

Joseph F Polak

List of Publications by Year in descending order

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93
papers

11,469
citations

109321

35
h-index

45317

90
g-index

93
all docs

93
docs citations

93
times ranked

13398
citing authors

#	ARTICLE	IF	CITATIONS
1	Carotid-Artery Intima and Media Thickness as a Risk Factor for Myocardial Infarction and Stroke in Older Adults. <i>New England Journal of Medicine</i> , 1999, 340, 14-22.	27.0	4,291
2	Carotid Artery Stenosis: Gray-Scale and Doppler US Diagnosis—Society of Radiologists in Ultrasound Consensus Conference. <i>Radiology</i> , 2003, 229, 340-346.	7.3	1,225
3	Predictive Value of Brachial Flow-Mediated Dilation for Incident Cardiovascular Events in a Population-Based Study. <i>Circulation</i> , 2009, 120, 502-509.	1.6	782
4	Ankle-Arm Index as a Predictor of Cardiovascular Disease and Mortality in the Cardiovascular Health Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 538-545.	2.4	758
5	Carotid-Wall Intima—Media Thickness and Cardiovascular Events. <i>New England Journal of Medicine</i> , 2011, 365, 213-221.	27.0	678
6	Thickening of the Carotid Wall. <i>Stroke</i> , 1996, 27, 224-231.	2.0	297
7	The Value of Carotid Artery Plaque and Intima—Media Thickness for Incident Cardiovascular Disease: The Multi—Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2013, 2, e000087.	3.7	229
8	Healthy Lifestyle Change and Subclinical Atherosclerosis in Young Adults. <i>Circulation</i> , 2014, 130, 10-17.	1.6	164
9	Common Carotid Artery Intima-Media Thickness Progression as a Predictor of Stroke in Multi-Ethnic Study of Atherosclerosis. <i>Stroke</i> , 2011, 42, 3017-3021.	2.0	149
10	Race/Ethnic Differences in the Associations of the Framingham Risk Factors with Carotid IMT and Cardiovascular Events. <i>PLoS ONE</i> , 2015, 10, e0132321.	2.5	141
11	Segment-Specific Associations of Carotid Intima-Media Thickness With Cardiovascular Risk Factors. <i>Stroke</i> , 2010, 41, 9-15.	2.0	134
12	Associations of Carotid Artery Intima-Media Thickness (IMT) With Risk Factors and Prevalent Cardiovascular Disease. <i>Journal of Ultrasound in Medicine</i> , 2010, 29, 1759-1768.	1.7	121
13	Comparison of Carotid Plaque Score and Coronary Artery Calcium Score for Predicting Cardiovascular Disease Events: The Multi—Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	117
14	Progression of Carotid Artery Intima-Media Thickness During 12 Years in the Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications (DCCT/EDIC) Study. <i>Diabetes</i> , 2011, 60, 607-613.	0.6	109
15	Systemic inflammation and cardiovascular risk factors predict rapid progression of atherosclerosis in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 1118-1123.	0.9	104
16	Arterial Stiffness Is Associated With Regional Ventricular Systolic and Diastolic Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 194-201.	2.4	100
17	Risk Factors for Hospitalized Gastrointestinal Bleeding Among Older Persons. <i>Journal of the American Geriatrics Society</i> , 2001, 49, 126-133.	2.6	91
18	Single-trait and multi-trait genome-wide association analyses identify novel loci for blood pressure in African-ancestry populations. <i>PLoS Genetics</i> , 2017, 13, e1006728.	3.5	88

