# Xu Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/490786/publications.pdf

Version: 2024-02-01

| | | 81900 | 71685 |
|---|---|---|---|
| 107 | 6,579 | 39 | 76 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 108 | 108 | 108 | 10213 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hypothesis: JNK signaling is a therapeutic target of neurodegenerative diseases. Alzheimer's and Dementia, 2022, 18, 152-158. | 0.8 | 22 |
| 2 | A â€œJanusâ€•face of the RASSF4 signal in cell fate. Journal of Cellular Physiology, 2022, 237, 466-479. | 4.1 | 1 |
| 3 | Oxidative Stress and Metabolism: A Mechanistic Insight for Glyphosate Toxicology. Annual Review of Pharmacology and Toxicology, 2022, 62, 617-639. | 9.4 | 34 |
| 4 | Mitochondria as an important target of metformin: The mechanism of action, toxic and side effects, and new therapeutic applications. Pharmacological Research, 2022, 177, 106114. | 7.1 | 48 |
| 5 | Neonicotinoids: mechanisms of systemic toxicity based on oxidative stress-mitochondrial damage. Archives of Toxicology, 2022, 96, 1493-1520. | 4.2 | 25 |
| 6 | Nicotinamide N-methyltransferase protects against deoxynivalenol-induced growth inhibition by suppressing pro-inflammatory cytokine expression. Food and Chemical Toxicology, 2022, 163, 112969. | 3.6 | 5 |
| 7 | Bacterial Multidrug Efflux Pumps at the Frontline of Antimicrobial Resistance: An Overview. Antibiotics, 2022, 11, 520. | 3.7 | 47 |
| 8 | Toxic mechanisms of the trichothecenes T-2 toxin and deoxynivalenol on protein synthesis. Food and Chemical Toxicology, 2022, 164, 113044. | 3.6 | 14 |
| 9 | Deoxynivalenol and its modified forms: key enzymes, inter-individual and interspecies differences in metabolism. Drug Metabolism Reviews, 2022, 54, 331-342. | 3.6 | 1 |
| 10 | Targeting peroxisome proliferator-activated receptors: A new strategy for the treatment of cardiac fibrosis. , 2021, 219, 107702. | | 8 |
| 11 | A multilayered cross-species analysis of GRAS transcription factors uncovered their functional networks in plant adaptation to the environment. Journal of Advanced Research, 2021, 29, 191-205. | 9.5 | 10 |
| 12 | The role of hypoxiaâ€inducible factor 1 in tumor immune evasion. Medicinal Research Reviews, 2021, 41, 1622-1643. | 10.5 | 157 |
| 13 | Metabolism and Mechanism of Human Cytochrome P450 Enzyme 1A2. Current Drug Metabolism, 2021, 22, 40-49. | 1.2 | 23 |
| 14 | Hypoxia, oxidative stress, and immune evasion: a trinity of the trichothecenes T-2 toxin and deoxynivalenol (DON). Archives of Toxicology, 2021, 95, 1899-1915. | 4.2 | 42 |
| 15 | Back Cover Image, Volume 41, Issue 3. Medicinal Research Reviews, 2021, 41, iv. | 10.5 | 0 |
| 16 | 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. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2021, 38, 1364-1375. | 2.3 | 0 |
| 17 | PPAR-Î³ with its anti-fibrotic action could serve as an effective therapeutic target in T-2 toxin-induced cardiac fibrosis of rats. Food and Chemical Toxicology, 2021, 152, 112183. | 3.6 | 12 |
| 18 | Exploration of Clinical Breakpoint of Danofloxacin for Glaesserella parasuis in Plasma and in PELF. Antibiotics, 2021, 10, 808. | 3.7 | 5 |

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|---|---|---|---|
| 19 | Synthetic phenolic antioxidants: Metabolism, hazards and mechanism of action. Food Chemistry, 2021, 353, 129488. | 8.2 | 184 |
| 20 | MS4A3-HSP27 target pathway reveals potential for haematopoietic disorder treatment in alimentary toxic aleukia. Cell Biology and Toxicology, 2021, , 1. | 5.3 | 2 |
| 21 | Hypothesis: Long non-coding RNA is a potential target of mycotoxins. Food and Chemical Toxicology, 2021, 155, 112397. | 3.6 | 5 |
