Marc Dewey

List of Publications by Year
in descending order

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216 papers	9,940 citations	41344 49 h-index	39675 94 g-index
240 all docs	240 docs citations	240 times ranked	7875 citing authors

#	Article	IF	Citations
1	Diagnostic Performance of Coronary Angiography by 64-Row CT. New England Journal of Medicine, 2008, 359, 2324-2336.	27.0	1,637
2	A clinical prediction rule for the diagnosis of coronary artery disease: validation, updating, and extension. European Heart Journal, 2011, 32, 1316-1330.	2.2	427
3	Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. European Heart Journal, 2014, 35, 1120-1130.	2.2	385
4	Noninvasive Coronary Angiography by 320-Row Computed Tomography With Lower Radiation Exposure and Maintained Diagnostic Accuracy. Circulation, 2009, 120, 867-875.	1.6	306
5	The Absence of Coronary Calcification Does Not Exclude Obstructive Coronary Artery Disease or the Need for Revascularization in Patients Referred for Conventional Coronary Angiography. Journal of the American College of Cardiology, 2010, 55, 627-634.	2.8	268
6	Meta-analysis: Noninvasive Coronary Angiography Using Computed Tomography Versus Magnetic Resonance Imaging. Annals of Internal Medicine, 2010, 152, 167.	3.9	234
7	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. BMJ, The, 2012, 344, e3485-e3485.	6.0	225
8	Diagnostic Accuracy of Computed Tomography Coronary Angiography According to Pre-Test Probability of Coronary Artery Disease and Severity of Coronary Arterial Calcification. Journal of the American College of Cardiology, 2012, 59, 379-387.	2.8	222
9	Claustrophobia during magnetic resonance imaging: Cohort study in over 55,000 patients. Journal of Magnetic Resonance Imaging, 2007, 26, 1322-1327.	3.4	188
10	Head-to-Head Comparison of Left Ventricular Function Assessment with 64-Row Computed Tomography, Biplane Left Cineventriculography, and Both 2- and 3-Dimensional Transthoracic Echocardiography. Journal of the American College of Cardiology, 2012, 59, 1897-1907.	2.8	169
11	CT or Invasive Coronary Angiography in Stable Chest Pain. New England Journal of Medicine, 2022, 386, 1591-1602.	27.0	144
12	Evaluation of Global and Regional Left Ventricular Function With 16-Slice Computed Tomography, Biplane Cineventriculography, and Two-Dimensional Transthoracic Echocardiography. Journal of the American College of Cardiology, 2006, 48, 2034-2044.	2.8	136
13	Coronary Artery Stenoses: Accuracy of 64â€“Detector Row CT Angiography in Segments with Mild, Moderate, or Severe Calcificationâ€”A Subanalysis of the CORE-64 Trial. Radiology, 2011, 261, 100-108.	7.3	136
14	Noninvasive Detection of Coronary Artery Stenoses with Multislice Computed Tomography or Magnetic Resonance Imaging. Annals of Internal Medicine, 2006, 145, 407.	3.9	133
15	Use of 3x2 tables with an intention to diagnose approach to assess clinical performance of diagnostic tests: meta-analytical evaluation of coronary CT angiography studies. BMJ, The, 2012, 345, e6717-e6717.	6.0	131
16	Multisegment and Halfscan Reconstruction of 16-Slice Computed Tomography for Detection of Coronary Artery Stenoses. Investigative Radiology, 2004, 39, 223-229.	6.2	127
17	320-slice CT neuroimaging: initial clinical experience and image quality evaluation. British Journal of Radiology, 2009, 82, 561-570.	2.2	115
18	Diagnostic Performance of Combined Noninvasive Coronary Angiography and Myocardial Perfusion Imaging Using 320-MDCT: The CT Angiography and Perfusion Methods of the CORE320 Multicenter Multinational Diagnostic Study. American Journal of Roentgenology, 2011, 197, 829-837.	2.2	113

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19	Integrating artificial intelligence into the clinical practice of radiology: challenges and recommendations. European Radiology, 2020, 30, 3576-3584.	4.5	113
20	Myocardial CT Perfusion Imaging and SPECT for the Diagnosis of Coronary Artery Disease: A Head-to-Head Comparison from the CORE320 Multicenter Diagnostic Performance Study. Radiology, 2014, 272, 407-416.	7.3	112
