

Peter Wurtz

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

11,248
citations

71102

41
h-index

82547

72
g-index

90
all docs

90
docs citations

90
times ranked

17786
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. Nature, 2011, 478, 103-109.	27.8	1,855
2	Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Cardiovascular Epidemiology and Genetics. Circulation: Cardiovascular Genetics, 2015, 8, 192-206.	5.1	624
3	Genome-wide study for circulating metabolites identifies 62 loci and reveals novel systemic effects of LPA. Nature Communications, 2016, 7, 11122.	12.8	576
4	Metabolite Profiling and Cardiovascular Event Risk. Circulation, 2015, 131, 774-785.	1.6	547
5	Genome-wide association study identifies multiple loci influencing human serum metabolite levels. Nature Genetics, 2012, 44, 269-276.	21.4	516
6	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. Nature Genetics, 2011, 43, 1131-1138.	21.4	501
7	High-throughput serum NMR metabolomics for cost-effective holistic studies on systemic metabolism. Analyst, The, 2009, 134, 1781.	3.5	491
8	Branched-Chain and Aromatic Amino Acids Are Predictors of Insulin Resistance in Young Adults. Diabetes Care, 2013, 36, 648-655.	8.6	441
9	Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Large-Scale Epidemiology: A Primer on -Omic Technologies. American Journal of Epidemiology, 2017, 186, 1084-1096.	3.4	380
10	Genome-wide Association Study Identifies 27 Loci Influencing Concentrations of Circulating Cytokines and Growth Factors. American Journal of Human Genetics, 2017, 100, 40-50.	6.2	360
11	Distribution and Medical Impact of Loss-of-Function Variants in the Finnish Founder Population. PLoS Genetics, 2014, 10, e1004494.	3.5	351
12	Biomarker Profiling by Nuclear Magnetic Resonance Spectroscopy for the Prediction of All-Cause Mortality: An Observational Study of 17,345 Persons. PLoS Medicine, 2014, 11, e1001606.	8.4	281
13	Metabolic Signatures of Adiposity in Young Adults: Mendelian Randomization Analysis and Effects of Weight Change. PLoS Medicine, 2014, 11, e1001765.	8.4	271
14	Metabolic Signatures of Insulin Resistance in 7,098 Young Adults. Diabetes, 2012, 61, 1372-1380.	0.6	262
15	Long-term Leisure-time Physical Activity and Serum Metabolome. Circulation, 2013, 127, 340-348.	1.6	193
16	Diabetes risk and amino acid profiles: cross-sectional and prospective analyses of ethnicity, amino acids and diabetes in a South Asian and European cohort from the SABRE (Southall And Brent) Tj ETQq0 0 0 rgBT /Overlock 102 of 50 137		
17	A metabolic profile of all-cause mortality risk identified in an observational study of 44,168 individuals. Nature Communications, 2019, 10, 3346.	12.8	188
18	Circulating Metabolite Predictors of Glycemia in Middle-Aged Men and Women. Diabetes Care, 2012, 35, 1749-1756.	8.6	184

