbon nanotubes for determination of sulfamethoxazole, acetyl sulfamethoxazole and aditoprim residues in edible swine tissues with liquid chromatography tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021 , 38, 1364-1375	3.2	
91	PPAR- δ with its anti-fibrotic action could serve as an effective therapeutic target in T-2 toxin-induced cardiac fibrosis of rats. <i>Food and Chemical Toxicology</i> , 2021 , 152, 112183	4.7	1
90	Exploration of Clinical Breakpoint of Danofloxacin for in Plasma and in PELF. <i>Antibiotics</i> , 2021 , 10,	4.9	2
89	Targeting peroxisome proliferator-activated receptors: A new strategy for the treatment of cardiac fibrosis. <i>Pharmacology & Therapeutics</i> , 2021 , 219, 107702	13.9	2
88	A multilayered cross-species analysis of GRAS transcription factors uncovered their functional networks in plant adaptation to the environment. <i>Journal of Advanced Research</i> , 2021 , 29, 191-205	13	3
87	The role of hypoxia-inducible factor 1 in tumor immune evasion. <i>Medicinal Research Reviews</i> , 2021 , 41, 1622-1643	14.4	44

86	Synthetic phenolic antioxidants: Metabolism, hazards and mechanism of action. <i>Food Chemistry</i> , 2021 , 353, 129488	8.5	39
85	MS4A3-HSP27 target pathway reveals potential for haematopoietic disorder treatment in alimentary toxic aleukia. <i>Cell Biology and Toxicology</i> , 2021 , 1	7.4	0
84	A "Janus" face of the RASSF4 signal in cell fate. <i>Journal of Cellular Physiology</i> , 2021 ,	7	1
83	Hypothesis: Long non-coding RNA is a potential target of mycotoxins. <i>Food and Chemical Toxicology</i> , 2021 , 155, 112397	4.7	0
82	A proposed "steric-like effect" for the slowdown of enrofloxacin antibiotic metabolism by ciprofloxacin, and its mechanism. <i>Chemosphere</i> , 2021 , 284, 131347	8.4	4
81	The role of long noncoding RNA in lipid, cholesterol, and glucose metabolism and treatment of obesity syndrome. <i>Medicinal Research Reviews</i> , 2021 , 41, 1751-1774	14.4	7
80	Toxicity induced by ciprofloxacin and enrofloxacin: oxidative stress and metabolism.. <i>Critical Reviews in Toxicology</i> , 2021 , 51, 754-787	5.7	1
79	Macrophage NCOR1 protects from atherosclerosis by repressing a pro-atherogenic PPAR α signature. <i>European Heart Journal</i> , 2020 , 41, 995-1005	9.5	29
78	A novel strategy for the diagnosis, prognosis, treatment, and chemoresistance of hepatocellular carcinoma: DNA methylation. <i>Medicinal Research Reviews</i> , 2020 , 40, 1973-2018	14.4	21
77	Sodium Butyrate Protects the Intestinal Barrier by Modulating Intestinal Host Defense Peptide Expression and Gut Microbiota after a Challenge with Deoxynivalenol in Weaned Piglets. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 4515-4527	5.7	17
76	Selective inhibitors for JNK signalling: a potential targeted therapy in cancer. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 574-583	5.6	36
75	Antimony symplastic and apoplastic absorption, compartmentation, and xylem translocation in Brassica parachinensis L. under antimonate and antimonite. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 197, 110621	7	1
74	A Review: Effects of Macrolides on CYP450 Enzymes. <i>Current Drug Metabolism</i> , 2020 , 21, 928-937	3.5	4
73	The paradoxical effects of progesterone on the eggshell quality of laying hens. <i>Journal of Structural Biology</i> , 2020 , 209, 107430	3.4	1
72	The neurotoxicity of trichothecenes T-2 toxin and deoxynivalenol (DON): Current status and future perspectives. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111676	4.7	15
71	The Gene-Regulatory Footprint of Aging Highlights Conserved Central Regulators. <i>Cell Reports</i> , 2020 , 32, 108203	10.6	7
70	Epigenetic upregulation of galanin-like peptide mediates deoxynivalenol induced-growth inhibition in pituitary cells. <i>Toxicology and Applied Pharmacology</i> , 2020 , 403, 115166	4.6	4