21	Coronary CT angiography using 64 detector rows: methods and design of the multi-centre trial CORE-64. European Radiology, 2009, 19, 816-828.	4.5	110
22	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. BMJ: British Medical Journal, 2019, 365, l1945.	2.3	99
23	Cost effectiveness of coronary angiography and calcium scoring using CT and stress MRI for diagnosis of coronary artery disease. European Radiology, 2007, 17, 1301-1309.	4.5	96
24	Patient Characteristics as Predictors of Image Quality and Diagnostic Accuracy of MDCT Compared With Conventional Coronary Angiography for Detecting Coronary Artery Stenoses: CORE-64 Multicenter International Trial. American Journal of Roentgenology, 2010, 194, 93-102.	2.2	94
25	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. Nature Reviews Cardiology, 2020, 17, 427-450.	13.7	94
26	Randomized controlled trial of abductor muscle damage in relation to the surgical approach for primary total hip replacement: minimally invasive anterolateral versus modified direct lateral approach. Archives of Orthopaedic and Trauma Surgery, 2011, 131, 179-189.	2.4	93
27	Continuous Learning AI in Radiology: Implementation Principles and Early Applications. Radiology, 2020, 297, 6-14.	7.3	92
28	Multislice CT Coronary Angiography: EffectÂofÂSublingual Nitroglycerine on theÂDiameterÂofÂCoronaryÂArteries. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2006, 178, 600-604.	1.3	90
29	Computed Tomography Angiography and Myocardial Computed Tomography Perfusion inÂPatients With Coronary Stents. Journal of the American College of Cardiology, 2013, 62, 1476-1485.	2.8	90
30	Evaluation of computed tomography in patients with atypical angina or chest pain clinically referred for invasive coronary angiography: randomised controlled trial. BMJ, The, 2016, 355, i5441.	6.0	86
31	Non-cardiac findings on coronary computed tomography and magnetic resonance imaging. European Radiology, 2007, 17, 2038-2043.	4.5	85
32	Semi-automatic classification of prostate cancer on multi-parametric MR imaging using a multi-channel 3D convolutional neural network. European Radiology, 2020, 30, 1243-1253.	4.5	85
33	Automatic prostate and prostate zones segmentation of magnetic resonance images using DenseNet-like U-net. Scientific Reports, 2020, 10, 14315.	3.3	78
34	Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320 row detector computed tomography: design and implementation of the CORE320 multicenter, multinational diagnostic study. Journal of Cardiovascular Computed Tomography, 2011, 5, 370-381.	1.3	77
35	4-D Imaging in Cerebrovascular Disorders by Using 320-Slice CT. Academic Radiology, 2009, 16, 123-129.	2.5	74
36	Evidence of Reduced Muscle Trauma Through a Minimally Invasive Anterolateral Approach by Means of MRI. Clinical Orthopaedics and Related Research, 2010, 468, 3192-3200.	1.5	74

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37	Prognostic Value of Combined CT Angiography and Myocardial Perfusion Imaging versus Invasive Coronary Angiography and Nuclear Stress Perfusion Imaging in the Prediction of Major Adverse Cardiovascular Events: The CORE320 Multicenter Study. Radiology, 2017, 284, 55-65.	7.3	74
38	Lack of Association Between Epicardial Fat Volume and Extent of Coronary Artery Calcification, Severity of Coronary Artery Disease, or Presence of Myocardial Perfusion Abnormalities in a Diverse, Symptomatic Patient Population. Circulation: Cardiovascular Imaging, 2015, 8, e002676.	2.6	73
39	Multislice Computed Tomography for Preoperative Evaluation of Right Ventricular Volumes and Function: Comparison With Magnetic Resonance Imaging. Annals of Thoracic Surgery, 2005, 79, 1344-1351.	1.3	63
40	The Revised QUADAS-2 Tool. Annals of Internal Medicine, 2012, 156, 323.	3.9	62
41	Reduction of claustrophobia during magnetic resonance imaging: methods and design of the "CLAUSTRO" randomized controlled trial. BMC Medical Imaging, 2011, 11, 4.	2.7	61
