

Sung Mok Kim

List of Publications by Year in descending order

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89
papers

1,550
citations

279798

23
h-index

345221

36
g-index

93
all docs

93
docs citations

93
times ranked

2597
citing authors

#	ARTICLE	IF	CITATIONS
1	Takayasu Arteritis: Assessment of Coronary Arterial Abnormalities with 128-Section Dual-Source CT Angiography of the Coronary Arteries and Aorta. <i>Radiology</i> , 2014, 270, 74-81.	7.3	87
2	Coronary Calcium Screening Using Low-Dose Lung Cancer Screening: Effectiveness of MDCT with Retrospective Reconstruction. <i>American Journal of Roentgenology</i> , 2008, 190, 917-922.	2.2	77
3	Physiological Severity of Coronary Artery Stenosis Depends on the Amount of Myocardial Mass Subtended by the Coronary Artery. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 1548-1560.	2.9	77
4	Assessment of Myocardial Fibrosis Using Multimodality Imaging in Severe Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 109-119.	5.3	62
5	Drug-sensitive tuberculosis, multidrug-resistant tuberculosis, and nontuberculous mycobacterial pulmonary disease in nonAIDS adults: comparisons of thin-section CT findings. <i>European Radiology</i> , 2006, 16, 1934-1941.	4.5	59
6	Korean Guidelines for the Appropriate Use of Cardiac CT. <i>Korean Journal of Radiology</i> , 2015, 16, 251.	3.4	59
7	Identification of Coronary Artery Side Branch Supplying Myocardial Mass That May Benefit From Revascularization. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 571-581.	2.9	58
8	Coronary Computed Tomography Angiography Predicts Guidewire Crossing and Success of Percutaneous Intervention for Chronic Total Occlusion. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	53
9	Coronary Microvascular Dysfunction as a Mechanism of Angina in Severe AS. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1412-1422.	2.8	52
10	Dual-Energy CT Perfusion During Pharmacologic Stress for the Assessment of Myocardial Perfusion Defects Using a Second-Generation Dual-Source CT. <i>Journal of Computer Assisted Tomography</i> , 2014, 38, 44-52.	0.9	49
11	Nonsyndromic Peripheral Pulmonary Artery Stenosis Is Associated With Homozygosity of RNF213 p.Arg4810Lys Regardless of Co-occurrence of Moyamoya Disease. <i>Chest</i> , 2018, 153, 404-413.	0.8	43
12	Adenosine-stress dynamic myocardial perfusion imaging using 128-slice dual-source CT: optimization of the CT protocol to reduce the radiation dose. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 875-884.	1.5	41
13	Quantification of left ventricular trabeculae using cardiovascular magnetic resonance for the diagnosis of left ventricular non-compaction: evaluation of trabecular volume and refined semi-quantitative criteria. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 24.	3.3	41
14	Prognostic value of myocardial strain and late gadolinium enhancement on cardiovascular magnetic resonance imaging in patients with idiopathic dilated cardiomyopathy with moderate to severely reduced ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 36.	3.3	41
15	Virtual Non-Contrast CT Using Dual-Energy Spectral CT: Feasibility of Coronary Artery Calcium Scoring. <i>Korean Journal of Radiology</i> , 2016, 17, 321.	3.4	35
16	Assessment of reverse remodeling predicted by myocardial deformation on tissue tracking in patients with severe aortic stenosis: a cardiovascular magnetic resonance imaging study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 80.	3.3	35
17	Right Ventricular Fat Infiltration in Asymptomatic Subjects. <i>Journal of Computer Assisted Tomography</i> , 2007, 31, 22-28.	0.9	31
18	Cervical Lymph Node Imaging Reporting and Data System for Ultrasound of Cervical Lymphadenopathy: A Pilot Study. <i>American Journal of Roentgenology</i> , 2016, 206, 1286-1291.	2.2	31