69	An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. <i>Archives of Toxicology</i> , 2020 , 94, 3645-3669	5.8	19

68	Isolation, identification and characterisation of an emerging fish pathogen, <i>Acinetobacter pittii</i> , from diseased loach (<i>Misgurnus anguillicaudatus</i>) in China. <i>Antonie Van Leeuwenhoek</i> , 2020 , 113, 21-32	2.1	7
67	MiR-155-5p plays as a "janus" in the expression of inflammatory cytokines induced by T-2 toxin. <i>Food and Chemical Toxicology</i> , 2020 , 140, 111258	4.7	4
66	Molecular Characterization and Biological Function of a Novel LncRNA CRNG in Swine. <i>Frontiers in Pharmacology</i> , 2019 , 10, 539	5.6	5
65	Determination of Tartrazine, Lutein, Capsanthin, Canthaxanthin and β -Carotene in Animal-Derived Foods and Feeds by HPLC Method. <i>Journal of Chromatographic Science</i> , 2019 , 57, 462-468	1.4	5
64	Development of a Sensitive Monoclonal Antibody-Based Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Determination of Monensin in Edible Chicken Tissues. <i>Food Analytical Methods</i> , 2019 , 12, 1479-1486	3.4	4
63	JNK signaling in cancer cell survival. <i>Medicinal Research Reviews</i> , 2019 , 39, 2082-2104	14.4	89
62	DNA methylation and RASSF4 expression are involved in T-2 toxin-induced hepatotoxicity. <i>Toxicology</i> , 2019 , 425, 152246	4.4	15
61	DNA methylation is involved in pro-inflammatory cytokines expression in T-2 toxin-induced liver injury. <i>Food and Chemical Toxicology</i> , 2019 , 132, 110661	4.7	14
60	Deoxynivalenol Inhibits Porcine Intestinal Trefoil Factors Expression in Weanling Piglets and IPEC-J2 Cells. <i>Toxins</i> , 2019 , 11,	4.9	5
59	Deltamethrin toxicity: A review of oxidative stress and metabolism. <i>Environmental Research</i> , 2019 , 170, 260-281	7.9	60
58	MicroRNA-382 silencing induces a mitonuclear protein imbalance and activates the mitochondrial unfolded protein response in muscle cells. <i>Journal of Cellular Physiology</i> , 2019 , 234, 6601-6610	7	12
57	Statins: Adverse reactions, oxidative stress and metabolic interactions. <i>Pharmacology & Therapeutics</i> , 2019 , 195, 54-84	13.9	52
56	Mechanism of cyclosporine A nephrotoxicity: Oxidative stress, autophagy, and signalings. <i>Food and Chemical Toxicology</i> , 2018 , 118, 889-907	4.7	51
55	Mequindox Induced Genotoxicity and Carcinogenicity in Mice. <i>Frontiers in Pharmacology</i> , 2018 , 9, 361	5.6	8
54	Maternal SSRIs experience and risk of ASD in offspring: a review. <i>Toxicology Research</i> , 2018 , 7, 1020-1028	2.6	5
53	An Integrated Systems Genetics and Omics Toolkit to Probe Gene Function. <i>Cell Systems</i> , 2018 , 6, 90-102	1.4	23
52	Pyrrolidine Dithiocarbamate (PDTC) Inhibits DON-Induced Mitochondrial Dysfunction and Apoptosis via the NF- κ B/iNOS Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 1324173	6.7	15
51	Nitric oxide (NO)-mediated mitochondrial damage plays a critical role in T-2 toxin-induced apoptosis and growth hormone deficiency in rat anterior pituitary GH3 cells. <i>Food and Chemical Toxicology</i> , 2017 , 102, 11-23	4.7	35

50	Toxic metabolites, MAPK and Nrf2/Keap1 signaling pathways involved in oxidative toxicity in mice liver after chronic exposure to Mequindox. <i>Scientific Reports</i> , 2017 , 7, 41854	4.9	19
49	The mitogen-activated protein kinase kinase 9 (MKK9) modulates nitrogen acquisition and anthocyanin accumulation under nitrogen-limiting condition in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 487, 539-544	3.4	10
48	Enhanced Respiratory Chain Supercomplex Formation in Response to Exercise in Human Skeletal Muscle. <i>Cell Metabolism</i> , 2017 , 25, 301-311	24.6	136
47	Simultaneous Determination of Quinoxalines in Animal Feeds by a Modified QuEChERS Method with MWCNTs as the Sorbent Followed by High-Performance Liquid Chromatography. <i>Food Analytical Methods</i> , 2017 , 10, 2085-2091	3.4	8
