Matthew J Budoff

List of Publications by Citations

1,149 papers	**53,902** citations	**114** h-index	**193** g-index
1,411 ext. papers	**65,297** ext. citations	**5** avg, IF	**7.47** L-index

#	Paper	IF	Citations
1149	Diagnostic performance of 64-multidetector row coronary computed tomographic angiography for evaluation of coronary artery stenosis in individuals without known coronary artery disease: results from the prospective multicenter ACCURACY (Assessment by Coronary Computed Tomographic Angiography of Individuals Undergoing Invasive Coronary Angiography) trial. *Journal of the*	15.1	1570
1148	Assessment of coronary artery disease by cardiac computed tomography: a scientific statement from the American Heart Association Committee on Cardiovascular Imaging and Intervention, Council on Cardiovascular Radiology and Intervention, and Committee on Cardiac Imaging, Council on Clinical Cardiology. *Circulation*, **2006**, 114, 1761-91	16.7	1069
1147	2010 ACCF/AHA guideline for assessment of cardiovascular risk in asymptomatic adults: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Journal of the American College of Cardiology*, **2010**, 56, e50-103	15.1	976
1146	Long-term prognosis associated with coronary calcification: observations from a registry of 25,253 patients. *Journal of the American College of Cardiology*, **2007**, 49, 1860-70	15.1	970
1145	HIV infection and the risk of acute myocardial infarction. *JAMA Internal Medicine*, **2013**, 173, 614-22	11.5	832
1144	ACCF/AHA 2007 clinical expert consensus document on coronary artery calcium scoring by computed tomography in global cardiovascular risk assessment and in evaluation of patients with chest pain: a report of the American College of Cardiology Foundation Clinical Expert Consensus Task Force (ACCF/AHA Writing Committee to Update the 2000 Expert Consensus Document on Electron Beam Computed Tomography) developed in collaboration with the Society of Cardio. *Journal of the American College of Cardiology*, **2007**, 49, 378-402	15.1	753
1143	Diagnostic accuracy of fractional flow reserve from anatomic CT angiography. *JAMA - Journal of the American Medical Association*, **2012**, 308, 1237-45	27.4	743
1142	SCCT guidelines for the interpretation and reporting of coronary computed tomographic angiography. *Journal of Cardiovascular Computed Tomography*, **2009**, 3, 122-36	2.8	582
1141	Genetic associations with valvular calcification and aortic stenosis. *New England Journal of Medicine*, **2013**, 368, 503-12	59.2	556
1140	Coronary artery calcification compared with carotid intima-media thickness in the prediction of cardiovascular disease incidence: the Multi-Ethnic Study of Atherosclerosis (MESA). *Archives of Internal Medicine*, **2008**, 168, 1333-9		541
1139	Age- and sex-related differences in all-cause mortality risk based on coronary computed tomography angiography findings results from the International Multicenter CONFIRM (Coronary CT Angiography Evaluation for Clinical Outcomes: An International Multicenter Registry) of 23,854 patients without known coronary artery disease. *Journal of the American College of Cardiology*	15.1	528
1138	From vulnerable plaque to vulnerable patient--Part III: Executive summary of the Screening for Heart Attack Prevention and Education (SHAPE) Task Force report. *American Journal of Cardiology*, **2006**, 98, 2H-15H	3	489
1137	2010 ACCF/AHA guideline for assessment of cardiovascular risk in asymptomatic adults: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation*, **2010**, 122, e584-636	16.7	451
1136	Diagnostic and prognostic value of absence of coronary artery calcification. *JACC: Cardiovascular Imaging*, **2009**, 2, 675-88	8.4	450
1135	ACCF/AHA 2007 clinical expert consensus document on coronary artery calcium scoring by computed tomography in global cardiovascular risk assessment and in evaluation of patients with chest pain: a report of the American College of Cardiology Foundation Clinical Expert Consensus Task Force (ACCF/AHA Writing Committee to Update the 2000 Expert Consensus Document on	16.7	399
1134	Vascular Effects of Early versus Late Postmenopausal Treatment with Estradiol. *New England Journal of Medicine*, **2016**, 374, 1221-31	59.2	382
1133	Role of noninvasive testing in the clinical evaluation of women with suspected coronary artery disease: Consensus statement from the Cardiac Imaging Committee, Council on Clinical Cardiology, and the Cardiovascular Imaging and Intervention Committee, Council on Cardiovascular Radiology and Intervention, American Heart Association. *Circulation*, **2005**, 111, 682-96	16.7	366

