

Philip S Tsao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113 papers	6,565 citations	35 h-index	80 g-index
135 ext. papers	9,114 ext. citations	13.1 avg, IF	4.96 L-index

#	Paper	IF	Citations
113	APOL1 Risk Variants, Acute Kidney Injury, and Death in Participants With African Ancestry Hospitalized With COVID-19 From the Million Veteran Program.. <i>JAMA Internal Medicine</i> , 2022 ,	11.5	2
112	Coronary Artery Disease Risk of Familial Hypercholesterolemia Genetic Variants Independent of Clinically Observed Longitudinal Cholesterol Exposure.. <i>Circulation Genomic and Precision Medicine</i> , 2022 , CIRCGEN121003501	5.2	2
111	Development of a polygenic risk score to improve detection of peripheral artery disease.. <i>Vascular Medicine</i> , 2022 , 1358863X211067564	3.3	0
110	Million Veteran Program's response to COVID-19: Survey development and preliminary findings.. <i>PLoS ONE</i> , 2022 , 17, e0266381	3.7	0
109	A Phenome-Wide Association Study of genes associated with COVID-19 severity reveals shared genetics with complex diseases in the Million Veteran Program.. <i>PLoS Genetics</i> , 2022 , 18, e1010113	6	0
108	Role of MicroRNAs in acceleration of vascular endothelial senescence. <i>Biochemistry and Biophysics Reports</i> , 2022 , 30, 101281	2.2	
107	Genome-wide and phenome-wide analysis of ideal cardiovascular health in the VA Million Veteran Program. <i>PLoS ONE</i> , 2022 , 17, e0267900	3.7	
106	A multi-population phenome-wide association study of genetically-predicted height in the Million Veteran Program. <i>PLoS Genetics</i> , 2022 , 18, e1010193	6	0
105	Multi-Trait Genome-Wide Association Study of Atherosclerosis Detects Novel Pleiotropic Loci.. <i>Frontiers in Genetics</i> , 2021 , 12, 787545	4.5	
104	Trellis for efficient data and task management in the VA Million Veteran Program. <i>Scientific Reports</i> , 2021 , 11, 23229	4.9	0
103	Mendelian Randomization Analysis of Hemostatic Factors and Their Contribution to Peripheral Artery Disease-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 380-386	9.4	4
102	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19. <i>Nature Medicine</i> , 2021 , 27, 668-676	50.5	19
101	Unresolved Issues in RNA Therapeutics in Vascular Diseases With a Focus on Aneurysm Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 571076	5.4	0
100	Response by Pan and Tsao to Letter Regarding Article, "Genetic Architecture of Abdominal Aortic Aneurysm in the Million Veteran Program". <i>Circulation</i> , 2021 , 143, e873-e874	16.7	
99	Risk factors mediating the effect of body mass index and waist-to-hip ratio on cardiovascular outcomes: Mendelian randomization analysis. <i>International Journal of Obesity</i> , 2021 , 45, 1428-1438	5.5	10
98	Phenome-wide association of 1809 phenotypes and COVID-19 disease progression in the Veterans Health Administration Million Veteran Program. <i>PLoS ONE</i> , 2021 , 16, e0251651	3.7	4
97	Swarm: A federated cloud framework for large-scale variant analysis. <i>PLoS Computational Biology</i> , 2021 , 17, e1008977	5	1

