

# Wei-Kai Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,136  
citations

471061

17  
h-index

433756

31  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of TMAO-producer phenotype and host "diet" gut dysbiosis by carnitine challenge test in human and germ-free mice. <i>Gut</i> , 2019, 68, 1439-1449.	6.1	108
2	Optimization of fecal sample processing for microbiome study " The journey from bathroom to bench. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 545-555.	0.8	107
3	Clinical manifestations, course, and outcome of patients with neutralizing anti-interferon- $\beta$ autoantibodies and disseminated nontuberculous mycobacterial infections. <i>Medicine (United States)</i> , 2016, 95, e3927.	0.4	97
4	Oxidative Stress and Antioxidants in Atherosclerosis Development and Treatment. <i>Biology</i> , 2020, 9, 60.	1.3	68
5	Signaling Pathways and Key Genes Involved in Regulation of foam Cell Formation in Atherosclerosis. <i>Cells</i> , 2020, 9, 584.	1.8	67
6	Evaluation and Optimization of Sample Handling Methods for Quantification of Short-Chain Fatty Acids in Human Fecal Samples by GC-MS. <i>Journal of Proteome Research</i> , 2019, 18, 1948-1957.	1.8	61
7	Dietary allicin reduces transformation of L-carnitine to TMAO through impact on gut microbiota. <i>Journal of Functional Foods</i> , 2015, 15, 408-417.	1.6	55
8	Diet Supplementation with Allicin Protects against Alcoholic Fatty Liver Disease in Mice by Improving Anti-inflammation and Antioxidative Functions. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7104-7113.	2.4	46
9	Characterization of TMAO productivity from carnitine challenge facilitates personalized nutrition and microbiome signatures discovery. <i>Microbiome</i> , 2020, 8, 162.	4.9	35
10	The Gut Metabolite Trimethylamine N-oxide Is Associated With Parkinson's Disease Severity and Progression. <i>Movement Disorders</i> , 2020, 35, 2115-2116.	2.2	30
11	Atherosclerosis amelioration by allicin in raw garlic through gut microbiota and trimethylamine-N-oxide modulation. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 4.	2.9	29
12	Involvement of Oxidative Stress and the Innate Immune System in SARS-CoV-2 Infection. <i>Diseases (Basel)</i> , 2022, 10, 28.	1.0	28
13	Allicin Modifies the Composition and Function of the Gut Microbiota in Alcoholic Hepatic Steatosis Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3088-3098.	2.4	26
14	Comparison of DNA stabilizers and storage conditions on preserving fecal microbiota profiles. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 1791-1798.	0.8	23
15	Autophagy and Mitophagy as Essential Components of Atherosclerosis. <i>Cells</i> , 2021, 10, 443.	1.8	23
16	Differences in the gut microbiome and reduced fecal butyrate in elders with low skeletal muscle mass. <i>Clinical Nutrition</i> , 2022, 41, 1491-1500.	2.3	23
17	Gut microbiome: A possible common therapeutic target for treatment of atherosclerosis and cancer. <i>Seminars in Cancer Biology</i> , 2021, 70, 85-97.	4.3	21
18	A Novel Insight at Atherogenesis: The Role of Microbiome. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 586189.	1.8	19

