Byoung Wook Choi

List of Publications by Year
in descending order

192	4,930	87888	133252
papers	citations	38 h-index	59 g-index

192	192	192	6193
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative Effectiveness and Safety of Preoperative Lung Localization for Pulmonary Nodules. Chest, 2017, 151, 316-328.	0.8	211
2	Deep Convolutional Neural Networkâ€“based Software Improves Radiologist Detection of Malignant Lung Nodules on Chest Radiographs. Radiology, 2020, 294, 199-209.	7.3	164
3	Myocardial T1 and T2 Mapping: Techniques and Clinical Applications. Korean Journal of Radiology, 2017, 18, 113.	3.4	147
4	Left Atrial Appendage Thrombi in Stroke Patients: Detection with Two-Phase Cardiac CT Angiography versus Transesophageal Echocardiography. Radiology, 2009, 251, 683-690.	7.3	142
5	CT fluoroscopy-guided lung biopsy versus conventional CT-guided lung biopsy: a prospective controlled study to assess radiation doses and diagnostic performance. European Radiology, 2011, 21, 232-239.	4.5	133
6	How to Develop, Validate, and Compare Clinical Prediction Models Involving Radiological Parameters: Study Design and Statistical Methods. Korean Journal of Radiology, 2016, 17, 339.	3.4	127
7	Myocardial Extracellular Volume Fraction with Dual-Energy Equilibrium Contrast-enhanced Cardiac CT in Nonischemic Cardiomyopathy: A Prospective Comparison with Cardiac MR Imaging. Radiology, 2016, 280, 49-57.	7.3	125
8	Cardioembolic Stroke: Dual-Energy Cardiac CT for Differentiation of Left Atrial Appendage Thrombus and Circulatory Stasis. Radiology, 2012, 263, 688-695.	7.3	120
9	Tumor perfusionâ€related parameter of diffusionâ€weighted magnetic resonance imaging: Correlation with histological microvessel density. Magnetic Resonance in Medicine, 2014, 71, 1554-1558.	3.0	115
10	Dual-Enhanced Cardiac CT for Detection of Left Atrial Appendage Thrombus in Patients With Stroke. Stroke, 2011, 42, 2471-2477.	2.0	110
11	Pitfalls, Artifacts, and Remedies in Multiâ€“ Detector Row CT Coronary Angiography. Radiographics, 2004, 24, 787-800.	3.3	95
12	Anomalous Origin of the Right Coronary Artery from the Left Coronary Sinus with an Interarterial Course: Subtypes and Clinical Importance. Radiology, 2012, 262, 101-108.	7.3	91
13	Diagnostic Accuracy of CT Fluoroscopyâ€“Guided Needle Aspiration Biopsy of Ground-Glass Opacity Pulmonary Lesions. American Journal of Roentgenology, 2009, 192, 629-634.	2.2	82
14	Native T 1 Mapping by 3-T CMR ImagingÂforÂCharacterization of Chronic Myocardial Infarctions. JACC: Cardiovascular Imaging, 2015, 8, 1019-1030.	5.3	75
15	Patent Foramen Ovale: Diagnosis with Multidetector CTâ€”Comparison with Transesophageal Echocardiography. Radiology, 2009, 250, 61-67.	7.3	72
16	Cardiac Computed Tomographic Angiography for Detection of Cardiac Sources of Embolism in Stroke Patients. Stroke, 2009, 40, 2073-2078.	2.0	70
17	Thrombus in the Left Atrial Appendage in Stroke Patients: Detection with Cardiac CT Angiographyâ€”A Preliminary Report. Radiology, 2008, 249, 81-87.	7.3	69
18	Hypertrophic Cardiomyopathy: Assessment with MR Imaging and Multidetector CT. Radiographics, 2010, 30, 1309-1328.	3.3	69

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19	The comparison of the graft patency after coronary artery bypass grafting using coronary angiography and multi-slice computed tomography. European Journal of Cardio-thoracic Surgery, 2003, 24, 86-91.	1.4	65
20	The Frequency and Risk of Preclinical Coronary Artery Disease Detected Using Multichannel Cardiac Computed Tomography in Patients with Ischemic Stroke. Cerebrovascular Diseases, 2012, 33, 286-294.	1.7	64
