Su-Yeon Choi

List of Publications by Year
in descending order

82 papers	2,335 citations	218592 26 h-index	243529 44 g-index
93 all docs	93 docs citations	93 times ranked	3490 citing authors

#	Article	IF	Citations
1	Nonalcoholic fatty liver disease is associated with coronary artery calcification. Hepatology, 2012, 56, 605-613.	3.6	259
2	Identification of High-Risk Plaques Destined to Cause Acute Coronary Syndrome Using Coronary Computed Tomographic Angiography and Computational FluidÂDynamics. JACC: Cardiovascular Imaging, 2019, 12, 1032-1043.	2.3	188
3	Assessment of Left Ventricular Rotation and Torsion with Two-dimensional Speckle Tracking Echocardiography. Journal of the American Society of Echocardiography, 2007, 20, 45-53.	1.2	165
4	The Relation Between Non-Alcoholic Fatty Liver Disease and the Risk of Coronary Heart Disease in Koreans. American Journal of Gastroenterology, 2009, 104, 1953-1960.	0.2	117
5	Triglyceride glucose index is an independent predictor for the progression of coronary artery calcification in the absence of heavy coronary artery calcification at baseline. Cardiovascular Diabetology, 2020, 19, 34.	2.7	88
6	Elevated serum bilirubin levels are inversely associated with coronary artery atherosclerosis. Atherosclerosis, 2013, 230, 242-248.	0.4	60
7	Age-Associated Increase in Arterial Stiffness Measured According to the Cardio-Ankle Vascular Index without Blood Pressure Changes in Healthy Adults. Journal of Atherosclerosis and Thrombosis, 2013, 20, 911-923.	0.9	56
8	Epicardial Fat Reflects Arterial Stiffness: Assessment Using 256-Slice Multidetector Coronary Computed Tomography and Cardio-Ankle Vascular Index. Journal of Atherosclerosis and Thrombosis, 2012, 19, 570-576.	0.9	53
9	PM2.5 concentration in the ambient air is a risk factor for the development of high-risk coronary plaques. European Heart Journal Cardiovascular Imaging, 2019, 20, 1355-1364.	0.5	53
10	Nonalcoholic Fatty Liver Disease Is Associated With Coronary Artery Calcification Development: A Longitudinal Study. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3134-3143.	1.8	49
11	Advanced Coronary Artery Calcification and Cerebral Small Vessel Diseases in the Healthy Elderly. Circulation Journal, 2011, 75, 451-456.	0.7	46
12	Cardio-ankle vascular index reflects coronary atherosclerosis in patients with abnormal glucose metabolism: Assessment with 256 slice multi-detector computed tomography. Journal of Cardiology, 2012, 60, 372-376.	0.8	45
13	Relation between Cardio-Ankle Vascular Index and Coronary Artery Calcification or Stenosis in Asymptomatic Subjects. Journal of Atherosclerosis and Thrombosis, 2013, 20, 557-567.	0.9	45
14	Genome-wide association study of metabolic syndrome in Korean populations. PLoS ONE, 2020, 15, e0227357.	1.1	42
15	Association between Helicobacter pylori Seropositivity and the Coronary Artery Calcium Score in a Screening Population. Gut and Liver, 2011, 5, 321-327.	1.4	39
16	Nonalcoholic fatty liver disease and advanced fibrosis are associated with left ventricular diastolic dysfunction. Atherosclerosis, 2018, 272, 137-144.	0.4	38
17	Association of epicardial fat with left ventricular diastolic function in subjects with metabolic syndrome: assessment using 2-dimensional echocardiography. BMC Cardiovascular Disorders, 2014, 14, 3.	0.7	37
18	General and abdominal obesity and abdominal visceral fat accumulation associated with coronary artery calcification in Korean men. Atherosclerosis, 2010, 213, 273-278.	0.4	36

