

# Dong Hyun Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

165  
papers

3,496  
citations

172207

29  
h-index

174990

52  
g-index

170  
all docs

170  
docs citations

170  
times ranked

4683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Accuracy of a Machine-Learning Approach to Coronary Computed Tomographic Angiography—Based Fractional Flow Reserve. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007217.	1.3	280
2	Association Between Bicuspid Aortic Valve Phenotype and Patterns of Valvular Dysfunction and Bicuspid Aortopathy. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 150-161.	2.3	189
3	Three-Dimensional Printing: Basic Principles and Applications in Medicine and Radiology. <i>Korean Journal of Radiology</i> , 2016, 17, 182.	1.5	183
4	Cycle-consistent adversarial denoising network for multiphase coronary CT angiography. <i>Medical Physics</i> , 2019, 46, 550-562.	1.6	157
5	Association between non-alcoholic fatty liver disease and subclinical coronary atherosclerosis: An observational cohort study. <i>Journal of Hepatology</i> , 2018, 68, 1018-1024.	1.8	109
6	Whole-body MRI of Langerhans cell histiocytosis: comparison with radiography and bone scintigraphy. <i>Pediatric Radiology</i> , 2006, 36, 1019-1031.	1.1	105
7	Diagnostic performance of on-site CT-derived fractional flow reserve versus CT perfusion. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 432-440.	0.5	90
8	Coronary artery visibility in free-breathing young children with congenital heart disease on cardiac 64-slice CT: dual-source ECG-triggered sequential scan vs. single-source non-ECG-synchronized spiral scan. <i>Pediatric Radiology</i> , 2010, 40, 1670-1680.	1.1	73
9	Influence of Coronary Calcium on Diagnostic Performance of Machine Learning CT-FFR. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 760-770.	2.3	73
10	Myocardial 3-Dimensional Printing for Septal Myectomy Guidance in a Patient With Obstructive Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2015, 132, 300-301.	1.6	72
11	Triglyceride glucose index is a useful marker for predicting subclinical coronary artery disease in the absence of traditional risk factors. <i>Lipids in Health and Disease</i> , 2020, 19, 7.	1.2	69
12	Long-Term Prognostic Value of Coronary CT Angiography in Asymptomatic Type 2 Diabetes Mellitus. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1292-1300.	2.3	67
13	Association between insulin resistance, hyperglycemia, and coronary artery disease according to the presence of diabetes. <i>Scientific Reports</i> , 2019, 9, 6129.	1.6	65
14	Time-resolved three-dimensional contrast-enhanced magnetic resonance angiography in patients who have undergone a Fontan operation or bidirectional cavopulmonary connection: Initial experience. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 727-736.	1.9	63
15	Xenon ventilation CT using dual-source and dual-energy technique in children with bronchiolitis obliterans: correlation of xenon and CT density values with pulmonary function test results. <i>Pediatric Radiology</i> , 2010, 40, 1490-1497.	1.1	63
16	Korean Guidelines for the Appropriate Use of Cardiac CT. <i>Korean Journal of Radiology</i> , 2015, 16, 251.	1.5	59
17	Stress Myocardial Perfusion CT in Patients Suspected of Having Coronary Artery Disease: Visual and Quantitative Analysis—Validation by Using Fractional Flow Reserve. <i>Radiology</i> , 2015, 276, 715-723.	3.6	56
18	Demonstration of infective endocarditis by cardiac CT and transoesophageal echocardiography: comparison with intra-operative findings. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 199-207.	0.5	55