42	Spatio-Temporal Deep Learning-Based Undersampling Artefact Reduction for 2D Radial Cine MRI With Limited Training Data. IEEE Transactions on Medical Imaging, 2020, 39, 703-717.	8.9	61
43	Coronary MR angiography using citrateâ€coated very small superparamagnetic iron oxide particles as bloodâ€pool contrast agent: Initial experience in humans. Journal of Magnetic Resonance Imaging, 2011, 34, 816-823.	3.4	57
44	Multislice CT Coronary Angiography: Evaluation of anÂAutomatic Vessel Detection Tool. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2004, 176, 478-483.	1.3	56
45	MRI findings of gluteus minimus muscle damage in primary total hip arthroplasty and the influence on clinical outcome. Archives of Orthopaedic and Trauma Surgery, 2010, 130, 927-935.	2.4	56
46	Predictors of Inaccurate Coronary Arterial Stenosis Assessment by CT Angiography. JACC: Cardiovascular Imaging, 2013, 6, 963-972.	5.3	56
47	Isotropic half-millimeter angiography of coronary artery bypass grafts with 16-slice computed tomography. Annals of Thoracic Surgery, 2004, 77, 800-804.	1.3	55
48	Incorporating radiomics into clinical trials: expert consensus endorsed by the European Society of Radiology on considerations for data-driven compared to biologically driven quantitative biomarkers. European Radiology, 2021, 31, 6001-6012.	4.5	53
49	Age-related appearance of muscle trauma in primary total hip arthroplasty and the benefit of a minimally invasive approach for patients older than 70Âyears. International Orthopaedics, 2011, 35, 165-171.	1.9	52
50	CT Coronary Angiography Using 16 and 64 Simultaneous Detector Rows: Intraindividual Comparison. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2007, 179, 581-586.	1.3	51
51	Comparison of multislice computed tomography with intravascular ultrasound for detection and characterization of coronary artery plaques: A systematic review. European Journal of Radiology, 2009, 71, 275-282.	2.6	51
52	Kidney Injury after Intravenous versus Intra-arterial Contrast Agent in Patients Suspected of Having Coronary Artery Disease: A Randomized Trial. Radiology, 2019, 292, 664-672.	7.3	51
53	Influence of statin treatment on coronary atherosclerosis visualised using multidetector computed tomography. European Radiology, 2010, 20, 2824-2833.	4.5	49
54	Accuracy of Computed Tomographic Angiography and Single-Photon Emission Computed Tomographyâ€“Acquired Myocardial Perfusion Imaging for the Diagnosis of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2015, 8, e003533.	2.6	49

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55	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. EClinicalMedicine, 2020, 28, 100579.	7.1	49
56	Coronary Artery Stenosis Quantification Using Multislice Computed Tomography. Investigative Radiology, 2007, 42, 78-84.	6.2	44
57	Head-to-head comparison of multislice computed tomography and exercise electrocardiography for diagnosis of coronary artery disease. European Heart Journal, 2007, 28, 2485-2490.	2.2	43
58	Coronary magnetic resonance angiography: Experimental evaluation of the new rapid clearance blood pool contrast medium P792. Magnetic Resonance in Medicine, 2001, 46, 932-938.	3.0	41
59	Patient Acceptance of Noninvasive and Invasive Coronary Angiography. PLoS ONE, 2007, 2, e246.	2.5	41
60	Analysis and Prediction of Claustrophobia during MR Imaging with the Claustrophobia Questionnaire: An Observational Prospective 18-month Single-Center Study of 6500 Patients. Radiology, 2017, 283, 148-157.	7.3	40
61	Three-vessel coronary artery disease examined with 320-slice computed tomography coronary angiography. European Heart Journal, 2008, 29, 1669-1669.	2.2	39
62	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. Radiology, 2020, 294, 61-73.	7.3	39
63	Evaluation of a semiautomatic software tool for left ventricular function analysis with 16-slice computed tomography. European Radiology, 2006, 16, 25-31.	4.5	38
64	Myocardial Viability: Assessment with Three-dimensional MR Imaging in Pigs and Patients. Radiology, 2006, 239, 703-709.	7.3	38