| 22 | A proposed â€œsteric-like effectâ€•for the slowdown of enrofloxacin antibiotic metabolism by ciprofloxacin, and its mechanism. Chemosphere, 2021, 284, 131347. | 8.2 | 10 |
| 23 | The role of long noncoding RNA in lipid, cholesterol, and glucose metabolism and treatment of obesity syndrome. Medicinal Research Reviews, 2021, 41, 1751-1774. | 10.5 | 26 |
| 24 | Interaction Between Florfenicol and Doxycycline Involving Cytochrome P450 3A in Goats (Capra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 | 2.2 | 4 |
| 25 | The NO-dependent caspase signaling pathway is a target of deoxynivalenol in growth inhibition in vitro. Food and Chemical Toxicology, 2021, 158, 112629. | 3.6 | 1 |
| 26 | Toxicity induced by ciprofloxacin and enrofloxacin: oxidative stress and metabolism. Critical Reviews in Toxicology, 2021, 51, 754-787. | 3.9 | 24 |
| 27 | Macrophage NCOR1 protects from atherosclerosis by repressing a pro-atherogenic PPARÎ³ signature. European Heart Journal, 2020, 41, 995-1005. | 2.2 | 56 |
| 28 | Isolation, identification and characterisation of an emerging fish pathogen, Acinetobacter pittii, from diseased loach (Misgurnus anguillicaudatus) in China. Antonie Van Leeuwenhoek, 2020, 113, 21-32. | 1.7 | 16 |
| 29 | The paradoxical effects of progesterone on the eggshell quality of laying hens. Journal of Structural Biology, 2020, 209, 107430. | 2.8 | 1 |
| 30 | The neurotoxicity of trichothecenes T-2 toxin and deoxynivalenol (DON): Current status and future perspectives. Food and Chemical Toxicology, 2020, 145, 111676. | 3.6 | 41 |
| 31 | The Gene-Regulatory Footprint of Aging Highlights Conserved Central Regulators. Cell Reports, 2020, 32, 108203. | 6.4 | 23 |
| 32 | Epigenetic upregulation of galanin-like peptide mediates deoxynivalenol induced-growth inhibition in pituitary cells. Toxicology and Applied Pharmacology, 2020, 403, 115166. | 2.8 | 6 |
| 33 | An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. Archives of Toxicology, 2020, 94, 3645-3669. | 4.2 | 50 |
| 34 | A novel strategy for the diagnosis, prognosis, treatment, and chemoresistance of hepatocellular carcinoma: DNA methylation. Medicinal Research Reviews, 2020, 40, 1973-2018. | 10.5 | 40 |
| 35 | Sodium Butyrate Protects the Intestinal Barrier by Modulating Intestinal Host Defense Peptide Expression and Gut Microbiota after a Challenge with Deoxynivalenol in Weaned Piglets. Journal of Agricultural and Food Chemistry, 2020, 68, 4515-4527. | 5.2 | 40 |
| 36 | Selective inhibitors for JNK signalling: a potential targeted therapy in cancer. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 574-583. | 5.2 | 96 |

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|---|---|---|---|
| 37 | Antimony symplastic and apoplastic absorption, compartmentation, and xylem translocation in Brassica parachinensis L. under antimonate and antimonite. Ecotoxicology and Environmental Safety, 2020, 197, 110621. | 6.0 | 9 |
| 38 | MiR-155-5p plays as a â€œjanusâ€•in the expression of inflammatory cytokines induced by T-2 toxin. Food and Chemical Toxicology, 2020, 140, 111258. | 3.6 | 11 |
| 39 | A Review: Effects of Macrolides on CYP450 Enzymes. Current Drug Metabolism, 2020, 21, 928-937. | 1.2 | 17 |
| 40 | DNA methylation and RASSF4 expression are involved in T-2 toxin-induced hepatotoxicity. Toxicology, 2019, 425, 152246. | 4.2 | 18 |
| 41 | DNA methylation is involved in pro-inflammatory cytokines expression in T-2 toxin-induced liver injury. Food and Chemical Toxicology, 2019, 132, 110661. | 3.6 | 27 |
| 42 | Molecular Characterization and Biological Function of a Novel LncRNA CRNG in Swine. Frontiers in Pharmacology, 2019, 10, 539. | 3.5 | 7 |