1132	Prognostic value of coronary calcification and angiographic stenoses in patients undergoing coronary angiography. *Journal of the American College of Cardiology*, **1996**, 27, 285-90	15.1	362
1131	Ultrafast computed tomography as a diagnostic modality in the detection of coronary artery disease: a multicenter study. *Circulation*, **1996**, 93, 898-904	16.7	358
1130	Calcium density of coronary artery plaque and risk of incident cardiovascular events. *JAMA - Journal of the American Medical Association*, **2014**, 311, 271-8	27.4	351
1129	Noninvasive coronary artery imaging: magnetic resonance angiography and multidetector computed tomography angiography: a scientific statement from the american heart association committee on cardiovascular imaging and intervention of the council on cardiovascular radiology ...	16.7	350
1128	10-Year Coronary Heart Disease Risk Prediction Using Coronary Artery Calcium and Traditional Risk Factors: Derivation in the MESA (Multi-Ethnic Study of Atherosclerosis) With Validation in the HNR (Heinz Nixdorf Recall) Study and the DHS (Dallas Heart Study). *Journal of the American College of Cardiology*, **2015**, 66, 1643-53	15.1	324
1127	High-sensitivity C-reactive protein and cardiovascular disease: a resolute belief or an elusive link?. *Journal of the American College of Cardiology*, **2013**, 62, 397-408	15.1	316
1126	An analysis of calibration and discrimination among multiple cardiovascular risk scores in a modern multiethnic cohort. *Annals of Internal Medicine*, **2015**, 162, 266-75	8	312
1125	CAD-RADS(TM) Coronary Artery Disease - Reporting and Data System. An expert consensus document of the Society of Cardiovascular Computed Tomography (SCCT), the American College of Radiology (ACR) and the North American Society for Cardiovascular Imaging (NASCI). Endorsed by the American College of Cardiology. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 269-81	2.8	312
1124	Coronary Calcium Score and Cardiovascular Risk. *Journal of the American College of Cardiology*, **2018**, 72, 434-447	15.1	309
1123	Absence of coronary artery calcification and all-cause mortality. *JACC: Cardiovascular Imaging*, **2009**, 2, 692-700	8.4	308
1122	Progression of coronary artery calcium predicts all-cause mortality. *JACC: Cardiovascular Imaging*, **2010**, 3, 1229-36	8.4	303
1121	Mortality incidence and the severity of coronary atherosclerosis assessed by computed tomography angiography. *Journal of the American College of Cardiology*, **2008**, 52, 1335-43	15.1	295
1120	Coronary calcium does not accurately predict near-term future coronary events in high-risk adults. *Circulation*, **1999**, 99, 2633-8	16.7	290
1119	Impact of coronary artery calcium scanning on coronary risk factors and downstream testing the EISNER (Early Identification of Subclinical Atherosclerosis by Noninvasive Imaging Research) prospective randomized trial. *Journal of the American College of Cardiology*, **2011**, 57, 1622-32	15.1	284
1118	Implications of Coronary Artery Calcium Testing Among Statin Candidates According to American College of Cardiology/American Heart Association Cholesterol Management Guidelines: MESA (Multi-Ethnic Study of Atherosclerosis). *Journal of the American College of Cardiology*, **2015**, 66, 1657-68	15.1	279
1117	2010 ACCF/AHA guideline for assessment of cardiovascular risk in asymptomatic adults: executive summary: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation*, **2010**, 122, 2748-64	16.7	279
1116	Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. *European Heart Journal*, **2017**, 38, 500-507	9.5	275
1115	Coronary calcium predicts events better with absolute calcium scores than age-sex-race/ethnicity percentiles: MESA (Multi-Ethnic Study of Atherosclerosis). *Journal of the American College of Cardiology*, **2009**, 53, 345-52	15.1	275