96	Genetic analysis in European ancestry individuals identifies 517 loci associated with liver enzymes. <i>Nature Communications</i> , 2021 , 12, 2579	17.4	7
95	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. <i>Nature Communications</i> , 2021 , 12, 3987	17.4	3
94	Genetic Determinants of Peripheral Artery Disease. <i>Circulation Research</i> , 2021 , 128, 1805-1817	15.7	2
93	Association Between Genetic Variation in Blood Pressure and Increased Lifetime Risk of Peripheral Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2027-2034	9.4	7
92	MicroRNA miR-29b regulates diabetic aortic remodeling and stiffening. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 24, 188-199	10.7	1
91	Urate, Blood Pressure, and Cardiovascular Disease: Evidence From Mendelian Randomization and Meta-Analysis of Clinical Trials. <i>Hypertension</i> , 2021 , 77, 383-392	8.5	15
90	E-Cigarettes and Cardiopulmonary Health. <i>Function</i> , 2021 , 2, zqab004	6.1	8
89	Chitinase 3 like 1 (CHI3L1) is a regulator of smooth muscle cell physiology and atherosclerotic lesion stability. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
88	Genetic Evidence for Repurposing of GLP1R (Glucagon-Like Peptide-1 Receptor) Agonists to Prevent Heart Failure. <i>Journal of the American Heart Association</i> , 2021 , 10, e020331	6	1
87	Prioritizing the Role of Major Lipoproteins and Subfractions as Risk Factors for Peripheral Artery Disease. <i>Circulation</i> , 2021 , 144, 353-364	16.7	6
86	Regulatory variants in TCF7L2 are associated with thoracic aortic aneurysm. <i>American Journal of Human Genetics</i> , 2021 , 108, 1578-1589	11	2
85	A Missense Variant in the IL-6 Receptor and Protection From Peripheral Artery Disease. <i>Circulation Research</i> , 2021 , 129, 968-970	15.7	0
84	Genetics of Smoking and Risk of Atherosclerotic Cardiovascular Diseases: A Mendelian Randomization Study. <i>JAMA Network Open</i> , 2021 , 4, e2034461	10.4	11
83	Preoperative Computed Tomography Angiography Reveals Leaflet-Specific Calcification and Excursion Patterns in Aortic Stenosis.. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, 1122-1132	3.9	1
82	Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis. <i>Nature Genetics</i> , 2020 , 52, 680-691	36.3	140
81	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study. <i>PLoS Genetics</i> , 2020 , 16, e1008684	6	5
80	Involvement of Myeloid Cells and Noncoding RNA in Abdominal Aortic Aneurysm Disease. <i>Antioxidants and Redox Signaling</i> , 2020 , 33, 602-620	8.4	6
79	A missense variant in Mitochondrial Amidoxime Reducing Component 1 gene and protection against liver disease. <i>PLoS Genetics</i> , 2020 , 16, e1008629	6	49

78	Transfer learning enables prediction of CYP2D6 haplotype function. <i>PLoS Computational Biology</i> , 2020 , 16, e1008399	5	12
77	PCSK9 loss of function is protective against extra-coronary atherosclerotic cardiovascular disease in a large multi-ethnic cohort. <i>PLoS ONE</i> , 2020 , 15, e0239752	3.7	2
76	Genetic Architecture of Abdominal Aortic Aneurysm in the Million Veteran Program. <i>Circulation</i> , 2020 , 142, 1633-1646	16.7	24
75	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020 , 52, 1314-1332	36.3	26
74	Genetic determinants of increased body mass index mediate the effect of smoking on increased risk for type 2 diabetes but not coronary artery disease. <i>Human Molecular Genetics</i> , 2020 , 29, 3327-3337	5.6	2
73	Validating a non-invasive, ALT-based non-alcoholic fatty liver phenotype in the million veteran program. <i>PLoS ONE</i> , 2020 , 15, e0237430	3.7	5
72	The relationship between circulating lipids and breast cancer risk: A Mendelian randomization study. <i>PLoS Medicine</i> , 2020 , 17, e1003302	11.6	16
71	Genotyping Array Design and Data Quality Control in the Million Veteran Program. <i>American Journal of Human Genetics</i> , 2020 , 106, 535-548	11	22
70	Cross-trait analyses with migraine reveal widespread pleiotropy and suggest a vascular component to migraine headache. <i>International Journal of Epidemiology</i> , 2020 , 49, 1022-1031	7.8	15
69	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study 2020 , 16, e1008684		
68	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study 2020 , 16, e1008684		
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63	The relationship between circulating lipids and breast cancer risk: A Mendelian randomization study 2020 , 17, e1003302		
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58	The relationship between circulating lipids and breast cancer risk: A Mendelian randomization study 2020 , 17, e1003302		
57	The relationship between circulating lipids and breast cancer risk: A Mendelian randomization study 2020 , 17, e1003302		
56	Mapping eGFR loci to the renal transcriptome and phenome in the VA Million Veteran Program. <i>Nature Communications</i> , 2019 , 10, 3842	17.4	36
55	Harmonizing Genetic Ancestry and Self-identified Race/Ethnicity in Genome-wide Association Studies. <i>American Journal of Human Genetics</i> , 2019 , 105, 763-772	11	41
54	Controlled isoflurane anesthesia exposure is required for reliable behavioral testing in murine surgical models. <i>Journal of Pharmacological Sciences</i> , 2019 , 140, 106-108	3.7	3
53	Therapeutic perspective on vascular cognitive impairment. <i>Pharmacological Research</i> , 2019 , 146, 104266	10.2	16
52	Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations. <i>Nature Communications</i> , 2019 , 10, 1499	17.4	164
51	Non-coding RNAs in aneurysmal aortopathy. <i>Vascular Pharmacology</i> , 2019 , 114, 110-121	5.9	4
50	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019 , 140, 645-657	16.7	65
49	Genome-wide association study of peripheral artery disease in the Million Veteran Program. <i>Nature Medicine</i> , 2019 , 25, 1274-1279	50.5	73
48	Genome-wide association analysis of venous thromboembolism identifies new risk loci and genetic overlap with arterial vascular disease. <i>Nature Genetics</i> , 2019 , 51, 1574-1579	36.3	56
47	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. <i>Nature Genetics</i> , 2019 , 51, 51-62	36.3	152
46	An Automated Algorithm to Quantify Collagen Distribution in Aortic Wall. <i>Journal of Histochemistry and Cytochemistry</i> , 2019 , 67, 267-274	3.4	2
45	H19 Induces Abdominal Aortic Aneurysm Development and Progression. <i>Circulation</i> , 2018 , 138, 1551-1568	8.7	111
44	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. <i>Nature Communications</i> , 2018 , 9, 387	17.4	106
43	Apelin and APJ orchestrate complex tissue-specific control of cardiomyocyte hypertrophy and contractility in the hypertrophy-heart failure transition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H348-H356	5.2	19