| 43 | Determination of Tartrazine, Lutein, Capsanthin, Canthaxanthin and Î²-Carotene in Animal-Derived Foods and Feeds by HPLC Method. Journal of Chromatographic Science, 2019, 57, 462-468. | 1.4 | 10 |
| 44 | Development of a Sensitive Monoclonal Antibodyâ€“Based Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Determination of Monensin in Edible Chicken Tissues. Food Analytical Methods, 2019, 12, 1479-1486. | 2.6 | 6 |
| 45 | JNK signaling in cancer cell survival. Medicinal Research Reviews, 2019, 39, 2082-2104. | 10.5 | 182 |
| 46 | Deoxynivalenol Inhibits Porcine Intestinal Trefoil Factors Expression in Weanling Piglets and IPEC-J2 Cells. Toxins, 2019, 11, 670. | 3.4 | 9 |
| 47 | Inside Cover Image, Volume 39, Issue 6. Medicinal Research Reviews, 2019, 39, ii. | 10.5 | 0 |
| 48 | Deltamethrin toxicity: A review of oxidative stress and metabolism. Environmental Research, 2019, 170, 260-281. | 7.5 | 128 |
| 49 | MicroRNAâ€382 silencing induces a mitonuclear protein imbalance and activates the mitochondrial unfolded protein response in muscle cells. Journal of Cellular Physiology, 2019, 234, 6601-6610. | 4.1 | 19 |
| 50 | Statins: Adverse reactions, oxidative stress and metabolic interactions. , 2019, 195, 54-84. | | 87 |
| 51 | Pyrrolidine Dithiocarbamate (PDTC) Inhibits DON-Induced Mitochondrial Dysfunction and Apoptosis via the NF-Î²B/iNOS Pathway. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8. | 4.0 | 21 |
| 52 | Immune Evasion, a Potential Mechanism of Trichothecenes: New Insights into Negative Immune Regulations. International Journal of Molecular Sciences, 2018, 19, 3307. | 4.1 | 23 |
| 53 | Mechanism of cyclosporine A nephrotoxicity: Oxidative stress, autophagy, and signalings. Food and Chemical Toxicology, 2018, 118, 889-907. | 3.6 | 94 |
| 54 | Mequindox Induced Genotoxicity and Carcinogenicity in Mice. Frontiers in Pharmacology, 2018, 9, 361. | 3.5 | 11 |

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|---|---|---|---|
| 55 | Maternal SSRIs experience and risk of ASD in offspring: a review. Toxicology Research, 2018, 7, 1020-1028. | 2.1 | 10 |
| 56 | An Integrated Systems Genetics and Omics Toolkit to Probe Gene Function. Cell Systems, 2018, 6, 90-102.e4. | 6.2 | 47 |
| 57 | 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. Food and Chemical Toxicology, 2017, 102, 11-23. | 3.6 | 45 |
| 58 | Toxic metabolites, MAPK and Nrf2/Keap1 signaling pathways involved in oxidative toxicity in mice liver after chronic exposure to Mequindox. Scientific Reports, 2017, 7, 41854. | 3.3 | 36 |
| 59 | The mitogen-activated protein kinase kinase 9 (MKK9) modulates nitrogen acquisition and anthocyanin accumulation under nitrogen-limiting condition in Arabidopsis. Biochemical and Biophysical Research Communications, 2017, 487, 539-544. | 2.1 | 17 |
| 60 | Enhanced Respiratory Chain Supercomplex Formation in Response to Exercise in Human Skeletal Muscle. Cell Metabolism, 2017, 25, 301-311. | 16.2 | 213 |
| 61 | Simultaneous Determination of Quinoxalines in Animal Feeds by a Modified QuEChERS Method with MWCNTs as the Sorbent Followed by High-Performance Liquid Chromatography. Food Analytical Methods, 2017, 10, 2085-2091. | 2.6 | 11 |
| 62 | 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. Journal of Pharmaceutical and Biomedical Analysis, 2017, 133, 56-63. | 2.8 | 28 |
| 63 | PKA/CREB and NF-Î²B pathway regulates AKNA transcription: A novel insight into T-2 toxin-induced inflammation and GH deficiency in GH3 cells. Toxicology, 2017, 392, 81-95. | 4.2 | 31 |
| 64 | An unbiased silencing screen in muscle cells identifies miR-320a, miR-150, miR-196b, and miR-34c as regulators of skeletal muscle mitochondrial metabolism. Molecular Metabolism, 2017, 6, 1429-1442. | 6.5 | 21 |