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19	Multislice CT angiography of interrupted aortic arch. <i>Pediatric Radiology</i> , 2008, 38, 89-100.	1.1	53
20	Multi-VENC acquisition of four-dimensional phase-contrast MRI to improve precision of velocity field measurement. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1909-1919.	1.9	49
21	Generalized Lymphangiomas: Radiologic Findings in Three Pediatric Patients. <i>Korean Journal of Radiology</i> , 2006, 7, 287.	1.5	43
22	Edoxaban Versus Dual Antiplatelet Therapy for Leaflet Thrombosis and Cerebral Thromboembolism After TAVR: The ADAPT-TAVR Randomized Clinical Trial. <i>Circulation</i> , 2022, 146, 466-479.	1.6	37
23	Aortic Valve Adaptation to Aortic Root Dilatation. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 828-835.	1.3	35
24	Hemodynamic Measurement Using Four-Dimensional Phase-Contrast MRI: Quantification of Hemodynamic Parameters and Clinical Applications. <i>Korean Journal of Radiology</i> , 2016, 17, 445.	1.5	35
25	Machine learning assessment of myocardial ischemia using angiography: Development and retrospective validation. <i>PLoS Medicine</i> , 2018, 15, e1002693.	3.9	34
26	CycleGAN denoising of extreme low-dose cardiac CT using wavelet-assisted noise disentanglement. <i>Medical Image Analysis</i> , 2021, 74, 102209.	7.0	34
27	Turbulent Kinetic Energy Measurement Using Phase Contrast MRI for Estimating the Post-Stenotic Pressure Drop: In Vitro Validation and Clinical Application. <i>PLoS ONE</i> , 2016, 11, e0151540.	1.1	34
28	Demonstration of Mitral Valve Prolapse with CT for Planning of Mitral Valve Repair. <i>Radiographics</i> , 2014, 34, 1537-1552.	1.4	33
29	Comparison of Aortic Root Anatomy and Calcification Distribution Between Asian and Caucasian Patients Who Underwent Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2015, 116, 1566-1573.	0.7	31
30	MRI of Small Cell Carcinoma of the Uterine Cervix with Pathologic Correlation. <i>American Journal of Roentgenology</i> , 2004, 182, 1255-1258.	1.0	30
31	Fully Automatic Coronary Calcium Score Software Empowered by Artificial Intelligence Technology: Validation Study Using Three CT Cohorts. <i>Korean Journal of Radiology</i> , 2021, 22, 1764.	1.5	30
32	Guideline for Cardiovascular Magnetic Resonance Imaging from the Korean Society of Cardiovascular Imaging—Part 1: Standardized Protocol. <i>Korean Journal of Radiology</i> , 2019, 20, 1313.	1.5	30
33	Triglyceride Glucose-Waist Circumference Better Predicts Coronary Calcium Progression Compared with Other Indices of Insulin Resistance: A Longitudinal Observational Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 92.	1.0	30
34	Prevalence of coronary atherosclerosis in an Asian population: findings from coronary computed tomographic angiography. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 659-668.	0.7	29
35	The influence of the aortic valve angle on the hemodynamic features of the thoracic aorta. <i>Scientific Reports</i> , 2016, 6, 32316.	1.6	29
36	Collateral Ventilation to Congenital Hyperlucent Lung Lesions Assessed on Xenon-Enhanced Dynamic Dual-Energy CT: an Initial Experience. <i>Korean Journal of Radiology</i> , 2011, 12, 25.	1.5	28