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19	Comparison of clinical characteristics in patients with Takayasu arteritis with and without concomitant tuberculosis. <i>Heart and Vessels</i> , 2016, 31, 1277-1284.	1.2	28
20	2017 Multimodality Appropriate Use Criteria for Noninvasive Cardiac Imaging: Expert Consensus of the Asian Society of Cardiovascular Imaging. <i>Korean Journal of Radiology</i> , 2017, 18, 871.	3.4	28
21	Noninvasive Evaluation of Coronary Collateral Arterial Flow by Coronary Computed Tomographic Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 482-490.	2.6	27
22	Assessment of left and right ventricular parameters in healthy Korean volunteers using cardiac magnetic resonance imaging: change in ventricular volume and function based on age, gender and body surface area. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 141-147.	1.5	25
23	Noninvasive Discrimination of Coronary Chronic Total Occlusion and Subtotal Occlusion by Coronary Computed Tomography Angiography. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1143-1153.	2.9	25
24	Prognostic implications of post-percutaneous coronary intervention neutrophil-to-lymphocyte ratio on infarct size and clinical outcomes in patients with acute myocardial infarction. <i>Scientific Reports</i> , 2019, 9, 9646.	3.3	25
25	Efficacy of Femoral Vascular Closure Devices in Patients Treated with Anticoagulant, Abciximab or Thrombolytics during Percutaneous Endovascular Procedures. <i>Korean Journal of Radiology</i> , 2006, 7, 35.	3.4	24
26	Detecting cardiac involvement with magnetic resonance in patients with active eosinophilic granulomatosis with polyangiitis. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 155-162.	1.5	23
27	Adenosine-stress dynamic myocardial perfusion imaging using 128-slice dual-source CT in patients with normal body mass indices: effect of tube voltage, tube current, and iodine concentration on image quality and radiation dose. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 95-103.	1.5	22
28	Natural history of spontaneous isolated celiac artery dissection after conservative treatment. <i>Journal of Vascular Surgery</i> , 2018, 68, 55-63.	1.1	21
29	Comparison of quantitative imaging parameters using cardiovascular magnetic resonance between cardiac amyloidosis and hypertrophic cardiomyopathy: inversion time scout versus T1 mapping. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1769-1777.	1.5	21
30	Cardiac magnetic resonance-tissue tracking for the early prediction of adverse left ventricular remodeling after ST-segment elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 2095-2102.	1.5	21
31	Impact of Balloon Pulmonary Angioplasty on Hemodynamics and Clinical Outcomes in Patients with Chronic Thromboembolic Pulmonary Hypertension: the Initial Korean Experience. <i>Journal of Korean Medical Science</i> , 2018, 33, e24.	2.5	19
32	Diffuse Myocardial Fibrosis and Diastolic Function in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2561-2572.	5.3	19
33	Prediction of side branch occlusions in percutaneous coronary interventions by coronary computed tomography: the CT bifurcation score as a novel tool for predicting intraprocedural side branch occlusion. <i>EuroIntervention</i> , 2019, 15, e788-e795.	3.2	19
34	Assessment of regional aortic stiffness with cardiac magnetic resonance imaging in a healthy Asian population. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 57-64.	1.5	18
35	Digital tomosynthesis of the thorax: the influence of respiratory motion artifacts on lung nodule detection. <i>Acta Radiologica</i> , 2013, 54, 634-639.	1.1	17
36	Prevalence and clinical significance of cardiovascular magnetic resonance adenosine stress-induced myocardial perfusion defect in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 30.	3.3	17