1114	Association between air pollution and coronary artery calcification within six metropolitan areas in the USA (the Multi-Ethnic Study of Atherosclerosis and Air Pollution): a longitudinal cohort study. *Lancet, The*, **2016**, 388, 696-704	40	273
1113	Progression of coronary calcium and incident coronary heart disease events: MESA (Multi-Ethnic Study of Atherosclerosis). *Journal of the American College of Cardiology*, **2013**, 61, 1231-9	15.1	253
1112	Fibroblast growth factor 23 is not associated with and does not induce arterial calcification. *Kidney International*, **2013**, 83, 1159-68	9.9	251
1111	Prevalence and severity of coronary artery disease and adverse events among symptomatic patients with coronary artery calcification scores of zero undergoing coronary computed tomography angiography: results from the CONFIRM (Coronary CT Angiography Evaluation for Clinical Outcomes: An International Multicenter) registry. *Journal of the American College of Cardiology*, 2011, 58, 1232-40	15.1	240
1110	American Society of Echocardiography clinical recommendations for multimodality cardiovascular imaging of patients with hypertrophic cardiomyopathy: Endorsed by the American Society of Nuclear Cardiology, Society for Cardiovascular Magnetic Resonance, and Society of Cardiovascular Computed Tomography. *Journal of the American Society of Echocardiography*, **2011**, 24, 473-98	5.8	239
1109	Role of Coronary Artery Calcium Score of Zero and Other Negative Risk Markers for Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*, **2016**, 133, 849-58	16.7	234
1108	Associations between C-reactive protein, coronary artery calcium, and cardiovascular events: implications for the JUPITER population from MESA, a population-based cohort study. *Lancet, The*, **2011**, 378, 684-92	40	232
1107	Associations between HIV infection and subclinical coronary atherosclerosis. *Annals of Internal Medicine*, **2014**, 160, 458-67	8	227
1106	A systematic review: burden and severity of subclinical cardiovascular disease among those with nonalcoholic fatty liver; should we care?. *Atherosclerosis*, **2013**, 230, 258-67	3.1	222
1105	ACCF/ACR/AHA/NASCI/SAIP/SCAI/SCCT 2010 expert consensus document on coronary computed tomographic angiography: a report of the American College of Cardiology Foundation Task Force on Expert Consensus Documents. *Journal of the American College of Cardiology*, **2010**, 55, 2663-99	15.1	219
1104	HMG CoA reductase inhibitor (statin) and aortic valve calcium. *Lancet, The*, **2002**, 359, 1125-6	40	216
1103	Arterial imaging outcomes and cardiovascular risk factors in recently menopausal women: a randomized trial. *Annals of Internal Medicine*, **2014**, 161, 249-60	8	215
1102	Screening patients with chest pain in the emergency department using electron beam tomography: a follow-up study. *Journal of the American College of Cardiology*, **2001**, 38, 105-10	15.1	214
1101	Hepatitis C virus infection and the risk of coronary disease. *Clinical Infectious Diseases*, **2009**, 49, 225-32	11.6	213
1100	Continuous probabilistic prediction of angiographically significant coronary artery disease using electron beam tomography. *Circulation*, **2002**, 105, 1791-6	16.7	211
1099	Testosterone Treatment and Coronary Artery Plaque Volume in Older Men With Low Testosterone. *JAMA - Journal of the American Medical Association*, **2017**, 317, 708-716	27.4	209
1098	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. *JAMA - Journal of the American Medical Association*, **2016**, 315, 672-81	27.4	209
1097	Ten-year association of coronary artery calcium with atherosclerotic cardiovascular disease (ASCVD) events: the multi-ethnic study of atherosclerosis (MESA). *European Heart Journal*, **2018**, 39, 2401-2408	9.5	206