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37	Subprosthetic Pannus after Aortic Valve Replacement Surgery: Cardiac CT Findings and Clinical Features. <i>Radiology</i> , 2015, 276, 724-731.	3.6	28
38	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.	1.5	28
39	Coronary CT angiography characteristics of OCT-defined thin-cap fibroatheroma: a section-to-section comparison study. <i>European Radiology</i> , 2018, 28, 833-843.	2.3	27
40	2014 Korean Guidelines for Appropriate Utilization of Cardiovascular Magnetic Resonance Imaging: A Joint Report of the Korean Society of Cardiology and the Korean Society of Radiology. <i>Korean Journal of Radiology</i> , 2014, 15, 659.	1.5	26
41	Incremental Value of Subtended Myocardial Mass for Identifying FFR-Verified Ischemia Using Quantitative CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 707-717.	2.3	26
42	CT-based myocardial ischemia evaluation: quantitative angiography, transluminal attenuation gradient, myocardial perfusion, and CT-derived fractional flow reserve. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1-19.	0.7	24
43	Independent role of low-density lipoprotein cholesterol in subclinical coronary atherosclerosis in the absence of traditional cardiovascular risk factors. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 866-872.	0.5	22
44	Intracardiac migration of a Kirschner wire: case report and literature review. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 85-88.	0.7	21
45	Four-dimensional flow MRI for evaluation of post-stenotic turbulent flow in a phantom: comparison with flowmeter and computational fluid dynamics. <i>European Radiology</i> , 2016, 26, 3588-3597.	2.3	20
46	CT myocardial perfusion imaging: current status and future perspectives. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1009-1020.	0.7	20
47	The impact of non-alcoholic fatty liver disease and metabolic syndrome on the progression of coronary artery calcification. <i>Scientific Reports</i> , 2018, 8, 12004.	1.6	19
48	Gender differences in the diagnostic performance of machine learning coronary CT angiography-derived fractional flow reserve -results from the MACHINE registry. <i>European Journal of Radiology</i> , 2019, 119, 108657.	1.2	19
49	Computed Tomography Features of Cuspal Thrombosis and Subvalvular Tissue Ingrowth after Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2020, 125, 597-606.	0.7	19
50	Association between serum gamma-glutamyltransferase and the progression of coronary artery calcification. <i>Atherosclerosis</i> , 2015, 243, 300-306.	0.4	18
51	Comparison of Coronary Computed Tomographic Angiographic Findings in Asymptomatic Subjects With Versus Without Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2015, 116, 372-378.	0.7	18
52	Comparison of the Diagnostic Performance of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve in Patients With Versus Without Diabetes Mellitus (from the MACHINE) Tj ETQqO 0 0 rgBT (Overlock 18 Tf 50 18		
53	CardioNet: a manually curated database for artificial intelligence-based research on cardiovascular diseases. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 29.	1.5	18
54	Demonstration of Prosthetic Aortic Valve Dehiscence in a Patient With Noninfectious Aortitis by Multimodality Imaging. <i>Circulation</i> , 2013, 128, 759-761.	1.6	17

