

Jamal S Rana

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

4,056
citations

147566

31
h-index

123241

61
g-index

106
all docs

106
docs citations

106
times ranked

6554
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Trends in Cardiovascular Mortality in the United States and Public Health Goals. <i>JAMA Cardiology</i> , 2016, 1, 594.	3.0	405
2	Impact of Coronary Artery Calcium Scanning on Coronary Risk Factors and Downstream Testing. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1622-1632.	1.2	390
3	National Trends in Statin Use and Expenditures in the US Adult Population From 2002 to 2013. <i>JAMA Cardiology</i> , 2017, 2, 56.	3.0	297
4	Accuracy of the Atherosclerotic Cardiovascular Risk Equation in a Large Contemporary, Multiethnic Population. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2118-2130.	1.2	227
5	Coronary artery calcium for the prediction of mortality in young adults <45 years old and elderly adults >75 years old. <i>European Heart Journal</i> , 2012, 33, 2955-2962.	1.0	164
6	Associations of Blood Pressure and Cholesterol Levels During Young Adulthood With Later Cardiovascular Events. <i>Journal of the American College of Cardiology</i> , 2019, 74, 330-341.	1.2	154
7	Differences in Prevalence, Extent, Severity, and Prognosis of Coronary Artery Disease Among Patients With and Without Diabetes Undergoing Coronary Computed Tomography Angiography. <i>Diabetes Care</i> , 2012, 35, 1787-1794.	4.3	120
8	Association of Fitness in Young Adulthood With Survival and Cardiovascular Risk. <i>JAMA Internal Medicine</i> , 2016, 176, 87.	2.6	115
9	Medical Marijuana, Recreational Cannabis, and Cardiovascular Health: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2020, 142, e131-e152.	1.6	115
10	Diabetes and Prior Coronary Heart Disease are Not Necessarily Risk Equivalent for Future Coronary Heart Disease Events. <i>Journal of General Internal Medicine</i> , 2016, 31, 387-393.	1.3	105
11	Association Between Aging of the US Population and Heart Disease Mortality From 2011 to 2017. <i>JAMA Cardiology</i> , 2019, 4, 1280.	3.0	101
12	Inflammatory biomarkers, physical activity, waist circumference, and risk of future coronary heart disease in healthy men and women. <i>European Heart Journal</i> , 2011, 32, 336-344.	1.0	93
13	Association Between Life's Simple 7 and Noncardiovascular Disease: The Multiethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	92
14	Changes in Mortality in Top 10 Causes of Death from 2011 to 2018. <i>Journal of General Internal Medicine</i> , 2021, 36, 2517-2518.	1.3	84
15	Cumulative Lifetime Marijuana Use and Incident Cardiovascular Disease in Middle Age: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>American Journal of Public Health</i> , 2017, 107, 601-606.	1.5	81
16	Life's Simple 7 and Incident Heart Failure: The Multiethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	80
17	Sedentary Time, Physical Activity, and Adiposity: Cross-sectional and Longitudinal Associations in CARDIA. <i>American Journal of Preventive Medicine</i> , 2017, 53, 764-771.	1.6	71
18	25-Year Physical Activity Trajectories and Development of Subclinical Coronary Artery Disease as Measured by Coronary Artery Calcium: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>Mayo Clinic Proceedings</i> , 2017, 92, 1660-1670.	1.4	67