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19	Arterial Stiffness Using Cardio-Ankle Vascular Index Reflects Cerebral Small Vessel Disease in Healthy Young and Middle Aged Subjects. Journal of Atherosclerosis and Thrombosis, 2013, 20, 178-185.	0.9	36
20	Long-Term Exercise Training Attenuates Age-Related Diastolic Dysfunction: Association of Myocardial Collagen Cross-Linking. Journal of Korean Medical Science, 2009, 24, 32.	1.1	34
21	The prevalence and distribution of coronary artery calcium in asymptomatic Korean population. International Journal of Cardiovascular Imaging, 2012, 28, 1227-1235.	0.7	32
22	Epicardial Adipose Tissue Contributes to the Development of Non-Calcified Coronary Plaque: A 5-Year Computed Tomography Follow-up Study. Journal of Atherosclerosis and Thrombosis, 2017, 24, 262-274.	0.9	32
23	Association between colorectal adenoma and coronary atherosclerosis detected by CT coronary angiography in Korean men; a cross‐sectional study. Journal of Gastroenterology and Hepatology (Australia), 2010, 25, 1795-1799.	1.4	31
24	Association of four lipid components with mortality, myocardial infarction, and stroke in statin-naïve young adults: A nationwide cohort study. European Journal of Preventive Cardiology, 2020, 27, 870-881.	0.8	31
25	Obesity and metabolic health status are determinants for the clinical expression of hypertrophic cardiomyopathy. European Journal of Preventive Cardiology, 2020, 27, 1849-1857.	0.8	29
26	Visceral obesity is associated with microalbuminuria in nondiabetic Asians. Hypertension Research, 2014, 37, 679-684.	1.5	28
27	Nonalcoholic Fatty Liver Disease as a Risk Factor of Arterial Stiffness Measured by the Cardioankle Vascular Index. Medicine (United States), 2015, 94, e654.	0.4	27
28	Mildly Abnormal Lipid Levels, but Not High Lipid Variability, Are Associated With Increased Risk of Myocardial Infarction and Stroke in "Statin-Naive" Young Population A Nationwide Cohort Study. Circulation Research, 2020, 126, 824-835.	2.0	27
29	Incremental Benefit of Coronary Artery Calcium Score Above Traditional Risk Factors for All-Cause Mortality in Asymptomatic Korean Adults. Circulation Journal, 2015, 79, 2445-2451.	0.7	26
30	Association between Helicobacter pylori infection and arterial stiffness: Results from a large cross-sectional study. PLoS ONE, 2019, 14, e0221643.	1.1	23
31	Machine learning based risk prediction model for asymptomatic individuals who underwent coronary artery calcium score: Comparison with traditional risk prediction approaches. Journal of Cardiovascular Computed Tomography, 2020, 14, 168-176.	0.7	23
32	Is reduced bone mineral density independently associated with coronary artery calcification in subjects older than 50 years?. Journal of Bone and Mineral Metabolism, 2011, 29, 369-376.	1.3	21
33	Clinical significance of hepatic steatosis according to coronary plaque morphology: assessment using controlled attenuation parameter. Journal of Gastroenterology, 2019, 54, 271-280.	2.3	21
34	Impact of metabolic syndrome on the progression of coronary calcium and of coronary artery disease assessed by repeated cardiac computed tomography scans. Cardiovascular Diabetology, 2016, 15, 92.	2.7	20
35	Reassessing the Usefulness of Coronary Artery Calcium Score among Varying Racial and Ethnic Groups by Geographic Locations: Relevance of the Korea Initiatives on Coronary Artery Calcification Registry. Journal of Cardiovascular Imaging, 2015, 23, 195.	0.8	19
36	Comparison of the effectiveness of Martin's equation, Friedewald's equation, and a Novel equation in low-density lipoprotein cholesterol estimation. Scientific Reports, 2021, 11, 13545.	1.6	19