65	Reduction of Claustrophobia with Short-Bore versus Open Magnetic Resonance Imaging: A Randomized Controlled Trial. PLoS ONE, 2011, 6, e23494.	2.5	38
66	Multisegment and Halfscan Reconstruction of 16-Slice Computed Tomography for Assessment of Regional and Global Left Ventricular Myocardial Function. Investigative Radiology, 2006, 41, 400-409.	6.2	37
67	Influence of heart rate on diagnostic accuracy and image quality of 16-slice CT coronary angiography: comparison of multisegment and halfscan reconstruction approaches. European Radiology, 2007, 17, 2829-2837.	4.5	37
68	Influence of coronary artery disease prevalence on predictive values of coronary CT angiography: a meta-regression analysis. European Radiology, 2011, 21, 1904-1913.	4.5	37
69	Combination of free-breathing and breathhold steady-state free precession magnetic resonance angiography for detection of coronary artery stenoses. Journal of Magnetic Resonance Imaging, 2006, 23, 674-681.	3.4	36
70	Fractal analysis in radiological and nuclear medicine perfusion imaging: a systematic review. European Radiology, 2014, 24, 60-69.	4.5	36
71	Respiratory-triggered MRCP applying parallel acquisition techniques. Journal of Magnetic Resonance Imaging, 2006, 24, 1095-1100.	3.4	34
72	3D and 2D Delayed-Enhancement Magnetic Resonance Imaging for Detection of Myocardial Infarction: Preclinical and Clinical Results. Academic Radiology, 2007, 14, 788-794.	2.5	34

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73	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. European Radiology, 2017, 27, 2957-2968.	4.5	33
74	Frequency of referral of patients with safety-related contraindications to magnetic resonance imaging. European Journal of Radiology, 2007, 63, 124-127.	2.6	32
75	Intra- and interobserver variability in detection and assessment of calcified and noncalcified coronary artery plaques using 64-slice computed tomography. International Journal of Cardiovascular Imaging, 2008, 24, 735-742.	1.5	32
76	DNA double-strand breaks as potential indicators for the biological effects of ionising radiation exposure from cardiac CT and conventional coronary angiography: a randomised, controlled study. European Radiology, 2012, 22, 1641-1650.	4.5	32
77	Incremental diagnostic accuracy of computed tomography myocardial perfusion imaging over coronary angiography stratified by pre-test probability of coronary artery disease and severity of coronary artery calcification: The CORE320 study. International Journal of Cardiology, 2015, 201, 570-577.	1.7	31
78	The Evaluation of Bivariate Mixed Models in Meta-analyses of Diagnostic Accuracy Studies with SAS, Stata and R. Methods of Information in Medicine, 2018, 57, 111-119.	1.2	31
79	Radiation Exposure to Patients in a Multicenter Coronary Angiography Trial (CORE 64). American Journal of Roentgenology, 2011, 196, 1126-1132.	2.2	30
80	Coronary CT versus MR Angiography: Pro CTâ€"The Role of CT Angiography. Radiology, 2011, 258, 329-339.	7.3	28
81	Extracardiac findings on coronary CT angiography: A systematic review. Journal of Cardiovascular Computed Tomography, 2014, 8, 174-182.e6.	1.3	28
82	Patient satisfaction with coronary CT angiography, myocardial CT perfusion, myocardial perfusion MRI, SPECT myocardial perfusion imaging and conventional coronary angiography. European Radiology, 2015, 25, 2115-2124.	4.5	28
83	Contemporary Discrepancies of Stenosis Assessment by Computed Tomography and Invasive Coronary Angiography. Circulation: Cardiovascular Imaging, 2019, 12, e007720.	2.6	28
84	Impact of Article Language in Multi-Language Medical Journals - a Bibliometric Analysis of Self-Citations and Impact Factor. PLoS ONE, 2013, 8, e76816.	2.5	27
85	Intra- and interobserver variability of magnetic resonance imaging for quantitative assessment of abductor and external rotator muscle changes after total hip arthroplasty. European Journal of Radiology, 2012, 81, 928-933.	2.6	26