1096	Prognostic Value of Noninvasive Cardiovascular Testing in Patients With Stable Chest Pain: Insights From the PROMISE Trial (Prospective Multicenter Imaging Study for Evaluation of Chest Pain). *Circulation*, **2017**, 135, 2320-2332	16.7	196
1095	Coronary artery calcium to predict all-cause mortality in elderly men and women. *Journal of the American College of Cardiology*, **2008**, 52, 17-23	15.1	195
1094	Features of the metabolic syndrome and diabetes mellitus as predictors of aortic valve calcification in the Multi-Ethnic Study of Atherosclerosis. *Circulation*, **2006**, 113, 2113-9	16.7	193
1093	Impact of coronary artery calcium on coronary heart disease events in individuals at the extremes of traditional risk factor burden: the Multi-Ethnic Study of Atherosclerosis. *European Heart Journal*, **2014**, 35, 2232-41	9.5	192
1092	Performance of the traditional age, sex, and angina typicality-based approach for estimating pretest probability of angiographically significant coronary artery disease in patients undergoing coronary computed tomographic angiography: results from the multinational coronary CT angiography evaluation for clinical outcomes: an international multicenter registry (CONFIRM).	16.7	192
1091	Rates of progression of coronary calcium by electron beam tomography. *American Journal of Cardiology*, **2000**, 86, 8-11	3	192
1090	Prognostic value of coronary CT angiography and calcium score for major adverse cardiac events in outpatients. *JACC: Cardiovascular Imaging*, **2012**, 5, 990-9	8.4	184
1089	Atherosclerotic plaque characteristics by CT angiography identify coronary lesions that cause ischemia: a direct comparison to fractional flow reserve. *JACC: Cardiovascular Imaging*, **2015**, 8, 1-10	8.4	183
1088	Post-traumatic stress disorder, coronary atherosclerosis, and mortality. *American Journal of Cardiology*, **2011**, 108, 29-33	3	181
1087	Coronary artery calcium progression: an important clinical measurement? A review of published reports. *Journal of the American College of Cardiology*, **2010**, 56, 1613-22	15.1	180
1086	Cardiovascular events with absent or minimal coronary calcification: the Multi-Ethnic Study of Atherosclerosis (MESA). *American Heart Journal*, **2009**, 158, 554-61	4.9	180
1085	Effects of Statins on Coronary Atherosclerotic Plaques: The PARADIGM Study. *JACC: Cardiovascular Imaging*, **2018**, 11, 1475-1484	8.4	177
1084	Dyslipidemia, coronary artery calcium, and incident atherosclerotic cardiovascular disease: implications for statin therapy from the multi-ethnic study of atherosclerosis. *Circulation*, **2014**, 129, 77-86	16.7	172
1083	Progression of coronary calcium on serial electron beam tomographic scanning is greater in patients with future myocardial infarction. *American Journal of Cardiology*, **2003**, 92, 827-9	3	171
1082	Whole-exome sequencing identifies rare and low-frequency coding variants associated with LDL cholesterol. *American Journal of Human Genetics*, **2014**, 94, 233-45	11	170
1081	Framingham risk equation underestimates subclinical atherosclerosis risk in asymptomatic women. *Atherosclerosis*, **2006**, 184, 201-6	3.1	169
1080	Noninvasive fractional flow reserve derived from computed tomography angiography for coronary lesions of intermediate stenosis severity: results from the DeFACTO study. *Circulation: Cardiovascular Imaging*, **2013**, 6, 881-9	3.9	168
1079	Incremental prognostic value of cardiac computed tomography in coronary artery disease using CONFIRM: COroNary computed tomography angiography evaluation for clinical outcomes: an InteRnational Multicenter registry. *Circulation: Cardiovascular Imaging*, **2011**, 4, 463-72	3.9	161

