

TMAO as a biomarker of cardiovascular events: a system

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Gut Microbiome and Diet. , 2021, , 12-12.		0
2	Association of Urinary and Plasma Levels of Trimethylamine N-Oxide (TMAO) with Foods. <i>Nutrients</i> , 2021, 13, 1426.	4.1	20
3	Alzheimer's disease and gut microbiota: does trimethylamine N-oxide (TMAO) play a role?. <i>Nutrition Reviews</i> , 2022, 80, 271-281.	5.8	24
4	Targeting TMAO and its metabolic pathway for cardiovascular diseases treatment. <i>Journal of Diabetes and Metabolic Disorders</i> , 2021, 20, 1095-1097.	1.9	3
5	Circulating trimethylamine N-oxide is associated with all-cause mortality in subjects with nonalcoholic fatty liver disease. <i>Liver International</i> , 2021, 41, 2371-2382.	3.9	31
6	The impact of gut microbiota metabolites on cellular bioenergetics and cardiometabolic health. <i>Nutrition and Metabolism</i> , 2021, 18, 72.	3.0	24
7	Vascular endothelial tissue factor contributes to trimethylamine N-oxide-enhanced arterial thrombosis. <i>Cardiovascular Research</i> , 2022, 118, 2367-2384.	3.8	45
8	Liquid Chromatography-Mass Spectrometry for Clinical Metabolomics: An Overview. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1336, 179-213.	1.6	3
9	Redox Processes in the Etiopathogenesis of Cerebrovascular Diseases. <i>Healthy Ageing and Longevity</i> , 2022, , 369-384.	0.2	0
10	The Influence of Animal- or Plant-Based Diets on Blood and Urine Trimethylamine-N-Oxide (TMAO) Levels in Humans. <i>Current Nutrition Reports</i> , 2022, 11, 56-68.	4.3	15
11	Proteomics-Based Identification of Interaction Partners of the Xenobiotic Detoxification Enzyme FMO3 Reveals Involvement in Urea Cycle. <i>Toxics</i> , 2022, 10, 60.	3.7	1
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	The microbial gbu gene cluster links cardiovascular disease risk associated with red meat consumption to microbiota l-carnitine catabolism. <i>Nature Microbiology</i> , 2022, 7, 73-86.	13.3	36
14	Metabolomics analysis of human plasma reveals decreased production of trimethylamine N-oxide retards the progression of chronic kidney disease. <i>British Journal of Pharmacology</i> , 2022, 179, 4344-4359.	5.4	15
15	Association of Trimethylamine N-Oxide and Metabolites With Mortality in Older Adults. <i>JAMA Network Open</i> , 2022, 5, e2213242.	5.9	13
17	Classification of trimethylamine-N-oxide, a cardiometabolic disease biomarker, by Raman spectroscopy and support vector machines. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 365401.	2.8	2
18	Gut Microbiota-Derived Metabolites and Cardiovascular Disease Risk: A Systematic Review of Prospective Cohort Studies. <i>Nutrients</i> , 2022, 14, 2654.	4.1	19
19	Gut Microbiota and Sex Hormones: Crosstalking Players in Cardiometabolic and Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7154.	4.1	10

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20	The Role of Gut and Airway Microbiota in Pulmonary Arterial Hypertension. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	2
21	Guanxinling Tablet Attenuates Coronary Atherosclerosis via Regulating the Gut Microbiota and Their Metabolites in Tibetan Minipigs Induced by a High-Fat Diet. <i>Journal of Immunology Research</i> , 2022, 2022, 1-23.	2.2	5
22	Heterogeneity of non-alcoholic fatty liver disease (NAFLD): Implication for cardiovascular risk stratification. <i>Atherosclerosis</i> , 2022, 357, 51-59.	0.8	13
23	Influence of Trimethylamine N-Oxide on Platelet Activation. <i>Nutrients</i> , 2022, 14, 3261.	4.1	4
24	Physiopathological mechanisms involved in the development of hypertension associated with gut dysbiosis and the effect of nutritional/pharmacological interventions. <i>Biochemical Pharmacology</i> , 2022, 204, 115213.	4.4	4
25	Gastrointestinal Microbiome and Multiple Health Outcomes: Umbrella Review. <i>Nutrients</i> , 2022, 14, 3726.	4.1	10
26	The Skin and Gut Microbiome in Hidradenitis Suppurativa: Current Understanding and Future Considerations for Research and Treatment. <i>American Journal of Clinical Dermatology</i> , 2022, 23, 841-852.	6.7	8
27	Gut Microbial Metabolite Trimethylamine-N-Oxide and its Role in Cardiovascular Diseases. , 0, , .		0
28	Positive Association of Plasma Trimethylamine-N-Oxide and Atherosclerosis in Patient with Acute Coronary Syndrome. <i>Cardiovascular Therapeutics</i> , 2022, 2022, 1-9.	2.5	2
29	The Role of the Gut Microbiota in the Relationship Between Diet and Human Health. <i>Annual Review of Physiology</i> , 2023, 85, 449-468.	13.1	44
30	Association between the Changes in Trimethylamine N-Oxide-Related Metabolites and Prognosis of Patients with Acute Myocardial Infarction: A Prospective Study. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 380.	1.6	3
31	Trimethylamine N-Oxide as a Potential Risk Factor for Non-communicable Diseases: A Systematic Review. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2023, 23, 617-632.	1.2	2
32	Systematic analysis of relationships between plasma branched-chain amino acid concentrations and cardiometabolic parameters: an association and Mendelian randomization study. <i>BMC Medicine</i> , 2022, 20, .	5.5	4
33	Relationship between gut microbiota and vascular calcification in hemodialysis patients. <i>Renal Failure</i> , 2023, 45, .	2.1	5
34	Analysis of gut microbiota in patients with acute myocardial infarction by 16S rRNA sequencing. <i>Annals of Translational Medicine</i> , 2022, 10, 1340-1340.	1.7	3
35	Trimethylamine N-oxide (TMAO) in patients with subarachnoid hemorrhage: a prospective observational study. <i>Acta Neurochirurgica</i> , 2023, 165, 1277-1287.	1.7	1
36	Crosstalk between Gut Microbiota and Host Immunity: Impact on Inflammation and Immunotherapy. <i>Biomedicines</i> , 2023, 11, 294.	3.2	31
37	Contractile effect of trimethylamine and trimethylamineâ€œoxide on isolated human umbilical arteries. <i>Journal of Obstetrics and Gynaecology Research</i> , 2023, 49, 1736-1742.	1.3	0

