Fumiaki Imamura

List of Publications by Year
in descending order

104 papers	10,826 citations	57758 44 h-index	32842 100 g-index
109 all docs	109 docs citations	109 times ranked	16405 citing authors

#	Article	IF	Citations
1	Association Between Dietary Factors and Mortality From Heart Disease, Stroke, and Type 2 Diabetes in the United States. JAMA - Journal of the American Medical Association, 2017, 317, 912.	7.4	764
2	Consumption of sugar sweetened beverages, artificially sweetened beverages, and fruit juice and incidence of type 2 diabetes: systematic review, meta-analysis, and estimation of population attributable fraction. BMJ, The, 2015, 351, h3576.	6.0	664
3	The obesity transition: stages of the global epidemic. Lancet Diabetes and Endocrinology,the, 2019, 7, 231-240.	11.4	662
4	Dietary quality among men and women in 187 countries in 1990 and 2010: a systematic assessment. The Lancet Global Health, 2015, 3, e132-e142.	6.3	557
5	Consumption of sugar sweetened beverages, artificially sweetened beverages, and fruit juice and incidence of type 2 diabetes: systematic review, meta-analysis, and estimation of population attributable fraction. British Journal of Sports Medicine, 2016, 50, 496-504.	6.7	463
6	Systematic Review and Meta-Analysis of Methotrexate Use and Risk of Cardiovascular Disease. American Journal of Cardiology, 2011, 108, 1362-1370.	1.6	448
7	Differences in the prospective association between individual plasma phospholipid saturated fatty acids and incident type 2 diabetes: the EPIC-InterAct case-cohort study. Lancet Diabetes and Endocrinology,the, 2014, 2, 810-818.	11.4	431
8	Consumption of ultra-processed foods and obesity in Brazilian adolescents and adults. Preventive Medicine, 2015, 81, 9-15.	3.4	419
9	Fruit consumption and risk of type 2 diabetes: results from three prospective longitudinal cohort studies. BMJ, The, 2013, 347, f5001-f5001.	6.0	373
10	Effects of Saturated Fat, Polyunsaturated Fat, Monounsaturated Fat, and Carbohydrate on Glucose-Insulin Homeostasis: A Systematic Review and Meta-analysis of Randomised Controlled Feeding Trials. PLoS Medicine, 2016, 13, e1002087.	8.4	327
11	Ï‰-3 Polyunsaturated Fatty Acid Biomarkers and Coronary Heart Disease. JAMA Internal Medicine, 2016, 176, 1155.	5.1	326
12	Genetic Predisposition to an Impaired Metabolism of the Branched-Chain Amino Acids and Risk of Type 2 Diabetes: A Mendelian Randomisation Analysis. PLoS Medicine, 2016, 13, e1002179.	8.4	324
13	Omega-3 fatty acids and incident type 2 diabetes: a systematic review and meta-analysis. British Journal of Nutrition, 2012, 107, S214-S227.	2.3	293
14	Circulating and dietary magnesium and risk of cardiovascular disease: a systematic review and meta-analysis of prospective studies. American Journal of Clinical Nutrition, 2013, 98, 160-173.	4.7	273
15	A Meta-Analysis of Food Labeling Effects on Consumer Diet Behaviors and Industry Practices. American Journal of Preventive Medicine, 2019, 56, 300-314.	3.0	215
16	Omega-6 fatty acid biomarkers and incident type 2 diabetes: pooled analysis of individual-level data for 39â€ˆ740 adults from 20 prospective cohort studies. Lancet Diabetes and Endocrinology,the, 2017, 5, 965-974.	11.4	213
17	Acute effect of oral phosphate loading on serum fibroblast growth factor 23 levels in healthy men. Kidney International, 2006, 70, 2141-2147.	5.2	208
18	Biomarkers of Dietary Omega-6 Fatty Acids and Incident Cardiovascular Disease and Mortality. Circulation, 2019, 139, 2422-2436.	1.6	199

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19	Association between circulating 25-hydroxyvitamin D and incident type 2 diabetes: a mendelian randomisation study. Lancet Diabetes and Endocrinology,the, 2015, 3, 35-42.	11.4	164
20	Association of Plasma Phospholipid n-3 and n-6 Polyunsaturated Fatty Acids with Type 2 Diabetes: The EPIC-InterAct Case-Cohort Study. PLoS Medicine, 2016, 13, e1002094.	8.4	150