1078	ACCF/AHA clinical competence statement on cardiac imaging with computed tomography and magnetic resonance: a report of the American College of Cardiology Foundation/American Heart Association/American College of Physicians Task Force on Clinical Competence and Training. *Journal of the American College of Cardiology*, **2005**, 46, 383-402	15.1	161
1077	Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. *Journal of the American College of Cardiology*, **2018**, 71, 2511-2522	15.1	161
1076	Comparison of coronary artery calcium presence, carotid plaque presence, and carotid intima-media thickness for cardiovascular disease prediction in the Multi-Ethnic Study of Atherosclerosis. *Circulation: Cardiovascular Imaging*, **2015**, 8,	3.9	160
1075	Coronary computed tomographic angiography and risk of all-cause mortality and nonfatal myocardial infarction in subjects without chest pain syndrome from the CONFIRM Registry (coronary CT angiography evaluation for clinical outcomes: an international multicenter registry). *Circulation*, **2012**, 126, 304-13	16.7	160
1074	Clinical indications for coronary artery calcium scoring in asymptomatic patients: Expert consensus statement from the Society of Cardiovascular Computed Tomography. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 157-168	2.8	159
1073	2016 SCCT/STR guidelines for coronary artery calcium scoring of noncontrast noncardiac chest CT scans: A report of the Society of Cardiovascular Computed Tomography and Society of Thoracic Radiology. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 74-84	2.8	157
1072	Relationship of cigarette smoking with inflammation and subclinical vascular disease: the Multi-Ethnic Study of Atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1002-10	9.4	157
1071	Optimized prognostic score for coronary computed tomographic angiography: results from the CONFIRM registry (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational Multicenter Registry). *Journal of the American College of Cardiology*, **2013**, 62, 468-76	15.1	156
1070	Normal thoracic aorta diameter on cardiac computed tomography in healthy asymptomatic adults: impact of age and gender. *Academic Radiology*, **2008**, 15, 827-34	4.3	155
1069	Coronary Artery Calcification and Risk of Cardiovascular Disease and Death Among Patients With Chronic Kidney Disease. *JAMA Cardiology*, **2017**, 2, 635-643	16.2	154
1068	Expert review on coronary calcium. *Vascular Health and Risk Management*, **2008**, 4, 315-24	4.4	147
1067	Patient management after noninvasive cardiac imaging results from SPARC (Study of myocardial perfusion and coronary anatomy imaging roles in coronary artery disease). *Journal of the American College of Cardiology*, **2012**, 59, 462-74	15.1	143
1066	Endogenous Sex Hormones and Incident Cardiovascular Disease in Post-Menopausal Women. *Journal of the American College of Cardiology*, **2018**, 71, 2555-2566	15.1	143
1065	Effects of Testosterone Administration for 3 Years on Subclinical Atherosclerosis Progression in Older Men With Low or Low-Normal Testosterone Levels: A Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2015**, 314, 570-81	27.4	142
1064	Coronary artery motion during the cardiac cycle and optimal ECG triggering for coronary artery imaging. *Investigative Radiology*, **2001**, 36, 250-6	10.1	141
1063	HIV infection, cardiovascular disease risk factor profile, and risk for acute myocardial infarction. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2015**, 68, 209-16	3.1	139
1062	ACCF/ACR/AHA/NASCI/SAIP/SCAI/SCCT 2010 expert consensus document on coronary computed tomographic angiography: a report of the American College of Cardiology Foundation Task Force on Expert Consensus Documents. *Circulation*, **2010**, 121, 2509-43	16.7	139
1061	Impact of subclinical atherosclerosis on cardiovascular disease events in individuals with metabolic syndrome and diabetes: the multi-ethnic study of atherosclerosis. *Diabetes Care*, **2011**, 34, 2285-90	14.6	138

1060	Visualizing coronary calcium is associated with improvements in adherence to statin therapy. *Atherosclerosis*, **2006**, 185, 394-9	3.1	138
1059	Use of coronary artery calcium testing to guide aspirin utilization for primary prevention: estimates from the multi-ethnic study of atherosclerosis. *Circulation: Cardiovascular Quality and Outcomes*, **2014**, 7, 453-60	5.8	137
1058	Coronary artery and thoracic calcium on noncontrast thoracic CT scans: comparison of ungated and gated examinations in patients from the COPD Gene cohort. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 113-8	2.8	136
1057	Relationship of estimated GFR and coronary artery calcification in the CRIC (Chronic Renal Insufficiency Cohort) Study. *American Journal of Kidney Diseases*, **2011**, 58, 519-26	7.4	136
1056	Association of low-density lipoprotein cholesterol-related genetic variants with aortic valve calcium and incident aortic stenosis. *JAMA - Journal of the American Medical Association*, **2014**, 312, 1764-71	27.4	134
1055	Family history of premature coronary heart disease and coronary artery calcification: Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*, **2007**, 116, 619-26	16.7	134
1054	Interplay of coronary artery calcification and traditional risk factors for the prediction of all-cause mortality in asymptomatic individuals. *Circulation: Cardiovascular Imaging*, **2012**, 5, 467-73	3.9	131
1053	Coronary artery calcification and family history of premature coronary heart disease: sibling history is more strongly associated than parental history. *Circulation*, **2004**, 110, 2150-6	16.7	131
1052	Fine particulate air pollution and the progression of carotid intima-medial thickness: a prospective cohort study from the multi-ethnic study of atherosclerosis and air pollution. *PLoS Medicine*, **2013**, 10, e1001430	11.6	130
1051	Hypovitaminosis D in chronic kidney disease. *Clinical Journal of the American Society of Nephrology: CJASN*, **2008**, 3, 1144-51	6.9	127
1050	Elevated levels of monocyte activation markers are associated with subclinical atherosclerosis in men with and those without HIV infection. *Journal of Infectious Diseases*, **2015**, 211, 1219-28	7	126
1049	Ethnic differences of the presence and severity of coronary atherosclerosis. *Atherosclerosis*, **2006**, 187, 343-50	3.1	126
1048	Coronary computed tomographic angiography as a gatekeeper to invasive diagnostic and surgical procedures: results from the multicenter CONFIRM (Coronary CT Angiography Evaluation for Clinical Outcomes: an International Multicenter) registry. *Journal of the American College of Cardiology*, **2012**, 60, 2103-14	15.1	124
1047	Thoracic aortic calcification and coronary heart disease events: the multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*, **2011**, 215, 196-202	3.1	124
1046	Relationships of mitral annular calcification to cardiovascular risk factors: the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*, **2010**, 213, 558-62	3.1	123
1045	The association of nonalcoholic fatty liver disease, obesity, and metabolic syndrome, with systemic inflammation and subclinical atherosclerosis: the Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*, **2015**, 239, 629-33	3.1	122
1044	Nonalcoholic fatty liver disease and serum lipoproteins: the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*, **2013**, 227, 429-36	3.1	122
1043	Coronary artery calcium for the prediction of mortality in young adults 75 years old. *European Heart Journal*, **2012**, 33, 2955-62	9.5	122