21	Different Perfusion Pattern Between Acute and Chronic Pulmonary Thromboembolism: Evaluation With Two-Phase Dual-Energy Perfusion CT. American Journal of Roentgenology, 2013, 200, 812-817.	2.2	60
22	Utility of CT radiomics for prediction of PDâ€Ł1 expression in advanced lung adenocarcinomas. Thoracic Cancer, 2020, 11, 993-1004.	1.9	56
23	Coronary Artery Calcium Scoring Does Not Add Prognostic Value to Standard 64-Section CT Angiography Protocol in Low-Risk Patients Suspected of Having Coronary Artery Disease. Radiology, 2011, 259, 92-99.	7.3	55
24	Correlation between EGFR gene mutation, cytologic tumor markers, 18F-FDG uptake in non-small cell lung cancer. BMC Cancer, 2016, 16, 224.	2.6	54
25	High-resolution T1 MRI via renally clearable dextran nanoparticles with an iron oxide shell. Nature Biomedical Engineering, 2021, 5, 252-263.	22.5	53
26	Usefulness of magnetic resonance imaging for evaluation of cardiovascular invasion: Evaluation of sliding motion between thoracic mass and adjacent structures on cine MR images. Journal of Magnetic Resonance Imaging, 2005, 22, 234-241.	3.4	50
27	Evaluation of right ventricular volume and mass using retrospective ECG-gated cardiac multidetector computed tomography: comparison with first-pass radionuclide angiography. European Radiology, 2005, 15, 1987-1993.	4.5	49
28	Meaning of zero coronary calcium score in symptomatic patients referred for coronary computed tomographic angiography. European Heart Journal Cardiovascular Imaging, 2012, 13, 776-785.	1.2	49
29	Myocardial Characterization UsingÂDual-Energy CT in Doxorubicin-Induced DCM. JACC: Cardiovascular Imaging, 2016, 9, 836-845.	5.3	48
30	Quantification and Characterization of Obstructive Coronary Plaques Using 64-Slice Computed Tomography. Journal of Computer Assisted Tomography, 2009, 33, 186-192.	0.9	47
31	Additional value of dual-energy CT to differentiate between benign and malignant mediastinal tumors: An initial experience. European Journal of Radiology, 2013, 82, 2043-2049.	2.6	45
32	Saline Flush Effect for Enhancement of Aorta and Coronary Arteries at Multidetector CT Coronary Angiography. Radiology, 2008, 246, 110-115.	7.3	44
33	ASCI 2010 appropriateness criteria for cardiac computed tomography: a report of the Asian Society of Cardiovascular Imaging cardiac computed tomography and cardiac magnetic resonance imaging guideline Working Group. International Journal of Cardiovascular Imaging, 2010, 26, 1-15.	1.5	44
34	Contrast-enhanced T1 mapping-based extracellular volume fraction independently predicts clinical outcome in patients with non-ischemic dilated cardiomyopathy: a prospective cohort study. European Radiology, 2017, 27, 3924-3933.	4.5	44
35	Dual-Enhancement Cardiac Computed Tomography for Assessing Left Atrial Thrombus and Pulmonary Veins Before Radiofrequency Catheter Ablation for Atrial Fibrillation. American Journal of Cardiology, 2013, 112, 238-244.	1.6	43
36	Fabrication of Multifunctional Layer-by-Layer Nanocapsules toward the Design of Theragnostic Nanoplatform. Biomacromolecules, 2014, 15, 1382-1389.	5.4	42

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37	Early Detection and Serial Monitoring of Anthracycline-Induced Cardiotoxicity Using T1-mapping Cardiac Magnetic Resonance Imaging: An Animal Study. Scientific Reports, 2017, 7, 2663.	3.3	42
38	CT Detection of Subendocardial Fat in Myocardial Infarction. American Journal of Roentgenology, 2009, 192, 532-537.	2.2	41
39	Delayed enhancement in hypertrophic cardiomyopathy: Comparison with myocardial tagging MRI. Journal of Magnetic Resonance Imaging, 2008, 27, 1054-1060.	3.4	38
40	Utility of Dual-Energy CT-based Monochromatic Imaging in the Assessment of Myocardial Delayed Enhancement in Patients with Cardiomyopathy. Radiology, 2018, 287, 442-451.	7.3	37
