

Zhengxiao Zhang

List of Publications by Citations

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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.

22

papers

522

citations

11

h-index

22

g-index

27

ext. papers

940

ext. citations

8.7

avg, IF

4.11

L-index

#	Paper	IF	Citations
22	Precision Microbiome Modulation with Discrete Dietary Fiber Structures Directs Short-Chain Fatty Acid Production. <i>Cell Host and Microbe</i> , 2020 , 27, 389-404.e6	23.4	118
21	Impact of Fecal Microbiota Transplantation on Obesity and Metabolic Syndrome-A Systematic Review. <i>Nutrients</i> , 2019 , 11,	6.7	83
20	Extraction and modification technology of arabinoxylans from cereal by-products: A critical review. <i>Food Research International</i> , 2014 , 65, 423-436	7	71
19	Comparison of DNA-, PMA-, and RNA-based 16S rRNA Illumina sequencing for detection of live bacteria in water. <i>Scientific Reports</i> , 2017 , 7, 5752	4.9	60
18	Gut microbiota modulation with long-chain corn bran arabinoxylan in adults with overweight and obesity is linked to an individualized temporal increase in fecal propionate. <i>Microbiome</i> , 2020 , 8, 118	16.6	30
17	Fecal microbial transplantation and fiber supplementation in patients with severe obesity and metabolic syndrome: a randomized double-blind, placebo-controlled phase 2 trial. <i>Nature Medicine</i> , 2021 , 27, 1272-1279	50.5	25
16	Impact of xylanases on gut microbiota of growing pigs fed corn- or wheat-based diets. <i>Animal Nutrition</i> , 2018 , 4, 339-350	4.8	25
15	Feeding practice influences gut microbiome composition in very low birth weight preterm infants and the association with oxidative stress: A prospective cohort study. <i>Free Radical Biology and Medicine</i> , 2019 , 142, 146-154	7.8	23
14	Characterization of Nitric Oxide Modulatory Activities of Alkaline-Extracted and Enzymatic-Modified Arabinoxylans from Corn Bran in Cultured Human Monocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8128-8137	5.7	14
13	Not All Fibers Are Born Equal; Variable Response to Dietary Fiber Subtypes in IBD. <i>Frontiers in Pediatrics</i> , 2020 , 8, 620189	3.4	12
12	A Diversified Dietary Pattern Is Associated With a Balanced Gut Microbial Composition of Faecalibacterium and Escherichia/Shigella in Patients With Crohn's Disease in Remission. <i>Journal of Crohn's and Colitis</i> , 2020 , 14, 1547-1557	1.5	11
11	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. <i>Gut Microbes</i> , 2020 , 12, 1810530	8.8	9
10	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. <i>European Journal of Nutrition</i> , 2021 , 60, 3159-3170	5.2	9
9	Sex-Specific Differences in the Gut Microbiome in Response to Dietary Fiber Supplementation in IL-10-Deficient Mice. <i>Nutrients</i> , 2020 , 12,	6.7	7
8	The impact of epidermal growth factor supernatant on pig performance and ileal microbiota. <i>Translational Animal Science</i> , 2018 , 2, 184-194	1.4	5
7	The role of precision nutrition in the modulation of microbial composition and function in people with inflammatory bowel disease. <i>The Lancet Gastroenterology and Hepatology</i> , 2021 , 6, 754-769	18.8	5
6	Regulation of inducible nitric oxide synthase by arabinoxylans with molecular characterisation from wheat flour in cultured human monocytes. <i>International Journal of Food Science and Technology</i> , 2018 , 53, 1294-1302	3.8	2

5	397 Time Series and Correlation Network Analyses to Identify the Role of Maternal Microbiomes on Development of Piglet Gut Microbiome and Susceptibility to Neonatal Porcine Diarrhea.. <i>Journal of Animal Science</i> , 2018 , 96, 213-213	0.7	2
4	Noninvasive monitoring of fibre fermentation in healthy volunteers by analyzing breath volatile metabolites: lessons from the FiberTAG intervention study. <i>Gut Microbes</i> , 2021 , 13, 1-16	8.8	2
3	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber.. <i>Microbiome</i> , 2022 , 10, 77	16.6	2
2	Leisure-Time Physical Activity before and during Pregnancy Is Associated with Improved Insulin Resistance in Late Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
1	Breath volatile metabolome reveals the impact of dietary fibres on the gut microbiota: Proof of concept in healthy volunteers.. <i>EBioMedicine</i> , 2022 , 80, 104051	8.8	1