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19	Sialylated Immunoglobulins for the Treatment of Immuno-Inflammatory Diseases. International Journal of Molecular Sciences, 2020, 21, 5472.	1.8	19
20	Development of an Efficient and Sensitive Chemical Derivatization-Based LC-MS/MS Method for Quantifying Gut Microbiota-Derived Metabolites in Human Plasma and Its Application in Studying Cardiovascular Disease. Journal of Proteome Research, 2021, 20, 3508-3518.	1.8	19
21	<i>Gastrodia elata</i> Blume water extract modulates neurotransmitters and alters the gut microbiota in a mild social defeat stress-induced depression mouse model. Phytotherapy Research, 2021, 35, 5133-5142.	2.8	19
22	Role of Phagocytosis in the Pro-Inflammatory Response in LDL-Induced Foam Cell Formation; a Transcriptome Analysis. International Journal of Molecular Sciences, 2020, 21, 817.	1.8	17
23	An Exploratory Study for the Association of Gut Microbiome with Efficacy of Immune Checkpoint Inhibitor in Patients with Hepatocellular Carcinoma. Journal of Hepatocellular Carcinoma, 2021, Volume 8, 809-822.	1.8	17
24	Mutual Interplay of Host Immune System and Gut Microbiota in the Immunopathology of Atherosclerosis. International Journal of Molecular Sciences, 2020, 21, 8729.	1.8	16
25	Signaling Pathways Potentially Responsible for Foam Cell Formation: Cholesterol Accumulation or Inflammatory Response? What is First?. International Journal of Molecular Sciences, 2020, 21, 2716.	1.8	16
26	Modulation of gut microbiota by foods and herbs to prevent cardiovascular diseases. Journal of Traditional and Complementary Medicine, 2023, 13, 107-118.	1.5	15
27	Comparison of radiological measures for diagnosing flatfoot. Acta Radiologica, 2012, 53, 192-196.	0.5	14
28	Microbiota-Associated Therapy for Non-Alcoholic Steatohepatitis-Induced Liver Cancer: A Review. International Journal of Molecular Sciences, 2020, 21, 5999.	1.8	13
29	Lipid-based gene delivery to macrophage mitochondria for atherosclerosis therapy. Pharmacology Research and Perspectives, 2020, 8, e00584.	1.1	13
30	Lipids and Lipoproteins in Health and Disease: Focus on Targeting Atherosclerosis. Biomedicines, 2021, 9, 985.	1.4	13
31	Atherosclerosis as Mitochondriopathy: Repositioning the Disease to Help Finding New Therapies. Frontiers in Cardiovascular Medicine, 2021, 8, 660473.	1.1	12
32	Contribution of Neurotrophins to the Immune System Regulation and Possible Connection to Alcohol Addiction. Biology, 2020, 9, 63.	1.3	11
33	Dietary Exposure to Antibiotic Residues Facilitates Metabolic Disorder by Altering the Gut Microbiota and Bile Acid Composition. MSystems, 2022, 7, .	1.7	9
34	Measurement of gut microbial metabolites in cardiometabolic health and translational research. Rapid Communications in Mass Spectrometry, 2020, 34, e8537.	0.7	8
35	Pandemic preparedness in Taiwan. Nature Biotechnology, 2020, 38, 932-933.	9.4	8
36	Mining Gut Microbiota From Bariatric Surgery for MAFLD. Frontiers in Endocrinology, 2021, 12, 612946.	1.5	5

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37	The role of sialic acids in the initiation of atherosclerosis. <i>Minerva Cardioangiologica</i> , 2020, 68, 359-364.	1.2	5
38	Prospects for the Use of Sialidase Inhibitors in Anti-atherosclerotic Therapy. <i>Current Medicinal Chemistry</i> , 2021, 28, 2438-2450.	1.2	4
39	Acute respiratory distress syndrome or pulmonary oedema?. <i>Thorax</i> , 2015, 70, 511-511.	2.7	3
40	Response to the letter: Identification of trimethylamine N-oxide (TMAO)-producer phenotype is interesting, but is it helpful?. <i>Gut</i> , 2020, 69, 610-611.	6.1	2
41	Cardiovascular Disease Protective Effect of Allicin Through Gut Microbiota Modulation (FS07-08-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz040.FS07-08-19.	0.1	1
42	Carotid Atherosclerosis Progression in Postmenopausal Women Receiving a Mixed Phytoestrogen Regimen: Plausible Parallels with Kronos Early Estrogen Replacement Study. <i>Biology</i> , 2020, 9, 48.	1.3	1
43	Massive Left Pleural Effusion After Endoscopic Variceal Therapy. <i>American Journal of Gastroenterology</i> , 2016, 111, 455.	0.2	0
44	The Protective Effect of Garlic Essential Oil in Carnitine-Induced Cardiovascular Disease apoE <sup>-/-</sup> Mice Model. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa062_029.	0.1	0
45	Clinical Effectiveness of a Combination of Black Elder Berries, Violet Herb, and Calendula Flowers in Chronic Obstructive Pulmonary Disease: The Results of a Double-Blinded Placebo-Controlled Study. <i>Biology</i> , 2020, 9, 83.	1.3	0