86	Neural networks-based regularization for large-scale medical image reconstruction. Physics in Medicine and Biology, 2020, 65, 135003.	3.0	26
87	Magnetic Resonance Imaging of Myocardial Perfusion and Viability Using a Blood Pool Contrast Agent. Investigative Radiology, 2004, 39, 498-505.	6.2	23
88	Evaluation of right ventricular function with multidetector computed tomography: comparison with magnetic resonance imaging and analysis of inter- and intraobserver variability. European Radiology, 2009, 19, 278-289.	4.5	22
89	Indications, imaging technique, and reading of cardiac computed tomography: survey of clinical practice. European Radiology, 2012, 22, 59-72.	4.5	22
90	Endocardialâ€"epicardial distribution of myocardial perfusion reserve assessed by multidetector computed tomography in symptomatic patients without significant coronary artery disease: insights from the CORE320 multicentre study. European Heart Journal Cardiovascular Imaging, 2016, 17, 779-787.	1.2	21

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91	Computed Tomographic Perfusion Improves Diagnostic Power of Coronary Computed Tomographic Angiography in Women. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	18
92	Noninvasive evaluation of global and regional left ventricular function using computed tomography and magnetic resonance imaging: a meta-analysis. European Radiology, 2017, 27, 1640-1659.	4.5	18
93	Coronary Artery Disease: Analysis of Diagnostic Performance of CT Perfusion and MR Perfusion Imaging in Comparison with Quantitative Coronary Angiography and SPECTâ€"Multicenter Prospective Trial. Radiology, 2018, 286, 461-470.	7.3	18
94	Individual patient data meta-analysis for the clinical assessment of coronary computed tomography angiography: protocol of the Collaborative Meta-Analysis of Cardiac CT (CoMe-CCT). Systematic Reviews, 2013, 2, 13.	5.3	17
95	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. International Journal of Cardiovascular Imaging, 2013, 29, 1619-1627.	1.5	17
96	Impact and perceived value of journal reporting guidelines among Radiology authors and reviewers. European Radiology, 2019, 29, 3986-3995.	4.5	17
97	How to Measure the Aorta Using MRI: A Practical Guide. Journal of Magnetic Resonance Imaging, 2020, 52, 971-977.	3.4	17
98	Whole-Heart Coronary Magnetic Resonance Angiography at 1.5 Tesla. Investigative Radiology, 2011, 46, 152-159.	6.2	16
99	Reference ranges of left ventricular structure and function assessed by contrast-enhanced cardiac MR and changes related to ageing and hypertension in a population-based study. European Radiology, 2018, 28, 3996-4005.	4.5	16
100	Deep learning and medical diagnosis. Lancet, The, 2019, 394, 1710-1711.	13.7	16
101	Patient preferences for development in MRI scanner design: a survey of claustrophobic patients in a randomized study. European Radiology, 2021, 31, 1325-1335.	4.5	16
102	Coronary artery disease: new insights and their implications for radiology. European Radiology, 2004, 14, 1048-1054.	4.5	15
103	Assessment of myocardial infarction in pigs using a rapid clearance blood pool contrast medium. Magnetic Resonance in Medicine, 2004, 51, 703-709.	3.0	15
104	Contrast agent bolus tracking with a fixed threshold or a manual fast start for coronary CT angiography. European Radiology, 2014, 24, 1229-1238.	4.5	15
105	The Impact of Different Levels of Adaptive Iterative Dose Reduction 3D on Image Quality of 320-Row Coronary CT Angiography: A Clinical Trial. PLoS ONE, 2015, 10, e0125943.	2.5	15
106	Mixture models in diagnostic meta-analysesâ€"Clustering summary receiver operating characteristic curves accounted for heterogeneity and correlation. Journal of Clinical Epidemiology, 2015, 68, 61-72.	5.0	15
107	Clinical Imaging Research: Higher Evidence, Global Collaboration, Improved Reporting, and Data Sharing Are the Grand Challenges. Radiology, 2019, 291, 547-552.	7.3	15
108	Audio-guided self-hypnosis for reduction of claustrophobia during MR imaging: results of an observational 2-group study. European Radiology, 2021, 31, 4483-4491.	4.5	15

