Eun Ju Chun

List of Publications by Year
in descending order

113 papers	2,941 citations	236925 25 h-index	197818 49 g-index
115 all docs	115 docs citations	115 times ranked	3256 citing authors

#	Article	IF	Citations
1	Effects of Statins on CoronaryÂAtherosclerotic Plaques. JACC: Cardiovascular Imaging, 2018, 11, 1475-1484.	5.3	335
2	Coronary Computed Tomography Angiography as a Screening Tool for the Detection of Occult Coronary Artery Disease in Asymptomatic Individuals. Journal of the American College of Cardiology, 2008, 52, 357-365.	2.8	294
3	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.	5.3	188
4	Coronary Artery Fistulas: Pathophysiology, Imaging Findings, and Management. Radiographics, 2018, 38, 688-703.	3.3	102
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.	6.8	88
6	Differentiation between malignancy and inflammation in pulmonary ground-glass nodules: The feasibility of integrated 18F-FDG PET/CT. Lung Cancer, 2009, 65, 180-186.	2.0	85
7	Computational fluid dynamic measures of wall shear stress are related to coronary lesion characteristics. Heart, 2016, 102, 1655-1661.	2.9	84
8	Quantification of Coronary Atherosclerosis in the Assessment of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2018, 11, e007562.	2.6	81
9	Effects of Nitroglycerin on the Diagnostic Accuracy of Electrocardiogram-gated Coronary Computed Tomography Angiography. Journal of Computer Assisted Tomography, 2008, 32, 86-92.	0.9	80
10	Rationale and design of the Progression of AtheRosclerotic PlAque DetermIned by Computed TomoGraphic Angiography IMaging (PARADIGM) registry: A comprehensive exploration of plaque progression and its impact on clinical outcomes from a multicenter serial coronary computed tomographic angiography study. American Heart Journal, 2016, 182, 72-79.	2.7	75
11	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. JAMA Cardiology, 2021, 6, 1257.	6.1	70
12	Hypertrophic Cardiomyopathy: Assessment with MR Imaging and Multidetector CT. Radiographics, 2010, 30, 1309-1328.	3.3	69
13	Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography. JACC: Cardiovascular Imaging, 2018, 11, 1461-1471.	5.3	64
14	Differential association between the progression of coronary artery calcium score and coronary plaque volume progression according to statins: the Progression of AtheRosclerotic PlAque DetermIned by Computed TomoGraphic Angiography Imaging (PARADIGM) study. European Heart Journal Cardiovascular Imaging, 2019, 20, 1307-1314.	1.2	60
15	Differences in Progression to Obstructive Lesions per High-Risk Plaque Features and Plaque Volumes With CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1409-1417.	5.3	58
16	Machine Learning Framework to Identify Individuals at Risk of Rapid Progression of Coronary Atherosclerosis: From the PARADIGM Registry. Journal of the American Heart Association, 2020, 9, e013958.	3.7	53
17	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 233-242.	5.3	44
18	Prediction of Subclinical Coronary Artery Disease With Breast Arterial Calcification and Low Bone Mass in AsymptomaticÂWomen. JACC: Cardiovascular Imaging, 2019, 12, 1202-1211.	5.3	42