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19	Duration of Diabetes and Prediabetes During Adulthood and Subclinical Atherosclerosis and Cardiac Dysfunction in Middle Age: The CARDIA Study. <i>Diabetes Care</i> , 2018, 41, 731-738.	4.3	66
20	Comparative Value of Coronary Artery Calcium and Multiple Blood Biomarkers for Prognostication of Cardiovascular Events. <i>American Journal of Cardiology</i> , 2012, 109, 1449-1453.	0.7	57
21	The Role of Non-HDL Cholesterol in Risk Stratification for Coronary Artery Disease. <i>Current Atherosclerosis Reports</i> , 2012, 14, 130-134.	2.0	56
22	Pathobiological Determinants of Atherosclerosis in Youth (PDAY) Risk Score in Young Adults Predicts Coronary Artery and Abdominal Aorta Calcium in Middle Age. <i>Circulation</i> , 2016, 133, 139-146.	1.6	55
23	Gestational Diabetes History and Glucose Tolerance After Pregnancy Associated With Coronary Artery Calcium in Women During Midlife. <i>Circulation</i> , 2021, 143, 974-987.	1.6	49
24	Life's Simple 7 and the risk of atrial fibrillation: The Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2018, 275, 174-181.	0.4	48
25	Fitness in Young Adulthood and Long-Term Cardiac Structure and Function. <i>JACC: Heart Failure</i> , 2017, 5, 347-355.	1.9	47
26	Heterogeneity in national U.S. mortality trends within heart disease subgroups, 2000â€“2015. <i>BMC Cardiovascular Disorders</i> , 2017, 17, 192.	0.7	46
27	Dyslipidemia in diabetes mellitus and cardiovascular disease. <i>Cardiovascular Endocrinology</i> , 2017, 6, 27-32.	0.8	41
28	Metabolic Dyslipidemia and Risk of Coronary Heart Disease in 28,318 Adults With Diabetes Mellitus and Low-Density Lipoprotein Cholesterol <100Âmg/dl. <i>American Journal of Cardiology</i> , 2015, 116, 1700-1704.	0.7	39
29	Changes in Patterns of Hospital Visits for Acute Myocardial Infarction or Ischemic Stroke During COVID-19 Surges. <i>JAMA - Journal of the American Medical Association</i> , 2021, 326, 82.	3.8	37
30	Marijuana use and risk of prediabetes and diabetes by middle adulthood: the Coronary Artery Risk Development in Young Adults (CARDIA) study. <i>Diabetologia</i> , 2015, 58, 2736-2744.	2.9	34
31	Metabolic dyslipidemia and risk of future coronary heart disease in apparently healthy men and women: The EPIC-Norfolk prospective population study. <i>International Journal of Cardiology</i> , 2010, 143, 399-404.	0.8	33
32	Comparative Trends in Heart Disease, Stroke, and All-Cause Mortality in the United States and a Large Integrated Healthcare Delivery System. <i>American Journal of Medicine</i> , 2018, 131, 829-836.e1.	0.6	32
33	Cumulative Adherence to Secondary Prevention Guidelines and Mortality After Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014415.	1.6	32
34	Lifetime marijuana use and subclinical atherosclerosis: the Coronary Artery Risk Development in Young Adults (CARDIA) study. <i>Addiction</i> , 2018, 113, 845-856.	1.7	31
35	Economic Impact of Moderateâ€“Vigorous Physical Activity Among Those With and Without Established Cardiovascular Disease: 2012 Medical Expenditure Panel Survey. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	29
36	Persistent socioeconomic disparities in cardiovascular risk factors and health in the United States: Medical Expenditure Panel Survey 2002â€“2013. <i>Atherosclerosis</i> , 2018, 269, 301-305.	0.4	27