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37	Detection of cardiac myxomas with non-contrast chest CT. <i>Acta Radiologica</i> , 2014, 55, 273-278.	1.1	15
38	Triple rule-out computed tomography for risk stratification of patients with acute chest pain. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 291-300.	1.3	12
39	Genotype-Related Clinical Characteristics and Myocardial Fibrosis and Their Association with Prognosis in Hypertrophic Cardiomyopathy. <i>Journal of Clinical Medicine</i> , 2020, 9, 1671.	2.4	11
40	Coronary artery calcium scores and cardiovascular risk factors in 31,545 asymptomatic Korean adults. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 139-145.	1.5	10
41	Quantification of Aortic Valve Calcifications Detected During Lung Cancer-Screening CT Helps Stratify Subjects Necessitating Echocardiography for Aortic Stenosis Diagnosis. <i>Medicine (United States)</i> 2019; 98(14):e16710. doi:10.1097/MD.0000000000001671	1.4	10
42	Association of cardiovascular disease risk factors with left ventricular mass, biventricular function, and the presence of silent myocardial infarction on cardiac MRI in an asymptomatic population. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 173-181.	1.5	10
43	Multi-modality imaging for the assessment of myocardial perfusion with emphasis on stress perfusion CT and MR imaging. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 1-21.	1.5	9
44	Metastatic Thymoma of the Breast. <i>Korean Journal of Radiology</i> , 2008, 9, 80.	3.4	8
45	Brachial-Ankle Pulse Wave Velocity as a Screen for Arterial Stiffness: A Comparison with Cardiac Magnetic Resonance. <i>Yonsei Medical Journal</i> , 2015, 56, 617.	2.2	7
46	Non-invasive coronary physiology based on computational analysis of intracoronary transluminal attenuation gradient. <i>Scientific Reports</i> , 2018, 8, 4692.	3.3	7
47	Relationship between cardiovascular risk factors and myocardial strain values of both ventricles in asymptomatic Asian subjects: measurement using cardiovascular magnetic resonance tissue tracking. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1949-1957.	1.5	7
48	Diagnostic Performance of Algorithm for Computer-Assisted Detection of Significant Coronary Artery Disease in Patients With Acute Chest Pain: Comparison With Invasive Coronary Angiography. <i>American Journal of Roentgenology</i> , 2014, 202, 730-737.	2.2	6
49	Integrated cardiac magnetic resonance imaging with coronary magnetic resonance angiography, stress-perfusion, and delayed-enhancement imaging for the detection of occult coronary artery disease in asymptomatic individuals. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 77-89.	1.5	6
50	Influence of scan technique on intracoronary transluminal attenuation gradient in coronary CT angiography using 128-slice dual source CT: multi-beat versus one-beat scan. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 937-946.	1.5	6
51	Protocol using wide-detector CT with single contrast injection for the aorta and coronary artery: variable helical pitch versus volume scan following helical scan. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1935-1942.	1.5	6
52	Comparison of tissue tracking assessment by cardiovascular magnetic resonance for cardiac amyloidosis and hypertrophic cardiomyopathy. <i>Acta Radiologica</i> , 2020, 61, 885-893.	1.1	6
53	Analysis of Protrusio Acetabuli Using a CT-based Diagnostic Method in Korean Patients with Marfan Syndrome: Prevalence and Association with Other Manifestations. <i>Journal of Korean Medical Science</i> , 2015, 30, 1260.	2.5	5
54	A Rare Case of Iatrogenic Deep Neck Infection Secondary to Hypopharyngeal Injury Caused by the Transesophageal Echocardiography. <i>Journal of Cardiovascular Imaging</i> , 2015, 23, 181.	0.8	5