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55	Better Diagnosis of Functionally Significant Intermediate Sized Narrowings Using Intravascular Ultrasound-Minimal Lumen Area and Coronary Computed Tomographic Angiographyâ€”Based Myocardial Segmentation. <i>American Journal of Cardiology</i> , 2016, 117, 1282-1288.	0.7	17
56	Paravalvular leakage in patients with prosthetic heart valves: cardiac computed tomography findings and clinical features. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1419-1427.	0.5	17
57	Automated Segmentation of Left Ventricular Myocardium on Cardiac Computed Tomography Using Deep Learning. <i>Korean Journal of Radiology</i> , 2020, 21, 660.	1.5	17
58	Mathematically Derived Criteria for Detecting Functionally Significant Stenoses Using Coronary Computed Tomographic Angiographyâ€”Based Myocardial Segmentation and Intravascular Ultrasoundâ€”Measured Minimal Lumen Area. <i>American Journal of Cardiology</i> , 2016, 118, 170-176.	0.7	16
59	Serum uric acid level and subclinical coronary atherosclerosis in asymptomatic individuals: An observational cohort study. <i>Atherosclerosis</i> , 2019, 288, 112-117.	0.4	16
60	Guidelines for Cardiovascular Magnetic Resonance Imaging from the Korean Society of Cardiovascular Imagingâ€”Part 2: Interpretation of Cine, Flow, and Angiography Data. <i>Korean Journal of Radiology</i> , 2019, 20, 1477.	1.5	16
61	Association between C-reactive Protein and Type of Coronary Arterial Plaque in Asymptomatic Patients: Assessment with Coronary CT Angiography. <i>Radiology</i> , 2014, 272, 665-673.	3.6	15
62	2013 ACC/AHA Cholesterol Guideline Versus 2004 NCEP ATP III Guideline in the Prediction of Coronary Artery Calcification Progression in a Korean Population. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	15
63	National Survey of Radiation Doses of Pediatric Chest Radiography in Korea: Analysis of the Factors Affecting Radiation Doses. <i>Korean Journal of Radiology</i> , 2012, 13, 610.	1.5	14
64	Prediabetes is not a risk factor for subclinical coronary atherosclerosis. <i>International Journal of Cardiology</i> , 2017, 243, 479-484.	0.8	14
65	Geometric predictors of left ventricular outflow tract obstruction in patients with hypertrophic cardiomyopathy: a 3D computed tomography analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1149-1156.	0.5	14
66	Risk of New Native-Vessel Occlusion After Coronary Artery Bypass Grafting. <i>American Journal of Cardiology</i> , 2017, 119, 7-13.	0.7	13
67	Effect of pannus formation on the prosthetic heart valve: In vitro demonstration using particle image velocimetry. <i>PLoS ONE</i> , 2018, 13, e0199792.	1.1	13
68	Guidelines for Cardiovascular Magnetic Resonance Imaging from the Korean Society of Cardiovascular Imagingâ€”Part 3: Perfusion, Delayed Enhancement, and T1- and T2 Mapping. <i>Korean Journal of Radiology</i> , 2019, 20, 1562.	1.5	13
69	2014 Korean Guidelines for Appropriate Utilization of Cardiovascular Magnetic Resonance Imaging: A Joint Report of the Korean Society of Cardiology and the Korean Society of Radiology. <i>Korean Circulation Journal</i> , 2014, 44, 359.	0.7	12
70	Estimation of turbulent kinetic energy using 4D phase-contrast MRI: Effect of scan parameters and target vessel size. <i>Magnetic Resonance Imaging</i> , 2016, 34, 715-723.	1.0	12
71	Post-stenotic plug-like jet with a vortex ring demonstrated by 4D flow MRI. <i>Magnetic Resonance Imaging</i> , 2016, 34, 371-375.	1.0	12
72	Functional classification of aortic regurgitation using cardiac computed tomography: comparison with surgical inspection. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1295-1303.	0.7	12

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73	Impact of Subtended Myocardial Mass Assessed by Coronary Computed Tomographic Angiography-Based Myocardial Segmentation. <i>American Journal of Cardiology</i> , 2019, 123, 757-763.	0.7	12
74	3D-Printing-Based Open Repair of Extensive Thoracoabdominal Aorta in Severe Scoliosis. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 61-63.	0.4	12
75	Impact of coronary calcium score and lesion characteristics on the diagnostic performance of machine-learning-based computed tomography-derived fractional flow reserve. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 998-1006.	0.5	12
76	Stent fracture and longitudinal compression detected on coronary CT angiography in the first- and new-generation drug-eluting stents. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 637-646.	0.7	11
77	In vivo assessment of aortic root geometry in normal controls using 3D analysis of computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 780-786.	0.5	11
78	Impact of pannus formation on hemodynamic dysfunction of prosthetic aortic valve: pannus extent and its relationship to prosthetic valve motion and degree of stenosis. <i>Clinical Research in Cardiology</i> , 2018, 107, 554-564.	1.5	11
79	Incremental Value of 3D Printing in the Preoperative Planning of Complex Congenital Heart Disease Surgery. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1265-1270.	2.3	11
80	Myocardial segmentation based on coronary anatomy using coronary computed tomography angiography: Development and validation in a pig model. <i>European Radiology</i> , 2017, 27, 4044-4053.	2.3	10
81	Impact of Metabolic Syndrome on Subclinical Atherosclerosis in Asymptomatic Individuals. <i>Circulation Journal</i> , 2015, 79, 1799-1806.	0.7	9
82	Impact of coronary lumen reconstruction on the estimation of endothelial shear stress: in vivo comparison of three-dimensional quantitative coronary angiography and three-dimensional fusion combining optical coherent tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1134-1141.	0.5	9
83	Cardiac computed tomography for the localization of mitral valve prolapse: scallop-by-scallop comparisons with echocardiography and intraoperative findings. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 550-557.	0.5	9
84	Determinants of effective orifice area in aortic valve replacement: anatomic and clinical factors. <i>Journal of Thoracic Disease</i> , 2020, 12, 1942-1951.	0.6	9
85	Association between serum phosphorus and subclinical coronary atherosclerosis in asymptomatic Korean individuals without kidney dysfunction. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 66-73.	2.2	9
86	Rationale and design of the ADAPT-TAVR trial: a randomised comparison of edoxaban and dual antiplatelet therapy for prevention of leaflet thrombosis and cerebral embolisation after transcatheter aortic valve replacement. <i>BMJ Open</i> , 2021, 11, e042587.	0.8	9
87	Effect of Tube Voltage on Diagnostic Performance of Fractional Flow Reserve Derived From Coronary CT Angiography With Machine Learning: Results From the MACHINE Registry. <i>American Journal of Roentgenology</i> , 2019, 213, 325-331.	1.0	8
88	Reference parameters for left ventricular wall thickness, thickening, and motion in stress myocardial perfusion CT: Global and regional assessment. <i>Clinical Imaging</i> , 2019, 56, 81-87.	0.8	8
89	In vitro experiments on ICOSA6 4D flow MRI measurement for the quantification of velocity and turbulence parameters. <i>Magnetic Resonance Imaging</i> , 2020, 72, 49-60.	1.0	8
90	Applications of Three-Dimensional Printing in Cardiovascular Surgery: A Case-Based Review. <i>Cardiovascular Imaging Asia</i> , 2018, 2, 166.	0.1	8

