

Xiaodong Xia

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Antimicrobial activity of syringic acid against <i>Cronobacter sakazakii</i> and its effect on cell membrane. <i>Food Chemistry</i> , 2016, 197, 100-106. | 8.2 | 157 |
| 2 | Antimicrobial Activity and Possible Mechanism of Action of Citral against <i>Cronobacter sakazakii</i> . <i>PLoS ONE</i> , 2016, 11, e0159006. | 2.5 | 151 |
| 3 | Antimicrobial effect and mode of action of chlorogenic acid on <i>Staphylococcus aureus</i> . <i>European Food Research and Technology</i> , 2014, 238, 589-596. | 3.3 | 115 |
| 4 | Punicalagin Inhibits <i>Salmonella</i> Virulence Factors and Has Anti-Quorum-Sensing Potential. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6204-6211. | 3.1 | 97 |
| 5 | Antimicrobial Activity of Ferulic Acid Against <i>Cronobacter sakazakii</i> and Possible Mechanism of Action. <i>Foodborne Pathogens and Disease</i> , 2016, 13, 196-204. | 1.8 | 93 |
| 6 | Determination of nitrofurans metabolites residues in aquatic products by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2016, 192, 612-617. | 8.2 | 76 |
| 7 | Antimicrobial Activity of Punicalagin Against <i>Staphylococcus aureus</i> and Its Effect on Biofilm Formation. <i>Foodborne Pathogens and Disease</i> , 2017, 14, 282-287. | 1.8 | 73 |
| 8 | Oxidative stress is involved in Patulin induced apoptosis in HEK293 cells. <i>Toxicon</i> , 2015, 94, 1-7. | 1.6 | 64 |
| 9 | Inhibition of <i>Cronobacter sakazakii</i> Virulence Factors by Citral. <i>Scientific Reports</i> , 2017, 7, 43243. | 3.3 | 57 |
| 10 | Counts, Serotypes, and Antimicrobial Resistance of <i>Salmonella</i> Isolates on Retail Raw Poultry in the People's Republic of China. <i>Journal of Food Protection</i> , 2014, 77, 894-902. | 1.7 | 51 |
| 11 | The application of slightly acidic electrolyzed water in pea sprout production to ensure food safety, biological and nutritional quality of the sprout. <i>Food Control</i> , 2019, 104, 83-90. | 5.5 | 50 |
| 12 | Molecular characterization of <i>Salmonella enterica</i> serovar Enteritidis on retail raw poultry in six provinces and two National cities in China. <i>Food Microbiology</i> , 2015, 46, 74-80. | 4.2 | 47 |
| 13 | Apigenin attenuates patulin-induced apoptosis in HEK293 cells by modulating ROS-mediated mitochondrial dysfunction and caspase signal pathway. <i>Toxicon</i> , 2017, 137, 106-113. | 1.6 | 46 |
| 14 | 3-Monochloro-1,2-propanediol (3-MCPD) induces apoptosis via mitochondrial oxidative phosphorylation system impairment and the caspase cascade pathway. <i>Toxicology</i> , 2016, 372, 1-11. | 4.2 | 42 |
| 15 | Antibiofilm activity of shikonin against <i>Listeria monocytogenes</i> and inhibition of key virulence factors. <i>Food Control</i> , 2021, 120, 107558. | 5.5 | 42 |
| 16 | Urolithin A attenuates oxLDL-induced endothelial dysfunction partly by modulating microRNA-27 and ERK/PPAR γ pathway. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1933-1943. | 3.3 | 41 |
| 17 | Effects of Tomato Variety, Temperature Differential, and Post-Stem Removal Time on Internalization of <i>Salmonella Enterica</i> Serovar Thompson in Tomatoes. <i>Journal of Food Protection</i> , 2012, 75, 297-303. | 1.7 | 40 |
| 18 | Attenuation of Multiple <i>Vibrio parahaemolyticus</i> Virulence Factors by Citral. <i>Frontiers in Microbiology</i> , 2019, 10, 894. | 3.5 | 40 |

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|----|--|-----|-----------|
| 19 | The antimicrobial activity of coenzyme Q0 against planktonic and biofilm forms of <i>Cronobacter sakazakii</i> . <i>Food Microbiology</i> , 2020, 86, 103337. | 4.2 | 40 |
