Queenie Chan

List of Publications by Citations

98 papers	6,187 citations	36 h-index	78 g-index
119 ext. papers	7,282 ext. citations	7.1 avg, IF	4.94 L-index

#	Paper	IF	Citations
98	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19·1 million participants. *Lancet, The*, **2017**, 389, 37-55	40	1100
97	Human metabolic phenotype diversity and its association with diet and blood pressure. *Nature*, **2008**, 453, 396-400	50.4	847
96	Dietary sources of sodium in China, Japan, the United Kingdom, and the United States, women and men aged 40 to 59 years: the INTERMAP study. *Journal of the American Dietetic Association*, **2010**, 110, 736-45		359
95	Assessment of analytical reproducibility of 1H NMR spectroscopy based metabonomics for large-scale epidemiological research: the INTERMAP Study. *Analytical Chemistry*, **2006**, 78, 2199-208	7.8	304
94	Metabolic profiling strategy for discovery of nutritional biomarkers: proline betaine as a marker of citrus consumption. *American Journal of Clinical Nutrition*, **2010**, 92, 436-43	7	201
93	Association between protein intake and blood pressure: the INTERMAP Study. *Archives of Internal Medicine*, **2006**, 166, 79-87		192
92	Estimating 24-hour urinary sodium excretion from casual urinary sodium concentrations in Western populations: the INTERSALT study. *American Journal of Epidemiology*, **2013**, 177, 1180-92	3.8	184
91	Food omega-3 fatty acid intake of individuals (total, linolenic acid, long-chain) and their blood pressure: INTERMAP study. *Hypertension*, **2007**, 50, 313-9	8.5	164
90	Sugar-sweetened beverage, sugar intake of individuals, and their blood pressure: international study of macro/micronutrients and blood pressure. *Hypertension*, **2011**, 57, 695-701	8.5	146
89	Urinary metabolic signatures of human adiposity. *Science Translational Medicine*, **2015**, 7, 285ra62	17.5	141
88	Urinary amino acid analysis: a comparison of iTRAQ-LC-MS/MS, GC-MS, and amino acid analyzer. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2009**, 877, 1838-46	3.3	129
87	Opening up the "Black Box": metabolic phenotyping and metabolome-wide association studies in epidemiology. *Journal of Clinical Epidemiology*, **2010**, 63, 970-9	5.7	113
86	Detection of urinary drug metabolite (xenometabolome) signatures in molecular epidemiology studies via statistical total correlation (NMR) spectroscopy. *Analytical Chemistry*, **2007**, 79, 2629-40	7.8	108
85	Metabolome-wide association study identifies multiple biomarkers that discriminate north and south Chinese populations at differing risks of cardiovascular disease: INTERMAP study. *Journal of Proteome Research*, **2010**, 9, 6647-54	5.6	106
84	A nutrient-wide association study on blood pressure. *Circulation*, **2012**, 126, 2456-64	16.7	104
83	Metabolic profiling and the metabolome-wide association study: significance level for biomarker identification. *Journal of Proteome Research*, **2010**, 9, 4620-7	5.6	102
82	Salinity in drinking water and the risk of (pre)eclampsia and gestational hypertension in coastal Bangladesh: a case-control study. *PLoS ONE*, **2014**, 9, e108715	3.7	93