1042 Rationale and design of the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational Multicenter) Registry. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 84-92 — 2.8 — 120

1041 Ethnic differences in the prognostic value of coronary artery calcification for all-cause mortality. *Journal of the American College of Cardiology*, **2007**, 50, 953-60 — 15.1 — 120

1040 Effect of icosapent ethyl on progression of coronary atherosclerosis in patients with elevated triglycerides on statin therapy: final results of the EVAPORATE trial. *European Heart Journal*, **2020**, 41, 3925-3932 — 9.5 — 120

1039 Prognostic Value of Coronary Artery Calcium in the PROMISE Study (Prospective Multicenter Imaging Study for Evaluation of Chest Pain). *Circulation*, **2017**, 136, 1993-2005 — 16.7 — 117

1038 Aged garlic extract supplemented with B vitamins, folic acid and L-arginine retards the progression of subclinical atherosclerosis: a randomized clinical trial. *Preventive Medicine*, **2009**, 49, 101-7 — 4.3 — 116

1037 Serum fetuin-A in nondialyzed patients with diabetic nephropathy: relationship with coronary artery calcification. *Kidney International*, **2005**, 67, 1070-7 — 9.9 — 116

1036 Markers of inflammation and coronary artery calcification: a systematic review. *Atherosclerosis*, **2008**, 201, 1-7 — 3.1 — 114

1035 Clinical utility of computed tomography and magnetic resonance techniques for noninvasive coronary angiography. *Journal of the American College of Cardiology*, **2003**, 42, 1867-78 — 15.1 — 114

1034 Prospective study of particulate air pollution exposures, subclinical atherosclerosis, and clinical cardiovascular disease: The Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). *American Journal of Epidemiology*, **2012**, 176, 825-37 — 3.8 — 113

1033 Long-Term Prognosis After Coronary Artery Calcification Testing in Asymptomatic Patients: A Cohort Study. *Annals of Internal Medicine*, **2015**, 163, 14-21 — 8 — 110

1032 Coronary calcium and standard risk factors in symptomatic patients referred for coronary angiography. *American Heart Journal*, **1998**, 135, 696-702 — 4.9 — 110

1031 Prevalence, extent and composition of coronary plaque in patients with rheumatoid arthritis without symptoms or prior diagnosis of coronary artery disease. *Annals of the Rheumatic Diseases*, **2014**, 73, 1797-804 — 2.4 — 109

1030 Mediators of Atherosclerosis in South Asians Living in America (MASALA) study: objectives, methods, and cohort description. *Clinical Cardiology*, **2013**, 36, 713-720 — 3.3 — 109

1029 Intravenous three-dimensional coronary angiography using contrast enhanced electron beam computed tomography. *American Journal of Cardiology*, **1999**, 83, 840-5 — 3 — 107

1028 Computed tomography scans in the evaluation of fatty liver disease in a population based study: the multi-ethnic study of atherosclerosis. *Academic Radiology*, **2012**, 19, 811-8 — 4.3 — 106

1027 Ethnic differences in coronary atherosclerosis. *Journal of the American College of Cardiology*, **2002**, 39, 408-12 — 15.1 — 105

1026 Incidence and progression of aortic valve calcium in the Multi-ethnic Study of Atherosclerosis (MESA). *American Journal of Cardiology*, **2010**, 105, 701-8 — 3 — 103