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37	Advanced Coronary Artery Calcification Is Associated with Ischemic Stroke. Cerebrovascular Diseases, 2010, 30, 93-100.	0.8	18
38	Sarcopenic Obesity Is Significantly Associated With Coronary Artery Calcification. Frontiers in Medicine, 2021, 8, 651961.	1.2	18
39	Difference between calculated and direct-measured low-density lipoprotein cholesterol in subjects with diabetes mellitus or taking lipid-lowering medications. Journal of Clinical Lipidology, 2012, 6, 114-120.	0.6	17
40	Warranty Period of Zero Coronary Artery Calcium Score for Predicting All-Cause Mortality According to Cardiac Risk Burden in Asymptomatic Korean Adults. Circulation Journal, 2016, 80, 2356-2361.	0.7	17
41	Risk of end-stage renal disease in patients with hypertrophic cardiomyopathy: A nationwide population-based cohort study. Scientific Reports, 2019, 9, 14565.	1.6	17
42	The risk of atrial fibrillation in patients with non-alcoholic fatty liver disease and a high hepatic fibrosis index. Scientific Reports, 2020, 10, 5023.	1.6	17
43	Impact of a Telehealth Program With Voice Recognition Technology in Patients With Chronic Heart Failure: Feasibility Study. JMIR MHealth and UHealth, 2017, 5, e127.	1.8	17
44	Distribution of Coronary Artery Calcification in an Asymptomatic Korean Population: Association with Risk Factors of Cardiovascular Disease and Metabolic Syndrome. Korean Circulation Journal, 2008, 38, 29.	0.7	16
45	Combined effects of exercise capacity and coronary atherosclerotic burden on all-cause mortality in asymptomatic Koreans. Atherosclerosis, 2016, 251, 396-403.	0.4	16
46	Atherogenic index of plasma and coronary artery calcification progression beyond traditional risk factors according to baseline coronary artery calcium score. Scientific Reports, 2020, 10, 21324.	1.6	15
47	Impact of optimal glycemic control on the progression of coronary artery calcification in asymptomatic patients with diabetes. International Journal of Cardiology, 2018, 266, 250-253.	0.8	14
48	Influence of the definition of â€œmetabolically healthy obesityâ€•on the progression of coronary artery calcification. PLoS ONE, 2017, 12, e0178741.	1.1	14
49	Prevalence and Distribution of Coronary Artery Calcification in Asymptomatic United States and Korean Adultsâ€•â€" Cross-Sectional Propensity-Matched Analysis â€". Circulation Journal, 2016, 80, 2349-2355.	0.7	11
50	Significance of Microalbuminuria in Relation to Subclinical Coronary Atherosclerosis in Asymptomatic Nonhypertensive, Nondiabetic Subjects. Journal of Korean Medical Science, 2013, 28, 409.	1.1	10
51	Evaluation of Coronary Artery Calcium Progression in Asymptomatic Individuals with an Initial Score of Zero. Korean Circulation Journal, 2019, 49, 448.	0.7	10
52	Alcohol consumption and risk of atrial fibrillation in asymptomatic healthy adults. Heart Rhythm, 2020, 17, 2086-2092.	0.3	10
53	Assessment of Coronary Artery Calcium Scoring for Statin Treatment Strategy according to ACC/AHA Guidelines in Asymptomatic Korean Adults. Yonsei Medical Journal, 2017, 58, 82.	0.9	9
54	Usefulness of controlled attenuation parameter for detecting increased arterial stiffness in general population. Digestive and Liver Disease, 2018, 50, 1062-1067.	0.4	9