41	Radiologic findings of Mirizzi syndrome with emphasis on MRI. Yonsei Medical Journal, 2000, 41, 144.	2.2	36
42	Deep-learned 3D black-blood imaging using automatic labelling technique and 3D convolutional neural networks for detecting metastatic brain tumors. Scientific Reports, 2018, 8, 9450.	3.3	36
43	Differential CT features of infectious pneumonia versus bronchioloalveolar carcinoma (BAC) mimicking pneumonia. European Radiology, 2006, 16, 1763-1768.	4.5	35
44	CT-based abdominal aortic calcification score as a surrogate marker for predicting the presence of asymptomatic coronary artery disease. European Radiology, 2014, 24, 2491-2498.	4.5	35
45	Semiquantitative assessment of tibial artery calcification by computed tomography angiography and its ability to predict infrapopliteal angioplasty outcomes. Journal of Vascular Surgery, 2016, 64, 1335-1343.	1.1	33
46	In vivo magnetic resonance imaging of injected mesenchymal stem cells in rat myocardial infarction; simultaneous cell tracking and left ventricular function measurement. International Journal of Cardiovascular Imaging, 2009, 25, 99-109.	1.5	31
47	Dual-energy CT-based iodine quantification for differentiating pulmonary artery sarcoma from pulmonary thromboembolism: a pilot study. European Radiology, 2016, 26, 3162-3170.	4.5	31
48	Patterns of late gadolinium enhancement are associated with ventricular stiffness in patients with advanced nonâ€ischaemic dilated cardiomyopathyâ€. European Journal of Heart Failure, 2009, 11, 573-580.	7.1	30
49	Prognostic Value of Multidetector Coronary Computed Tomography Angiography in Relation to Exercise Electrocardiogram in Patients With Suspected Coronary Artery Disease. Journal of the American College of Cardiology, 2012, 60, 2205-2215.	2.8	30
50	Predicting Asymptomatic Coronary Artery Diseasein Patients With Ischemic Stroke and Transient Ischemic Attack. Stroke, 2014, 45, 82-86.	2.0	29
51	Extracellular volume fraction in dilated cardiomyopathy patients without obvious late gadolinium enhancement: comparison with healthy control subjects. International Journal of Cardiovascular Imaging, 2015, 31, 115-122.	1.5	29
52	Assessment of Mitral Paravalvular Leakage After Mitral Valve Replacement Using Cardiac Computed Tomography. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	29
53	Use of Artificial Intelligence-Based Software as Medical Devices for Chest Radiography: A Position Paper from the Korean Society of Thoracic Radiology. Korean Journal of Radiology, 2021, 22, 1743.	3.4	29
54	MDCT of Pulmonary Embolism After Percutaneous Vertebroplasty. American Journal of Roentgenology, 2005, 184, 1364-1365.	2.2	29

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55	Combined Use of Automatic Tube Potential Selection with Tube Current Modulation and Iterative Reconstruction Technique in Coronary CT Angiography. Radiology, 2013, 269, 722-729.	7.3	27
56	Dual-energy cardiac computed tomography for differentiating cardiac myxoma from thrombus. International Journal of Cardiovascular Imaging, 2014, 30, 121-128.	1.5	27
57	Real-time control architecture based on Xenomai using ROS packages for a service robot. Journal of Systems and Software, 2019, 151, 8-19.	4.5	27
58	Correlation of Serial Cardiac Magnetic Resonance Imaging Parameters With Early Resolution of ST-Segment Elevation After Primary Percutaneous Coronary Intervention. Circulation Journal, 2008, 72, 1621-1626.	1.6	26
59	Added value of cardiac computed tomography for evaluation of mechanical aortic valve: Emphasis on evaluation of pannus with surgical findings as standard reference. International Journal of Cardiology, 2016, 214, 454-460.	1.7	26