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19	Predicting High Coronary Artery Calcium Score From Retinal Fundus Images With Deep Learning Algorithms. Translational Vision Science and Technology, 2020, 9, 28.	2.2	41
20	Atherogenic index of plasma and the risk of rapid progression of coronary atherosclerosis beyond traditional risk factors. Atherosclerosis, 2021, 324, 46-51.	0.8	41
21	Quantitative assessment of coronary plaque volume change related to triglyceride glucose index: The Progression of AtheRosclerotic PlAque DetermIned by Computed TomoGraphic Angiography IMaging (PARADIGM) registry. Cardiovascular Diabetology, 2020, 19, 113.	6.8	39
22	Effect of Metabolic Syndrome on Coronary Artery Stenosis and Plaque Characteristics as Assessed with 64â€“Detector Row Cardiac CT. Radiology, 2011, 261, 437-445.	7.3	34
23	Association Between High-Sensitivity C-Reactive Protein and Coronary Plaque Subtypes Assessed by 64-Slice Coronary Computed Tomography Angiography in an Asymptomatic Population. Circulation: Cardiovascular Imaging, 2011, 4, 201-209.	2.6	34
24	Percent atheroma volume: Optimal variable to report whole-heart atherosclerotic plaque burden with coronary CTA, the PARADIGM study. Journal of Cardiovascular Computed Tomography, 2020, 14, 400-406.	1.3	29
25	Relationship between amount of cigarette smoking and coronary atherosclerosis on coronary CTA in asymptomatic individuals. International Journal of Cardiovascular Imaging, 2013, 29, 21-28.	1.5	28
26	Ultrasonographic evaluation of complications related to transfemoral arterial procedures. Ultrasonography, 2018, 37, 164-173.	2.3	27
27	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 2386-2396.	5.3	26
28	Association of Cardiovascular Disease Risk Factor Burden With Progression of Coronary Atherosclerosis Assessed by Serial Coronary Computed Tomographic Angiography. JAMA Network Open, 2020, 3, e2011444.	5.9	26
29	Longitudinal assessment of coronary plaque volume change related to glycemic status using serial coronary computed tomography angiography: A PARADIGM (Progression of AtheRosclerotic PlAque) Tj ETQq1 1 0.784314 rgBT /Overlock Computed Tomography, 2019, 13, 142-147.	1.3	25
30	CT Features of Vasculitides Based on the 2012 International Chapel Hill Consensus Conference Revised Classification. Korean Journal of Radiology, 2017, 18, 786.	3.4	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.	1.3	23
32	Automatic segmentation of multiple cardiovascular structures from cardiac computed tomography angiography images using deep learning. PLoS ONE, 2020, 15, e0232573.	2.5	23
33	Aortic Stenosis: Evaluation with Multidetector CT Angiography and MR Imaging. Korean Journal of Radiology, 2008, 9, 439.	3.4	22
34	Significance of noncalcified coronary plaque in asymptomatic subjects with low coronary artery calcium score: assessment with coronary computed tomography angiography. International Journal of Cardiovascular Imaging, 2011, 27, 27-35.	1.5	21
35	Prospective versus retrospective ECG-gated 64-detector coronary CT angiography for evaluation of coronary artery bypass graft patency: comparison of image quality, radiation dose and diagnostic accuracy. International Journal of Cardiovascular Imaging, 2011, 27, 657-667.	1.5	20
36	Asymptomatic subjects with zero coronary calcium score: coronary CT angiographic features of plaques in event-prone patients. International Journal of Cardiovascular Imaging, 2013, 29, 29-36.	1.5	20

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37	Relevance of anatomical, plaque, and hemodynamic characteristics of non-obstructive coronary lesions in the prediction of risk for acute coronary syndrome. European Radiology, 2019, 29, 6119-6128.	4.5	20
38	Coronary Vasospastic Angina: Assessment by Multidetector CT Coronary Angiography. Korean Journal of Radiology, 2012, 13, 27.	3.4	19
39	Comparison of the effectiveness of Martinâ€™s equation, Friedewaldâ€™s equation, and a Novel equation in low-density lipoprotein cholesterol estimation. Scientific Reports, 2021, 11, 13545.	3.3	19
40	Progression of whole-heart Atherosclerosis by coronary CT and major adverse cardiovascular events. Journal of Cardiovascular Computed Tomography, 2021, 15, 322-330.	1.3	19
41	Computed Tomography Diagnosis of Nonspecific Acute Chest Pain in the Emergency Department. Journal of Thoracic Imaging, 2017, 32, 26-35.	1.5	18
42	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.	1.6	17
43	Prediction of infarct size and adverse cardiac outcomes by tissue tracking-cardiac magnetic resonance imaging in ST-segment elevation myocardial infarction. European Radiology, 2018, 28, 3454-3463.	4.5	17
44	Impact of Non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2018, 12, 231-237.	1.3	17
45	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2021, 14, 1410-1421.	5.3	16
46	Prospective Study on the Incidence of Postoperative Venous Thromboembolism in Korean Patients with Colorectal Cancer. Cancer Research and Treatment, 2016, 48, 978-989.	3.0	16
47	Reproducibility in the assessment of noncalcified coronary plaque with 256-slice multi-detector CT and automated plaque analysis software. International Journal of Cardiovascular Imaging, 2010, 26, 237-244.	1.5	15
48	Clinical significance of evaluating coronary atherosclerosis in adult patients with hypertrophic cardiomyopathy who have chest pain. European Radiology, 2019, 29, 4593-4602.	4.5	15
49	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.	3.3	15
50	Association of Tube Voltage With Plaque Composition on Coronary CT Angiography. JACC: Cardiovascular Imaging, 2021, 14, 2429-2440.	5.3	15
51	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.	1.7	14
52	Grade-response relationship between blood pressure and severity of coronary atherosclerosis in asymptomatic adults: assessment with coronary CT angiography. International Journal of Cardiovascular Imaging, 2014, 30, 105-112.	1.5	13
53	Diagnostic performance of smartphone reading of the coronary CT angiography in patients with acute chest pain at ED. American Journal of Emergency Medicine, 2016, 34, 1794-1798.	1.6	13
54	Cardioembolic Origin in Patients With Embolic Stroke: Spectrum of Imaging Findings on Cardiac MDCT. American Journal of Roentgenology, 2010, 195, W38-W44.	2.2	12