| 20 | Jellyfish skin polysaccharides enhance intestinal barrier function and modulate the gut microbiota in mice with DSS-induced colitis. <i>Food and Function</i> , 2021, 12, 10121-10135. | 4.6 | 37 |
| 21 | Characterization of an NDM-5 carbapenemase-producing <i>Escherichia coli</i> ST156 isolate from a poultry farm in Zhejiang, China. <i>BMC Microbiology</i> , 2019, 19, 82. | 3.3 | 35 |
| 22 | Tannin-Rich Fraction from Pomegranate Rind Inhibits Quorum Sensing in <i>Chromobacterium violaceum</i> and Biofilm Formation in <i>Escherichia coli</i> . <i>Foodborne Pathogens and Disease</i> , 2016, 13, 28-35. | 1.8 | 33 |
| 23 | Inhibition of ER stress attenuates kidney injury and apoptosis induced by 3-MCPD via regulating mitochondrial fission/fusion and Ca ²⁺ homeostasis. <i>Cell Biology and Toxicology</i> , 2021, 37, 795-809. | 5.3 | 32 |
| 24 | Prevalence and Characterization of <i>Cronobacter sakazakii</i> in Retail Milk-Based Infant and Baby Foods in Shaanxi, China. <i>Foodborne Pathogens and Disease</i> , 2016, 13, 221-227. | 1.8 | 31 |
| 25 | Inhibitory Effect of Thymoquinone on <i>Listeria monocytogenes</i> ATCC 19115 Biofilm Formation and Virulence Attributes Critical for Human Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 304. | 3.9 | 31 |
| 26 | Thymoquinone Inhibits Biofilm Formation and Attachment-Invasion in Host Cells of <i>Vibrio parahaemolyticus</i> . <i>Foodborne Pathogens and Disease</i> , 2019, 16, 671-678. | 1.8 | 30 |
| 27 | Disinfectant Resistance Profiles and Biofilm Formation Capacity of <i>Escherichia coli</i> Isolated from Retail Chicken. <i>Microbial Drug Resistance</i> , 2019, 25, 703-711. | 2.0 | 30 |
| 28 | Dioscin relieves diabetic nephropathy via suppressing oxidative stress and apoptosis, and improving mitochondrial quality and quantity control. <i>Food and Function</i> , 2022, 13, 3660-3673. | 4.6 | 29 |
| 29 | Transcriptomic analysis of PhoR reveals its role in regulation of swarming motility and T3SS expression in <i>Vibrio parahaemolyticus</i> . <i>Microbiological Research</i> , 2020, 235, 126448. | 5.3 | 25 |
| 30 | Effect of slightly acidic electrolyzed water on natural Enterobacteriaceae reduction and seed germination in the production of alfalfa sprouts. <i>Food Microbiology</i> , 2021, 97, 103414. | 4.2 | 25 |
| 31 | Quality and consumer acceptance of radio frequency and traditional heat pasteurised kiwi puree during storage. <i>International Journal of Food Science and Technology</i> , 2018, 53, 209-218. | 2.7 | 24 |
| 32 | Carriage of Distinct ϕ -Harboring Plasmids by Unusual Serotypes of <i>Salmonella</i> . <i>Advanced Biology</i> , 2020, 4, e1900219. | 3.0 | 23 |
| 33 | Allicin Inhibits Microbial Growth and Oxidative Browning of Fresh-Cut Lettuce (<i>Lactuca sativa</i>) During Refrigerated Storage. <i>Food and Bioprocess Technology</i> , 2014, 7, 1597-1605. | 4.7 | 22 |
| 34 | Prevalence, Antimicrobial Susceptibility, and Enterotoxin Gene Detection of <i>Staphylococcus aureus</i> Isolates in Ready-to-Eat Foods in Shaanxi, People's Republic of China. <i>Journal of Food Protection</i> , 2014, 77, 331-334. | 1.7 | 21 |
| 35 | Thymoquinone Inhibits Virulence Related Traits of <i>Cronobacter sakazakii</i> ATCC 29544 and Has Anti-biofilm Formation Potential. <i>Frontiers in Microbiology</i> , 2017, 8, 2220. | 3.5 | 21 |
| 36 | Glutathione Reduction of Patulin-Evoked Cytotoxicity in HEK293 Cells by the Prevention of Oxidative Damage and the Mitochondrial Apoptotic Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7775-7785. | 5.2 | 21 |

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|----|---|-----|-----------|