21	Fatty acid biomarkers of dairy fat consumption and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. PLoS Medicine, 2018, 15, e1002670.	8.4	143
22	Prospective association of the Mediterranean diet with cardiovascular disease incidence and mortality and its population impact in a non-Mediterranean population: the EPIC-Norfolk study. BMC Medicine, 2016, 14, 135.	5.5	141
23	Contribution of Major Lifestyle Risk Factors for Incident Heart Failure in Older Adults. JACC: Heart Failure, 2015, 3, 520-528.	4.1	134
24	Blood n-3 fatty acid levels and total and cause-specific mortality from 17 prospective studies. Nature Communications, 2021, 12, 2329.	12.8	132
25	Prospective associations and population impact of sweet beverage intake and type 2 diabetes, and effects of substitutions with alternative beverages. Diabetologia, 2015, 58, 1474-1483.	6.3	121
26	A cross-platform approach identifies genetic regulators of human metabolism and health. Nature Genetics, 2021, 53, 54-64.	21.4	117
27	Assessing global dietary habits: a comparison of national estimatesfrom the FAO and the Global Dietary Database. American Journal of Clinical Nutrition, 2015, 101, 1038-1046.	4.7	105
28	Preventable Cancer Burden Associated With Poor Diet in the United States. JNCI Cancer Spectrum, 2019, 3, pkz034.	2.9	95
29	Fatty acids in the de novo lipogenesis pathway and risk of coronary heart disease: the Cardiovascular Health Study. American Journal of Clinical Nutrition, 2011, 94, 431-438.	4.7	94
30	Assessing the causal association of glycine with risk of cardio-metabolic diseases. Nature Communications, 2019, 10, 1060.	12.8	85
31	Hepatic steatosis risk is partly driven by increased de novo lipogenesis following carbohydrate consumption. Genome Biology, 2018, 19, 79.	8.8	83
32	Genomic analysis of diet composition finds novel loci and associations with health and lifestyle. Molecular Psychiatry, 2021, 26, 2056-2069.	7.9	79
33	Association of plasma biomarkers of fruit and vegetable intake with incident type 2 diabetes: EPIC-InterAct case-cohort study in eight European countries. BMJ, The, 2020, 370, m2194.	6.0	75
34	Dietary cost associated with adherence to the Mediterranean diet, and its variation by socio-economic factors in the UK Fenland Study. British Journal of Nutrition, 2018, 119, 685-694.	2.3	72
35	Plasma Vitamin C and Type 2 Diabetes: Genome-Wide Association Study and Mendelian Randomization Analysis in European Populations. Diabetes Care, 2021, 44, 98-106.	8.6	68
36	Generalizability of dietary patterns associated with incidence of type 2 diabetes mellitus. American Journal of Clinical Nutrition, 2009, 90, 1075-1083.	4.7	67

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37	Long-Chain Monounsaturated Fatty Acids and Incidence of Congestive Heart Failure in 2 Prospective Cohorts. Circulation, 2013, 127, 1512-1521.	1.6	64
38	Validity and reliability of an online self-report 24-h dietary recall method (Intake24): a doubly labelled water study and repeated-measures analysis. Journal of Nutritional Science, 2019, 8, e29.	1.9	62
39	A combination of plasma phospholipid fatty acids and its association with incidence of type 2 diabetes: The EPIC-InterAct case-cohort study. PLoS Medicine, 2017, 14, e1002409.	8.4	61
40	The associations of major foods and fibre with risks of ischaemic and haemorrhagic stroke: a prospective study of 418Â329 participants in the EPIC cohort across nine European countries. European Heart Journal, 2020, 41, 2632-2640.	2.2	60
41	Intakes and sources of dietary sugars and their association with metabolic and inflammatory markers. Clinical Nutrition, 2018, 37, 1313-1322.	5.0	56
42	Genomeâ€“wide association study for risk taking propensity indicates shared pathways with body mass index. Communications Biology, 2018, 1, 36.	4.4	54
