

# Hui-Lian Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,633  
citations

304743

22  
h-index

330143

37  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of gut-flora-dependent metabolite trimethylamine-N-oxide, betaine and choline with non-alcoholic fatty liver disease in adults. <i>Scientific Reports</i> , 2016, 6, 19076.	3.3	229
2	Trimethylamine N-oxide Aggravates Liver Steatosis through Modulation of Bile Acid Metabolism and Inhibition of Farnesoid X Receptor Signaling in Nonalcoholic Fatty Liver Disease. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900257.	3.3	129
3	Betaine attenuates hepatic steatosis by reducing methylation of the MTP promoter and elevating genomic methylation in mice fed a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 329-336.	4.2	108
4	Betaine supplement alleviates hepatic triglyceride accumulation of apolipoprotein E deficient mice via reducing methylation of peroxisomal proliferator-activated receptor alpha promoter. <i>Lipids in Health and Disease</i> , 2013, 12, 34.	3.0	83
5	Interpretable Machine Learning Framework Reveals Robust Gut Microbiome Features Associated With Type 2 Diabetes. <i>Diabetes Care</i> , 2021, 44, 358-366.	8.6	82
6	Serum copper and zinc levels at diagnosis and hepatocellular carcinoma survival in the Guangdong Liver Cancer Cohort. <i>International Journal of Cancer</i> , 2019, 144, 2823-2832.	5.1	61
7	Eating Habits and Lifestyles during the Initial Stage of the COVID-19 Lockdown in China: A Cross-Sectional Study. <i>Nutrients</i> , 2021, 13, 970.	4.1	59
8	The Association of Gut Microbiota With Osteoporosis Is Mediated by Amino Acid Metabolism: Multiomics in a Large Cohort. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3852-e3864.	3.6	59
9	Dietary Patterns and the Risk of Hip Fractures in Elderly Chinese: A Matched Case-Control Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 2347-2355.	3.6	56
10	Betaine supplementation attenuates atherosclerotic lesion in apolipoprotein E-deficient mice. <i>European Journal of Nutrition</i> , 2009, 48, 205-212.	3.9	46
11	Neck Circumference, along with Other Anthropometric Indices, Has an Independent and Additional Contribution in Predicting Fatty Liver Disease. <i>PLoS ONE</i> , 2015, 10, e0118071.	2.5	43
12	Gut microbiota-derived metabolite trimethylamine-N-oxide and multiple health outcomes: an umbrella review and updated meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 230-243.	4.7	36
13	Trimethylamine N-oxide, a gut microbiota-dependent metabolite of choline, is positively associated with the risk of primary liver cancer: a case-control study. <i>Nutrition and Metabolism</i> , 2018, 15, 81.	3.0	35
14	Profiling of phospholipid molecular species in human breast milk of Chinese mothers and comprehensive analysis of phospholipidomic characteristics at different lactation stages. <i>Food Chemistry</i> , 2021, 348, 129091.	8.2	35
15	Elevated Oxidative Damage in Kitchen Workers in Chinese Restaurants. <i>Journal of Occupational Health</i> , 2011, 53, 327-333.	2.1	29
16	Association of Hepatic Global DNA Methylation and Serum One-Carbon Metabolites with Histological Severity in Patients with NAFLD. <i>Obesity</i> , 2020, 28, 197-205.	3.0	29
17	Intensive low-glycaemic-load dietary intervention for the management of glycaemia and serum lipids among women with gestational diabetes: a randomized control trial. <i>Public Health Nutrition</i> , 2015, 18, 1506-1513.	2.2	27
18	Circulating trimethylamine N-oxide in association with diet and cardiometabolic biomarkers: an international pooled analysis. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1145-1156.	4.7	27