| 37 | <i>Escherichia fergusonii</i> , an Underrated Repository for Antimicrobial Resistance in Food Animals. <i>Microbiology Spectrum</i> , 2022, 10, e0161721. | 3.0 | 21 |
| 38 | Punicalagin inhibits biofilm formation and virulence gene expression of <i>Vibrio parahaemolyticus</i> . <i>Food Control</i> , 2022, 139, 109045. | 5.5 | 21 |
| 39 | Molecular Characterization of <i>qnrVC</i> Genes and Their Novel Alleles in <i>Vibrio</i> spp. Isolated from Food Products in China. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 19 |
| 40 | Protective effects of apigenin against 3-MCPD-induced renal injury in rat. <i>Chemico-Biological Interactions</i> , 2018, 296, 9-17. | 4.0 | 19 |
| 41 | The role of PhoP/PhoQ two component system in regulating stress adaptation in <i>Cronobacter sakazakii</i> . <i>Food Microbiology</i> , 2021, 100, 103851. | 4.2 | 19 |
| 42 | Antibiofilm effect of sodium butyrate against <i>Vibrio parahaemolyticus</i> . <i>Food Control</i> , 2022, 131, 108422. | 5.5 | 19 |
| 43 | Emergence of <i>fexA</i> in Mediating Resistance to Florfenicols in <i>Campylobacter</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 3.2 | 18 |
| 44 | Inactivation of <i>Pseudomonas aeruginosa</i> Biofilms by 405-Nanometer-Light-Emitting Diode Illumination. <i>Applied and Environmental Microbiology</i> , 2020, 86, . | 3.1 | 18 |
| 45 | The renoprotective effect of diosgenin on aristolochic acid I-induced renal injury in rats: impact on apoptosis, mitochondrial dynamics and autophagy. <i>Food and Function</i> , 2020, 11, 7456-7467. | 4.6 | 16 |
| 46 | Dual-modified starch nanospheres encapsulated with curcumin by self-assembly: Structure, physicochemical properties and anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 305-314. | 7.5 | 16 |
| 47 | Inactivation mechanism of slightly acidic electrolyzed water on <i>Bacillus cereus</i> spores. <i>Food Microbiology</i> , 2022, 103, 103951. | 4.2 | 16 |
| 48 | Presence and Antimicrobial Susceptibility of <i>Escherichia coli</i> Recovered from Retail Chicken in China. <i>Journal of Food Protection</i> , 2014, 77, 1773-1777. | 1.7 | 15 |
| 49 | Tannin-Rich Pomegranate Rind Extracts Reduce Adhesion to and Invasion of Caco-2 Cells by <i>Listeria monocytogenes</i> and Decrease Its Expression of Virulence Genes. <i>Journal of Food Protection</i> , 2015, 78, 128-133. | 1.7 | 15 |
| 50 | Antibiotic Susceptibility and Molecular Screening of Class I Integron in <i>Salmonella</i> Isolates Recovered from Retail Raw Chicken Carcasses in China. <i>Microbial Drug Resistance</i> , 2017, 23, 230-235. | 2.0 | 15 |
| 51 | Antibiofilm activity of coenzyme Q0 against <i>Salmonella</i> Typhimurium and its effect on adhesion–invasion and survival–replication. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8545-8557. | 3.6 | 15 |
| 52 | Inhibitory Effect of Coenzyme Q0 on the Growth of <i>Staphylococcus aureus</i> . <i>Foodborne Pathogens and Disease</i> , 2019, 16, 317-324. | 1.8 | 14 |
| 53 | Distribution and Molecular Characterization of Hypermutators in Retail Food in China. <i>Journal of Food Protection</i> , 2015, 78, 1481-1487. | 1.7 | 13 |
| 54 | NKL-24: A novel antimicrobial peptide derived from zebrafish NK-lysin that inhibits bacterial growth and enhances resistance against <i>Vibrio parahaemolyticus</i> infection in Yesso scallop, <i>Patinopecten yessoensis</i> . <i>Fish and Shellfish Immunology</i> , 2020, 106, 431-440. | 3.6 | 13 |

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|----|---|------|-----------|
