

# Queenie Chan

## List of Publications by Year in descending order

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109  
papers

8,215  
citations

87888

38  
h-index

48315

88  
g-index

119  
all docs

119  
docs citations

119  
times ranked

13844  
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19.1 million participants. <i>Lancet</i> , The, 2017, 389, 37-55.	13.7	1,667
2	Human metabolic phenotype diversity and its association with diet and blood pressure. <i>Nature</i> , 2008, 453, 396-400.	27.8	966
3	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. <i>Journal of the American Dietetic Association</i> , 2010, 110, 736-745.	1.1	440
4	Assessment of Analytical Reproducibility of <sup>1</sup> H NMR Spectroscopy Based Metabonomics for Large-Scale Epidemiological Research: The INTERMAP Study. <i>Analytical Chemistry</i> , 2006, 78, 2199-2208.	6.5	332
5	Association Between Protein Intake and Blood Pressure. <i>Archives of Internal Medicine</i> , 2006, 166, 79.	3.8	244
6	Estimating 24-Hour Urinary Sodium Excretion From Casual Urinary Sodium Concentrations in Western Populations. <i>American Journal of Epidemiology</i> , 2013, 177, 1180-1192.	3.4	233
7	Metabolic profiling strategy for discovery of nutritional biomarkers: proline betaine as a marker of citrus consumption. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 436-443.	4.7	231
8	Food Omega-3 Fatty Acid Intake of Individuals (Total, Linolenic Acid, Long-Chain) and Their Blood Pressure. <i>Hypertension</i> , 2007, 50, 313-319.	2.7	188
9	Sugar-Sweetened Beverage, Sugar Intake of Individuals, and Their Blood Pressure. <i>Hypertension</i> , 2011, 57, 695-701.	2.7	185
10	Urinary metabolic signatures of human adiposity. <i>Science Translational Medicine</i> , 2015, 7, 285ra62.	12.4	178
11	Urinary amino acid analysis: A comparison of iTRAQ <sup>®</sup> LC-MS/MS, GC-MS, and amino acid analyzer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1838-1846.	2.3	150
12	Salinity in Drinking Water and the Risk of (Pre)Eclampsia and Gestational Hypertension in Coastal Bangladesh: A Case-Control Study. <i>PLoS ONE</i> , 2014, 9, e108715.	2.5	133
13	Opening up the "Black Box": Metabolic phenotyping and metabolome-wide association studies in epidemiology. <i>Journal of Clinical Epidemiology</i> , 2010, 63, 970-979.	5.0	125
14	Metabolic Profiling and the Metabolome-Wide Association Study: Significance Level For Biomarker Identification. <i>Journal of Proteome Research</i> , 2010, 9, 4620-4627.	3.7	123
15	A Nutrient-Wide Association Study on Blood Pressure. <i>Circulation</i> , 2012, 126, 2456-2464.	1.6	122
16	Detection of Urinary Drug Metabolite (Xenometabolome) Signatures in Molecular Epidemiology Studies via Statistical Total Correlation (NMR) Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2629-2640.	6.5	118
17	Metabolome-Wide Association Study Identifies Multiple Biomarkers that Discriminate North and South Chinese Populations at Differing Risks of Cardiovascular Disease: INTERMAP Study. <i>Journal of Proteome Research</i> , 2010, 9, 6647-6654.	3.7	116
18	Associations between daily air quality and hospitalisations for acute exacerbation of chronic obstructive pulmonary disease in Beijing, 2013-17: an ecological analysis. <i>Lancet Planetary Health</i> , The, 2019, 3, e270-e279.	11.4	104