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55	Concordant and Discordant Cardiac Magnetic Resonance Imaging Delayed Hyperenhancement Patterns in Patients with Ischemic and Non-Ischemic Cardiomyopathy. <i>Korean Circulation Journal</i> , 2016, 46, 41.	1.9	5
56	Coronary Artery Total Occlusion: MR Angiographic Imaging Findings and Success Rates of Percutaneous Coronary Intervention according to Intraluminal Signal Intensity Patterns. <i>Radiology</i> , 2016, 279, 84-92.	7.3	5
57	Association of cardiovascular risk factors on myocardial perfusion and fibrosis in asymptomatic individuals: cardiac magnetic resonance study. <i>Acta Radiologica</i> , 2018, 59, 1300-1308.	1.1	5
58	Anatomic and Hemodynamic Plaque Characteristics for Subsequent Coronary Events. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	2.4	5
59	Robust semi-automated quantification of cardiac MR perfusion using level set: Application to hypertrophic cardiomyopathy patient data. <i>Computers in Biology and Medicine</i> , 2016, 71, 162-173.	7.0	4
60	Comparing feasibility of low-tube-voltage protocol with low-iodine-concentration contrast and high-tube-voltage protocol with high-iodine-concentration contrast in coronary computed tomography angiography. <i>PLoS ONE</i> , 2020, 15, e0236108.	2.5	4
61	Allometric scaling patterns among the human coronary artery tree, myocardial mass, and coronary artery flow. <i>Physiological Reports</i> , 2020, 8, e14514.	1.7	4
62	The Extent of Late Gadolinium Enhancement Can Predict Adverse Cardiac Outcomes in Patients with Non-Ischemic Cardiomyopathy with Reduced Left Ventricular Ejection Fraction: A Prospective Observational Study. <i>Korean Journal of Radiology</i> , 2021, 22, 324.	3.4	4
63	Congenital Cerebellar Mixed Germ Cell Tumor Presenting with Hemorrhage in a Newborn. <i>Korean Journal of Radiology</i> , 2008, 9, S26.	3.4	3
64	Triple rule-out CT angiography protocol with restricting field of view for detection of pulmonary thromboembolism and aortic dissection in emergency department patients: simulation of modified CT protocol for reducing radiation dose. <i>Acta Radiologica</i> , 2017, 58, 521-527.	1.1	3
65	Unrecognized myocardial infarction detected on cardiac magnetic resonance imaging: Association with coronary artery calcium score and cardiovascular risk prediction scores in asymptomatic Asian cohort. <i>PLoS ONE</i> , 2018, 13, e0204040.	2.5	3
66	Clinical Utility of Coronary CT Angiography with Stress Perfusion CT in Preoperative Cardiac Risk Evaluation. <i>Korean Circulation Journal</i> , 2014, 44, 170.	1.9	2
67	Comparación del efecto del aliskireno frente a controles negativos en la rigidez aórtica de los pacientes con síndrome de Marfan tratados con atenolol. <i>Revista Espanola De Cardiologia</i> , 2018, 71, 743-749.	1.2	2
68	Comparison of the Effect of Aliskiren Versus Negative Controls on Aortic Stiffness in Patients With Marfan Syndrome Under Treatment With Atenolol. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2018, 71, 743-749.	0.6	2
69	Coronary-subclavian Steal Syndrome in a Patient with Takayasu Arteritis. <i>Korean Journal of Medicine</i> , 2016, 91, 37-41.	0.3	2
70	Semiautomated Analysis of Aortic Stenosis Parameters on Velocity-Encoded Phase-Contrast MR Images in Patients with Severe Aortic Stenosis: A Comparison with Echocardiography. <i>Cardiovascular Imaging Asia</i> , 2017, 1, 78.	0.1	2
71	Computed tomography and magnetic resonance imaging assessment of aortic valve stenosis: an update. <i>Precision and Future Medicine</i> , 2020, 4, 119-132.	1.6	2
72	Semi-Quantitative Scoring of Late Gadolinium Enhancement of the Left Ventricle in Patients with Ischemic Cardiomyopathy: Improving Interobserver Reliability and Agreement Using Consensus Guidance from the Asian Society of Cardiovascular Imaging-Practical Tutorial (ASCI-PT) 2020. <i>Korean Journal of Radiology</i> , 2022, 23, 298.	3.4	2