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39	Restoring polyamine levels by supplementation of spermidine modulates hepatic immune landscape in murine model of NASH. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2023, 1869, 166697.	3.8	1
40	Dietary patterns and cardiometabolic health: Clinical evidence and mechanism. <i>MedComm</i> , 2023, 4, .	7.2	8
41	The gut microbial metabolite trimethylamine N-oxide and cardiovascular diseases. <i>Frontiers in Endocrinology</i> , 0, 14, .	3.5	16
42	Nonalcoholic Fatty Liver Disease and Cardiovascular Disease: Causation or Association. <i>Cardiology in Review</i> , 0, Publish Ahead of Print, .	1.4	1
43	Gut microbiota dependant trimethylamine N-oxide and hypertension. <i>Frontiers in Physiology</i> , 0, 14, .	2.8	8
44	Omics biomarkers and an approach for their practical implementation to delineate health status for personalized nutrition strategies. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-29.	10.3	6
45	Familial Hypercholesterolemia and Acute Coronary Syndromes: The Microbiotaâ€“Immunity Axis in the New Diagnostic and Prognostic Frontiers. <i>Pathogens</i> , 2023, 12, 627.	2.8	2
46	Association of choline and betaine with the risk of cardiovascular disease and allâ€“cause mortality: Metaâ€“analysis. <i>European Journal of Clinical Investigation</i> , 0, , .	3.4	0
47	Metabolic-Associated Fatty Liver Disease and Insulin Resistance: A Review of Complex Interlinks. <i>Metabolites</i> , 2023, 13, 757.	2.9	1
49	Trimethylamine N-Oxide (TMAO) Inducing Endothelial Injury: UPLC-MS/MS-Based Quantification and the Activation of Cathepsin B-Mediated NLRP3 Inflammasome. <i>Molecules</i> , 2023, 28, 3817.	3.8	0
50	The association of soluble cluster of differentiation 36 with metabolic diseases: A potential biomarker and therapeutic target. , 2023, 1, .		0
51	Targeting the Gut Microbiota in Kidney Disease: The Future in Renal Nutrition and Metabolism. , 2023, 33, S30-S39.		2
52	Serological short-chain fatty acid and trimethylamine N-oxide microbial metabolite imbalances in young adults with acute myocardial infarction. <i>Heliyon</i> , 2023, 9, e20854.	3.2	0
53	Trimethylamine N-oxide promotes oxidative stress and lipid accumulation in macrophage foam cells via the Nrf2/ABCA1 pathway. <i>Journal of Physiology and Biochemistry</i> , 0, , .	3.0	1
54	Plasma Metabolome Analysis Suggests That L-Arginine Supplementation Affects Microbial Activity Resulting in a Decrease in Trimethylamine N-oxideâ€“A Randomized Controlled Trial in Healthy Overweight Adults with Cardiometabolic Risk Factors. <i>Current Developments in Nutrition</i> , 2023, 7, 102038.	0.3	0
55	Cardiovascular risk of dietary trimethylamine oxide precursors and the therapeutic potential of resveratrol and its derivatives. <i>FEBS Open Bio</i> , 2024, 14, 358-379.	2.3	0
56	Cardioprotective effects of <i>Ganoderma atrum</i> polysaccharide in a type 2 diabetes mellitus involvement with gut-derived metabolites and NLRP3 inflammasome. <i>Journal of Functional Foods</i> , 2024, 112, 105991.	3.4	0
57	Effect of TMAO on the incidence and prognosis of cerebral infarction: a systematic review and meta-analysis. <i>Frontiers in Neurology</i> , 0, 14, .	2.4	0

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58	Evaluation of the Feasibility of In Vitro Metabolic Interruption of Trimethylamine with Resveratrol Butyrate Esters and Its Purified Monomers. <i>Molecules</i> , 2024, 29, 429.	3.8	0
59	Precision prognostics for cardiovascular disease in Type 2 diabetes: a systematic review and meta-analysis. <i>Communications Medicine</i> , 2024, 4, .	4.2	0
61	Nutritional Approaches Targeting Gut Microbiota in Oxidative-Stress-Associated Metabolic Syndrome: Focus on Early Life Programming. <i>Nutrients</i> , 2024, 16, 683.	4.1	0