46	Preparation of a monoclonal antibody against amantadine and rimantadine and development of an indirect competitive enzyme-linked immunosorbent assay for detecting the same in chicken muscle and liver. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 133, 56-63	3.5	22
45	PKA/CREB and NF- κ B pathway regulates AKNA transcription: A novel insight into T-2 toxin-induced inflammation and GH deficiency in GH3 cells. <i>Toxicology</i> , 2017 , 392, 81-95	4.4	22
44	An unbiased silencing screen in muscle cells identifies miR-320a, miR-150, miR-196b, and miR-34c as regulators of skeletal muscle mitochondrial metabolism. <i>Molecular Metabolism</i> , 2017 , 6, 1429-1442	8.8	14
43	Systems Phytohormone Responses to Mitochondrial Proteotoxic Stress. <i>Molecular Cell</i> , 2017 , 68, 540-551	17.6	28
42	Toxic metabolites, Sertoli cells and Y chromosome related genes are potentially linked to the reproductive toxicity induced by mequindox. <i>Oncotarget</i> , 2017 , 8, 87512-87528	3.3	6
41	Acinetobacter pittii, an emerging new multi-drug resistant fish pathogen isolated from diseased blunt snout bream (Megalobrama amblycephala Yih) in China. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6459-6471	5.7	22
40	Trichothecenes: immunomodulatory effects, mechanisms, and anti-cancer potential. <i>Archives of Toxicology</i> , 2017 , 91, 3737-3785	5.8	62
39	Impaired SUMOylation of nuclear receptor LRH-1 promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2017 , 127, 583-592	15.9	31
38	Antioxidant agents against trichothecenes: new hints for oxidative stress treatment. <i>Oncotarget</i> , 2017 , 8, 110708-110726	3.3	38
37	NAD ⁺ repletion improves muscle function in muscular dystrophy and counters global PARylation. <i>Science Translational Medicine</i> , 2016 , 8, 361ra139	17.5	152
36	Metabolism and toxicity of arsenicals in mammals. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 48, 214-224	5.8	90
35	Analysis of Mitochondrial Respiratory Chain Supercomplexes Using Blue Native Polyacrylamide Gel Electrophoresis (BN-PAGE). <i>Current Protocols in Mouse Biology</i> , 2016 , 6, 1-14	1.1	115
34	LRH-1-dependent programming of mitochondrial glutamine processing drives liver cancer. <i>Genes and Development</i> , 2016 , 30, 1255-60	12.6	41
33	Eliciting the mitochondrial unfolded protein response by nicotinamide adenine dinucleotide repletion reverses fatty liver disease in mice. <i>Hepatology</i> , 2016 , 63, 1190-204	11.2	223

32	Fumonisin: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. <i>Archives of Toxicology</i> , 2016 , 90, 81-101	5.8	59
31	Antimicrobial Drugs in Fighting against Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2016 , 7, 470	5.7	61
30	Effect of Tulathromycin on Colonization Resistance, Antimicrobial Resistance, and Virulence of Human Gut Microbiota in Chemostats. <i>Frontiers in Microbiology</i> , 2016 , 7, 477	5.7	3
29	Mechanisms of Antibacterial Action of Quinoxaline 1,4-di--oxides against and. <i>Frontiers in Microbiology</i> , 2016 , 7, 1948	5.7	17
28	Qualitative screening of veterinary anti-microbial agents in tissues, milk, and eggs of food-producing animals using liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1017-1018, 82-88	3.2	55
27	Genomic and proteomic analysis of the inhibition of synthesis and secretion of aldosterone hormone induced by quinoctone in NCI-H295R cells. <i>Toxicology</i> , 2016 , 350-352, 1-14	4.4	6
26	NAD ⁺ repletion improves mitochondrial and stem cell function and enhances life span in mice. <i>Science</i> , 2016 , 352, 1436-43	33.3	645
25	Permethrin-induced oxidative stress and toxicity and metabolism. A review. <i>Environmental Research</i> , 2016 , 149, 86-104	7.9	116
24	Multiclass method for the quantification of 92 veterinary antimicrobial drugs in livestock excreta, wastewater, and surface water by liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 4086-4095	3.4	11