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55	Long-Term Prognostic Value of Late Gadolinium-Enhanced Magnetic Resonance Imaging in Patients With and Without Left Ventricular Dysfunction Undergoing Coronary Artery Bypass Grafting. American Journal of Cardiology, 2016, 118, 1647-1654.	1.6	12
56	Impact of age on coronary artery plaque progression and clinical outcome: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2021, 15, 232-239.	1.3	12
57	Is Aortic Atherothrombotic Disease Detected Using Multidetector-Row CT Associated With an Increased Risk of Early Ischemic Lesion Recurrence After Acute Ischemic Stroke?. Stroke, 2012, 43, 764-769.	2.0	11
58	Breast Arterial Calcification is Associated with the Progression of Coronary Atherosclerosis in Asymptomatic Women: A Preliminary Retrospective Cohort Study. Scientific Reports, 2020, 10, 2755.	3.3	11
59	Differential progression of coronary atherosclerosis according to plaque composition: a cluster analysis of PARADIGM registry data. Scientific Reports, 2021, 11, 17121.	3.3	11
60	Comparative differences in the atherosclerotic disease burden between the epicardial coronary arteries: quantitative plaque analysis on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 322-330.	1.2	11
61	Prognostic Value of Coronary CT Angiography for Predicting Poor Cardiac Outcome in Stroke Patients without Known Cardiac Disease or Chest Pain: The Assessment of Coronary Artery Disease in Stroke Patients Study. Korean Journal of Radiology, 2020, 21, 1055.	3.4	11
62	The Association of Rate of Weight Gain During Early Adulthood With the Prevalence of Subclinical Coronary Artery Disease in Recently Diagnosed Type 2 Diabetes: The MAXWEL-CAD Study. Diabetes Care, 2014, 37, 2491-2499.	8.6	10
63	Evaluation of Coronary Artery Calcium Progression in Asymptomatic Individuals with an Initial Score of Zero. Korean Circulation Journal, 2019, 49, 448.	1.9	10
64	Imaging of Myocardial Ischemiaâ€“Reperfusion Injury Using Sodium [¹⁸F]Fluoride Positron Emission Tomography/Computed Tomography in Rats and Humans. Molecular Imaging, 2017, 16, 153601211770476.	1.4	9
65	Assessment of Left Ventricular Myocardial Diseases with Cardiac Computed Tomography. Korean Journal of Radiology, 2019, 20, 333.	3.4	9
66	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.	2.4	9
67	Troponin-Positive Non-Obstructive Coronary Arteries and Myocardial Infarction with Non-Obstructive Coronary Arteries: Definition, Etiologies, and Role of CT and MR Imaging. Korean Journal of Radiology, 2020, 21, 1305.	3.4	9
68	Evaluation of the impact of glycemic status on the progression of coronary artery calcification in asymptomatic individuals. Cardiovascular Diabetology, 2018, 17, 4.	6.8	8
69	Where is the left ventricle during cardiopulmonary resuscitation based on chest computed tomography in the expiration with arms down position?. PLoS ONE, 2018, 13, e0193364.	2.5	8
70	Clinical and Computed Tomography Angiographic Predictors of Coronary Lesions That Later Progressed to ChronicÂTotal Occlusion. JACC: Cardiovascular Imaging, 2019, 12, 2196-2206.	5.3	8
71	Incidence and predictors of venous thromboembolism in medically ill hospitalized elderly cancer patients: a prospective observational study. Supportive Care in Cancer, 2019, 27, 2507-2515.	2.2	8
72	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. European Heart Journal Cardiovascular Imaging, 2021, 22, 1072-1082.	1.2	8