60	Assessment of myocardial delayed enhancement with cardiac computed tomography in cardiomyopathies: a prospective comparison with delayed enhancement cardiac magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2017, 33, 577-584.	1.5	26
61	Real-Time Characteristics of ROS 2.0 in Multiagent Robot Systems: An Empirical Study. IEEE Access, 2020, 8, 154637-154651.	4.2	26
62	Delayed Hyperenhancement Magnetic Resonance Imaging Is Useful in Predicting Functional Recovery of Nonischemic Left Ventricular Systolic Dysfunction. Journal of Cardiac Failure, 2006, 12, 93-99.	1.7	25
63	Phase II trial of irinotecan and cisplatin with early concurrent radiotherapy in limited-disease small-cell lung cancer. Cancer, 2007, 109, 1845-1950.	4.1	25
64	Delayed Enhancement Magnetic Resonance Imaging Is a Significant Prognostic Factor in Patients With Non-Ischemic Cardiomyopathy. Circulation Journal, 2010, 74, 476-483.	1.6	25
65	Use of Contrast Enhancement and High-Resolution 3D Black-Blood MRI to Identify Inflammation in Atherosclerosis. JACC: Cardiovascular Imaging, 2010, 3, 1127-1135.	5.3	25
66	Prognostic value of coronary computed tomography angiography in stroke patients. Atherosclerosis, 2015, 238, 271-277.	0.8	25
67	Cardiac CT Imaging for Ischemic Stroke: Current and Evolving Clinical Applications. Radiology, 2017, 283, 14-28.	7.3	25
68	Volume-based quantification using dual-energy computed tomography in the differentiation of thymic epithelial tumours: an initial experience. European Radiology, 2017, 27, 1992-2001.	4.5	25
69	Evaluation of Coronary Artery In-stent Restenosis by 64-Section Computed Tomography. Journal of Thoracic Imaging, 2010, 25, 57-63.	1.5	24
70	Ischemic Stroke: Measurement of Intracranial Artery Calcifications Can Improve Prediction of Asymptomatic Coronary Artery Disease. Radiology, 2013, 268, 842-849.	7.3	24
71	Accuracy of CT for Selecting Candidates for Coronary Artery Bypass Graft Surgery: Combination with the SYNTAX Score. Radiology, 2015, 276, 390-399.	7.3	23
72	Exploiting the Vulnerability of Deep Learning-Based Artificial Intelligence Models in Medical Imaging: Adversarial Attacks. Journal of the Korean Society of Radiology, 2019, 80, 259.	0.2	23

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73	The Utility of Multi-detector Row Spiral CT for Detection of Coronary Artery Stenoses. Yonsei Medical Journal, 2005, 46, 86.	2.2	21
74	Acute Pulmonary Embolism: Retrospective Cohort Study of the Predictive Value of Perfusion Defect Volume Measured With Dual-Energy CT. American Journal of Roentgenology, 2017, 209, 1015-1022.	2.2	21
75	Value of Computed Tomography Radiomic Features for Differentiation of Periprosthetic Mass in Patients With Suspected Prosthetic Valve Obstruction. Circulation: Cardiovascular Imaging, 2019, 12, e009496.	2.6	21
76	Interatrial Shunt Detected in Coronary Computed Tomography Angiography. Journal of Computer Assisted Tomography, 2008, 32, 663-667.	0.9	20
77	The usefulness of delayed contrast-enhanced cardiovascular magnetic resonance imaging in differentiating cardiac tumors from thrombi in stroke patients. International Journal of Cardiovascular Imaging, 2011, 27, 89-95.	1.5	20
78	Predictors of Recurrent Stroke in Patients with Ischemic Stroke: Comparison Study between Transesophageal Echocardiography and Cardiac CT. Radiology, 2015, 276, 381-389.	7.3	20
79	Hook-wire localization versus lipiodol localization for patients with pulmonary lesions having ground-glass opacity. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1571-1579.e2.	0.8	19
80	Cardiac CT for Measurement of Right Ventricular Volume and Function in Comparison with Cardiac MRI: A Meta-Analysis. Korean Journal of Radiology, 2020, 21, 450.	3.4	19