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37	Risk of Cardiometabolic Risk Factors in Women With and Without a History of Breast Cancer: The Pathways Heart Study. <i>Journal of Clinical Oncology</i> , 2022, 40, 1635-1646.	0.8	27
38	Role for Combination Therapy in Diabetic Dyslipidemia. <i>Current Cardiology Reports</i> , 2015, 17, 32.	1.3	26
39	A Shift Toward a Plant-Centered Diet From Young to Middle Adulthood and Subsequent Risk of Type 2 Diabetes and Weight Gain: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>Diabetes Care</i> , 2020, 43, 2796-2803.	4.3	25
40	The Implication of Coronary Artery Calcium Testing for Cardiovascular Disease Prevention and Diabetes. <i>Endocrinology and Metabolism</i> , 2017, 32, 47.	1.3	24
41	National Trends in Nonstatin Use and Expenditures Among the US Adult Population From 2002 to 2013: Insights From Medical Expenditure Panel Survey. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	21
42	Risk Stratification for Primary Prevention of Coronary Artery Disease: Roles of C-Reactive Protein and Coronary Artery Calcium. <i>Current Cardiology Reports</i> , 2015, 17, 110.	1.3	20
43	Long-Term Blood Pressure Variability in Young Adulthood and Coronary Artery Calcium and Carotid Intima-Media Thickness in Midlife. <i>Hypertension</i> , 2020, 76, 404-409.	1.3	19
44	Contemporary Reevaluation of Race and Ethnicity With Outcomes in Heart Failure. <i>Journal of the American Heart Association</i> , 2021, 10, e016601.	1.6	19
45	Plant-Centered Diet and Risk of Incident Cardiovascular Disease During Young to Middle Adulthood. <i>Journal of the American Heart Association</i> , 2021, 10, e020718.	1.6	18
46	Combination of Myocardial Perfusion Imaging and Coronary Artery Calcium Scanning: Potential Synergies for Improving Risk Assessment in Subjects with Suspected Coronary Artery Disease. <i>Current Atherosclerosis Reports</i> , 2011, 13, 381-389.	2.0	17
47	Association of allergic rhinitis, coronary heart disease, cerebrovascular disease, and all-cause mortality. <i>Annals of Allergy, Asthma and Immunology</i> , 2016, 117, 359-364.e1.	0.5	17
48	Diabetic Dyslipidemia: Epidemiology and Prevention of Cardiovascular Disease and Implications of Newer Therapies. <i>Current Cardiology Reports</i> , 2018, 20, 125.	1.3	15
49	Community-Based Trends in Acute Myocardial Infarction From 2008 to 2014. <i>Journal of the American College of Cardiology</i> , 2016, 68, 666-668.	1.2	12
50	Association Between Modifiable Risk Factors and Pharmaceutical Expenditures Among Adults With Atherosclerotic Cardiovascular Disease in the United States: 2012-2013 Medical Expenditures Panel Survey. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	12
51	Sex differences in cardiovascular risk factors before and after the development of type 2 diabetes and risk for incident cardiovascular disease. <i>Diabetes Research and Clinical Practice</i> , 2020, 166, 108334.	1.1	12
52	Physical Activity and Hypertension From Young Adulthood to Middle Age. <i>American Journal of Preventive Medicine</i> , 2021, 60, 757-765.	1.6	12
53	Moderate-to-vigorous intensity physical activity from young adulthood to middle age and metabolic disease: a 30-year population-based cohort study. <i>British Journal of Sports Medicine</i> , 2022, 56, 847-853.	3.1	12
54	Resting Heart Rate and Metabolic Syndrome in Patients With Diabetes and Coronary Artery Disease in Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) Trial. <i>Preventive Cardiology</i> , 2010, 13, 112-6.	1.1	11

