

Xuan Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

461
citations

1040056

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752698

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docs citations

21
times ranked

630
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Study on fecal fermentation characteristics of aloe polysaccharides in vitro and their predictive modeling. <i>Carbohydrate Polymers</i> , 2021, 256, 117571. | 10.2 | 74 |
| 2 | Cobalamin (Vitamin B12) Induced a Shift in Microbial Composition and Metabolic Activity in an in vitro Colon Simulation. <i>Frontiers in Microbiology</i> , 2018, 9, 2780. | 3.5 | 63 |
| 3 | Xylitol enhances synthesis of propionate in the colon via cross-feeding of gut microbiota. <i>Microbiome</i> , 2021, 9, 62. | 11.1 | 52 |
| 4 | Impact of Cyanocobalamin and Methylcobalamin on Inflammatory Bowel Disease and the Intestinal Microbiota Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 916-926. | 5.2 | 41 |
| 5 | Stability of vitamin B12 with the protection of whey proteins and their effects on the gut microbiome. <i>Food Chemistry</i> , 2019, 276, 298-306. | 8.2 | 41 |
| 6 | Sowing date detection at the field scale using CubeSats remote sensing. <i>Computers and Electronics in Agriculture</i> , 2019, 157, 568-580. | 7.7 | 39 |
| 7 | Enhancing the vitamin B12 production and growth of <i>Propionibacterium freudenreichii</i> in tofu wastewater via a light-induced vitamin B12 riboswitch. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10481-10488. | 3.6 | 31 |
| 8 | Toxicity Assessment of Nano-ZnO Exposure on the Human Intestinal Microbiome, Metabolic Functions, and Resistome Using an In Vitro Colon Simulator. <i>Environmental Science & Technology</i> , 2021, 55, 6884-6896. | 10.0 | 24 |
| 9 | Synergistic Effects of The Enhancements to Mitochondrial ROS, p53 Activation and Apoptosis Generated by Aspartame and Potassium Sorbate in HepG2 Cells. <i>Molecules</i> , 2019, 24, 457. | 3.8 | 19 |
| 10 | Gut microbiota affect the formation of calcium oxalate renal calculi caused by high daily tea consumption. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 789-802. | 3.6 | 14 |
| 11 | Vitamin B12 Enriched in Spinach and its Effects on Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2204-2212. | 5.2 | 11 |
| 12 | Milk phospholipid supplementation mediates colonization resistance of mice against <i>Salmonella</i> infection in association with modification of gut microbiota. <i>Food and Function</i> , 2020, 11, 6078-6090. | 4.6 | 9 |
| 13 | Influences of Xylitol Consumption at Different Dosages on Intestinal Tissues and Gut Microbiota in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12002-12011. | 5.2 | 8 |
| 14 | Enhancing vitamin B12 content in co-fermented soy-milk via a Lotka Volterra model. <i>Turkish Journal of Biochemistry</i> , 2018, 43, 671-678. | 0.5 | 7 |
| 15 | Assessment of Poplar Looper (<i>Apocheima cinerarius</i> Erschoff) Infestation on Euphrates (<i>Populus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Analysis. <i>Remote Sensing</i> , 2021, 13, 2345. | 4.0 | 6 |
| 16 | Investigating Morphology of Food Systems and Water-biopolymer Interactions in Food Using 1H NMR Relaxometry. <i>Food Biophysics</i> , 0, , 1. | 3.0 | 6 |
| 17 | Effect of xylitol on gut microbiota in an in vitro colonic simulation. <i>Turkish Journal of Biochemistry</i> , 2019, 44, 646-653. | 0.5 | 4 |
| 18 | Dityrosine suppresses the cytoprotective action of thyroid hormone T3 via inhibiting thyroid hormone receptor-mediated transcriptional activation. <i>RSC Advances</i> , 2020, 10, 21057-21070. | 3.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Methylcobalamin Alleviates Neuronal Apoptosis and Cognitive Decline Induced by PM2.5 Exposure in Mice. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 1783-1796. | 2.6 | 4 |
| 20 | Association of hypertension with infection and inflammation in a setting of disadvantage in rural India. <i>Journal of Human Hypertension</i> , 2022, 36, 1011-1020. | 2.2 | 3 |
| 21 | The composition of the gut microbiome in patients with sarcopenia. <i>Biyokimya Dergisi</i> , 2022, . | 0.5 | 1 |