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19	Association of branched-chain amino acids and other circulating metabolites with risk of incident dementia and Alzheimer's disease: A prospective study in eight cohorts. <i>Alzheimer's and Dementia</i> , 2018, 14, 723-733.	0.8	182
20	The Biomarker GlycA Is Associated with Chronic Inflammation and Predicts Long-Term Risk of Severe Infection. <i>Cell Systems</i> , 2015, 1, 293-301.	6.2	179
21	Metabolomic Profiling of Statin Use and Genetic Inhibition of HMG-CoA Reductase. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1200-1210.	2.8	173
22	Metabolic profiling of pregnancy: cross-sectional and longitudinal evidence. <i>BMC Medicine</i> , 2016, 14, 205.	5.5	150
23	High-throughput quantification of circulating metabolites improves prediction of subclinical atherosclerosis. <i>European Heart Journal</i> , 2012, 33, 2307-2316.	2.2	141
24	Circulating metabolites and the risk of type 2 diabetes: a prospective study of 11,896 young adults from four Finnish cohorts. <i>Diabetologia</i> , 2019, 62, 2298-2309.	6.3	141
25	Childhood Physical, Environmental, and Genetic Predictors of Adult Hypertension. <i>Circulation</i> , 2012, 126, 402-409.	1.6	123
26	Metabolic biomarker profiling for identification of susceptibility to severe pneumonia and COVID-19 in the general population. <i>ELife</i> , 2021, 10, .	6.0	112
27	NAFLD risk alleles in PNPLA3, TM6SF2, GCKR and LYPLAL1 show divergent metabolic effects. <i>Human Molecular Genetics</i> , 2018, 27, 2214-2223.	2.9	95
28	Metabolic profiling of alcohol consumption in 9778 young adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1493-1506.	1.9	90
29	High Birth Weight Is Associated With Obesity and Increased Carotid Wall Thickness in Young Adults. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1064-1068.	2.4	89
30	Sex hormone-binding globulin associations with circulating lipids and metabolites and the risk for type 2 diabetes: observational and causal effect estimates. <i>International Journal of Epidemiology</i> , 2015, 44, 623-637.	1.9	83
31	Metabolic profiling of fatty liver in young and middle-aged adults: Cross-sectional and prospective analyses of the Young Finns Study. <i>Hepatology</i> , 2017, 65, 491-500.	7.3	83
32	Circulating amino acids and the risk of macrovascular, microvascular and mortality outcomes in individuals with type 2 diabetes: results from the ADVANCE trial. <i>Diabetologia</i> , 2018, 61, 1581-1591.	6.3	76
33	H2BC: a new technique for NMR analysis of complex carbohydrates. <i>Carbohydrate Research</i> , 2006, 341, 550-556.	2.3	72
34	Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. <i>Circulation</i> , 2018, 138, 2499-2512.	1.6	69
35	Childhood Environmental and Genetic Predictors of Adulthood Obesity: The Cardiovascular Risk in Young Finns Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E1542-E1549.	3.6	66
36	Effects of hormonal contraception on systemic metabolism: cross-sectional and longitudinal evidence. <i>International Journal of Epidemiology</i> , 2016, 45, 1445-1457.	1.9	62

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37	Association of circulating metabolites with healthy diet and risk of cardiovascular disease: analysis of two cohort studies. <i>Scientific Reports</i> , 2018, 8, 8620.	3.3	61
38	Experimental and Human Evidence for Lipocalin α 2 (Neutrophil Gelatinase α -Associated Lipocalin [NGAL]) in the Development of Cardiac Hypertrophy and Heart Failure. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	59
39	Lipoprotein Subclass Profiling Reveals Pleiotropy in the Genetic Variants of Lipid Risk Factors for Coronary Heart Disease. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1906-1908.	2.8	52
40	Metabolomics: population epidemiology and concordance in Australian children aged 11 \hat{c} 12 years and their parents. <i>BMJ Open</i> , 2019, 9, 106-117.	1.9	48
41	Nuclear magnetic resonance \hat{c} -based metabolomics identifies phenylalanine as a novel predictor of incident heart failure hospitalisation: results from PROSPER and FINRISK 1997. <i>European Journal of Heart Failure</i> , 2018, 20, 663-673.	7.1	47
42	An interaction map of circulating metabolites, immune gene networks, and their genetic regulation. <i>Genome Biology</i> , 2017, 18, 146.	8.8	46
43	Fetal growth, omega-3 (n \hat{c} 3) fatty acids, and progression of subclinical atherosclerosis: preventing fetal origins of disease? The Cardiovascular Risk in Young Finns Study. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 58-65.	4.7	45
44	Circulating metabolic biomarkers of renal function in diabetic and non-diabetic populations. <i>Scientific Reports</i> , 2018, 8, 15249.	3.3	42
45	Metabolic signatures of birthweight in 18 \hat{A} 288 adolescents and adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1539-1550.	1.9	41
46	Biomarker Glycoprotein Acetyls Is Associated With the Risk of a Wide Spectrum of Incident Diseases and Stratifies Mortality Risk in Angiography Patients. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002234.	3.6	38
47	Investigating the effects of lycopene and green tea on the metabolome of men at risk of prostate cancer: The ProDiet randomised controlled trial. <i>International Journal of Cancer</i> , 2019, 144, 1918-1928.	5.1	37
48	A Differential Network Approach to Exploring Differences between Biological States: An Application to Prediabetes. <i>PLoS ONE</i> , 2011, 6, e24702.	2.5	33
49	Weight change and lipoprotein particle concentration and particle size: A cohort study with 6.5-year follow-up. <i>Atherosclerosis</i> , 2012, 223, 239-243.	0.8	32
50	Mendelian randomization reveals unexpected effects of CETP on the lipoprotein profile. <i>European Journal of Human Genetics</i> , 2019, 27, 422-431.	2.8	30
51	Characterization of systemic metabolic phenotypes associated with subclinical atherosclerosis. <i>Molecular BioSystems</i> , 2011, 7, 385-393.	2.9	29
52	Metabolomic Signature of Angiotensin-Like Protein 3 Deficiency in Fasting and Postprandial State. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 665-674.	2.4	29
53	Ecological succession as an energy dispersal process. <i>BioSystems</i> , 2010, 100, 70-78.	2.0	28
54	Metabolic Characterization of a Rare Genetic Variation Within <i>APOC3</i> and Its Lipoprotein Lipase \hat{c} -Independent Effects. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 231-239.	5.1	28