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19	High-Density Lipoprotein Subspecies Defined by Presence of Apolipoprotein C-III and Incident Coronary Heart Disease in Four Cohorts. <i>Circulation</i> , 2018, 137, 1364-1373.	1.6	85
20	Carotid Intima-Media Thickness as Surrogate for and Predictor of CVD. <i>Global Heart</i> , 2016, 11, 295.	2.3	85
21	Cost-Effectiveness of Coronary Artery Calcium Testing for Coronary Heart and Cardiovascular Disease Risk Prediction to Guide Statin Allocation: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>PLoS ONE</i> , 2015, 10, e0116377.	2.5	80
22	Duplex Ultrasound Criteria for the Identification of Carotid Stenosis Should Be Laboratory Specific. <i>Stroke</i> , 1997, 28, 597-602.	2.0	75
23	Inflammatory markers and extent and progression of early atherosclerosis: Meta-analysis of individual-participant-data from 20 prospective studies of the PROG-IMT collaboration. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 194-205.	1.8	74
24	Age-Related Trends in Cardiovascular Morbidity and Physical Functioning in the Elderly: The Cardiovascular Health Study. <i>Journal of the American Geriatrics Society</i> , 1993, 41, 1047-1056.	2.6	72
25	Carotid Intima-Media Thickness Progression and Risk of Vascular Events in People With Diabetes: Results From the PROG-IMT Collaboration. <i>Diabetes Care</i> , 2015, 38, 1921-1929.	8.6	67
26	Carotid Intima-Media Thickness and Arterial Stiffness and the Risk of Atrial Fibrillation: The Atherosclerosis Risk in Communities (ARIC) Study, Multi-Ethnic Study of Atherosclerosis (MESA), and the Rotterdam Study. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	66
27	Common genetic variants and subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2016, 245, 230-236.	0.8	59
28	Predictive value for cardiovascular events of common carotid intima media thickness and its rate of change in individuals at high cardiovascular risk – Results from the PROG-IMT collaboration. <i>PLoS ONE</i> , 2018, 13, e0191172.	2.5	51
29	Carotid Intima-Media Thickness Score, Positive Coronary Artery Calcium Score, and Incident Coronary Heart Disease: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	50
30	Coronary Artery Calcium Improves Risk Assessment in Adults With a Family History of Premature Coronary Heart Disease. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e003186.	2.6	49
31	Associations of Edge-Detected and Manual-Traced Common Carotid Intima-Media Thickness Measurements With Framingham Risk Factors. <i>Stroke</i> , 2011, 42, 1912-1916.	2.0	48
32	P-selectin and subclinical and clinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2015, 240, 3-9.	0.8	47
33	Relationship of Carotid Distensibility and Thoracic Aorta Calcification. <i>Hypertension</i> , 2009, 54, 1408-1415.	2.7	43
34	Carotid Atherosclerosis and Cerebral Microbleeds: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2016, 5, e002377.	3.7	41
35	Associations of Coffee, Tea, and Caffeine Intake with Coronary Artery Calcification and Cardiovascular Events. <i>American Journal of Medicine</i> , 2017, 130, 188-197.e5.	1.5	39
36	Incident Stroke Is Associated With Common Carotid Artery Diameter and Not Common Carotid Artery Intima-Media Thickness. <i>Stroke</i> , 2014, 45, 1442-1446.	2.0	37

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37	What Do Carotid Intima-Media Thickness and Plaque Add to the Prediction of Stroke and Cardiovascular Disease Risk in Older Adults? The Cardiovascular Health Study. Journal of the American Society of Echocardiography, 2014, 27, 998-1005.e2.	2.8	36
38	Multisite atherosclerosis in subjects with metabolic syndrome and diabetes and relation to cardiovascular events: The Multi-Ethnic Study of Atherosclerosis. Atherosclerosis, 2019, 282, 202-209.	0.8	35
39	Associations of cardiovascular risk factors, carotid intima-media thickness and left ventricular mass with inter-adventitial diameters of the common carotid artery: The Multi-Ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2011, 218, 344-349.	0.8	34
40	Changes in Carotid Intima-Media Thickness During the Cardiac Cycle: The Multi-Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2012, 1, e001420.	3.7	34
41	Concentration of Smaller High-Density Lipoprotein Particle (HDL-P) Is Inversely Correlated With Carotid Intima Media Thickening After Confounder Adjustment: The Multi Ethnic Study of Atherosclerosis (MESA). Journal of the American Heart Association, 2016, 5, .	3.7	34
42	Normative values for carotid intima media thickness and its progression: Are they transferrable outside of their cohort of origin?. European Journal of Preventive Cardiology, 2016, 23, 1165-1173.	1.8	33
43	Carotid Artery Plaque and Progression of Coronary Artery Calcium: The Multi-Ethnic Study of Atherosclerosis. Journal of the American Society of Echocardiography, 2013, 26, 548-555.	2.8	32
44	Secondhand Smoke Exposure and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2016, 5, .	3.7	28
45	Hepatocyte growth factor is associated with progression of atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2018, 272, 162-167.	0.8	28
46	Inter-Reader Differences in Common Carotid Artery Intima-Media Thickness. Journal of Ultrasound in Medicine, 2011, 30, 915-920.	1.7	27
47	Nonalcoholic Fatty Liver Disease Is Associated With Arterial Distensibility and Carotid Intima-Media Thickness: (from the Multi-Ethnic Study of Atherosclerosis). American Journal of Cardiology, 2019, 124, 534-538.	1.6	26
48	Carotid Intima-Media Thickness. Ultrasound Quarterly, 2009, 25, 55-61.	0.8	24
49	Biomarkers of Cardiovascular Stress and Subclinical Atherosclerosis in the Community. Clinical Chemistry, 2014, 60, 1402-1408.	3.2	24
50	Childhood family psychosocial environment and carotid intima media thickness: The CARDIA study. Social Science and Medicine, 2014, 104, 15-22.	3.8	24
51	Hepatocyte growth factor demonstrates racial heterogeneity as a biomarker for coronary heart disease. Heart, 2017, 103, 1185-1193.	2.9	23
52	Associations of Coronary Heart Disease with Common Carotid Artery Near and Far Wall Intima-Media Thickness: The Multi-Ethnic Study of Atherosclerosis. Journal of the American Society of Echocardiography, 2015, 28, 1114-1121.	2.8	22
53	Mediterranean diet score and left ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis,. American Journal of Clinical Nutrition, 2016, 104, 595-602.	4.7	22
54	Variations in Common Carotid Artery Intima-Media Thickness during the Cardiac Cycle: Implications for Cardiovascular Risk Assessment. Journal of the American Society of Echocardiography, 2012, 25, 1023-1028.	2.8	20