81	Differentiation of left atrial appendage thrombus from circulatory stasis using cardiac CT radiomics in patients with valvular heart disease. European Radiology, 2021, 31, 1130-1139.	4.5	18
82	Using Electron Beam CT to Evaluate Conotruncal Anomalies in Pediatric and Adult Patients. American Journal of Roentgenology, 2001, 177, 1045-1049.	2.2	17
83	Assessment of Coronary Artery Bypass Graft Patency by Multislice Computed Tomography. Yonsei Medical Journal, 2003, 44, 438.	2.2	17
84	Additional diagnostic value of tumor markers in cytological fluid for diagnosis of non-small-cell lung cancer. BMC Cancer, 2012, 12, 392.	2.6	17
85	Predictive factors for treatment response using dual-energy computed tomography in patients with advanced lung adenocarcinoma. European Journal of Radiology, 2018, 101, 118-123.	2.6	17
86	Prognostic value of coronary artery disease-reporting and data system (CAD-RADS) score for cardiovascular events in ischemic stroke. Atherosclerosis, 2019, 287, 1-7.	0.8	17
87	Open Embedded Real-time Controllers for Industrial Distributed Control Systems. Electronics (Switzerland), 2019, 8, 223.	3.1	17
88	Diagnostic Value of Advanced ImagingÂModalities for the DetectionÂandÂDifferentiation of Prosthetic ValveÂObstruction. JACC: Cardiovascular Imaging, 2019, 12, 2182-2192.	5.3	17
89	Feasibility and Diagnostic Accuracy of Whole Heart Coronary MR Angiography Using Free-Breathing 3D Balanced Turbo-Field-Echo with SENSE and the Half-Fourier Acquisition Technique. Korean Journal of Radiology, 2006, 7, 235.	3.4	16
90	Dual-energy CT for differentiating acute and chronic pulmonary thromboembolism: an initial experience. International Journal of Cardiovascular Imaging, 2014, 30, 113-120.	1.5	16

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91	Respiratory dynamic magnetic resonance imaging for determining aortic invasion of thoracic neoplasms. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 644-650.	0.8	16
92	Quantitative Analysis of a Whole Cardiac Mass Using Dual-Energy Computed Tomography: Comparison with Conventional Computed Tomography and Magnetic Resonance Imaging. Scientific Reports, 2018, 8, 15334.	3.3	16
93	Measurement of Opening and Closing Angles of Aortic Valve ProsthesesIn VivoUsing Dual-Source Computed Tomography: Comparison with Those of Manufacturers' in 10 Different Types. Korean Journal of Radiology, 2015, 16, 1012.	3.4	15
94	Prognostic value of SYNTAX score based on coronary computed tomography angiography. International Journal of Cardiology, 2015, 199, 460-466.	1.7	15
95	Synthetic Extracellular Volume Fraction Derived Using Virtual Unenhanced Attenuation of Blood on Contrast-Enhanced Cardiac Dual-Energy CT in Nonischemic Cardiomyopathy. American Journal of Roentgenology, 2022, 218, 454-461.	2.2	15
96	Real-time control architecture using Xenomai for intelligent service robots in USN environments. Intelligent Service Robotics, 2009, 2, 139-151.	2.6	13
97	Differentiation Between Mucus Secretion and Endoluminal Tumors in the Airway: Analysis and Comparison of CT Findings. American Journal of Roentgenology, 2014, 202, 982-988.	2.2	13
98	Time, Dose, and Volume Responses in a Mouse Pulmonary Injury Model Following Ablative Irradiation. Lung, 2016, 194, 81-90.	3.3	13
99	Myocardial Extracellular Volume Fraction and Change in Hematocrit Level: MR Evaluation by Using T1 Mapping in an Experimental Model of Anemia. Radiology, 2018, 288, 93-98.	7.3	13
100	Performance of Prediction Models for Diagnosing Severe Aortic Stenosis Based on Aortic Valve Calcium on Cardiac Computed Tomography: Incorporation of Radiomics and Machine Learning. Korean Journal of Radiology, 2021, 22, 334.	3.4	13