81	Dietary phosphorus and blood pressure: international study of macro- and micro-nutrients and blood pressure. *Hypertension*, **2008**, 51, 669-75	8.5	78
80	Glutamic acid, the main dietary amino acid, and blood pressure: the INTERMAP Study (International Collaborative Study of Macronutrients, Micronutrients and Blood Pressure). *Circulation*, **2009**, 120, 221-8	16.7	76
79	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) *Atmospheric Chemistry and Physics*, **2019**, 19, 7519-7546	6.8	73
78	Relation of iron and red meat intake to blood pressure: cross sectional epidemiological study. *BMJ, The*, **2008**, 337, a258	5.9	69
77	The impact of eating frequency and time of intake on nutrient quality and Body Mass Index: the INTERMAP Study, a Population-Based Study. *Journal of the Academy of Nutrition and Dietetics*, **2015**, 115, 528-36.e1	3.9	68
76	Diet composition and activity level of at risk and metabolically healthy obese American adults. *Obesity*, **2013**, 21, 637-43	8	67
75	Relationship of dietary linoleic acid to blood pressure. The International Study of Macro-Micronutrients and Blood Pressure Study [corrected]. *Hypertension*, **2008**, 52, 408-14	8.5	60
74	Ethyl glucoside in human urine following dietary exposure: detection by 1H NMR spectroscopy as a result of metabonomic screening of humans. *Analyst, The*, **2004**, 129, 259-64	5	59
73	The Qatar Biobank: background and methods. *BMC Public Health*, **2015**, 15, 1208	4.1	57
72	Association of dietary supplement use with specific micronutrient intakes among middle-aged American men and women: the INTERMAP Study. *Journal of the American Dietetic Association*, **2005**, 105, 1106-14		57
71	Associations between daily air quality and hospitalisations for acute exacerbation of chronic obstructive pulmonary disease in Beijing, 2013-17: an ecological analysis. *Lancet Planetary Health, The*, **2019**, 3, e270-e279	9.8	56
70	Food and nutrient intakes and their associations with lower BMI in middle-aged US adults: the International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). *American Journal of Clinical Nutrition*, **2012**, 96, 483-91	7	53
69	Relation of Dietary Sodium (Salt) to Blood Pressure and Its Possible Modulation by Other Dietary Factors: The INTERMAP Study. *Hypertension*, **2018**, 71, 631-637	8.5	52
68	An Update on Nutrients and Blood Pressure. *Journal of Atherosclerosis and Thrombosis*, **2016**, 23, 276-89	4	44
67	Household transitions to clean energy in a multiprovincial cohort study in China. *Nature Sustainability*, **2020**, 3, 42-50	22.1	44
66	Reliability of plasma polar metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. *PLoS ONE*, **2018**, 13, e0191230	3.7	40
65	Identifying unknown metabolites using NMR-based metabolic profiling techniques. *Nature Protocols*, **2020**, 15, 2538-2567	18.8	38
64	Relationship of dietary cholesterol to blood pressure: the INTERMAP study. *Journal of Hypertension*, **2011**, 29, 222-8	1.9	37

63	Salt intake and prevalence of overweight/obesity in Japan, China, the United Kingdom, and the United States: the INTERMAP Study. *American Journal of Clinical Nutrition*, **2019**, 110, 34-40	7	36
62	Total, insoluble and soluble dietary fibre intake in relation to blood pressure: the INTERMAP Study. *British Journal of Nutrition*, **2015**, 114, 1480-6	3.6	36
61	Relation of urinary calcium and magnesium excretion to blood pressure: The International Study Of Macro- And Micro-nutrients And Blood Pressure and The International Cooperative Study On Salt, Other Factors, And Blood Pressure. *American Journal of Epidemiology*, **2011**, 174, 44-51	3.8	36
60	Optimization and Application of Direct Infusion Nanoelectrospray HRMS Method for Large-Scale Urinary Metabolic Phenotyping in Molecular Epidemiology. *Journal of Proteome Research*, **2017**, 16, 1646-1658	5.6	31
59	Dietary glycine and blood pressure: the International Study on Macro/Micronutrients and Blood Pressure. *American Journal of Clinical Nutrition*, **2013**, 98, 136-45	7	31
58	Nutrient and food intakes of middle-aged adults at low risk of cardiovascular disease: the international study of macro-/micronutrients and blood pressure (INTERMAP). *European Journal of Nutrition*, **2012**, 51, 917-26	5.2	30
57	A comparison of self-reported analgesic use and detection of urinary ibuprofen and acetaminophen metabolites by means of metabonomics: the INTERMAP Study. *American Journal of Epidemiology*, **2012**, 175, 348-58	3.8	29
56	Quantitative UPLC-MS/MS analysis of the gut microbial co-metabolites phenylacetylglutamine, 4-cresyl sulphate and hippurate in human urine: INTERMAP Study. *Analytical Methods*, **2012**, 4, 65-72	3.2	26
55	Association of raw fruit and fruit juice consumption with blood pressure: the INTERMAP Study. *American Journal of Clinical Nutrition*, **2013**, 97, 1083-91	7	26
54	Relationship of dietary monounsaturated fatty acids to blood pressure: the International Study of Macro/Micronutrients and Blood Pressure. *Journal of Hypertension*, **2013**, 31, 1144-50	1.9	25
53	Estimating 24-h urinary sodium/potassium ratio from casual ('spot') urinary sodium/potassium ratio: the INTERSALT Study. *International Journal of Epidemiology*, **2017**, 46, 1564-1572	7.8	24
52	Dietary starch intake of individuals and their blood pressure: the International Study of Macronutrients and Micronutrients and Blood Pressure. *Journal of Hypertension*, **2009**, 27, 231-6	1.9	23
51	Relation of nutrient intake to microalbuminuria in nondiabetic middle-aged men and women: International Population Study on Macronutrients and Blood Pressure (INTERMAP). *American Journal of Kidney Diseases*, **2005**, 45, 256-66	7.4	23
50	Dietary and urinary metabonomic factors possibly accounting for higher blood pressure of black compared with white Americans: results of International Collaborative Study on macro-/micronutrients and blood pressure. *Hypertension*, **2013**, 62, 1074-80	8.5	22
49	Relation of raw and cooked vegetable consumption to blood pressure: the INTERMAP Study. *Journal of Human Hypertension*, **2014**, 28, 353-9	2.6	21
48	Perspective: The Application of A Priori Diet Quality Scores to Cardiovascular Disease Risk-A Critical Evaluation of Current Scoring Systems. *Advances in Nutrition*, **2020**, 11, 10-24	10	19
47	Blood pressure differences associated with Optimal Macronutrient Intake Trial for Heart Health (OMNIHEART)-like diet compared with a typical American Diet. *Hypertension*, **2014**, 64, 1198-204	8.5	19
46	Dietary assessment of British police force employees: a description of diet record coding procedures and cross-sectional evaluation of dietary energy intake reporting (The Airwave Health Monitoring Study). *BMJ Open*, **2017**, 7, e012927	3	18