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19	The Qatar Biobank: background and methods. BMC Public Health, 2015, 15, 1208.	2.9	100
20	Dietary Phosphorus and Blood Pressure. Hypertension, 2008, 51, 669-675.	2.7	96
21	Glutamic Acid, the Main Dietary Amino Acid, and Blood Pressure. Circulation, 2009, 120, 221-228.	1.6	96
22	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.	4.9	95
23	Household transitions to clean energy in a multiprovincial cohort study in China. Nature Sustainability, 2020, 3, 42-50.	23.7	92
24	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, 528-536.e1.	0.8	88
25	Relation of iron and red meat intake to blood pressure: cross sectional epidemiological study. BMJ: British Medical Journal, 2008, 337, a258-a258.	2.3	83
26	Diet composition and activity level of at risk and metabolically healthy obese american adults. Obesity, 2013, 21, 637-643.	3.0	81
27	Relationship of Dietary Linoleic Acid to Blood Pressure. Hypertension, 2008, 52, 408-414.	2.7	76
28	Relation of Dietary Sodium (Salt) to Blood Pressure and Its Possible Modulation by Other Dietary Factors. Hypertension, 2018, 71, 631-637.	2.7	76
29	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.	3.5	69
30	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.	4.7	69
31	Identifying unknown metabolites using NMR-based metabolic profiling techniques. Nature Protocols, 2020, 15, 2538-2567.	12.0	69
32	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, 483-491.	4.7	67
33	An Update on Nutrients and Blood Pressure. Journal of Atherosclerosis and Thrombosis, 2016, 23, 276-289.	2.0	63
34	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, 1106-1114.	1.1	62
35	Total, insoluble and soluble dietary fibre intake in relation to blood pressure: the INTERMAP Study. British Journal of Nutrition, 2015, 114, 1480-1486.	2.3	61
36	Reliability of plasma polar metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. PLoS ONE, 2018, 13, e0191230.	2.5	58

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37	Relation of Urinary Calcium and Magnesium Excretion to Blood Pressure. <i>American Journal of Epidemiology</i> , 2011, 174, 44-51.	3.4	46
38	Perspective: The Application of A Priori Diet Quality Scores to Cardiovascular Disease Risk—A Critical Evaluation of Current Scoring Systems. <i>Advances in Nutrition</i> , 2020, 11, 10-24.	6.4	43
39	Relationship of dietary cholesterol to blood pressure: the INTERMAP study. <i>Journal of Hypertension</i> , 2011, 29, 222-228.	0.5	42
40	Optimization and Application of Direct Infusion Nano-electrospray HRMS Method for Large-Scale Urinary Metabolic Phenotyping in Molecular Epidemiology. <i>Journal of Proteome Research</i> , 2017, 16, 1646-1658.	3.7	42
41	Nutriome—metabolome relationships provide insights into dietary intake and metabolism. <i>Nature Food</i> , 2020, 1, 426-436.	14.0	41
42	Dietary glycine and blood pressure: the International Study on Macro/Micronutrients and Blood Pressure. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 136-145.	4.7	39
43	Relationship of dietary monounsaturated fatty acids to blood pressure. <i>Journal of Hypertension</i> , 2013, 31, 1144-1150.	0.5	38
44	The association of fish consumption and its urinary metabolites with cardiovascular risk factors: the International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). <i>American Journal of Clinical Nutrition</i> , 2020, 111, 280-290.	4.7	37
45	Nutrient and food intakes of middle-aged adults at low risk of cardiovascular disease: the international study of macro-/micronutrients and blood pressure (INTERMAP). <i>European Journal of Nutrition</i> , 2012, 51, 917-926.	3.9	35
46	Estimating 24-h urinary sodium/potassium ratio from casual (—spot—) urinary sodium/potassium ratio: the INTERSALT Study. <i>International Journal of Epidemiology</i> , 2017, 46, dyw287.	1.9	34
47	Association of raw fruit and fruit juice consumption with blood pressure: the INTERMAP Study. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 1083-1091.	4.7	31
48	A Comparison of Self-Reported Analgesic Use and Detection of Urinary Ibuprofen and Acetaminophen Metabolites by Means of Metabonomics: The INTERMAP Study. <i>American Journal of Epidemiology</i> , 2012, 175, 348-358.	3.4	30
49	Quantitative UPLC-MS/MS analysis of the gut microbial co-metabolites phenylacetylglutamine, 4-cresyl sulphate and hippurate in human urine: INTERMAP Study. <i>Analytical Methods</i> , 2012, 4, 65-72.	2.7	30
50	Relation of raw and cooked vegetable consumption to blood pressure: the INTERMAP Study. <i>Journal of Human Hypertension</i> , 2014, 28, 353-359.	2.2	30
51	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. <i>Frontiers in Immunology</i> , 2020, 11, 580373.	4.8	28
52	Urinary sodium-to-potassium ratio and intake of sodium and potassium among men and women from multiethnic general populations: the INTERSALT Study. <i>Hypertension Research</i> , 2019, 42, 1590-1598.	2.7	27
53	Relation of nutrient intake to microalbuminuria in nondiabetic middle-aged men and women: International Population Study on Macronutrients and Blood Pressure (INTERMAP). <i>American Journal of Kidney Diseases</i> , 2005, 45, 256-266.	1.9	25
54	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) <i>Tj ETQq0 0 0 rgBI.4 Overlock 10 Tf 50</i>	1.9	25