101	Development of a deep learning-based algorithm for the automatic detection and quantification of aortic valve calcium. European Journal of Radiology, 2021, 137, 109582.	2.6	13
102	Dual-source coronary CT angiography in patients with high heart rates using a prospectively ECG-triggered axial mode at end-systole. International Journal of Cardiovascular Imaging, 2012, 28, 101-107.	1.5	12
103	The clinical significance of perivalvular pannus in prosthetic mitral valves: Can cardiac CT be helpful?. International Journal of Cardiology, 2017, 249, 344-348.	1.7	12
104	Network-Oriented Real-Time Embedded System Considering Synchronous Joint Space Motion for an Omnidirectional Mobile Robot. Electronics (Switzerland), 2019, 8, 317.	3.1	12
105	New Insights Into the Real-Time Performance of a Multicore Processor. IEEE Access, 2020, 8, 186199-186211.	4.2	12
106	Computed Tomographic Fluoroscopy-Guided Needle Aspiration Biopsy as a Second Biopsy Technique After Indeterminate Transbronchial Biopsy Results for Pulmonary Lesions. Journal of Computer Assisted Tomography, 2010, 34, 290-295.	0.9	11
107	Coronary Artery Anomalies: Detection on Coronary Artery Calcium Scoring Scan. American Journal of Roentgenology, 2010, 194, W382-W387.	2.2	11
108	Analysis of Tumor Markers in the Cytological Fluid Obtained from Computed Tomography-Guided Needle Aspiration Biopsy for the Diagnosis of Non-small Cell Lung Cancer. Journal of Thoracic Oncology, 2011, 6, 1330-1335.	1.1	11

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109	Lipiodol lOcalization for Ground-glass opacity mInimal Surgery: Rationale and design of the LOGIS trial. Contemporary Clinical Trials, 2015, 43, 194-199.	1.8	11
110	Usefulness of thinâ€section singleâ€shot turbo spin echo with halfâ€fourier acquisition in evaluation of local invasion of lung cancer. Journal of Magnetic Resonance Imaging, 2015, 41, 747-754.	3.4	11
111	Utility of cardiac computed tomography for evaluation of pannus in mechanical aortic valve. International Journal of Cardiovascular Imaging, 2015, 31, 1271-1280.	1.5	10
112	Detecting Regional Myocardial Abnormalities in Patients With Wolff-Parkinson-White Syndrome With the Use of ECG-Gated Cardiac MDCT. American Journal of Roentgenology, 2016, 206, 719-725.	2.2	10
113	Design and Implementation Procedure for an Advanced Driver Assistance System Based on an Open Source AUTOSAR. Electronics (Switzerland), 2019, 8, 1025.	3.1	10
114	Ultrahigh-field cardiovascular magnetic resonance T1 and T2 mapping for the assessment of anthracycline-induced cardiotoxicity in rat models: validation against histopathologic changes. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 76.	3.3	10
115	Evaluation of extracellular volume fraction thresholds corresponding to myocardial late-gadolinium enhancement using cardiac magnetic resonance. International Journal of Cardiovascular Imaging, 2014, 30, 137-144.	1.5	9
116	Prevalence and extent of atherosclerotic coronary artery disease and related outcome based on coronary computed tomographic angiography in asymptomatic elderly patients: retrospective cohort study. International Journal of Cardiovascular Imaging, 2014, 30, 669-676.	1.5	9
117	Relationship between Myocardial Extracellular Space Expansion Estimated with Post-Contrast T1 Mapping MRI and Left Ventricular Remodeling and Neurohormonal Activation in Patients with Dilated Cardiomyopathy. Korean Journal of Radiology, 2015, 16, 1153.	3.4	9
118	Absolute-Delay Multiphase Reconstruction Reduces Prosthetic Valveâ€"Related and Atrial Fibrillationâ€"Related Artifacts at Cardiac CT. American Journal of Roentgenology, 2017, 208, W160-W167.	2.2	9