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19	Higher dietary intakes of choline and betaine are associated with a lower risk of primary liver cancer: a case-control study. <i>Scientific Reports</i> , 2017, 7, 679.	3.3	26
20	Effects of probiotic supplementation on serum trimethylamine-N-oxide level and gut microbiota composition in young males: a double-blinded randomized controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 747-758.	3.9	26
21	Amount Rather than Animal vs Plant Protein Intake Is Associated with Skeletal Muscle Mass in Community-Dwelling Middle-Aged and Older Chinese Adults: Results from the Guangzhou Nutrition and Health Study. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2019, 119, 1501-1510.	0.8	25
22	Serum Bioavailable, Rather Than Total, 25-Hydroxyvitamin D Levels Are Associated With Hepatocellular Carcinoma Survival. <i>Hepatology</i> , 2020, 72, 169-182.	7.3	25
23	Ox-LDL plays dual effect in modulating expression of inflammatory molecules through LOX-1 pathway in human umbilical vein endothelial cells. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 2585.	3.0	24
24	The Association between Dietary Vitamin A and Carotenes and the Risk of Primary Liver Cancer: A Case-Control Study. <i>Nutrients</i> , 2016, 8, 624.	4.1	22
25	A novel inflammation-based nomogram system to predict survival of patients with hepatocellular carcinoma. <i>Cancer Medicine</i> , 2018, 7, 5027-5035.	2.8	22
26	Higher homocysteine and lower betaine increase the risk of microangiopathy in patients with diabetes mellitus carrying the GC genotype of PEMT G774C. <i>Diabetes/Metabolism Research and Reviews</i> , 2013, 29, 607-617.	4.0	21
27	Adherence to the Chinese or American Dietary Guidelines is Associated with a Lower Risk of Primary Liver Cancer in China: A Case-Control Study. <i>Nutrients</i> , 2018, 10, 1113.	4.1	20
28	Daily Supplementation With Whey, Soy, or Whey-Soy Blended Protein for 6 Months Maintained Lean Muscle Mass and Physical Performance in Older Adults With Low Lean Mass. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021, 121, 1035-1048.e6.	0.8	15
29	Growth, Gastrointestinal Tolerance and Stool Characteristics of Healthy Term Infants Fed an Infant Formula Containing Hydrolyzed Whey Protein (63%) and Intact Casein (37%): A Randomized Clinical Trial. <i>Nutrients</i> , 2017, 9, 1254.	4.1	13
30	Low Levels of Serum $\beta$ -Carotene and $\beta$ -Carotene/Retinol Ratio Are Associated with Histological Severity in Nonalcoholic Fatty Liver Disease Patients. <i>Annals of Nutrition and Metabolism</i> , 2019, 74, 156-164.	1.9	13
31	Waist-to-Height Ratio Is a Better Predictor of Hyperuricemia than Body Mass Index and Waist Circumference in Chinese. <i>Annals of Nutrition and Metabolism</i> , 2019, 75, 187-194.	1.9	13
32	Prediagnostic dietary intakes of vitamin A and $\beta$ -carotene are associated with hepatocellular-carcinoma survival. <i>Food and Function</i> , 2020, 11, 759-767.	4.6	12
33	Prenatal choline supplementation attenuates spatial learning deficits of offspring rats exposed to low-protein diet during fetal period. <i>Journal of Nutritional Biochemistry</i> , 2016, 32, 163-170.	4.2	11
34	Associations of circulating choline and its related metabolites with cardiometabolic biomarkers: an international pooled analysis. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 893-906.	4.7	11
35	Fruit consumption and multiple health outcomes: An umbrella review. <i>Trends in Food Science and Technology</i> , 2021, 118, 505-518.	15.1	11
36	Lactational Changes of Phospholipids Content and Composition in Chinese Breast Milk. <i>Nutrients</i> , 2022, 14, 1539.	4.1	11

