

Joseph F Polak

List of Publications by Year in descending order

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93
papers

11,469
citations

125106

35
h-index

51423

90
g-index

93
all docs

93
docs citations

93
times ranked

14418
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.	13.9	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.	3.6	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.	1.1	758
5	Carotid-Wall Intima—Media Thickness and Cardiovascular Events. <i>New England Journal of Medicine</i> , 2011, 365, 213-221.	13.9	678
6	Thickening of the Carotid Wall. <i>Stroke</i> , 1996, 27, 224-231.	1.0	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.	1.6	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.	1.0	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.	1.1	141
11	Segment-Specific Associations of Carotid Intima-Media Thickness With Cardiovascular Risk Factors. <i>Stroke</i> , 2010, 41, 9-15.	1.0	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.	0.8	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, .	1.6	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.	0.3	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.	0.5	104
16	Arterial Stiffness Is Associated With Regional Ventricular Systolic and Diastolic Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 194-201.	1.1	100
17	Risk Factors for Hospitalized Gastrointestinal Bleeding Among Older Persons. <i>Journal of the American Geriatrics Society</i> , 2001, 49, 126-133.	1.3	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.	1.5	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.	0.9	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.	1.1	80
22	Duplex Ultrasound Criteria for the Identification of Carotid Stenosis Should Be Laboratory Specific. <i>Stroke</i> , 1997, 28, 597-602.	1.0	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.	0.8	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.	1.3	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.	4.3	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, .	1.6	66
27	Common genetic variants and subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2016, 245, 230-236.	0.4	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.	1.1	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, .	1.6	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.	1.3	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.	1.0	48
32	P-selectin and subclinical and clinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2015, 240, 3-9.	0.4	47
33	Relationship of Carotid Distensibility and Thoracic Aorta Calcification. <i>Hypertension</i> , 2009, 54, 1408-1415.	1.3	43
34	Carotid Atherosclerosis and Cerebral Microbleeds: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2016, 5, e002377.	1.6	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.	0.6	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.	1.0	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. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 998-1005.e2.	1.2	36
38	Multisite atherosclerosis in subjects with metabolic syndrome and diabetes and relation to cardiovascular events: The Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2019, 282, 202-209.	0.4	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). <i>Atherosclerosis</i> , 2011, 218, 344-349.	0.4	34
40	Changes in Carotid Intima-Media Thickness During the Cardiac Cycle: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2012, 1, e001420.	1.6	34
41	Concentration of Smaller High-Density Lipoprotein Particle (HDL) Is Inversely Correlated With Carotid Intima Media Thickening After Confounder Adjustment: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	34
42	Normative values for carotid intima media thickness and its progression: Are they transferrable outside of their cohort of origin?. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 1165-1173.	0.8	33
43	Carotid Artery Plaque and Progression of Coronary Artery Calcium: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 548-555.	1.2	32
44	Secondhand Smoke Exposure and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	28
45	Hepatocyte growth factor is associated with progression of atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2018, 272, 162-167.	0.4	28
46	Inter-Reader Differences in Common Carotid Artery Intima-Media Thickness. <i>Journal of Ultrasound in Medicine</i> , 2011, 30, 915-920.	0.8	27
47	Nonalcoholic Fatty Liver Disease Is Associated With Arterial Distensibility and Carotid Intima-Media Thickness: (from the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2019, 124, 534-538.	0.7	26
48	Carotid Intima-Media Thickness. <i>Ultrasound Quarterly</i> , 2009, 25, 55-61.	0.3	24
49	Biomarkers of Cardiovascular Stress and Subclinical Atherosclerosis in the Community. <i>Clinical Chemistry</i> , 2014, 60, 1402-1408.	1.5	24
50	Childhood family psychosocial environment and carotid intima media thickness: The CARDIA study. <i>Social Science and Medicine</i> , 2014, 104, 15-22.	1.8	24
51	Hepatocyte growth factor demonstrates racial heterogeneity as a biomarker for coronary heart disease. <i>Heart</i> , 2017, 103, 1185-1193.	1.2	23
52	Associations of Coronary Heart Disease with Common Carotid Artery Near and Far Wall Intima-Media Thickness: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 1114-1121.	1.2	22
53	Mediterranean diet score and left ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis,. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 595-602.	2.2	22
54	Variations in Common Carotid Artery Intima-Media Thickness during the Cardiac Cycle: Implications for Cardiovascular Risk Assessment. <i>Journal of the American Society of Echocardiography</i> , 2012, 25, 1023-1028.	1.2	20

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55	Edge-€Detected Common Carotid Artery Intima-€Media Thickness and Incident Coronary Heart Disease in the Multi-€Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2015, 4, e001492.	1.6	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.	0.4	20
57	Predicting Long-Term Absence of Coronary Artery Calcium in Metabolic Syndrome and Diabetes. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 219-229.	2.3	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.	0.9	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.	0.8	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.	0.4	17
61	Mediation of Cardiovascular Risk Factor Effects Through Subclinical Vascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1778-1783.	1.1	15
62	Interleukin-6 Predicts Carotid Plaque Severity, Vulnerability, and Progression. <i>Circulation Research</i> , 2022, 131, .	2.0	15
63	Clustering of cardiovascular risk factors and carotid intima-media thickness: The USE-IMT study. <i>PLoS ONE</i> , 2017, 12, e0173393.	1.1	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.	0.5	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.	1.2	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.	2.2	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.	0.8	10
68	Pulmonary Scintigraphy and the Diagnosis of Pulmonary Embolism. <i>Clinics in Chest Medicine</i> , 1984, 5, 457-464.	0.8	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 < 70€mg/dL: The Multi-Ethnic Study of Atherosclerosis (MESA) and Brazilian Longitudinal Study of Adult Health (ELSA-Brasil). <i>Atherosclerosis</i> , 2018, 274, 61-66.	0.4	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.	0.4	8
72	Ankle-€brachial 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.	0.8	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.	0.8	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.	1.6	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.	0.8	7
76	Alcohol Consumption and Common Carotid Intima-Media Thickness: The USE-IMT Study. <i>Alcohol and Alcoholism</i> , 2017, 52, 483-486.	0.9	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.	0.7	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.	0.8	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.	0.8	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.	1.7	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.	0.8	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.	1.1	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.	1.4	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.	0.2	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.	0.8	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.	0.7	3
87	The 60° Doppler Angle Correction Paradigm. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 2227-2233.	0.8	3
88	Albuminuria in Rheumatoid Arthritis: Associations With Rheumatoid Arthritis Characteristics and Subclinical Atherosclerosis. <i>Arthritis Care and Research</i> , 2017, 69, 1799-1808.	1.5	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.	0.2	1
90	Sancta Simplicitas!. <i>Journal of the American Society of Echocardiography</i> , 2012, 25, 1137-1139.	1.2	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.	1.2	0
92	Do Common Carotid Artery Velocities Consistently Decrease With Proximity to the Bifurcation?. Journal for Vascular Ultrasound, 2019, 43, 186-188.	0.2	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.	0.1	0