119	A whole-heart motion-correction algorithm: Effects on CT image quality and diagnostic accuracy of mechanical valve prosthesis abnormalities. Journal of Cardiovascular Computed Tomography, 2017, 11, 474-481.	1.3	9
120	Role of Cardiac Computed Tomography for Etiology Evaluation of Newly Diagnosed Heart Failure with Reduced Ejection Fraction. Journal of Clinical Medicine, 2020, 9, 2270.	2.4	9
121	Prognostic Value of Dual-Energy CT-Based Iodine Quantification versus Conventional CT in Acute Pulmonary Embolism: A Propensity-Match Analysis. Korean Journal of Radiology, 2020, 21, 1095.	3.4	9
122	Radiologic findings of lung lobe torsion in reconstructed multidetector computed tomography image lead to early detection. Clinical Imaging, 2010, 34, 400-403.	1.5	8
123	Synthesis and characterization of ethosomal contrast agents containing iodine for computed tomography (CT) imaging applications. Journal of Liposome Research, 2014, 24, 124-129.	3.3	8
124	Feasibility of Single Scan for Simultaneous Evaluation of Regional Krypton and Iodine Concentrations with Dual-Energy CT: An Experimental Study. Radiology, 2016, 281, 597-605.	7.3	8
125	Cardiotoxicity evaluation using magnetic resonance imaging in breast Cancer patients (CareBest): study protocol for a prospective trial. BMC Cardiovascular Disorders, 2020, 20, 264.	1.7	8
126	Radiomics Feature Analysis Using Native T1 Mapping for Discriminating Between Cardiac Tumors and Thrombi. Academic Radiology, 2022, 29, S1-S8.	2.5	8

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127	Evaluation of the Post-Shunt Status with Electron Beam Computed Tomography in Cyanotic Congenital Heart Disease. Yonsei Medical Journal, 2003, 44, 249.	2.2	7
128	Differentiation of Acute Myocardial Infarction from Chronic Myocardial Scar with MRI. Korean Journal of Radiology, 2006, 7, 1.	3.4	7
129	Diagnostic accuracy of 64-slice multidetector computed tomography for selecting coronary artery bypass graft surgery candidates. Journal of Thoracic and Cardiovascular Surgery, 2011, 141, 571-577.	0.8	7
130	Analysis of tumor markers in cytological fluid obtained from computed tomographyâ€“guided needle aspiration biopsies for the diagnosis of groundâ€glass opacity pulmonary lesions. Cancer Cytopathology, 2013, 121, 214-222.	2.4	7
131	Predictors of False-Negative Results from Percutaneous Transthoracic Fine-Needle Aspiration Biopsy: An Observational Study from a Retrospective Cohort. Yonsei Medical Journal, 2016, 57, 1243.	2.2	7
132	SYNTAX score based on coronary computed tomography angiography may have a prognostic value in patients with complex coronary artery disease. Medicine (United States), 2017, 96, e7999.	1.0	7
133	Altered myocardial characteristics of the preexcited segment in Wolff-Parkinson-White syndrome: A pilot study with cardiac magnetic resonance imaging. PLoS ONE, 2018, 13, e0198218.	2.5	7
134	Reliability of Coronary Artery Calcium Severity Assessment on Non-Electrocardiogram-Gated CT: A Meta-Analysis. Korean Journal of Radiology, 2021, 22, 1034.	3.4	7
135	Aortic Unfolding Determined Using Non-Contrast Cardiac Computed Tomography: Correlations with Age and Coronary Artery Calcium Score. PLoS ONE, 2014, 9, e95887.	2.5	7
136	NSCLC Subtype Prediction Using Cytologic Fluid Specimens From Needle Aspiration Biopsies. American Journal of Clinical Pathology, 2013, 139, 309-316.	0.7	6
137	Accuracy of computed tomography for selecting the revascularization method based on SYNTAX score II. European Radiology, 2018, 28, 2151-2158.	4.5	6
138	Effectiveness of automatic tube potential selection with tube current modulation in coronary CT angiography for obese patients: Comparison with a body mass index-based protocol using the propensity score matching method. PLoS ONE, 2018, 13, e0190584.	2.5	6