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55	Roots of Diversity Relations. <i>Journal of Biophysics</i> , 2008, 2008, 1-8.	0.8	26
56	Effect of Dietary Counseling on a Comprehensive Metabolic Profile from Childhood to Adulthood. <i>Journal of Pediatrics</i> , 2018, 195, 190-198.e3.	1.8	25
57	Urinary metabolite profiling and risk of progression of diabetic nephropathy in 2670 individuals with type 1 diabetes. <i>Diabetologia</i> , 2022, 65, 140-149.	6.3	25
58	Metabolic Biomarker Discovery for Risk of Peripheral Artery Disease Compared With Coronary Artery Disease: Lipoprotein and Metabolite Profiling of 31 657 Individuals From 5 Prospective Cohorts. <i>Journal of the American Heart Association</i> , 2021, 10, e021995.	3.7	25
59	Circulating Metabolic Biomarkers of Screen-Detected Prostate Cancer in the ProtecT Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 208-216.	2.5	21
60	Apolipoprotein B, oxidized low-density lipoprotein, and LDL particle size in predicting the incidence of metabolic syndrome: the Cardiovascular Risk in Young Finns study. <i>European Journal of Preventive Cardiology</i> , 2012, 19, 1296-1303.	1.8	18
61	Clean HMBC: Suppression of strong-coupling induced artifacts in HMBC spectra. <i>Journal of Magnetic Resonance</i> , 2008, 194, 89-98.	2.1	16
62	Plasma fatty acids and the risk of vascular disease and mortality outcomes in individuals with type 2 diabetes: results from the ADVANCE study. <i>Diabetologia</i> , 2020, 63, 1637-1647.	6.3	16
63	Simultaneous detection of amide and methyl correlations using a time shared NMR experiment: application to binding epitope mapping. <i>Journal of Biomolecular NMR</i> , 2007, 39, 97-105.	2.8	15
64	Metabolic Phenotyping of Diabetic Nephropathy. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 94, 566-569.	4.7	14
65	Elevated serum alpha-1 antitrypsin is a major component of GlycA-associated risk for future morbidity and mortality. <i>PLoS ONE</i> , 2019, 14, e0223692.	2.5	14
66	A set of HA-detected experiments for measuring scalar and residual dipolar couplings. <i>Journal of Biomolecular NMR</i> , 2005, 31, 321-330.	2.8	12
67	Cross-sectional and longitudinal associations of circulating omega-3 and omega-6 fatty acids with lipoprotein particle concentrations and sizes: population-based cohort study with 6-year follow-up. <i>Lipids in Health and Disease</i> , 2014, 13, 28.	3.0	10
68	Reply to: "Methodological issues regarding: A third of nonfasting plasma cholesterol is in remnant lipoproteins: Lipoprotein subclass profiling in 9293 individuals". <i>Atherosclerosis</i> , 2020, 302, 59-61.	0.8	10
69	Comprehensive biomarker profiling of hypertension in 36 985 Finnish individuals. <i>Journal of Hypertension</i> , 2022, 40, 579-587.	0.5	9
70	Towards unambiguous assignment of methyl-containing residues by double and triple sensitivity-enhanced HCCmHm-TOCSY experiments. <i>Journal of Biomolecular NMR</i> , 2006, 36, 13-26.	2.8	8
71	Circulating Metabolic Biomarkers Are Consistently Associated With Type 2 Diabetes Risk in Asian and European Populations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e2751-e2761.	3.6	8
72	SESAME-HSQC for simultaneous measurement of NH and CH scalar and residual dipolar couplings. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 289-295.	1.9	6