42	Association of Interleukin 6 Receptor Variant With Cardiovascular Disease Effects of Interleukin 6 Receptor Blocking Therapy: A Phenome-Wide Association Study. <i>JAMA Cardiology</i> , 2018 , 3, 849-857	16.2	48
41	Systemic Upregulation of IL-10 (Interleukin-10) Using a Nonimmunogenic Vector Reduces Growth and Rate of Dissecting Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 1796-1805	9.4	22
40	Antioxidants from diet or supplements do not alter inflammatory markers in adults with cardiovascular disease risk. A pilot randomized controlled trial. <i>Nutrition Research</i> , 2018 , 50, 63-72	4	4
39	Chronic Nicotine Exposure Induces Murine Aortic Remodeling and Stiffness Segmentation-Implications for Abdominal Aortic Aneurysm Susceptibility. <i>Frontiers in Physiology</i> , 2018 , 9, 1459	4.6	22
38	Genetics of blood lipids among ~300,000 multi-ethnic participants of the Million Veteran Program. <i>Nature Genetics</i> , 2018 , 50, 1514-1523	36.3	260
37	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , 2018 , 50, 1412-1425	36.3	386
36	Decoding the Genomics of Abdominal Aortic Aneurysm. <i>Cell</i> , 2018 , 174, 1361-1372.e10	56.2	34
35	Effect of Pioglitazone on Cardiometabolic Risk in Patients With Obstructive Sleep Apnea. <i>American Journal of Cardiology</i> , 2017 , 119, 1205-1210	3	2
34	Hypoxia inducible factor stabilization improves defective ischemia-induced angiogenesis in a rodent model of chronic kidney disease. <i>Kidney International</i> , 2017 , 91, 616-627	9.9	21
33	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1766	36.6	310
32	Epigenetic clock analysis of diet, exercise, education, and lifestyle factors. <i>Aging</i> , 2017 , 9, 419-446	5.6	317
31	Cloud-based interactive analytics for terabytes of genomic variants data. <i>Bioinformatics</i> , 2017 , 33, 3709-3715	37.15	7
30	An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. <i>Genome Biology</i> , 2016 , 17, 171	18.3	357
29	Transcriptomic Profiling Maps Anatomically Patterned Subpopulations among Single Embryonic Cardiac Cells. <i>Developmental Cell</i> , 2016 , 39, 491-507	10.2	129
28	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016 , 8, 1844-1865	5.6	531
27	Heme Oxygenase-1 Expression Affects Murine Abdominal Aortic Aneurysm Progression. <i>PLoS ONE</i> , 2016 , 11, e0149288	3.7	18
26	Response to Letters Regarding Article, "Segmental Aortic Stiffening Contributes to Experimental Abdominal Aortic Aneurysm Development". <i>Circulation</i> , 2016 , 133, e11-2	16.7	1
25	Does enhanced insulin sensitivity improve sleep measures in patients with obstructive sleep apnea: a randomized, placebo-controlled pilot study. <i>Sleep Medicine</i> , 2016 , 22, 57-60	4.6	8