43	Rice consumption and risk of cardiovascular disease: results from a pooled analysis of 3 U.S. cohorts. American Journal of Clinical Nutrition, 2015, 101, 164-172.	4.7	53
44	Risk Factors for Type 2 Diabetes Mellitus Preceded by Î²-Cell Dysfunction, Insulin Resistance, or Both in Older Adults. American Journal of Epidemiology, 2013, 177, 1418-1429.	3.4	52
45	n-3 Fatty Acid Biomarkers and Incident Type 2 Diabetes: An Individual Participant-Level Pooling Project of 20 Prospective Cohort Studies. Diabetes Care, 2021, 44, 1133-1142.	8.6	50
46	Association between plasma phospholipid saturated fatty acids and metabolic markers of lipid, hepatic, inflammation and glycaemic pathways in eight European countries: a cross-sectional analysis in the EPIC-InterAct study. BMC Medicine, 2017, 15, 203.	5.5	47
47	Interaction between genes and macronutrient intake on the risk of developing type 2 diabetes: systematic review and findings from European Prospective Investigation into Cancer (EPIC)-InterAct. American Journal of Clinical Nutrition, 2017, 106, 263-275.	4.7	46
48	The association between circulating 25-hydroxyvitamin D metabolites and type 2 diabetes in European populations: AÂmeta-analysis and Mendelian randomisation analysis. PLoS Medicine, 2020, 17, e1003394.	8.4	45
49	Plasma Phospholipid <i>Trans</i> â€Fatty Acids Levels, Cardiovascular Diseases, and Total Mortality: The Cardiovascular Health Study. Journal of the American Heart Association, 2014, 3, .	3.7	43
50	The association between adherence to the Mediterranean diet and hepatic steatosis: cross-sectional analysis of two independent studies, the UK Fenland Study and the Swiss CoLaus Study. BMC Medicine, 2019, 17, 19.	5.5	42
51	Adherence to 2005 Dietary Guidelines for Americans is associated with a reduced progression of coronary artery atherosclerosis in women with established coronary artery disease. American Journal of Clinical Nutrition, 2009, 90, 193-201.	4.7	39
52	Associations of circulating very-long-chain saturated fatty acids and incident type 2 diabetes: a pooled analysis of prospective cohort studies. American Journal of Clinical Nutrition, 2019, 109, 1216-1223.	4.7	39
53	Circulating and Dietary <i>Trans</i> Fatty Acids and Incident Type 2 Diabetes in Older Adults: The Cardiovascular Health Study. Diabetes Care, 2015, 38, 1099-1107.	8.6	38
54	Fatty acids in the de novo lipogenesis pathway and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. PLoS Medicine, 2020, 17, e1003102.	8.4	38

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55	Confounding by Dietary Patterns of the Inverse Association Between Alcohol Consumption and Type 2 Diabetes Risk. American Journal of Epidemiology, 2009, 170, 37-45.	3.4	37
56	Physical Activity, Physical Fitness, and Leukocyte Telomere Length. Medicine and Science in Sports and Exercise, 2015, 47, 2525-2534.	0.4	37
57	The associations of longitudinal changes in consumption of total and types of dairy products and markers of metabolic risk and adiposity: findings from the European Investigation into Cancer and Nutrition (EPIC)â€"Norfolk study, United Kingdom. American Journal of Clinical Nutrition, 2020, 111, 1018-1026.	4.7	37
58	New Diabetes Diagnostic Threshold of Hemoglobin A1c and the 3-Year Incidence of Retinopathy. Diabetes, 2012, 61, 3280-3284.	0.6	36
59	Sociodemographic, lifestyle and behavioural factors associated with consumption of sweetened beverages among adults in Cambridgeshire, UK: the Fenland Study. Public Health Nutrition, 2017, 20, 2766-2777.	2.2	35
60	Replacement of Red and Processed Meat With Other Food Sources of Protein and the Risk of Type 2 Diabetes in European Populations: The EPIC-InterAct Study. Diabetes Care, 2020, 43, 2660-2667.	8.6	35