| 55 | Diosgenin Protects Against Kidney Injury and Mitochondrial Apoptosis Induced by 3- <i>MC</i> PD Through the Regulation of ER Stress, Ca ²⁺ Homeostasis, and Bcl2 Expression. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2001202. | 3.3 | 13 |
| 56 | The anti-infective activity of punicalagin against <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar typhimurium in mice. <i>Food and Function</i> , 2015, 6, 2357-2364. | 4.6 | 12 |
| 57 | Genetic Characterization of bla _{CTX} -55 -Bearing Plasmids Harbored by Food-Borne Cephalosporin-Resistant <i>Vibrio parahaemolyticus</i> Strains in China. <i>Frontiers in Microbiology</i> , 2019, 10, 1338. | 3.5 | 12 |
| 58 | Mevalonate Blockade in Cancer Cells Triggers CLEC9A+ Dendritic Cell-Mediated Antitumor Immunity. <i>Cancer Research</i> , 2021, 81, 4514-4528. | 0.9 | 12 |
| 59 | Two IncHI2 Plasmid-Mediated Colistin-Resistant <i>Escherichia coli</i> Strains from the Broiler Chicken Supply Chain in Zhejiang Province, China. <i>Journal of Food Protection</i> , 2020, 83, 1402-1410. | 1.7 | 12 |
| 60 | Effects of 405-nm LED Treatment on the Resistance of <i>Listeria monocytogenes</i> to Subsequent Environmental Stresses. <i>Frontiers in Microbiology</i> , 2019, 10, 1907. | 3.5 | 11 |
| 61 | Fish oil extracted from <i>Coregonus peled</i> improves obese phenotype and changes gut microbiota in a high-fat diet-induced mouse model of recurrent obesity. <i>Food and Function</i> , 2020, 11, 6158-6169. | 4.6 | 11 |
| 62 | Punicalagin Prevents Hepatic Steatosis through Improving Lipid Homeostasis and Inflammation in Liver and Adipose Tissue and Modulating Gut Microbiota in Western Diet-Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001031. | 3.3 | 11 |
| 63 | The reduction of <i>Salmonella</i> on chicken skin by the combination of sodium dodecyl sulfate with antimicrobial chemicals and coating wax microemulsions. <i>Poultry Science</i> , 2019, 98, 2615-2621. | 3.4 | 10 |
| 64 | Involvement of NADPH oxidase in patulin-induced oxidative damage and cytotoxicity in HEK293 cells. <i>Food and Chemical Toxicology</i> , 2021, 150, 112055. | 3.6 | 10 |
| 65 | Drp1-mediated mitochondrial fission induced autophagy attenuates cell apoptosis caused by 3-chloropropane-1,2-diol in HEK293 cells. <i>Food and Chemical Toxicology</i> , 2020, 145, 111740. | 3.6 | 9 |
| 66 | <i>Cronobacter sakazakii</i> ATCC 29544 Translocated Human Brain Microvascular Endothelial Cells via Endocytosis, Apoptosis Induction, and Disruption of Tight Junction. <i>Frontiers in Microbiology</i> , 2021, 12, 675020. | 3.5 | 9 |
| 67 | Similar Antimicrobial Resistance of <i>Escherichia coli</i> Strains Isolated from Retail Chickens and Poultry Farms. <i>Foodborne Pathogens and Disease</i> , 2021, 18, 489-496. | 1.8 | 9 |
| 68 | Impact of dietary components on enteric infectious disease. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4010-4035. | 10.3 | 9 |
| 69 | Enhanced biofilm formation in dual-species culture of <i>Listeria monocytogenes</i> and <i>Ralstonia insidiosa</i> . <i>AIMS Microbiology</i> , 2017, 3, 774-783. | 2.2 | 9 |
| 70 | One-step synthesis of melamine-sponge functionalized carbon nitride for excellent water sterilization via photogenerated holes and photothermal conversion. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 893-904. | 9.4 | 9 |
| 71 | Efficacy of 405-nm LED illumination and citral used alone and in combination for the inactivation of <i>Cronobacter sakazakii</i> in reconstituted powdered infant formula. <i>Food Research International</i> , 2022, 154, 111027. | 6.2 | 9 |