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55	Evolution of Percutaneous Coronary Intervention in Patients with Diabetes: A report from the National Heart, Lung, and Blood Institute-sponsored PTCA (1985-1986) and Dynamic (1997-2006) Registries. <i>Diabetes Care</i> , 2010, 33, 1976-1982.	4.3	11
56	Enhanced external counterpulsation inhibits endothelial apoptosis via modulation of BIRC2 and Apaf-1 genes in porcine hypercholesterolemia. <i>International Journal of Cardiology</i> , 2014, 171, 161-168.	0.8	11
57	Favorable cardiovascular risk factor profile is associated with lower healthcare expenditure and resource utilization among adults with diabetes mellitus free of established cardiovascular disease: 2012 Medical Expenditure Panel Survey (MEPS). <i>Atherosclerosis</i> , 2017, 258, 79-83.	0.4	11
58	Favorable Modifiable Cardiovascular Risk Profile Is Associated With Lower Healthcare Costs Among Cancer Patients: The 2012-2013 Medical Expenditure Panel Survey. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	11
59	Improved Cardiovascular Risk Factors Control Associated with a Large-Scale Population Management Program Among Diabetes Patients. <i>American Journal of Medicine</i> , 2018, 131, 661-668.	0.6	11
60	Association of Low-Density Lipoprotein Testing After an Atherosclerotic Cardiovascular Event with Subsequent Statin Adherence and Intensification. <i>American Journal of Medicine</i> , 2022, 135, 603-606.	0.6	11
61	CAC for Risk Stratification Among Individuals With Hypertriglyceridemia Free of Clinical Atherosclerotic Cardiovascular Disease. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 641-651.	2.3	11
62	Utility of novel serum biomarkers to predict subclinical atherosclerosis: A sub-analysis of the EISNER study. <i>Atherosclerosis</i> , 2019, 282, 80-84.	0.4	10
63	Temporal Changes in Resting Heart Rate, Left Ventricular Dysfunction, Heart Failure and Cardiovascular Disease: CARDIA Study. <i>American Journal of Medicine</i> , 2020, 133, 946-953.	0.6	10
64	Epidemiology and risk factors for stroke in young individuals: implications for prevention. <i>Current Opinion in Cardiology</i> , 2021, 36, 565-571.	0.8	10
65	Severe Hypoglycemia and Risk of Atherosclerotic Cardiovascular Disease in Patients With Diabetes. <i>Diabetes Care</i> , 2021, 44, e40-e41.	4.3	9
66	Should we change our lipid management strategies to focus on non-high-density lipoprotein cholesterol?. <i>Current Opinion in Cardiology</i> , 2010, 25, 622-626.	0.8	8
67	Ethnic Differences in Risk of Coronary Heart Disease in a Large Contemporary Population. <i>American Journal of Preventive Medicine</i> , 2016, 50, 637-641.	1.6	8
68	Simple Nutrient-Based Rules vs. a Nutritionally Rich Plant-Centered Diet in Prediction of Future Coronary Heart Disease and Stroke: Prospective Observational Study in the US. <i>Nutrients</i> , 2022, 14, 469.	1.7	8
69	Cumulative Marijuana Use and Carotid Intima-Media Thickness at Middle Age: The CARDIA Study. <i>American Journal of Medicine</i> , 2021, 134, 777-787.e9.	0.6	7
70	Risk of Cardiovascular Events in Patients With Type 2 Diabetes and Metabolic Dyslipidemia Without Prevalent Atherosclerotic Cardiovascular Disease. <i>American Journal of Medicine</i> , 2020, 133, 200-206.	0.6	6
71	Highlights of Cardiovascular Disease Studies Presented at the 2021 American Heart Association Scientific Sessions. <i>Current Atherosclerosis Reports</i> , 2022, 24, 61.	2.0	6
72	Risk of Incident Atherosclerotic Cardiovascular Disease Events by Achieved Atherogenic Lipid Levels Among 62,428 Statin-Treated Individuals With Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2018, 122, 762-767.	0.7	5

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73	Racial and sex differences in biological and chronological heart age in the Coronary Artery Risk Development in Young Adults study. <i>Annals of Epidemiology</i> , 2019, 33, 24-29.	0.9	5
74	Association between marijuana use and electrocardiographic abnormalities by middle age: the Coronary Artery Risk Development in Young Adults (CARDIA) study. <i>Addiction</i> , 2021, 116, 583-595.	1.7	5
75	Smoking and Risk of Premature Atherosclerotic Cardiovascular Disease. <i>American Journal of Preventive Medicine</i> , 2022, 62, 466-468.	1.6	5
76	Highlights of Cardiovascular Disease Prevention Studies Presented at the 2022 American College of Cardiology Scientific Sessions. <i>Current Atherosclerosis Reports</i> , 0, , .	2.0	5
77	Dyspnea predicts mortality among patients undergoing coronary computed tomographic angiography. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 329-337.	0.7	4
78	Differential Cardiometabolic Risk Factor Clustering Across U.S. Asian Ethnic Groups. <i>American Journal of Preventive Medicine</i> , 2022, 62, e129-e131.	1.6	4
79	Impact of Asleep and 24-Hour Blood Pressure Data on the Prevalence of Masked Hypertension by Race/Ethnicity. <i>American Journal of Hypertension</i> , 2022, 35, 627-637.	1.0	4
80	Is diabetes mellitus equivalent to atherosclerotic cardiovascular disease from a healthcare cost perspective? Insights from the Medical Expenditure Panel Survey: 2010-2013. <i>Cardiovascular Endocrinology and Metabolism</i> , 2018, 7, 64-67.	0.5	3
81	Risk of Cardiovascular Disease Among Young Adults. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1559-1560.	1.2	3
82	Adherence to Cardio-protective Medications Prescribed for Secondary Prevention after an Acute Coronary Syndrome Hospitalization Compared to Usual Care. <i>Journal of General Internal Medicine</i> , 2018, 33, 1621-1622.	1.3	3
83	Real-world management and outcomes of 7 million patients with acute coronary syndrome according to clinical research trial enrolment status: a propensity matched analysis. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2022, 8, 409-419.	1.8	3
84	Are All Individuals With Diabetes Equal, or Some More Equal Than Others?. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1289-1291.	2.3	2
85	Reis et al. Respond. <i>American Journal of Public Health</i> , 2018, 108, e12-e12.	1.5	2
86	Risk adjusted 30-day mortality and serious adverse event rates among a large, multi-center cohort of emergency department patients with acute heart failure. <i>Journal of the American College of Emergency Physicians Open</i> , 2022, 3, .	0.4	2
87	Case Discussion. <i>ICU Director</i> , 2010, 1, 28-34.	0.2	1
88	Cardiac Metastasis of Nonvisceral Soft-tissue Leiomyosarcoma. <i>Reviews in Cardiovascular Medicine</i> , 2017, 18, 78-81.	0.5	1
89	The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>American Journal of Medicine</i> , 2022, 135, 871-878.e14.	0.6	1
90	Biomarkers and Assessment of Subclinical Atherosclerosis for the Prediction of Cardiovascular Disease: What is the Current Evidence?. <i>Current Cardiovascular Risk Reports</i> , 2013, 7, 108-112.	0.8	0