| 65 | Systems Phytohormone Responses to Mitochondrial Proteotoxic Stress. Molecular Cell, 2017, 68, 540-551.e5. | 9.7 | 47 |
| 66 | Acinetobacter pittii, an emerging new multi-drug resistant fish pathogen isolated from diseased blunt snout bream (Megalobrama amblycephala Yih) in China. Applied Microbiology and Biotechnology, 2017, 101, 6459-6471. | 3.6 | 33 |
| 67 | Trichothecenes: immunomodulatory effects, mechanisms, and anti-cancer potential. Archives of Toxicology, 2017, 91, 3737-3785. | 4.2 | 91 |
| 68 | Toxic metabolites, Sertoli cells and Y chromosome related genes are potentially linked to the reproductive toxicity induced by mequindox. Oncotarget, 2017, 8, 87512-87528. | 1.8 | 21 |
| 69 | Impaired SUMOylation of nuclear receptor LRH-1 promotes nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2017, 127, 583-592. | 8.2 | 50 |
| 70 | Antioxidant agents against trichothecenes: new hints for oxidative stress treatment. Oncotarget, 2017, 8, 110708-110726. | 1.8 | 58 |
| 71 | Antimicrobial Drugs in Fighting against Antimicrobial Resistance. Frontiers in Microbiology, 2016, 7, 470. | 3.5 | 100 |
| 72 | Effect of Tulathromycin on Colonization Resistance, Antimicrobial Resistance, and Virulence of Human Gut Microbiota in Chemostats. Frontiers in Microbiology, 2016, 7, 477. | 3.5 | 5 |

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|---|---|---|---|
| 73 | Mechanisms of Antibacterial Action of Quinoxaline 1,4-di-N-oxides against Clostridium perfringens and Brachyspira hyodysenteriae. Frontiers in Microbiology, 2016, 7, 1948. | 3.5 | 23 |
| 74 | Qualitative screening of veterinary anti-microbial agents in tissues, milk, and eggs of food-producing animals using liquid chromatography coupled with tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1017-1018, 82-88. | 2.3 | 69 |
| 75 | Genomic and proteomic analysis of the inhibition of synthesis and secretion of aldosterone hormone induced by quinocetone in NCI-H295R cells. Toxicology, 2016, 350-352, 1-14. | 4.2 | 21 |
| 76 | NAD <sup>+</sup> repletion improves mitochondrial and stem cell function and enhances life span in mice. Science, 2016, 352, 1436-1443. | 12.6 | 907 |
| 77 | Permethrin-induced oxidative stress and toxicity and metabolism. A review. Environmental Research, 2016, 149, 86-104. | 7.5 | 180 |
| 78 | Multiclass method for the quantification of 92 veterinary antimicrobial drugs in livestock excreta, wastewater, and surface water by liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2016, 39, 4086-4095. | 2.5 | 17 |
| 79 | NAD <sup>+</sup> repletion improves muscle function in muscular dystrophy and counters global PARylation. Science Translational Medicine, 2016, 8, 361ra139. | 12.4 | 208 |
| 80 | Metabolism and toxicity of arsenicals in mammals. Environmental Toxicology and Pharmacology, 2016, 48, 214-224. | 4.0 | 124 |
| 81 | Analysis of Mitochondrial Respiratory Chain Supercomplexes Using Blue Native Polyacrylamide Gel Electrophoresis (BNâ€PAGE). Current Protocols in Mouse Biology, 2016, 6, 1-14. | 1.2 | 212 |
| 82 | LRH-1-dependent programming of mitochondrial glutamine processing drives liver cancer. Genes and Development, 2016, 30, 1255-1260. | 5.9 | 56 |
| 83 | Eliciting the mitochondrial unfolded protein response by nicotinamide adenine dinucleotide repletion reverses fatty liver disease in mice. Hepatology, 2016, 63, 1190-1204. | 7.3 | 289 |
| 84 | Fumonisins: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. Archives of Toxicology, 2016, 90, 81-101. | 4.2 | 83 |
| 85 | Phosphorylation of the nuclear receptor corepressor 1 by protein kinase B switches its corepressor targets in the liver in mice. Hepatology, 2015, 62, 1606-1618. | 7.3 | 46 |