23	Acute and sub-chronic toxicity study of diaveridine in Wistar rats. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 232-40	3.4	6
22	Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research. <i>Cell Reports</i> , 2015 , 10, 1681-1691	10.6	280
21	Integrated Transcriptional and Proteomic Analysis of Growth Hormone Suppression Mediated by Trichothecene T-2 Toxin in Rat GH3 Cells. <i>Toxicological Sciences</i> , 2015 , 147, 326-38	4.4	27
20	Microbiological toxicity of tilmicosin on human colonic microflora in chemostats. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 201-8	3.4	3
19	Phosphorylation of the nuclear receptor corepressor 1 by protein kinase B switches its corepressor targets in the liver in mice. <i>Hepatology</i> , 2015 , 62, 1606-18	11.2	37
18	Antibiotic use and abuse: a threat to mitochondria and chloroplasts with impact on research, health, and environment. <i>BioEssays</i> , 2015 , 37, 1045-53	4.1	74
17	Deoxidation rates play a critical role in DNA damage mediated by important synthetic drugs, quinoxaline 1,4-dioxides. <i>Chemical Research in Toxicology</i> , 2015 , 28, 470-81	4	35
16	Systematic and Molecular Basis of the Antibacterial Action of Quinoxaline 1,4-Di-N-Oxides against <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015 , 10, e0136450	3.7	34
15	SUMOylation-dependent LRH-1/PROX1 interaction promotes atherosclerosis by decreasing hepatic reverse cholesterol transport. <i>Cell Metabolism</i> , 2014 , 20, 603-13	24.6	60

14	Crosstalk of JNK1-STAT3 is critical for RAW264.7 cell survival. <i>Cellular Signalling</i> , 2014 , 26, 2951-60	4.9	30
13	Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. <i>Archives of Toxicology</i> , 2014 , 88, 1309-26	5.8	169
12	Metabolic disposition and excretion of quinocetone in rats, pigs, broilers, and carp. <i>Food and Chemical Toxicology</i> , 2014 , 69, 109-19	4.7	19
11	A method to identify and validate mitochondrial modulators using mammalian cells and the worm <i>C. elegans</i> . <i>Scientific Reports</i> , 2014 , 4, 5285	4.9	39
10	High risk of embryo-fetal toxicity: placental transfer of T-2 toxin and its major metabolite HT-2 toxin in BeWo cells. <i>Toxicological Sciences</i> , 2014 , 137, 168-78	4.4	25
9	Generation of selenium-enriched rice with enhanced grain yield, selenium content and bioavailability through fertilisation with selenite. <i>Food Chemistry</i> , 2013 , 141, 2385-93	8.5	79
8	Comparative proteomics analysis of selenium responses in selenium-enriched rice grains. <i>Journal of Proteome Research</i> , 2013 , 12, 808-20	5.6	19
7	A large-scale protein phosphorylation analysis reveals novel phosphorylation motifs and phosphoregulatory networks in Arabidopsis. <i>Journal of Proteomics</i> , 2013 , 78, 486-98	3.9	79
6	Proteomics analysis reveals multiple regulatory mechanisms in response to selenium in rice. <i>Journal of Proteomics</i> , 2012 , 75, 1849-66	3.9	83
5	Two generation reproduction and teratogenicity studies of feeding quinocetone fed to Wistar rats. <i>Food and Chemical Toxicology</i> , 2012 , 50, 1600-9	4.7	29
4	A comprehensive differential proteomic study of nitrate deprivation in Arabidopsis reveals complex regulatory networks of plant nitrogen responses. <i>Journal of Proteome Research</i> , 2012 , 11, 2301-15	5.6	58
3	JAK/STAT pathway plays a critical role in the proinflammatory gene expression and apoptosis of RAW264.7 cells induced by trichothecenes as DON and T-2 toxin. <i>Toxicological Sciences</i> , 2012 , 127, 412-24	4.4	89
2	Proteomic Analysis of Interactions Between the Generalist Herbivore <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae) and <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology Reporter</i> , 2010 , 28, 324-333	1.7	19
1	Polyethylene glycol fractionation improved detection of low-abundant proteins by two-dimensional electrophoresis analysis of plant proteome. <i>Phytochemistry</i> , 2006 , 67, 2341-8	4	72