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55	Genome-wide association study of coronary artery calcification in asymptomatic Korean populations. PLoS ONE, 2019, 14, e0214370.	1.1	9
56	Clinical significance of increased arterial stiffness associated with atrial fibrillation, according to Framingham risk score. Scientific Reports, 2021, 11, 4955.	1.6	9
57	Association Among Local Hemodynamic Parameters Derived From CT Angiography and Their Comparable Implications in Development of Acute Coronary Syndrome. Frontiers in Cardiovascular Medicine, 2021, 8, 713835.	1.1	9
58	Evaluation of the impact of glycemic status on the progression of coronary artery calcification in asymptomatic individuals. Cardiovascular Diabetology, 2018, 17, 4.	2.7	8
59	Arterial stiffness measured by cardio-ankle vascular index in Korean women with polycystic ovary syndrome. Journal of Obstetrics and Gynaecology, 2019, 39, 681-686.	0.4	8
60	Association of the new visceral adiposity index with coronary artery calcification and arterial stiffness in Korean population. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1774-1781.	1.1	8
61	Contemporary use of lipid-lowering therapy for secondary prevention in Korean patients with atherosclerotic cardiovascular diseases. Korean Journal of Internal Medicine, 2020, 35, 593-604.	0.7	8
62	Sex and Age Differences in the Impact of Metabolic Syndrome and Its Components including A Body Shape Index on Arterial Stiffness in the General Population. Journal of Atherosclerosis and Thrombosis, 2022, 29, 1774-1790.	0.9	8
63	Colorectal adenoma is associated with coronary artery calcification in a Korean population. Atherosclerosis, 2015, 242, 515-520.	0.4	7
64	Metabolic syndrome predicts long-term mortality in subjects without established diabetes mellitus in asymptomatic Korean population. Medicine (United States), 2016, 95, e5421.	0.4	7
65	Concurrent smoking and alcohol consumers had higher triglyceride glucose indices than either only smokers or alcohol consumers: a cross-sectional study in Korea. Lipids in Health and Disease, 2021, 20, 49.	1.2	7
66	The Incremental Prognostic Value of Cardiac Computed Tomography in Comparison with Single-Photon Emission Computed Tomography in Patients with Suspected Coronary Artery Disease. PLoS ONE, 2016, 11, e0160188.	1.1	6
67	Clinical Significance of Body Fat Distribution in Coronary Artery Calcification Progression in Korean Population. Diabetes and Metabolism Journal, 2021, 45, 219-230.	1.8	6
68	Sex differences in coronary artery calcium progression: The Korea Initiatives on Coronary Artery Calcification (KOICA) registry. PLoS ONE, 2021, 16, e0248884.	1.1	6
69	Cumulative exposure amount of PM2.5 in the ambient air is associated with coronary atherosclerosis - Serial coronary CT angiography study. Journal of Cardiovascular Computed Tomography, 2022, 16, 230-238.	0.7	6
70	Associations between elevated resting heart rate and subclinical atherosclerosis in asymptomatic Korean adults undergoing coronary artery calcium scoring. International Journal of Cardiovascular Imaging, 2016, 32, 1587-1593.	0.7	5
71	A Fortified Method to Screen and Detect Left Ventricular Hypertrophy in Asymptomatic Hypertensive Adults: A Korean Retrospective, Cross-Sectional Study. International Journal of Hypertension, 2018, 2018, 1-8.	0.5	5
72	Prediction of incident atherosclerotic cardiovascular disease with polygenic risk of metabolic disease: Analysis of 3 prospective cohort studies in Korea. Atherosclerosis, 2022, 348, 16-24.	0.4	5

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73	Association between gastroesophageal reflux disease and coronary atherosclerosis. PLoS ONE, 2022, 17, e0267053.	1.1	5
74	Significance of Low Muscle Mass on Arterial Stiffness as Measured by Cardio-Ankle Vascular Index. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	5
75	Clinical Application of the Cardio-Ankle Vascular Index in Asymptomatic Healthy Koreans. Pulse, 2016, 4, 17-20.	0.9	4
76	Prognosis of anatomic coronary artery disease without myocardial ischemia: Coronary computed tomography angiography detects high-risk patients even in cases of negative single-photon emission computed tomography findings. Journal of Cardiology, 2018, 72, 162-169.	0.8	2
77	Association between blood pressure classification defined by the 2017 ACC/AHA guidelines and coronary artery calcification progression in an asymptomatic adult population. European Heart Journal Open, 2021, 1, .	0.9	2
78	Machine learning algorithm to predict coronary artery calcification in asymptomatic healthy population. , 2019, , .		1
79	Reply to: â€œHow does high fitness attenuate the risk of all-cause mortality in individuals with increased coronary artery calcification?â€• Atherosclerosis, 2016, 254, 313.	0.4	0
80	Prevalence and severity of coronary artery calcification based on the epidemiologic pattern: A propensity matched comparison of asymptomatic Korean and Chinese adults. International Journal of Cardiology, 2017, 230, 353-358.	0.8	0
81	Genetic Determinants of Visit-to-Visit Lipid Variability: Genome-Wide Association Study in Statin-NaÃ¯ve Korean Population. Frontiers in Cardiovascular Medicine, 2022, 9, 811657.	1.1	0
82	Augmented risk of dementia in hypertrophic cardiomyopathy: A propensity score matching analysis using the nationwide cohort. PLoS ONE, 2022, 17, e0269911.	1.1	0