| 86 | Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment. BioEssays, 2015, 37, 1045-1053. | 2.5 | 108 |
| 87 | Deoxidation Rates Play a Critical Role in DNA Damage Mediated by Important Synthetic Drugs, Quinoxaline 1,4-Dioxides. Chemical Research in Toxicology, 2015, 28, 470-481. | 3.3 | 52 |
| 88 | Acute and sub-chronic toxicity study of diaveridine in Wistar rats. Regulatory Toxicology and Pharmacology, 2015, 73, 232-240. | 2.7 | 8 |
| 89 | Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research. Cell Reports, 2015, 10, 1681-1691. | 6.4 | 385 |
| 90 | Integrated Transcriptional and Proteomic Analysis of Growth Hormone Suppression Mediated by Trichothecene T-2 Toxin in Rat GH3 Cells. Toxicological Sciences, 2015, 147, 326-338. | 3.1 | 34 |

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|---|---|---|---|
| 91 | Microbiological toxicity of tilmicosin on human colonic microflora in chemostats. Regulatory Toxicology and Pharmacology, 2015, 73, 201-208. | 2.7 | 8 |
| 92 | Systematic and Molecular Basis of the Antibacterial Action of Quinoxaline 1,4-Di-N-Oxides against Escherichia coli. PLoS ONE, 2015, 10, e0136450. | 2.5 | 55 |
| 93 | A method to identify and validate mitochondrial modulators using mammalian cells and the worm C. elegans. Scientific Reports, 2014, 4, 5285. | 3.3 | 42 |
| 94 | High Risk of Embryo-Fetal Toxicity: Placental Transfer of T-2 Toxin and Its Major Metabolite HT-2 Toxin in BeWo Cells. Toxicological Sciences, 2014, 137, 168-178. | 3.1 | 26 |
| 95 | SUMOylation-Dependent LRH-1/PROX1 Interaction Promotes Atherosclerosis by Decreasing Hepatic Reverse Cholesterol Transport. Cell Metabolism, 2014, 20, 603-613. | 16.2 | 73 |
| 96 | Crosstalk of JNK1-STAT3 is critical for RAW264.7 cell survival. Cellular Signalling, 2014, 26, 2951-2960. | 3.6 | 38 |
| 97 | Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. Archives of Toxicology, 2014, 88, 1309-1326. | 4.2 | 220 |
| 98 | Metabolic disposition and excretion of quinocetone in rats, pigs, broilers, and carp. Food and Chemical Toxicology, 2014, 69, 109-119. | 3.6 | 29 |
| 99 | Generation of selenium-enriched rice with enhanced grain yield, selenium content and bioavailability through fertilisation with selenite. Food Chemistry, 2013, 141, 2385-2393. | 8.2 | 107 |
| 100 | Comparative Proteomics Analysis of Selenium Responses in Selenium-Enriched Rice Grains. Journal of Proteome Research, 2013, 12, 808-820. | 3.7 | 26 |
| 101 | A large-scale protein phosphorylation analysis reveals novel phosphorylation motifs and phosphoregulatory networks in Arabidopsis. Journal of Proteomics, 2013, 78, 486-498. | 2.4 | 103 |
| 102 | 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. Toxicological Sciences, 2012, 127, 412-424. | 3.1 | 108 |
| 103 | Proteomics analysis reveals multiple regulatory mechanisms in response to selenium in rice. Journal of Proteomics, 2012, 75, 1849-1866. | 2.4 | 99 |
| 104 | Two generation reproduction and teratogenicity studies of feeding quinocetone fed to Wistar rats. Food and Chemical Toxicology, 2012, 50, 1600-1609. | 3.6 | 33 |
| 105 | A Comprehensive Differential Proteomic Study of Nitrate Deprivation in Arabidopsis Reveals Complex Regulatory Networks of Plant Nitrogen Responses. Journal of Proteome Research, 2012, 11, 2301-2315. | 3.7 | 71 |
| 106 | Proteomic Analysis of Interactions Between the Generalist Herbivore Spodoptera exigua (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.8 | 21 |
| 107 | Polyethylene glycol fractionation improved detection of low-abundant proteins by two-dimensional electrophoresis analysis of plant proteome. Phytochemistry, 2006, 67, 2341-2348. | 2.9 | 76 |