Zhengxiao Zhang

List of Publications by Year in Descending Order

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	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber.. *Microbiome*, **2022**, 10, 77	16.6	2
21	Breath volatile metabolome reveals the impact of dietary fibres on the gut microbiota: Proof of concept in healthy volunteers.. *EBioMedicine*, **2022**, 80, 104051	8.8	1
20	Leisure-Time Physical Activity before and during Pregnancy Is Associated with Improved Insulin Resistance in Late Pregnancy. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	1
19	Fecal microbial transplantation and fiber supplementation in patients with severe obesity and metabolic syndrome: a randomized double-blind, placebo-controlled phase 2 trial. *Nature Medicine*, **2021**, 27, 1272-1279	50.5	25
18	Noninvasive monitoring of fibre fermentation in healthy volunteers by analyzing breath volatile metabolites: lessons from the FiberTAG intervention study. *Gut Microbes*, **2021**, 13, 1-16	8.8	2
17	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. *European Journal of Nutrition*, **2021**, 60, 3159-3170	5.2	9
16	The role of precision nutrition in the modulation of microbial composition and function in people with inflammatory bowel disease. *The Lancet Gastroenterology and Hepatology*, **2021**, 6, 754-769	18.8	5
15	Precision Microbiome Modulation with Discrete Dietary Fiber Structures Directs Short-Chain Fatty Acid Production. *Cell Host and Microbe*, **2020**, 27, 389-404.e6	23.4	118
14	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. *Journal of Crohn's and Colitis*, **2020**, 14, 1547-1557	1.5	11
13	Sex-Specific Differences in the Gut Microbiome in Response to Dietary Fiber Supplementation in IL-10-Deficient Mice. *Nutrients*, **2020**, 12,	6.7	7
12	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. *Gut Microbes*, **2020**, 12, 1810530	8.8	9
11	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. *Microbiome*, **2020**, 8, 118	16.6	30
10	Not All Fibers Are Born Equal; Variable Response to Dietary Fiber Subtypes in IBD. *Frontiers in Pediatrics*, **2020**, 8, 620189	3.4	12
9	Impact of Fecal Microbiota Transplantation on Obesity and Metabolic Syndrome-A Systematic Review. *Nutrients*, **2019**, 11,	6.7	83
8	Feeding practice influences gut microbiome composition in very low birth weight preterm infants and the association with oxidative stress: A prospective cohort study. *Free Radical Biology and Medicine*, **2019**, 142, 146-154	7.8	23
7	Regulation of inducible nitric oxide synthase by arabinoxylans with molecular characterisation from wheat flour in cultured human monocytes. *International Journal of Food Science and Technology*, **2018**, 53, 1294-1302	3.8	2
6	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.. *Journal of Animal Science*, **2018**, 96, 213-213	0.7	2

5	The impact of epidermal growth factor supernatant on pig performance and ileal microbiota. *Translational Animal Science*, **2018**, 2, 184-194	1.4	5
4	Impact of xylanases on gut microbiota of growing pigs fed corn- or wheat-based diets. *Animal Nutrition*, **2018**, 4, 339-350	4.8	25
3	Comparison of DNA-, PMA-, and RNA-based 16S rRNA Illumina sequencing for detection of live bacteria in water. *Scientific Reports*, **2017**, 7, 5752	4.9	60
2	Characterization of Nitric Oxide Modulatory Activities of Alkaline-Extracted and Enzymatic-Modified Arabinoxylans from Corn Bran in Cultured Human Monocytes. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 8128-8137	5.7	14
1	Extraction and modification technology of arabinoxylans from cereal by-products: A critical review. *Food Research International*, **2014**, 65, 423-436	7	71