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91	A pilot study to assess the utility of five established variables to standardize exercise treadmill test reporting. <i>International Journal of Cardiology</i> , 2017, 231, 271-276.	0.8	0
92	Letter by Nwabuo and Rana Regarding Article, "Increased Myocardial Stiffness in Patients With High-Risk Left Ventricular Hypertrophy: The Hallmark of Stage-B Heart Failure With Preserved Ejection Fraction". <i>Circulation</i> , 2020, 141, e817-e818.	1.6	0
93	The Reply. <i>American Journal of Medicine</i> , 2021, 134, e69.	0.6	0
94	Which Predicts Incident Cardiovascular Disease Better: A Plant-Centered Diet or a Low-Saturated Fat Diet? The Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>Current Developments in Nutrition</i> , 2021, 5, 1019.	0.1	0
95	Abstract 368: Family History of Premature Cardiac Events and Sub Clinical Atherosclerosis in Children and Young Adults: A Systematic Review. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, .	1.1	0
96	Abstract 9958: Fitness in Young Adulthood is Independently Associated With Improved Survival and Cardiovascular Risk: The CARDIA study. <i>Circulation</i> , 2015, 132, .	1.6	0
97	Abstract 13: Economic Impact of Moderate-vigorous Physical Activity Among Those with and without Established Cardiovascular Disease: 2012 Medical Expenditure Panel Survey. <i>Circulation</i> , 2016, 133, .	1.6	0
98	Abstract 25: Favorable Modifiable Cardiovascular Risk Profile is Associated with Lower Healthcare Costs: The 2012 Medical Expenditure Panel Survey. <i>Circulation</i> , 2016, 133, .	1.6	0
99	Abstract P069: Modifiable Risk Factors as Drivers of Pharmaceutical Expenditures Among US Adults with Atherosclerotic Heart Disease: 2012 Medical Expenditure Panel Survey. <i>Circulation</i> , 2016, 133, .	1.6	0
100	Abstract 244: Sex-based Differences in Economic and Health-related Burden of Depression on Adults With Cardiovascular Disease. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, .	0.9	0
101	Abstract P003: Application of a Lifestyle-based Score to Predict Cardiovascular Health in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>Circulation</i> , 2017, 135, .	1.6	0
102	The clot thickens: unusual presentation of a left atrial thrombus. <i>Reviews in Cardiovascular Medicine</i> , 2015, 16, 81-3.	0.5	0
103	Abstract 230: Per Capita Proportion of Total Health Care Expenditures on Pharmaceuticals Among US Adults With Cardiovascular Disease: 2012 Medical Expenditure Panel Survey. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, .	0.9	0
104	Abstract 146: Drivers of Healthcare Costs Among Adults With Obesity in United States: 2012 Medical Expenditure Panel Survey. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, .	0.9	0
105	Abstract MP05: Life's Simple 7 and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2016, 133, .	1.6	0