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73	Determinants of Exercise Capacity in Patients With Hypertrophic Cardiomyopathy. <i>Journal of Korean Medical Science</i> , 2022, 37, e62.	2.5	2
74	A Preoperative Assessment of Significant Coronary Stenosis Based on a Semiquantitative Analysis of Coronary Artery Calcification on Noncontrast Computed Tomography in Aortic Stenosis Patients Undergoing Aortic Valve Replacement. <i>Medicine (United States)</i> , 2016, 95, e2906.	1.0	1
75	A New Method for Aortic Valve Planimetry with High-Resolution 3-Dimensional MRI and Its Comparison with Conventional Cine MRI and Echocardiography for Assessing the Severity of Aortic Valvular Stenosis. <i>Korean Journal of Radiology</i> , 2021, 22, 1266.	3.4	1
76	Free-Breathing Motion-Corrected Single-Shot Phase-Sensitive Inversion Recovery Late-Gadolinium-Enhancement Imaging: A Prospective Study of Image Quality in Patients with Hypertrophic Cardiomyopathy. <i>Korean Journal of Radiology</i> , 2021, 22, 1044.	3.4	1
77	Semi-Quantitative Scoring of Late Gadolinium Enhancement of the Left Ventricle in Patients with Ischemic Cardiomyopathy: Consensus Statement from the Asian Society of Cardiovascular Imaging-Practical Tutorial (ASCI-PT) 2020. <i>Cardiovascular Imaging Asia</i> , 2021, 5, 26.	0.1	1
78	A Primary Neuroendocrine Tumor Mimicking a Thrombus in the Left Atrial Appendage. <i>Journal of the Korean Society of Radiology</i> , 0, 82, .	0.2	1
79	Cardiac computed tomography reveals aortic valve perforation in a patient with severe aortic regurgitation. <i>Korean Journal of Internal Medicine</i> , 2019, 34, 233-234.	1.7	1
80	Mechanical Surface Area of Prosthetic Heart Valve: Adverse Clinical Impact of Large Mechanical Valve in Mitral Position. <i>ASAIO Journal</i> , 2018, 64, 779-784.	1.6	0
81	Transluminal Attenuation Gradient and Other CT Techniques for Gauging Lesion Significance. <i>Contemporary Medical Imaging</i> , 2019, , 749-766.	0.4	0
82	Comparison of fractional myocardial mass, a vessel-specific myocardial mass-at-risk, with coronary angiographic scoring systems for predicting myocardial ischemia. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 322-329.	1.3	0
83	Non-mass-forming Lymphoma of the Left Ventricle Mimicking Non-ischemic Cardiomyopathy on MR Imaging: A Case Report. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , 2012, 16, 189.	0.1	0
84	High-resolution MR Imaging of Carotid Atherosclerotic Plaques. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , 2012, 16, 97.	0.1	0
85	Quantitative Analysis of 3-Dimensional Volumetry and Histogram of Thyroid Gland on Neck Computed Tomography for Patients with Hashimoto's Thyroiditis. <i>Journal of the Korean Society of Radiology</i> , 2015, 73, 367.	0.2	0
86	Three-Dimensional Printed Model of Partial Anomalous Pulmonary Venous Return with Biatrial Connection. <i>Journal of the Korean Society of Radiology</i> , 2020, 81, 1523.	0.2	0
87	Reply: Refining the prediction of side branch occlusion following percutaneous coronary intervention in bifurcation lesions. <i>EuroIntervention</i> , 2020, 16, e527-e528.	3.2	0
88	Takayasu Arteritis: Assessment of Coronary Arterial Abnormalities with 128-Section Dual-Source CT Angiography of the Coronary Arteries and Aorta. <i>Radiology</i> , 0, , 122195.	7.3	0
89	A Case of Incomplete Kawasaki Disease Complicated by Acute Coronary Syndrome Initially Diagnosed on Coronary CT Angiography. <i>Korean Circulation Journal</i> , 0, 52, .	1.9	0