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55	Edge-â€œDetected Common Carotid Artery Intima-â€œMedia Thickness and Incident Coronary Heart Disease in the Multi-â€œEthnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2015, 4, e001492.	3.7	20
56	Association of subclinical atherosclerosis using carotid intima-media thickness, carotid plaque, and coronary calcium score with left ventricular dyssynchrony: The multi-ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2015, 239, 412-418.	0.8	20
57	Predicting Long-Term Absence of Coronary Artery Calcium in Metabolic Syndrome and Diabetes. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 219-229.	5.3	19
58	Comparative Efficacy of Pulse-Spray Thrombolysis and Angioplasty Versus Surgical Salvage Procedures for Treatment of Recurrent Occlusion of PTFE Dialysis Access Grafts. <i>CardioVascular and Interventional Radiology</i> , 1998, 21, 314-318.	2.0	17
59	Coronary artery calcium and carotid artery intima-media thickness for the prediction of stroke and benefit from statins. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 1980-1987.	1.8	17
60	Relationship of fibroblast growth factor 21 with subclinical atherosclerosis and cardiovascular events: Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2019, 287, 46-53.	0.8	17
61	Mediation of Cardiovascular Risk Factor Effects Through Subclinical Vascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1778-1783.	2.4	15
62	Interleukin-6 Predicts Carotid Plaque Severity, Vulnerability, and Progression. <i>Circulation Research</i> , 2022, 131, .	4.5	15
63	Clustering of cardiovascular risk factors and carotid intima-media thickness: The USE-IMT study. <i>PLoS ONE</i> , 2017, 12, e0173393.	2.5	13
64	Detailed analysis of association between common single nucleotide polymorphisms and subclinical atherosclerosis: The Multi-ethnic Study of Atherosclerosis. <i>Data in Brief</i> , 2016, 7, 229-242.	1.0	12
65	Associations of Common Carotid Intima-Media Thickness with Coronary Heart Disease Risk Factors and Events Vary with Distance from the Carotid Bulb. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 991-997.	2.8	10
66	Plasma and serum L-selectin and clinical and subclinical cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Translational Research</i> , 2014, 163, 585-592.	5.0	10
67	Progression of conventional cardiovascular risk factors and vascular disease risk in individuals: insights from the PROG-IMT consortium. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 234-243.	1.8	10
68	Pulmonary Scintigraphy and the Diagnosis of Pulmonary Embolism. <i>Clinics in Chest Medicine</i> , 1984, 5, 457-464.	2.1	10
69	Cardiovascular Disease-Risk Markers in HIV Patients. <i>Journal of AIDS & Clinical Research</i> , 2014, 05, .	0.5	8
70	The prevalence and correlates of subclinical atherosclerosis among adults with low-density lipoprotein cholesterol < 70â€œmg/dL: The Multi-Ethnic Study of Atherosclerosis (MESA) and Brazilian Longitudinal Study of Adult Health (ELSA-Brasil). <i>Atherosclerosis</i> , 2018, 274, 61-66.	0.8	8
71	Ischemic stroke/transient ischemic attack events and carotid artery disease in the absence of or with minimal coronary artery calcification: Results from the Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2018, 275, 22-27.	0.8	8
72	Ankle-â€œbrachial index and incident heart failure with reduced versus preserved ejection fraction: The Multi-Ethnic Study of Atherosclerosis. <i>Vascular Medicine</i> , 2019, 24, 501-510.	1.5	8