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73	Coronary CT angiography findings based on smoking status: Do ex-smokers and never-smokers share a low probability of developing coronary atherosclerosis?. International Journal of Cardiovascular Imaging, 2015, 31, 169-176.	1.5	7
74	Discrepancies between coronary CT angiography and invasive coronary angiography with focus on culprit lesions which cause future cardiac events. European Radiology, 2018, 28, 1356-1364.	4.5	7
75	Per-lesion versus per-patient analysis of coronary artery disease in predicting the development of obstructive lesions: the Progression of AtheRosclerotic PlAque DetermIned by Computed TmoGraphic Angiography Imaging (PARADIGM) study. International Journal of Cardiovascular Imaging, 2020, 36, 2357-2364.	1.5	7
76	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.	3.0	7
77	Current Concepts of Vulnerable Plaque on Coronary CT Angiography. Cardiovascular Imaging Asia, 2017, 1, 4.	0.1	7
78	Prediction of Intimal Tear Site by Computed Tomography in Acute Aortic Dissection Type A. Korean Circulation Journal, 2016, 46, 48.	1.9	6
79	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.	1.5	5
80	Differences in the CT findings between vulnerable plaque and culprit lesions in acute coronary syndrome. Journal of Cardiovascular Computed Tomography, 2018, 12, 115-117.	1.3	5
81	Multimodality Imaging in Patients with Secondary Hypertension: With a Focus on Appropriate Imaging Approaches Depending on the Etiologies. Korean Journal of Radiology, 2018, 19, 272.	3.4	4
82	Diagnostic performance and image quality of iterative model-based reconstruction of coronary CT angiography using 100 kVp for heavily calcified coronary vessels. PLoS ONE, 2019, 14, e0222315.	2.5	4
83	Recent Update of Advanced Imaging for Diagnosis of Cardiac Sarcoidosis: Based on the Findings of Cardiac Magnetic Resonance Imaging and Positron Emission Tomography. Investigative Magnetic Resonance Imaging, 2019, 23, 100.	0.4	4
84	Current Role of Computed Tomography in the Evaluation of Acute Coronary Syndrome. Diagnostics, 2021, 11, 266.	2.6	4
85	Cardiac CT and MRI for Assessment of Cardioembolic Stroke. Cardiovascular Imaging Asia, 2017, 1, 13.	0.1	4
86	Clinical Significance of Intraluminal Atheroma inÂPatients With Ascending and Arch Aneurysm. Annals of Thoracic Surgery, 2014, 97, 2034-2040.	1.3	3
87	Plaque Character and Progression According to the Location of Coronary Atherosclerotic Plaque. American Journal of Cardiology, 2021, 158, 15-22.	1.6	3
88	The Cardiac MR Images and Causes of Paradoxical Septal Motion. Journal of the Korean Society of Radiology, 2010, 62, 427.	0.2	3
89	Rehearsal simulation to determine the size of device for left atrial appendage occlusion using patient-specific 3D-printed phantoms. Scientific Reports, 2022, 12, 7746.	3.3	3
90	Multidetector CT evaluation of various aortic diseases: diagnostic tips, pitfalls, and remedies for imaging artifacts. International Journal of Cardiovascular Imaging, 2012, 28, 45-60.	1.5	2