1025 2010 ACCF/AHA Guideline for Assessment of Cardiovascular Risk in Asymptomatic Adults: Executive Summary: A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines Developed in Collaboration With the American Society of Echocardiography, American Society of Nuclear Cardiology, Society of Atherosclerosis Imaging and Prevention, Society for Cardiovascular Angiography and Interventions, Society of Cardiovascular Computed Tomography, and Society for Ca. *Journal of the American College of Cardiology*, **2010**, 56, 2182-2199 — 15.1 — 102

1024	Prognostic and therapeutic implications of statin and aspirin therapy in individuals with nonobstructive coronary artery disease: results from the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational Multicenter registry) registry. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 981-9	9.4	101
1023	Estimating mean annual 25-hydroxyvitamin D concentrations from single measurements: the Multi-Ethnic Study of Atherosclerosis. *American Journal of Clinical Nutrition*, **2013**, 97, 1243-51	7	101
1022	HIV infection and cardiovascular disease in women. *Journal of the American Heart Association*, **2014**, 3, e001035	6	100
1021	Effect of statin treatment on coronary plaque progression - a serial coronary CT angiography study. *Atherosclerosis*, **2013**, 231, 198-204	3.1	100
1020	Association of serum alkaline phosphatase with coronary artery calcification in maintenance hemodialysis patients. *Clinical Journal of the American Society of Nephrology: CJASN*, **2009**, 4, 1106-14	6.9	100
1019	A systematic review of internet-based worksite wellness approaches for cardiovascular disease risk management: outcomes, challenges & opportunities. *PLoS ONE*, **2014**, 9, e83594	3.7	99
1018	Cardiorenal syndrome: pathophysiology and potential targets for clinical management. *Nature Reviews Nephrology*, **2013**, 9, 99-111	14.9	99
1017	Relation of coronary calcium score by electron beam computed tomography to arteriographic findings in asymptomatic and symptomatic adults. *American Journal of Cardiology*, **1997**, 79, 128-33	3	98
1016	CT angiography (CTA) and diagnostic performance of noninvasive fractional flow reserve: results from the Determination of Fractional Flow Reserve by Anatomic CTA (DeFACTO) study. *American Journal of Roentgenology*, **2014**, 202, 989-94	5.4	97
1015	Coronary Artery Disease - Reporting and Data System (CAD-RADS): An Expert Consensus Document of SCCT, ACR and NASCI: Endorsed by the ACC. *JACC: Cardiovascular Imaging*, **2016**, 9, 1099-1113	8.4	97
1014	Reproducibility of CT measurements of aortic valve calcification, mitral annulus calcification, and aortic wall calcification in the multi-ethnic study of atherosclerosis. *Academic Radiology*, **2006**, 13, 166-72	4.3	96
1013	Inhibiting progression of coronary calcification using Aged Garlic Extract in patients receiving statin therapy: a preliminary study. *Preventive Medicine*, **2004**, 39, 985-91	4.3	96
1012	Coronary Artery Calcium Score for Long-term Risk Classification in Individuals With Type 2 Diabetes and Metabolic Syndrome From the Multi-Ethnic Study of Atherosclerosis. *JAMA Cardiology*, **2017**, 2, 1332-1340	16.2	95
1011	Rationale and design of the DeFACTO (Determination of Fractional Flow Reserve by Anatomic Computed Tomographic AngiOgraphy) study. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 301-9	2.8	95
1010	Methods and baseline cardiovascular data from the Early versus Late Intervention Trial with Estradiol testing the menopausal hormone timing hypothesis. *Menopause*, **2015**, 22, 391-401	2.5	94
1009	Maximization of the usage of coronary CTA derived plaque information using a machine learning based algorithm to improve risk stratification; insights from the CONFIRM registry. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 204-209	2.8	94
1008	Progression of coronary artery calcium and occurrence of myocardial infarction in patients with and without diabetes mellitus. *Hypertension*, **2005**, 46, 238-43	8.5	94
1007	Total and individual coronary artery calcium scores as independent predictors of mortality in hemodialysis patients. *American Journal of Nephrology*, **2010**, 31, 419-25	4.6	93

1006	Triglycerides and Triglyceride-Rich Lipoproteins in the Causal Pathway of Cardiovascular Disease. *American Journal of Cardiology*, **2016**, 118, 138-45	3	92
1005	Bisphosphonate Use and Prevalence of Valvular and Vascular Calcification in Women MESA (The Multi-Ethnic Study of Atherosclerosis). *Journal of the American College of Cardiology*, **2010**, 56, 1752-9	15.1	90
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