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73	Doppler Velocity Estimates of Internal Carotid Artery Stenosis: Angle Correction Parallel to the Color Doppler Lumen Versus Parallel to the Artery Wall. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3211-3218.	1.7	8
74	Coronary Artery Disease Events and Carotid Intima-Media Thickness in Type 1 Diabetes in the DCCT/EDIC Cohort. <i>Journal of the American Heart Association</i> , 2021, 10, e022922.	3.7	8
75	Left Ventricular Ejection Time Derived From the Common Carotid Artery Doppler Waveform. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 1237-1242.	1.7	7
76	Alcohol Consumption and Common Carotid Intima-Media Thickness: The USE-IMT Study. <i>Alcohol and Alcoholism</i> , 2017, 52, 483-486.	1.6	7
77	Long-Term Prognostic Implications and Role of Further Testing in Adults Aged ≥55 Years With a Coronary Calcium Score of Zero (from the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2021, 161, 26-35.	1.6	7
78	Relationship of change in traditional cardiometabolic risk factors to change in coronary artery calcification among individuals with detectable subclinical atherosclerosis: The multi-ethnic study of atherosclerosis. <i>International Journal of Cardiology</i> , 2014, 174, 51-56.	1.7	5
79	Association of Common Carotid Artery Doppler-Determined Dicrotic Notch Velocity With the Left Ventricular Ejection Fraction. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 461-467.	1.7	5
80	Serum Non-Esterified Fatty Acids, Carotid Artery Intima-Media Thickness and Flow-Mediated Dilation in Older Adults: The Cardiovascular Health Study (CHS). <i>Nutrients</i> , 2021, 13, 3052.	4.1	5
81	Associations of edge-detected and manual-traced common carotid artery intima-media thickness with incident peripheral artery disease: The Multi-Ethnic Study of Atherosclerosis. <i>Vascular Medicine</i> , 2019, 24, 306-312.	1.5	4
82	Total brachial artery reactivity and first time incident coronary heart disease events in a longitudinal cohort study: The multi-ethnic study of atherosclerosis. <i>PLoS ONE</i> , 2019, 14, e0211726.	2.5	4
83	Associations of carotid intima media thickness with gene expression in whole blood and genetically predicted gene expression across 48 tissues. <i>Human Molecular Genetics</i> , 2022, 31, 1171-1182.	2.9	4
84	Possible Associations between Scan Quality and Pain during Ultrasound Scanning: Results from the Society for Vascular Ultrasound 2009 Survey on Ergonomics. <i>Journal for Vascular Ultrasound</i> , 2010, 34, 171-174.	0.1	3
85	Value of Complete Full-Length Lower Extremity Sonography in Patients Undergoing Computed Tomographic Pulmonary Angiography. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 2137-2143.	1.7	3
86	Comparison of the Relation of Carotid Intima-Media Thickness With Incident Heart Failure With Reduced Versus Preserved Ejection Fraction (from the Multi-Ethnic Study of Atherosclerosis [MESA]). <i>American Journal of Cardiology</i> , 2021, 148, 102-109.	1.6	3
87	The 60° Doppler Angle Correction Paradigm. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 2227-2233.	1.7	3
88	Albuminuria in Rheumatoid Arthritis: Associations With Rheumatoid Arthritis Characteristics and Subclinical Atherosclerosis. <i>Arthritis Care and Research</i> , 2017, 69, 1799-1808.	3.4	2
89	Effect of Harmonic and Compound Imaging on Estimates of Carotid Artery Intima-Media Thickness. <i>Journal for Vascular Ultrasound</i> , 2010, 34, 185-188.	0.1	1
90	Sancta Simplicitas!. <i>Journal of the American Society of Echocardiography</i> , 2012, 25, 1137-1139.	2.8	1

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91	Measuring Carotid Intima-Media Thickness: Simple Protocols Have Advantages. Journal of the American Society of Echocardiography, 2012, 25, 1131-1134.	2.8	0
92	Do Common Carotid Artery Velocities Consistently Decrease With Proximity to the Bifurcation?. Journal for Vascular Ultrasound, 2019, 43, 186-188.	0.1	0
93	Serum Fasting Non-esterified Fatty Acids and Carotid Artery Intima-Media Thickness in Older Adults: The Cardiovascular Health Study. Current Developments in Nutrition, 2021, 5, 1043.	0.3	0