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55	Dietary starch intake of individuals and their blood pressure: the international study of macronutrients and micronutrients and blood pressure. <i>Journal of Hypertension</i> , 2009, 27, 231-236.	0.5	24
56	Dietary and Urinary Metabonomic Factors Possibly Accounting for Higher Blood Pressure of Black Compared With White Americans. <i>Hypertension</i> , 2013, 62, 1074-1080.	2.7	24
57	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. <i>European Journal of Nutrition</i> , 2018, 57, 2913-2926.	3.9	24
58	Blood Pressure Differences Associated With Optimal Macronutrient Intake Trial for Heart Health (OMNIHEART)â€™Like Diet Compared With a Typical American Diet. <i>Hypertension</i> , 2014, 64, 1198-1204.	2.7	21
59	Blood pressure-lowering drugs and secondary prevention of cardiovascular disease. <i>Journal of Hypertension</i> , 2018, 36, 1256-1265.	0.5	21
60	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. <i>Nutrients</i> , 2019, 11, 1839.	4.1	21
61	Food sources of dietary sodium in the Japanese adult population: the international study of macro-/micronutrients and blood pressure (INTERMAP). <i>European Journal of Nutrition</i> , 2017, 56, 1269-1280.	3.9	20
62	Relation of unprocessed, processed red meat and poultry consumption to blood pressure in East Asian and Western adults. <i>Journal of Hypertension</i> , 2016, 34, 1721-1729.	0.5	19
63	Ultra-Performance Liquid Chromatographyâ€™High-Resolution Mass Spectrometry and Direct Infusionâ€™High-Resolution Mass Spectrometry for Combined Exploratory and Targeted Metabolic Profiling of Human Urine. <i>Journal of Proteome Research</i> , 2018, 17, 3492-3502.	3.7	19
64	Balancing the Equation: A Natural History of Trimethylamine and Trimethylamine-<i>N</i>-oxide. <i>Journal of Proteome Research</i> , 2022, 21, 560-589.	3.7	19
65	Dietary Factors and Higher Blood Pressure in African-Americans. <i>Current Hypertension Reports</i> , 2015, 17, 10.	3.5	18
66	Associations of High-Density Lipoprotein Particle and High-Density Lipoprotein Cholesterol With Alcohol Intake, Smoking, and Body Mass Indexâ€™â€™• The INTERLIPID Study â€™•. <i>Circulation Journal</i> , 2018, 82, 2557-2565.	1.6	18
67	Determinants of personal exposure to PM2.5 and black carbon in Chinese adults: A repeated-measures study in villages using solid fuel energy. <i>Environment International</i> , 2021, 146, 106297.	10.0	18
68	Agreement between 24-h dietary recalls and 24-h urine collections for estimating sodium intake in China, Japan, UK, USA. <i>Journal of Hypertension</i> , 2019, 37, 814-819.	0.5	17
69	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. <i>British Journal of Nutrition</i> , 2018, 119, 695-705.	2.3	15
70	Metabolic phenotyping for discovery of urinary biomarkers of diet, xenobiotics and blood pressure in the INTERMAP Study: an overview. <i>Hypertension Research</i> , 2017, 40, 336-345.	2.7	14
71	Elliott et al. Respond to "Quantifying Urine Sodium Excretion". <i>American Journal of Epidemiology</i> , 2013, 177, 1196-1198.	3.4	13
72	Association between plant-based diets and blood pressure in the INTERMAP study. <i>BMJ Nutrition, Prevention and Health</i> , 2020, 3, 133-142.	3.7	13