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91	Impact of Diabetes Control on Subclinical Atherosclerosis: Analysis from Coronary Computed Tomographic Angiography Registry. <i>Diabetes and Metabolism Journal</i> , 2020, 44, 470.	1.8	8
92	A deep learning-based automatic analysis of cardiovascular borders on chest radiographs of valvular heart disease: development/external validation. <i>European Radiology</i> , 2022, 32, 1558-1569.	2.3	8
93	Recanalization of Organized Thrombi Demonstrated by Coronary CT Angiography Compared With OCT. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 887-890.	2.3	7
94	A zero-dimensional predictive model for the pressure drop in the stenotic coronary artery based on its geometric characteristics. <i>Journal of Biomechanics</i> , 2020, 113, 110076.	0.9	7
95	Application of Artificial Intelligence to Cardiovascular Computed Tomography. <i>Korean Journal of Radiology</i> , 2021, 22, 1597.	1.5	7
96	Pre-sewn Multi-branched Aortic Graft and 3D-Printing Guidance for Crawford Extent II or III Thoracoabdominal Aortic Aneurysm Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.4	7
97	Sinus of Valsalva Thrombosis Detected on Computed Tomography after Transcatheter Aortic Valve Replacement. <i>Korean Circulation Journal</i> , 2020, 50, 572.	0.7	7
98	Subvalvular pannus and thrombosis in a mitral valve prosthesis. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 191-192.	0.7	6
99	Association between flow skewness and aortic dilatation in patients with aortic stenosis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1969-1978.	0.7	6
100	2013 ACC/AHA versus 2004 NECP ATP III Guidelines in the Assignment of Statin Treatment in a Korean Population with Subclinical Coronary Atherosclerosis. <i>PLoS ONE</i> , 2015, 10, e0137478.	1.1	6
101	Left Atrial Function Following Surgical Ablation of Atrial Fibrillation: Prospective Evaluation Using Dual-Source Cardiac Computed Tomography. <i>Yonsei Medical Journal</i> , 2015, 56, 608.	0.9	5
102	Preoperative cardiac computed tomography for demonstration of congenital cardiac septal defect in adults. <i>European Radiology</i> , 2015, 25, 1614-1622.	2.3	5
103	Comparative effectiveness of coronary screening in heart valve surgery: Computed tomography versus conventional coronary angiography. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1423-1431.e3.	0.4	5
104	Modified Bicaval Technique in Orthotopic Heart Transplantation—Comparison With Conventional Bicaval Technique. <i>Circulation Journal</i> , 2018, 83, 117-121.	0.7	5
105	Impact of a Geometric Correction for Proximal Flow Constraint on the Assessment of Mitral Regurgitation Severity Using the Proximal Flow Convergence Method. <i>Journal of Cardiovascular Imaging</i> , 2018, 26, 33.	0.8	5
106	Association of gamma-glutamyl transferase with subclinical coronary atherosclerosis and cardiac outcomes in non-alcoholics. <i>Scientific Reports</i> , 2020, 10, 17994.	1.6	5
107	Prognostic Implication of Right Ventricle Parameters Measured on Preoperative Cardiac MRI in Patients with Functional Tricuspid Regurgitation. <i>Korean Journal of Radiology</i> , 2021, 22, 1253.	1.5	5
108	Influence of coronary stenosis location on diagnostic performance of machine learning-based fractional flow reserve from CT angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 492-498.	0.7	5