61	Serum metabolomics profiles in response to n-3 fatty acids in Chinese patients with type 2 diabetes: a double-blind randomised controlled trial. Scientific Reports, 2016, 6, 29522.	3.3	34
62	Erythrocyte n-6 Polyunsaturated Fatty Acids, Gut Microbiota, and Incident Type 2 Diabetes: A Prospective Cohort Study. Diabetes Care, 2020, 43, 2435-2443.	8.6	32
63	Relationship Between Physical Activity and Chronic Musculoskeletal Pain Among Community-Dwelling Japanese Adults. Journal of Epidemiology, 2014, 24, 474-483.	2.4	29
64	Dairy Product Intake and Risk of Type 2 Diabetes in EPIC-InterAct: A Mendelian Randomization Study. Diabetes Care, 2019, 42, 568-575.	8.6	29
65	A Combination of Metabolites Predicts Adherence to the Mediterranean Diet Pattern and Its Associations with Insulin Sensitivity and Lipid Homeostasis in the General Population: The Fenland Study, United Kingdom. Journal of Nutrition, 2020, 150, 568-578.	2.9	29
66	Dietary Fatty Acids, Macronutrient Substitutions, Food Sources and Incidence of Coronary Heart Disease: Findings From the EPICâ€CVD Caseâ€Cohort Study Across Nine European Countries. Journal of the American Heart Association, 2021, 10, e019814.	3.7	29
67	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. BMJ: British Medical Journal, 2019, 366, l4292.	2.3	28
68	Associations of Total Legume, Pulse, and Soy Consumption with Incident Type 2 Diabetes: Federated Meta-Analysis of 27 Studies from Diverse World Regions. Journal of Nutrition, 2021, 151, 1231-1240.	2.9	28
69	Invited Commentary: Dietary Pattern Analysis. American Journal of Epidemiology, 2011, 173, 1105-1108.	3.4	27
70	Doseâ€"response relationship between sports activity and musculoskeletal pain in adolescents. Pain, 2016, 157, 1339-1345.	4.2	27
71	Circulating Phylloquinone Concentrations and Risk of Type 2 Diabetes: A Mendelian Randomization Study. Diabetes, 2019, 68, 220-225.	0.6	27
72	Insights into genetic variants associated with NASH-fibrosis from metabolite profiling. Human Molecular Genetics, 2020, 29, 3451-3463.	2.9	27

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73	Novel circulating fatty acid patterns and risk of cardiovascular disease: the Cardiovascular Health Study. American Journal of Clinical Nutrition, 2012, 96, 1252-1261.	4.7	25
74	Association of Plasma Vitamin D Metabolites With Incident Type 2 Diabetes: EPIC-InterAct Case-Cohort Study. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 1293-1303.	3.6	25
75	Estimated Substitution of Tea or Coffee for Sugar-Sweetened Beverages Was Associated with Lower Type 2 Diabetes Incidence in Caseâ€"Cohort Analysis across 8 European Countries in the EPIC-InterAct Study. Journal of Nutrition, 2019, 149, 1985-1993.	2.9	24
76	Interplay between genetic predisposition, macronutrient intake and type 2 diabetes incidence: analysis within EPIC-InterAct across eight European countries. Diabetologia, 2018, 61, 1325-1332.	6.3	20
77	Prospective association of soft drink consumption with depressive symptoms. Nutrition, 2021, 81, 110860.	2.4	18
78	Assessing dietary intakes from household budget surveys: A national analysis in Bangladesh. PLoS ONE, 2018, 13, e0202831.	2.5	17
79	Changes in plasma phospholipid fatty acid profiles over 13 years and correlates of change: European Prospective Investigation into Cancer and Nutrition-Norfolk Study. American Journal of Clinical Nutrition, 2019, 109, 1527-1534.	4.7	17
80	<i>Trans</i> -Fatty Acid Consumption and Heart Rate Variability in 2 Separate Cohorts of Older and Younger Adults. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 728-738.	4.8	15
81	Positive association between artificially sweetened beverage consumption and incidence of diabetes. Diabetologia, 2015, 58, 2455-2456.	6.3	12
82	Driving status, travel modes and accelerometer-assessed physical activity in younger, middle-aged and older adults: a prospective study of 90â€‰810 UK Biobank participants. International Journal of Epidemiology, 2019, 48, 1175-1186.	1.9	12