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73	Food Sources of Dietary Potassium in the Adult Japanese Population: The International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). <i>Nutrients</i> , 2020, 12, 787.	4.1	13
74	Blood pressure interactions with the DASH dietary pattern, sodium, and potassium: The International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). <i>American Journal of Clinical Nutrition</i> , 2022, 116, 216-229.	4.7	13
75	Estimating Laboratory Precision of Urinary Albumin Excretion and Other Urinary Measures in the International Study on Macronutrients and Blood Pressure. <i>American Journal of Epidemiology</i> , 2004, 160, 287-294.	3.4	12
76	Relationship of three different types of low-carbohydrate diet to cardiometabolic risk factors in a Japanese population: the INTERMAP/INTERLIPID Study. <i>European Journal of Nutrition</i> , 2016, 55, 1515-1524.	3.9	12
77	Household Air Pollution and Blood Pressure, Vascular Damage, and Subclinical Indicators of Cardiovascular Disease in Older Chinese Adults. <i>American Journal of Hypertension</i> , 2022, 35, 121-131.	2.0	11
78	Effects of AIR pollution on cardiopulmonary disease in urban and peri-urban residents in Beijing: protocol for the AIRLESS study. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15775-15792.	4.9	11
79	Chemical Investigation of Household Solid Fuel Use and Outdoor Air Pollution Contributions to Personal PM <sub>2.5</sub> Exposures. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15969-15979.	10.0	11
80	Relations between dairy product intake and blood pressure. <i>Journal of Hypertension</i> , 2018, 36, 2049-2058.	0.5	10
81	Development of nanoelectrospray high resolution isotope dilution mass spectrometry for targeted quantitative analysis of urinary metabolites: application to population profiling and clinical studies. <i>Analytical Methods</i> , 2015, 7, 5122-5133.	2.7	8
82	Factors associated with intra-individual visit-to-visit variability of blood pressure in four countries: the INTERMAP study. <i>Journal of Human Hypertension</i> , 2019, 33, 229-236.	2.2	7
83	Potato consumption, by preparation method and meal quality, with blood pressure and body mass index: The INTERMAP study. <i>Clinical Nutrition</i> , 2020, 39, 3042-3048.	5.0	7
84	Difference in ambient-personal exposure to PM <sub>2.5</sub> and its inflammatory effect in local residents in urban and peri-urban Beijing, China: results of the AIRLESS project. <i>Faraday Discussions</i> , 2021, 226, 569-583.	3.2	6
85	A feasibility study of metabolic phenotyping of dried blood spot specimens in rural Chinese women exposed to household air pollution. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 328-344.	3.9	6
86	Study protocol: The INTERMAP China Prospective (ICP) study. <i>Wellcome Open Research</i> , 0, 4, 154.	1.8	6
87	Trends and Inequalities in the Incidence of Acute Myocardial Infarction among Beijing Townships, 2007-2018. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12276.	2.6	6
88	Household air pollution from solid fuel use as a dose-dependent risk factor for cognitive impairment in northern China. <i>Scientific Reports</i> , 2022, 12, 6187.	3.3	6
89	Gene-diet quality interactions on haemoglobin A1c and type 2 diabetes risk: The Airwave Health Monitoring Study. <i>Endocrinology, Diabetes and Metabolism</i> , 2019, 2, e00074.	2.4	5
90	Metabolic Signatures of Gestational Weight Gain and Postpartum Weight Loss in a Lifestyle Intervention Study of Overweight and Obese Women. <i>Metabolites</i> , 2020, 10, 498.	2.9	5