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109	Late Gadolinium Enhancement of Left Ventricular Papillary Muscles in Patients with Mitral Regurgitation. Korean Journal of Radiology, 2021, 22, 1609.	1.5	5
110	Novel Resectable Myocardial Model Using Hybrid Three-Dimensional Printing and Silicone Molding for Mock Myectomy for Apical Hypertrophic Cardiomyopathy. Korean Journal of Radiology, 2021, 22, 1054.	1.5	5
111	Subvalvular pannus formation causing aortic stenosis in patient with a normal prosthetic aortic valve: computed tomography finding. European Heart Journal Cardiovascular Imaging, 2015, 16, 458-458.	0.5	4
112	Coronary bifurcation stent morphology in dual-source CT: validation with micro-CT. International Journal of Cardiovascular Imaging, 2016, 32, 1659-1665.	0.7	4
113	High HDL-C levels reduce the risk of obstructive coronary artery disease in asymptomatic diabetics who achieved optimal glycemic control. Scientific Reports, 2019, 9, 15306.	1.6	4
114	Ischemic burden assessment of myocardial perfusion CT, compared with SPECT using semi-quantitative and quantitative approaches. International Journal of Cardiology, 2019, 278, 287-294.	0.8	4
115	Three-dimensional Computed Tomographic Analysis of Normal and Aneurysmal Aortic Roots: Is There a Specific Geometric Pattern in the Aortic Root?. Clinical Anatomy, 2020, 33, 117-123.	1.5	4
116	Effects of pannus formation on the flow around a bileaflet mechanical heart valve. PLoS ONE, 2020, 15, e0234341.	1.1	4
117	Homocysteine is not a risk factor for subclinical coronary atherosclerosis in asymptomatic individuals. PLoS ONE, 2020, 15, e0231428.	1.1	4
118	Comparison of Four-Dimensional Flow Magnetic Resonance Imaging and Particle Image Velocimetry to Quantify Velocity and Turbulence Parameters. Fluids, 2021, 6, 277.	0.8	4
119	Comparison of Clinical, Angiographic Features and Outcome in Takayasu's Arteritis and Behçet's Disease With Arterial Involvement. Journal of Rheumatic Diseases, 2020, 27, 100.	0.4	4
120	Tricuspid Valve Imaging and Right Ventricular Function Analysis Using Cardiac CT and MRI. Korean Journal of Radiology, 2021, 22, 1946.	1.5	4
121	Challenge for Diagnostic Assessment of Deep Learning Algorithm for Metastases Classification in Sentinel Lymph Nodes on Frozen Tissue Section Digital Slides in Women with Breast Cancer. Cancer Research and Treatment, 2020, 52, 1103-1111.	1.3	4
122	In-vitro and In-Vivo Assessment of 4D Flow MRI Reynolds Stress Mapping for Pulsatile Blood Flow. Frontiers in Bioengineering and Biotechnology, 2021, 9, 774954.	2.0	4
123	Horseshoe adrenal gland in right atrial isomerism and asplenia. Pediatric Radiology, 2008, 38, 815-815.	1.1	3
124	Demonstration of Inverted Left Atrial Appendage Using Cardiac Computed Tomography. Circulation, 2014, 130, e66-7.	1.6	3
125	Demonstration of doubly committed juxta-arterial ventricular septal defect with aortic valve prolapse by cardiac computed tomography. Journal of Cardiovascular Computed Tomography, 2014, 8, 83-84.	0.7	3
126	Intravascular ultrasound-derived morphological predictors of myocardial ischemia assessed by stress myocardial perfusion computed tomography. Catheterization and Cardiovascular Interventions, 2017, 89, E207-E216.	0.7	3