83	Using genetic variation to disentangle the complex relationship between food intake and health outcomes. PLoS Genetics, 2022, 18, e1010162.	3.5	12
84	Genetic study of the Arctic CPT1A variant suggests that its effect on fatty acid levels is modulated by traditional Inuit diet. European Journal of Human Genetics, 2020, 28, 1592-1601.	2.8	10
85	Sugar-Sweetened Beverage Consumption May Modify Associations Between Genetic Variants in the CHREBP (Carbohydrate Responsive Element Binding Protein) Locus and HDL-C (High-Density Lipoprotein) Tj ETQq1 1 0.784314 rgBT /O e003288.	3.6	8
86	<i>Trans</i> Fatty Acid Biomarkers and Incident Type 2 Diabetes: Pooled Analysis of 12 Prospective Cohort Studies in the Fatty Acids and Outcomes Research Consortium (FORCE). Diabetes Care, 2022, 45, 854-863.	8.6	8
87	Development and validation of a metabolite score for red meat intake: an observational cohort study and randomized controlled dietary intervention. American Journal of Clinical Nutrition, 2022, 116, 511-522.	4.7	8
88	Prospective association between adherence to the Mediterranean diet and hepatic steatosis: the Swiss CoLaus cohort study. BMJ Open, 2020, 10, e040959.	1.9	7
89	Plasma Sulfur Amino Acids and Risk of Cerebrovascular Diseases. Stroke, 2021, 52, 172-180.	2.0	5
90	Mediterranean diet and risk of SjÃ¶gren's syndrome. Clinical and Experimental Rheumatology, 2020, 38 Suppl 126, 216-221.	0.8	4

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91	Positive association between artificially sweetened beverage consumption and incidence of diabetes. Reply to Sylvetsky Meni AC, Swithers SE, Rother KI [letter]. Diabetologia, 2015, 58, 2457-2458.	6.3	3
92	Macronutrients and cardiovascular risk in a global context. Lancet Diabetes and Endocrinology,the, 2017, 5, 758-759.	11.4	3
93	Associations of types of dairy consumption with adiposity: cross-sectional findings from over 12 000 adults in the Fenland Study, UK. British Journal of Nutrition, 2019, 122, 928-935.	2.3	3
94	Abstract 41: Omega-6 Fatty Acid Biomarkers and Incident Type 2 Diabetes: A Pooled Analysis of 20 Cohort Studies. Circulation, 2017, 135, .	1.6	3
95	Association of alcohol consumption with prevalence of fatty liver after adjustment for dietary patterns: Cross-sectional analysis of Japanese middle-aged adults. Clinical Nutrition, 2020, 39, 1580-1586.	5.0	2
96	Using nutritional survey data to inform the design of sugar-sweetened beverage taxes in low-resource contexts: a cross-sectional analysis based on data from an adult Caribbean population. BMJ Open, 2020, 10, e035981.	1.9	2
97	Associations of Serum Folate and Holotranscobalamin with Cardiometabolic Risk Factors in Rural and Urban Cameroon. Nutrients, 2022, 14, 178.	4.1	2
98	On the gene-nutrient analyses of Cahill et al. American Journal of Clinical Nutrition, 2010, 91, 1070-1071.	4.7	1
99	Association between 25-hydroxyvitamin D and type 2 diabetes â€“ Authors' reply. Lancet Diabetes and Endocrinology,the, 2015, 3, 11-12.	11.4	1
100	Confounders in Asian studies. American Journal of Clinical Nutrition, 2010, 91, 1804-1805.	4.7	0
101	Sugar-sweetened beverages and Type 2 diabetes: will a reduction in consumption reduce the risk of developing diabetes?. Diabetes Management, 2014, 4, 311-314.	0.5	0
102	Abstract MP47: Contribution of Preventable Risk Factors for Incident Congestive Heart Failure in Older Adults: the Cardiovascular Health Study. Circulation, 2014, 129, .	1.6	0
103	Abstract 17: Global diet quality among adults in 187 countries. Circulation, 2014, 129, .	1.6	0
104	Abstract 034: Omega-3 Fatty Acid Biomarkers and Incident Type 2 Diabetes: An Individual Participant-level Pooling Project of 20 Prospective Cohort Studies. Circulation, 2019, 139, .	1.6	0