45	The association of fish consumption and its urinary metabolites with cardiovascular risk factors: the International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). *American Journal of Clinical Nutrition*, **2020**, 111, 280-290	7	18
44	Food sources of dietary sodium in the Japanese adult population: the international study of macro-/micronutrients and blood pressure (INTERMAP). *European Journal of Nutrition*, **2017**, 56, 1269-1280	5.2	17
43	Urinary sodium-to-potassium ratio and intake of sodium and potassium among men and women from multiethnic general populations: the INTERSALT Study. *Hypertension Research*, **2019**, 42, 1590-1598	4.7	15
42	Nutriome-metabolome relationships provide insights into dietary intake and metabolism. *Nature Food*, **2020**, 1, 426-436	14.4	15
41	Metabolic phenotyping for discovery of urinary biomarkers of diet, xenobiotics and blood pressure in the INTERMAP Study: an overview. *Hypertension Research*, **2017**, 40, 336-345	4.7	12
40	A cross-sectional investigation into the occupational and socio-demographic characteristics of British police force employees reporting a dietary pattern associated with cardiometabolic risk: findings from the Airwave Health Monitoring Study. *European Journal of Nutrition*, **2018**, 57, 2913-2926	5.2	12
39	Blood pressure-lowering drugs and secondary prevention of cardiovascular disease: systematic review and meta-analysis. *Journal of Hypertension*, **2018**, 36, 1256-1265	1.9	11
38	Relation of unprocessed, processed red meat and poultry consumption to blood pressure in East Asian and Western adults. *Journal of Hypertension*, **2016**, 34, 1721-9	1.9	11
37	Intakes and Food Sources of Dietary Fibre and Their Associations with Measures of Body Composition and Inflammation in UK Adults: Cross-Sectional Analysis of the Airwave Health Monitoring Study. *Nutrients*, **2019**, 11,	6.7	11
36	Dietary factors and higher blood pressure in African-Americans. *Current Hypertension Reports*, **2015**, 17, 10	4.7	11
35	Estimating laboratory precision of urinary albumin excretion and other urinary measures in the International Study on Macronutrients and Blood Pressure. *American Journal of Epidemiology*, **2004**, 160, 287-94	3.8	11
34	Nutrient profiling and adherence to components of the UK national dietary guidelines association with metabolic risk factors for CVD and diabetes: Airwave Health Monitoring Study. *British Journal of Nutrition*, **2018**, 119, 695-705	3.6	10
33	Determinants of personal exposure to PM and black carbon in Chinese adults: A repeated-measures study in villages using solid fuel energy. *Environment International*, **2021**, 146, 106297	12.9	10
32	Elliott et al. Respond to "Quantifying Urine Sodium Excretion". *American Journal of Epidemiology*, **2013**, 177, 1196-1198	3.8	9
31	Agreement between 24-h dietary recalls and 24-h urine collections for estimating sodium intake in China, Japan, UK, USA: the International Study of Macro- and Micro-nutrients and Blood Pressure. *Journal of Hypertension*, **2019**, 37, 814-819	1.9	9
30	Ultra-Performance Liquid Chromatography-High-Resolution Mass Spectrometry and Direct Infusion-High-Resolution Mass Spectrometry for Combined Exploratory and Targeted Metabolic Profiling of Human Urine. *Journal of Proteome Research*, **2018**, 17, 3492-3502	5.6	9
29	Associations of High-Density Lipoprotein Particle and High-Density Lipoprotein Cholesterol With Alcohol Intake, Smoking, and Body Mass Index - The INTERLIPID Study. *Circulation Journal*, **2018**, 82, 2557-2565	2.9	9
28	Development of nanoelectrospray high resolution isotope dilution mass spectrometry for targeted quantitative analysis of urinary metabolites: application to population profiling and clinical studies. *Analytical Methods*, **2015**, 7, 5122-5133	3.2	8