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109	Improved Evaluation of Myocardial Perfusion and Viability With the Magnetic Resonance Blood Pool Contrast Agent P792 in a Nonreperfused Porcine Infarction Model. Investigative Radiology, 2007, 42, 248-255.	6.2	14
110	Accuracy of multidetector computed tomography for detection of coronary artery stenosis in acute coronary syndrome compared with stable coronary disease: A CORE64 multicenter trial substudy. International Journal of Cardiology, 2014, 177, 385-391.	1.7	14
111	Relationship of left ventricular mass to coronary atherosclerosis and myocardial ischaemia: the CORE320 multicenter study. European Heart Journal Cardiovascular Imaging, 2015, 16, 166-176.	1.2	14
112	The future of radiology: adding value to clinical care. Lancet, The, 2018, 392, 472-473.	13.7	14
113	Extracardiac findings on coronary computed tomography angiography in patients without significant coronary artery disease. European Radiology, 2019, 29, 1714-1723.	4.5	14
114	Health-related qualify of life, angina type and coronary artery disease in patients with stable chest pain. Health and Quality of Life Outcomes, 2020, 18, 140.	2.4	14
115	Comprehensive Assessment of Radiation Dose Estimates for the CORE320 Study. American Journal of Roentgenology, 2015, 204, W27-W36.	2.2	13
116	Fractal analysis of the ischemic transition region in chronic ischemic heart disease using magnetic resonance imaging. European Radiology, 2017, 27, 1537-1546.	4.5	13
117	Is there a gender difference in noninvasive coronary imaging? Multislice computed tomography for noninvasive detection of coronary stenoses. BMC Cardiovascular Disorders, 2008, 8, 2.	1.7	12
118	Cardiac and Coronary Anatomy in Computed Tomography. Seminars in Ultrasound, CT and MRI, 2008, 29, 176-181.	1.5	12
119	Determining Optimal Acquisition Parameters for Computed Tomography Coronary Angiography. Academic Radiology, 2009, 16, 239-243.	2.5	12
120	Computer-Aided CT coronary artery stenosis detection: comparison with human reading and quantitative coronary angiography. International Journal of Cardiovascular Imaging, 2014, 30, 1621-1627.	1.5	12
121	High-Field Open versus Short-Bore Magnetic Resonance Imaging of the Spine: A Randomized Controlled Comparison of Image Quality. PLoS ONE, 2013, 8, e83427.	2.5	12
122	Relationship between cup position and obturator externus muscle in total hip arthroplasty. Journal of Orthopaedic Surgery and Research, 2010, 5, 44.	2.3	11
123	The Present and Future of Cardiac CT in Research and Clinical Practice: Moderated Discussion and Scientific Debate with Representatives from the Four Main Vendors. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2010, 182, 313-321.	1.3	11
124	Compliance with STARD Checklist among Studies of Coronary CT Angiography: Systematic Review. Radiology, 2014, 271, 74-86.	7.3	11
125	Supervisors' perspective on medical thesis projects and dropout rates: survey among thesis supervisors at a large German university hospital. BMJ Open, 2016, 6, e012726.	1.9	11
126	Prognostic value of the myocardial salvage index measured by T2-weighted and T1-weighted late gadolinium enhancement magnetic resonance imaging after ST-segment elevation myocardial infarction: A systematic review and meta-regression analysis. PLoS ONE, 2020, 15, e0228736.	2.5	11

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127	Prediction of prostate cancer grade using fractal analysis of perfusion MRI: retrospective proof-of-principle study. European Radiology, 2021, , 1.	4.5	11
128	Triage of Patients with Suspected Coronary Artery Disease using Multislice Computed Tomography. Academic Radiology, 2007, 14, 901-909.	2.5	10
129	CT coronary angiography: Influence of different cardiac reconstruction intervals on image quality and diagnostic accuracy. European Journal of Radiology, 2008, 67, 92-99.	2.6	10
130	The Bionic Radiologist: avoiding blurry pictures and providing greater insights. Npj Digital Medicine, 2019, 2, 65.	10.9	10