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91	Clinical Significance of Incidentally Detected Aneurysms of the Membranous Ventricular Septum in Adults by Multidetector Computed Tomography. American Journal of Cardiology, 2015, 115, 354-359.	1.6	2
92	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, .	2.3	2
93	Coronary Artery Calcification in the Asian Population: An Overview of the Results from the Korea Initiatives on Coronary Artery Calcification Registry. Cardiovascular Imaging Asia, 2017, 1, 89.	0.1	2
94	Vessel-specific plaque features on coronary computed tomography angiography among patients of varying atherosclerotic cardiovascular disease risk. European Heart Journal Cardiovascular Imaging, 2022, 23, 1171-1179.	1.2	2
95	Longitudinal quantitative assessment of coronary atherosclerosis related to normal systolic blood pressure maintenance in the absence of established cardiovascular disease. Clinical Cardiology, 0, , .	1.8	2
96	Incremental prognostic value of computed tomography in stroke: rationale and design of the IMPACTS study. International Journal of Cardiovascular Imaging, 2016, 32, 83-89.	1.5	1
97	A Patient-Specific 3D+t Coronary Artery Motion Modeling Method Using Hierarchical Deformation with Electrocardiogram. Sensors, 2020, 20, 5680.	3.8	1
98	High prevalence of a linear valve-like structure on CT at the pulmonary artery terminus of patent ductus arteriosus in adult patients, mimicking endarteritis. Surgical and Radiologic Anatomy, 2021, 43, 317-321.	1.2	1
99	Role of Coronary CT Angiography in Coronary Revascularization. Cardiovascular Imaging Asia, 2018, 2, 1.	0.1	1
100	Coexistent Coronary Artery Disease or Myocardial Bridging in Patients with Hypertrophic Cardiomyopathy Using Coronary CT Angiography. Journal of the Korean Society of Radiology, 2015, 73, 1.	0.2	1
101	Comparison of coronary atherosclerotic plaque progression in East Asians and Caucasians by serial coronary computed tomographic angiography: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2022, 16, 222-229.	1.3	1
102	Stress-Induced Cardiomyopathy: Assessment with Cardiac Magnetic Resonance Imaging and Multi-Detector Computed Tomography. Cardiovascular Imaging Asia, 2018, 2, 19.	0.1	1
103	Coronary Stent on Coronary CT Angiography: Assessment with Model-Based Iterative Reconstruction Technique. Journal of the Korean Society of Radiology, 2016, 74, 291.	0.2	0
104	Stenosis map for volume visualization of constricted tubular structures: Application to coronary artery stenosis. Computer Methods and Programs in Biomedicine, 2016, 124, 76-90.	4.7	0
105	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.	1.7	0
106	Additive Role of Coronary Magnetic Resonance Angiography for the Evaluation of Coronary Artery Disease. Korean Circulation Journal, 2017, 47, 409.	1.9	0
107	Measurement of compensatory arterial remodelling over time with serial coronary computed tomography angiography and 3D metrics. European Heart Journal Cardiovascular Imaging, 2021, , .	1.2	0
108	The Influence of Heart Rate and its Variations on Image Quality: A Comparative Study of 16- and 64-Slice Multidetector Row Computed Tomography. Journal of the Korean Society of Radiology, 2009, 60, 233.	0.2	0

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109	A prospective study on the incidence of postoperative venous thromboembolism in Korean gastric cancer patients: An inquiry into the application of western guidelines to Asian cancer patients.. Journal of Clinical Oncology, 2013, 31, e15129-e15129.	1.6	0
110	First-pass Stress Perfusion MR Imaging Findings of Apical Hypertrophic Cardiomyopathy: with Relation to LV Wall Thickness and Late Gadolinium-enhancement. Journal of the Korean Society of Magnetic Resonance in Medicine, 2014, 18, 7.	0.1	0
111	Imaging Forum in Cardiovascular Disease of the Korean Society of Cardiovascular Imaging. Cardiovascular Imaging Asia, 2017, 1, 146.	0.1	0
112	SEALONE (Safety and Efficacy of Coronary Computed Tomography Angiography with Low Dose in) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 and Experimental Emergency Medicine, 2017, 4, 208-213.	1.6	0
113	OUP accepted manuscript. European Heart Journal Cardiovascular Imaging, 2022, , .	1.2	0