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37	Serum betaine is inversely associated with low lean mass mainly in men in a Chinese middle-aged and elderly community-dwelling population. <i>British Journal of Nutrition</i> , 2016, 115, 2181-2188.	2.3	10
38	Dietary iron intake and the risk of type 2 diabetes mellitus in middle-aged and older adults in urban China: a prospective cohort study. <i>British Journal of Nutrition</i> , 2021, 126, 1091-1099.	2.3	10
39	Effects and mechanisms of natural products on Alzheimer's disease. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3168-3188.	10.3	10
40	High dietary inflammatory index scores are associated with an elevated risk of hepatocellular carcinoma in a case-control study. <i>Food and Function</i> , 2018, 9, 5832-5842.	4.6	9
41	Serum choline is associated with hepatocellular carcinoma survival: a prospective cohort study. <i>Nutrition and Metabolism</i> , 2020, 17, 25.	3.0	9
42	High serum fibroblast growth factor 21 is associated with inferior hepatocellular carcinoma survival: A prospective cohort study. <i>Liver International</i> , 2022, 42, 663-673.	3.9	9
43	Association of dietary fat intake with the risk of hip fractures in an elderly Chinese population: A matched case-control study. <i>Geriatrics and Gerontology International</i> , 2015, 15, 1171-1178.	1.5	8
44	Dietary betaine intake is associated with skeletal muscle mass change over 3 years in middle-aged adults: the Guangzhou Nutrition and Health Study. <i>British Journal of Nutrition</i> , 2021, 125, 440-447.	2.3	8
45	Serum folate concentrations at diagnosis are associated with hepatocellular carcinoma survival in the Guangdong Liver Cancer Cohort study. <i>British Journal of Nutrition</i> , 2019, 121, 1376-1388.	2.3	7
46	Association between dietary patterns and prognosis of hepatocellular carcinoma in the Guangdong liver cancer cohort study. <i>Hepatology Research</i> , 2020, 50, 1164-1175.	3.4	7
47	Red blood cell count has an independent contribution to the prediction of ultrasonography-diagnosed fatty liver disease. <i>PLoS ONE</i> , 2017, 12, e0172027.	2.5	7
48	Associations between Serum Betaine, Methyl-Metabolizing Genetic Polymorphisms and Risk of Incident Type 2 Diabetes: A Prospective Cohort Study in Community-Dwelling Chinese Adults. <i>Nutrients</i> , 2022, 14, 362.	4.1	7
49	Dietary patterns and primary liver cancer in Chinese adults: a case-control study. <i>Oncotarget</i> , 2018, 9, 27872-27881.	1.8	5
50	Association between serum choline and betaine concentrations and longitudinal changes of body composition in community-dwelling middle-aged and older Chinese adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 737-744.	1.9	5
51	Dietary choline, rather than betaine intake, is associated with hepatocellular carcinoma mortality. <i>Food and Function</i> , 2020, 11, 7866-7877.	4.6	5
52	Betaine Delayed Muscle Loss by Attenuating Samtor Complex Inhibition for mTORC1 Signaling Via Increasing SAM Level. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100157.	3.3	5
53	Protocol of a multicenter, single-blind, randomised, parallel controlled feeding trial evaluating the effect of a Chinese Healthy Heart (CHH) diet in lowering blood pressure and other cardiovascular risk factors. <i>BMJ Open</i> , 2020, 10, e036394.	1.9	4
54	n-3 Polyunsaturated fatty acids enhance the antitumor effect of 5-fluorouracil by inhibiting bcl-2 and mutant-p53. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 1483-1491.	1.5	3

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55	No effect of 6-month supplementation with 300Âmg/d docosahexaenoic acid on executive functions among healthy school-aged children: a randomized, double-blind, placebo-controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 1985-1997.	3.9	3
56	The Co-occurrence of Chronic Hepatitis B and Fibrosis Is Associated With a Decrease in Hepatic Global DNA Methylation Levels in Patients With Non-alcoholic Fatty Liver Disease. <i>Frontiers in Genetics</i> , 2021, 12, 671552.	2.3	3
57	Dietary protein and prognosis of hepatocellular carcinoma: a prospective cohort study. <i>Food and Function</i> , 2021, 12, 11568-11576.	4.6	2
58	Carotenoid Profile in Maternal/Cord Plasma and Changes in Breast Milk along Lactation and Its Association with Dietary Intake: A Longitudinal Study in a Coastal City in Southern China. <i>Nutrients</i> , 2022, 14, 1989.	4.1	1
59	Reply. <i>Hepatology</i> , 2022, 75, 491-492.	7.3	0