27	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. *Frontiers in Immunology*, **2020**, 11, 580373	8.4	8
26	Food Sources of Dietary Potassium in the Adult Japanese Population: The International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). *Nutrients*, **2020**, 12,	6.7	6
25	Relationship of three different types of low-carbohydrate diet to cardiometabolic risk factors in a Japanese population: the INTERMAP/INTERLIPID Study. *European Journal of Nutrition*, **2016**, 55, 1515-24	5.2	6
24	Effects of AIR pollution on cardiopuLmonary disEaSe in urban and peri-urban reSidents in Beijing: protocol for the AIRLESS study. *Atmospheric Chemistry and Physics*, **2020**, 20, 15775-15792	6.8	6
23	Relations between dairy product intake and blood pressure: the INTERnational study on MAcro/micronutrients and blood Pressure. *Journal of Hypertension*, **2018**, 36, 2049-2058	1.9	6
22	Gene-diet quality interactions on haemoglobin A1c and type 2 diabetes risk: The Airwave Health Monitoring Study. *Endocrinology, Diabetes and Metabolism*, **2019**, 2, e00074	2.7	5
21	Study protocol: The INTERMAP China Prospective (ICP) study. *Wellcome Open Research*,4, 154	4.8	5
20	The Relationship of Dietary Cholesterol with Serum Low-Density Lipoprotein Cholesterol and Confounding by Reverse Causality: The INTERLIPID Study. *Journal of Atherosclerosis and Thrombosis* , **2019**, 26, 170-182	4	4
19	Study protocol: The INTERMAP China Prospective (ICP) study. *Wellcome Open Research*,4, 154	4.8	3
18	Overall nutrient and total fat intake among Japanese people: The INTERLIPID Study Japan. *Asia Pacific Journal of Clinical Nutrition*, **2017**, 26, 837-848	1	3
17	Effects of AIR pollution on cardiopuLmonary disEaSe in urban and peri-urban reSidents in Beijing: protocol for the AIRLESS study		3
16	Factors associated with intra-individual visit-to-visit variability of blood pressure in four countries: the INTERMAP study. *Journal of Human Hypertension*, **2019**, 33, 229-236	2.6	3
15	Potato consumption, by preparation method and meal quality, with blood pressure and body mass index: The INTERMAP study. *Clinical Nutrition*, **2020**, 39, 3042-3048	5.9	2
14	Quantifying Diet Intake and Its Association with Cardiometabolic Risk in the UK Airwave Health Monitoring Study: A Data-Driven Approach. *Nutrients*, **2020**, 12,	6.7	2
13	Trends and Inequalities in the Incidence of Acute Myocardial Infarction among Beijing Townships, 2007-2018. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
12	Difference in ambient-personal exposure to PM and its inflammatory effect in local residents in urban and peri-urban Beijing, China: results of the AIRLESS project. *Faraday Discussions*, **2021**, 226, 569-583	3.6	2
11	Chemical Investigation of Household Solid Fuel Use and Outdoor Air Pollution Contributions to Personal PM Exposures. *Environmental Science & Technology*, **2021**, 55, 15969-15979	10.3	1
10	Diet Composition and Activity Level of at Risk and Metabolically Healthy Obese American Adults. *Obesity*,	8	1

9	A feasibility study of metabolic phenotyping of dried blood spot specimens in rural Chinese women exposed to household air pollution. *Journal of Exposure Science and Environmental Epidemiology*, **2021**, 31, 328-344	6.7	1
8	Household air pollution and blood pressure, vascular damage and sub-clinical indicators of cardiovascular disease in older Chinese adults. *American Journal of Hypertension*, **2021**,	2.3	1
7	Relationships of Alcohol Consumption with Coronary Risk Factors and Macro- and Micro-Nutrient Intake in Japanese People: The INTERLIPID Study. *Journal of Nutritional Science and Vitaminology*, **2021**, 67, 28-38	1.1	1
6	Blood pressure interactions with the DASH dietary pattern, sodium, and potassium: The International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP).. *American Journal of Clinical Nutrition*, **2022**,	7	1
5	Association between plant-based diets and blood pressure in the INTERMAP study. *BMJ Nutrition, Prevention and Health*, **2020**, 3, 133-142	6.7	0
4	Association between egg intake and blood pressure in the USA: the INTERnational study on MAcro/micronutrients and blood Pressure (INTERMAP). *Public Health Nutrition*, **2021**, 24, 6272-6280	3.3	0
3	Household air pollution from solid fuel use as a dose-dependent risk factor for cognitive impairment in northern China.. *Scientific Reports*, **2022**, 12, 6187	4.9	0
2	Development of equations for converting random-zero to automated oscillometric blood pressure values. *Wellcome Open Research*,4, 146	4.8	
1	Strategy for improved characterization of human metabolic phenotypes using a COmbined Multi-block Principal components Analysis with Statistical Spectroscopy (COMPASS). *Bioinformatics*, **2021**, 36, 5229-5236	7.2	