24	Transcription Factor Runx2 Promotes Aortic Fibrosis and Stiffness in Type 2 Diabetes Mellitus. <i>Circulation Research</i> , 2015 , 117, 513-24	15.7	64
23	Dietary fructose in pregnancy induces hyperglycemia, hypertension, and pathologic kidney and liver changes in a rodent model. <i>Pregnancy Hypertension</i> , 2015 , 5, 308-14	2.6	13
22	Levosimendan displays anti-inflammatory effects and decreases MPO bioavailability in patients with severe heart failure. <i>Scientific Reports</i> , 2015 , 5, 9704	4.9	14
21	Human Engineered Heart Muscles Engraft and Survive Long Term in a Rodent Myocardial Infarction Model. <i>Circulation Research</i> , 2015 , 117, 720-30	15.7	146
20	Segmental aortic stiffening contributes to experimental abdominal aortic aneurysm development. <i>Circulation</i> , 2015 , 131, 1783-95	16.7	90
19	Dichloroacetate prevents restenosis in preclinical animal models of vessel injury. <i>Nature</i> , 2014 , 509, 641-4	30.4	64
18	Red blood cells serve as intravascular carriers of myeloperoxidase. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 353-63	5.8	19
17	miR-24 limits aortic vascular inflammation and murine abdominal aneurysm development. <i>Nature Communications</i> , 2014 , 5, 5214	17.4	152
16	MicroRNA-29b regulation of abdominal aortic aneurysm development. <i>Trends in Cardiovascular Medicine</i> , 2014 , 24, 1-6	6.9	28
15	The Use of Immunofluorescent Array Tomography to Study the Three-Dimensional Microstructure of Murine Blood Vessels. <i>Cellular and Molecular Bioengineering</i> , 2011 , 4, 311-323	3.9	3
14	Cyclic strain induces reactive oxygen species production via an endothelial NAD(P)H oxidase. <i>Journal of Cellular Biochemistry</i> , 2001 , Suppl 36, 99-106	4.7	72
13	Nicotine stimulates angiogenesis and promotes tumor growth and atherosclerosis. <i>Nature Medicine</i> , 2001 , 7, 833-9	50.5	622
12	Mechanotransduction of endothelial oxidative stress induced by cyclic strain. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2001 , 8, 283-91		40
11	eNOS activity is reduced in senescent human endothelial cells: Preservation by hTERT immortalization. <i>Circulation Research</i> , 2001 , 89, 793-8	15.7	226
10	Homocysteine impairs the nitric oxide synthase pathway: role of asymmetric dimethylarginine. <i>Circulation</i> , 2001 , 104, 2569-75	16.7	544
9	Asymmetric dimethylarginine increases mononuclear cell adhesiveness in hypercholesterolemic humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 1040-6	9.4	106
8	Impaired aerobic capacity in hypercholesterolemic mice: partial reversal by exercise training. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H1346-54	5.2	35
7	Regression of atherosclerosis: role of nitric oxide and apoptosis. <i>Circulation</i> , 1999 , 99, 1236-41	16.7	115

6	Nitric oxide regulates monocyte chemotactic protein-1. <i>Circulation</i> , 1997 , 96, 934-40	16.7	139
5	Regression or progression. Dependency on vascular nitric oxide. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996 , 16, 44-50	9.4	158
4	Exposure to shear stress alters endothelial adhesiveness. Role of nitric oxide. <i>Circulation</i> , 1995 , 92, 3513-16	16.7	125
3	A trans-ancestry genome-wide association study of unexplained chronic ALT elevation as a proxy for nonalcoholic fatty liver disease with histological and radiological validation		5
2	A MUC5B gene polymorphism, rs35705950-T, confers protective effects in COVID-19 infection		1
1	A multiancestry genome-wide association study of unexplained chronic ALT elevation as a proxy for nonalcoholic fatty liver disease with histological and radiological validation. <i>Nature Genetics</i> ,	36.3	2