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91	Association between plant-based dietary indices, the dietary inflammatory index and inflammatory potential in female college students in Saudi Arabia: a cross-sectional study. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021, , .	0.8	5
92	The Relationship of Dietary Cholesterol with Serum Low-Density Lipoprotein Cholesterol and Confounding by Reverse Causality: The INTERLIPID Study. <i>Journal of Atherosclerosis and Thrombosis</i> , 2019, 26, 170-182.	2.0	4
93	Quantifying Diet Intake and Its Association with Cardiometabolic Risk in the UK Airwave Health Monitoring Study: A Data-Driven Approach. <i>Nutrients</i> , 2020, 12, 1170.	4.1	4
94	Study protocol: The INTERMAP China Prospective (ICP) study. <i>Wellcome Open Research</i> , 0, 4, 154.	1.8	4
95	Overall nutrient and total fat intake among Japanese people: The INTERLIPID Study Japan. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2017, 26, 837-848.	0.4	3
96	Association between egg intake and blood pressure in the USA: the INTERnational study on MAcro/micronutrients and blood Pressure (INTERMAP). <i>Public Health Nutrition</i> , 2021, 24, 6272-6280.	2.2	2
97	Relationships of Alcohol Consumption with Coronary Risk Factors and Macro- and Micro-Nutrient Intake in Japanese People: The INTERLIPID Study. <i>Journal of Nutritional Science and Vitaminology</i> , 2021, 67, 28-38.	0.6	2
98	Strategy for improved characterization of human metabolic phenotypes using a COmbined Multi-block Principal components Analysis with Statistical Spectroscopy (COMPASS). <i>Bioinformatics</i> , 2021, 36, 5229-5236.	4.1	1
99	Diet Composition and Activity Level of at Risk and Metabolically Healthy Obese American Adults. <i>Obesity</i> , 0, , .	3.0	1
100	A Multi-Provincial Study of Air Pollution Exposure in Rural and Peri-Urban China. <i>ISEE Conference Abstracts</i> , 2018, 2018, .	0.0	1
101	We-P14:381 Metabonomics to assess self-reported data: The international study on macronutrients and blood pressure (INTERMAP). <i>Atherosclerosis Supplements</i> , 2006, 7, 430-431.	1.2	0
102	Abstract P228: Relationships of Dietary and Supplement Magnesium Intake and Its Urinary Metabolomic Biomarkers With Blood Pressure: The INTERMAP Study. <i>Circulation</i> , 2019, 139, .	1.6	0
103	Abstract P237: Relation of Egg Intake to Blood Pressure: The International Study on Macro/Micronutrients and Blood Pressure (INTERMAP). <i>Circulation</i> , 2019, 139, .	1.6	0
104	Abstract P226: Changes of Blood Pressure and Urinary Sodium Over 18 Years in Rural China: Results From the INTERMAP China Prospective Study. <i>Circulation</i> , 2019, 139, .	1.6	0
105	Abstract P229: Cross-Sectional Investigation of the Relationship Between Fish Consumption and Its Urinary Biomarkers With Blood Pressure Across Asian and Western Populations: Results From the INTERMAP Study. <i>Circulation</i> , 2019, 139, .	1.6	0
106	Abstract MP45: A Metabolome-wide Association Study of Plant Food Consumption With Blood Pressure. <i>Circulation</i> , 2020, 141, .	1.6	0
107	Development of equations for converting random-zero to automated oscillometric blood pressure values. <i>Wellcome Open Research</i> , 0, 4, 146.	1.8	0
108	Abstract P272: Relationship of Potato Consumption, Total and by Preparation Method With Blood Pressure and Body Mass Index: The International Population Study on Macronutrients and Blood Pressure (INTERMAP) US Study. <i>Circulation</i> , 2017, 135, .	1.6	0

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109	Partitioning indoor-generated and outdoor-generated PM2.5 from real-time residential measurements in urban and peri-urban Beijing. Science of the Total Environment, 2022, 845, 157249.	8.0	0