| 72 | Prevalence, distribution, and diversity of <i>Escherichia coli</i> in plants manufacturing goat milk powder in Shaanxi, China. <i>Journal of Dairy Science</i> , 2015, 98, 2260-2267. | 3.4 | 8 |

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|----|--|-----|-----------|
| 73 | First detection of a bla CTX-M-15 -carrying plasmid in <i>Vibrio alginolyticus</i> . <i>Journal of Global Antimicrobial Resistance</i> , 2018, 13, 206-208. | 2.2 | 8 |
| 74 | Complete Genome Sequence of Colistin-Resistant <i>Escherichia fergusonii</i> Strain EFCF056. <i>Microbiology Resource Announcements</i> , 2020, 9, . | 0.6 | 8 |
| 75 | Citral Attenuated Intestinal Inflammation Induced by <i>Cronobacter sakazakii</i> in Newborn Mice. <i>Foodborne Pathogens and Disease</i> , 2020, 17, 243-252. | 1.8 | 7 |
| 76 | Self-Compounded Nanocomposites: toward Multifunctional Membranes with Superior Mechanical, Gas/Oil Barrier, UV-Shielding, and Photothermal Conversion Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28668-28678. | 8.0 | 7 |
| 77 | Punicalagin Damages the Membrane of <i>Salmonella Typhimurium</i> . <i>Journal of Food Protection</i> , 2020, 83, 2102-2106. | 1.7 | 7 |
| 78 | Inactivation of Nondesiccated and Desiccated <i>Cronobacter sakazakii</i> in Reconstituted Infant Formula by Combination of Citral and Mild Heat. <i>Journal of Food Protection</i> , 2017, 80, 1193-1197. | 1.7 | 6 |
| 79 | Antibacterial Activity and Mechanism of Coenzyme Q ₀ Against <i>Escherichia coli</i> . <i>Foodborne Pathogens and Disease</i> , 2021, 18, 398-404. | 1.8 | 6 |
| 80 | Dietary Acrylamide Intake Alters Gut Microbiota in Mice and Increases Its Susceptibility to <i>Salmonella Typhimurium</i> Infection. <i>Foods</i> , 2021, 10, 2990. | 4.3 | 6 |
| 81 | Presence and Antimicrobial Resistance of <i>Escherichia coli</i> in Ready-to-Eat Foods in Shaanxi, China. <i>Journal of Food Protection</i> , 2017, 80, 420-424. | 1.7 | 5 |
| 82 | Data-Independent Acquisition-Based Quantitative Proteomic Analysis Reveals the Protective Effect of Apigenin on Palmitate-Induced Lipotoxicity in Human Aortic Endothelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8836-8846. | 5.2 | 5 |
| 83 | Comparison of Inactivation Effect of Slightly Acidic Electrolyzed Water and Sodium Hypochlorite on <i>Bacillus cereus</i> Spores. <i>Foodborne Pathogens and Disease</i> , 2021, 18, 192-201. | 1.8 | 5 |
| 84 | Survey of Microbial Contamination and Characterization of <i>Escherichia coli</i> in Kiwifruit Orchards in Shaanxi, China, 2013. <i>Foodborne Pathogens and Disease</i> , 2015, 12, 857-863. | 1.8 | 4 |
| 85 | Effects of 405 ± 5-nm LED Illumination on Environmental Stress Tolerance of <i>Salmonella Typhimurium</i> in Sliced Beef. <i>Foods</i> , 2022, 11, 136. | 4.3 | 4 |
| 86 | Involvement of PhoP/PhoQ two-component system in biofilm formation in <i>Cronobacter sakazakii</i> . <i>Food Control</i> , 2022, 133, 108621. | 5.5 | 3 |
| 87 | Citral mitigates inflammation of Caco-2 cells induced by <i>Cronobacter sakazakii</i> . <i>Food and Function</i> , 2022, 13, 3540-3550. | 4.6 | 2 |
| 88 | Inactivation of <i>Shigella flexneri</i> by 405-nm Light-Emitting Diode Treatment and Possible Mechanism of Action. <i>Foodborne Pathogens and Disease</i> , 2022, 19, 349-358. | 1.8 | 1 |
| 89 | Efficacy of combination of slightly acidic electrolyzed water and ultrasound for inactivation of <i>Vibrio parahaemolyticus</i> in vitro and in sliced tilapia. <i>Journal of Food Processing and Preservation</i> , 2022, 46, . | 2.0 | 1 |
| 90 | Editorial: Interactions Between Bioactive Food Ingredients and Intestinal Microbiota. <i>Frontiers in Microbiology</i> , 2022, 13, 902962. | 3.5 | 0 |