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127	Postoperative Chylothorax: the Use of Dynamic Magnetic Resonance Lymphangiography and Thoracic Duct Embolization. <i>Investigative Magnetic Resonance Imaging</i> , 2018, 22, 182.	0.2	3
128	A Review of Three-Dimensional Printing Technology for Medical Applications. <i>Journal of the Korean Society of Radiology</i> , 2019, 80, 213.	0.1	3
129	Accuracy evaluation of blood flow distribution in the Fontan circulation: effects of resolution and velocity noise. <i>Journal of Visualization</i> , 2019, 22, 245-257.	1.1	3
130	Cholesterol Control for Subclinical Coronary Atherosclerosis in Subjects Without Indication for Statin Therapy. <i>American Journal of Cardiology</i> , 2021, 153, 51-57.	0.7	3
131	Utilizing patient-specific 3D printed guides for graft reconstruction in thoracoabdominal aortic repair. <i>Scientific Reports</i> , 2021, 11, 18027.	1.6	3
132	Influence of Radiologically Evident Residual Intimal Tear on Expansion of Descending Aorta Following Surgery for Acute Type I Aortic Dissection. <i>Korean Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 47, 6-12.	0.6	3
133	Aortic annulus sizing in bicuspid and tricuspid aortic valves using CT in patients with surgical aortic valve replacement. <i>Scientific Reports</i> , 2021, 11, 21005.	1.6	3
134	Classification of severe aortic stenosis and outcomes after aortic valve replacement. <i>Scientific Reports</i> , 2022, 12, 7506.	1.6	3
135	Displaced aortic arch sign on chest radiographs: a new sign for the detection of a left paratracheal esophageal mass. <i>European Radiology</i> , 2005, 15, 936-940.	2.3	2
136	Fate of Grafts Bypassing Nonischemic Versus Ischemic Inducing Coronary Stenosis. <i>American Journal of Cardiology</i> , 2018, 122, 1148-1154.	0.7	2
137	Electronic Medical Record-Based Machine Learning Approach to Predict the Risk of 30-Day Adverse Cardiac Events After Invasive Coronary Treatment: Machine Learning Model Development and Validation. <i>JMIR Medical Informatics</i> , 2022, 10, e26801.	1.3	2
138	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.	1.5	2
139	Survey of Thoracic CT Protocols and Technical Parameters in Korean Hospitals: Changes before and after Establishment of Thoracic CT Guideline by Korean Society of Thoracic Radiology in 2008. <i>Journal of Korean Medical Science</i> , 2016, 31, S32.	1.1	1
140	Reply to letter by Dyverfeldt and Ebbers regarding the article "Estimation of turbulent kinetic energy using 4D phase-contrast MRI: Effect of scan parameters and target vessel size". <i>Magnetic Resonance Imaging</i> , 2016, 34, 1338-1340.	1.0	1
141	Myocardial territory segmentation on coronary computed tomography angiography images: Comparison between projection and non-projection methods in a pig model. <i>Informatics in Medicine Unlocked</i> , 2020, 19, 100320.	1.9	1
142	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
143	Horseshoe Adrenal Gland in a Newborn with Right Isomerism. <i>Journal of the Korean Radiological Society</i> , 2003, 49, 63.	0.0	1
144	Imaging of Coronary Revascularization: Stent and CABG. , 2015, , 103-115.		1

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