139	Utility of Cardiac CT for Preoperative Evaluation of Mitral Regurgitation: Morphological Evaluation of Mitral Valve and Prediction of Valve Replacement. Korean Journal of Radiology, 2019, 20, 352.	3.4	6
140	Chronic Cardiac Transplant Rejection. Circulation, 2008, 118, 885-886.	1.6	5
141	Usefulness of Multidetector Row Computed Tomography for Predicting Cardiac Events in Asymptomatic Chronic Kidney Disease Patients at the Initiation of Renal Replacement Therapy. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	5
142	Feasibility of a single-beat prospective ECG-gated cardiac CT for comprehensive evaluation of aortic valve disease using a 256-detector row wide-volume CT scanner: an initial experience. International Journal of Cardiovascular Imaging, 2018, 34, 293-300.	1.5	5
143	Application of EtherCAT in Microgrid Communication Network: A Case Study. , 2018, , .		5
144	Benefit of Four-Dimensional Computed Tomography Derived Ejection Fraction of the Left Atrial Appendage to Predict Thromboembolic Risk in the Patients with Valvular Heart Disease. Korean Circulation Journal, 2019, 49, 173.	1.9	5

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145	Comparison of artery-based methods for ordinal grading of coronary artery calcium on low-dose chest computed tomography. European Radiology, 2021, 31, 8108-8115.	4.5	5
146	Serial T1 mapping of right ventricle in pulmonary hypertension: comparison with histology in an animal study. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 64.	3.3	5
147	Anomalous great cardiac vein draining into the right atrium combined with a single left coronary artery. International Journal of Cardiovascular Imaging, 2013, 29, 53-56.	1.5	4
148	Lack of Association between Stroke and Left Atrial Out-Pouching Structures: Results of a Case-Control Study. PLoS ONE, 2013, 8, e76617.	2.5	4
149	Differential Prognostic Value of Coronary Computed Tomography Angiography in Relation to Exercise Electrocardiography in Asymptomatic Subjects. Journal of Cardiovascular Imaging, 2015, 23, 244.	0.8	4
150	Practical high curvature path planning algorithm in joint space. Electronics Letters, 2015, 51, 469-471.	1.0	4
151	Clinical Implications of Moderate Coronary Stenosis on Coronary Computed Tomography Angiography in Patients with Stable Angina. Yonsei Medical Journal, 2018, 59, 937.	2.2	4
152	Tricuspid annular diameter and right ventricular volume on preoperative cardiac CT can predict postoperative right ventricular dysfunction in patients who undergo tricuspid valve surgery. International Journal of Cardiology, 2019, 288, 44-50.	1.7	4
153	Relationship between Coronary Artery Calcification and Central Chorioretinal Thickness in Patients with Subclinical Atherosclerosis. Ophthalmologica, 2021, 244, 18-26.	1.9	4
154	Safe and Policy Oriented Secure Android-Based Industrial Embedded Control System. Applied Sciences (Switzerland), 2020, 10, 2796.	2.5	4
155	Technological Improvements in Cardiac Thrombus Diagnosis. Cardiovascular Imaging Asia, 2017, 1, 166.	0.1	4
156	Evaluation of the Ostium in Anomalous Origin of the Right Coronary Artery with an Interarterial Course Using Dynamic Cardiac CT and Implications of Ostial Findings. Korean Journal of Radiology, 2022, 23, 172.	3.4	4
157	Braid-like appearance of the coronary artery in Kawasaki disease: typical computed tomography and angiography findings. European Heart Journal, 2008, 29, 2791-2791.	2.2	3
158	Giant Right Coronary Aneurysm to Left Ventricular Fistula. Circulation: Cardiovascular Imaging, 2009, 2, e15-6.	2.6	3
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