131	Patient Preferences for Coronary CT Angiography with Stress Perfusion, SPECT, or Invasive Coronary Angiography. Radiology, 2019, 291, 340-348.	7.3	10
132	Noise reduction and motion elimination in low-dose 4D myocardial computed tomography perfusion (CTP): preliminary clinical evaluation of the ASTRA4D algorithm. European Radiology, 2019, 29, 4572-4582.	4.5	10
133	Clinical pre-test probability for obstructive coronary artery disease: insights from the European DISCHARGE pilot study. European Radiology, 2021, 31, 1471-1481.	4.5	10
134	A minimally invasive method for induction of myocardial infarction in an animal model using tungsten spirals. International Journal of Cardiovascular Imaging, 2009, 25, 529-535.	1.5	9
135	Prognostic value of noninvasive combined anatomic/functional assessment by cardiac CT in patients with suspected coronary artery disease â€" Comparison with invasive coronary angiography and nuclear myocardial perfusion imaging for the five-year-follow up of the CORE320 multicenter study. Journal of Cardiovascular Computed Tomography, 2021, 15, 485-491.	1.3	9
136	Ernst Ferdinand Sauerbruch and His Ambiguous Role in the Period of National Socialism. Annals of Surgery, 2006, 244, 315-321.	4.2	8
137	Multislice computed tomography: angiographic emulation versus standard assessment for detection of coronary stenoses. European Radiology, 2007, 17, 1858-1864.	4.5	8
138	Technical and Clinical Aspects of Coronary Computed Tomography Angiography. Seminars in Ultrasound, CT and MRI, 2008, 29, 167-175.	1.5	8
139	Fractional Flow Reserve Estimation by Coronary Computed Tomography Angiography. Journal of the American College of Cardiology, 2012, 59, 1410-1411.	2.8	8
140	Time Efficiency and Diagnostic Accuracy of New Automated Myocardial Perfusion Analysis Software in 320-Row CT Cardiac Imaging. Korean Journal of Radiology, 2013, 14, 21.	3.4	8
141	Clinical trials in radiology and data sharing: results from a survey of the European Society of Radiology (ESR) research committee. European Radiology, 2019, 29, 4794-4802.	4.5	8
142	Fractal analysis of 4D dynamic myocardial stress-CT perfusion imaging differentiates micro- and macrovascular ischemia in a multi-center proof-of-concept study. Scientific Reports, 2022, 12, 5085.	3.3	8
143	How Multidetector CT Can Help Open Bike Locks. Radiology, 2007, 245, 921-921.	7.3	7
144	Methodological quality of diagnostic accuracy studies on non-invasive coronary CT angiography: influence of QUADAS (Quality Assessment of Diagnostic Accuracy Studies included in systematic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	7

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145	DNA double-strand breaks in blood lymphocytes induced by two-day 99mTc-MIBI myocardial perfusion scintigraphy. European Radiology, 2018, 28, 3075-3081.	4.5	7
146	Computed tomography for detection of septic foci: Retrospective analysis of patients presenting to the emergency department. Clinical Imaging, 2021, 69, 223-227.	1.5	7
147	Acceptance of Combined Coronary CT Angiography and Myocardial CT Perfusion versus Conventional Coronary Angiography in Patients with Coronary Stentsâ€"Intraindividual Comparison. PLoS ONE, 2015, 10, e0136737.	2.5	7
148	Perivascular fat attenuation for predicting adverse cardiac events in stable patients undergoing invasive coronary angiography. Journal of Cardiovascular Computed Tomography, 2022, 16, 483-490.	1.3	7
149	Implementation of a Phase Detection Algorithm for Dynamic Cardiac Computed Tomography Analysis Based on Time Dependent Contrast Agent Distribution. PLoS ONE, 2014, 9, e116103.	2.5	6
150	Cardiac CT. , 2014, , .		6
151	Structure or entropy in reporting cardiac CT findings. International Journal of Cardiovascular Imaging, 2016, 32, 1657-1658.	1.5	6
152	Extracardiac findings at cardiac MR imaging: a single-centre retrospective study over 14Âyears. European Radiology, 2018, 28, 4102-4110.	4.5	6
153	Effect of Computed Tomography Versus Invasive Coronary Angiography on StatinÂAdherence. JACC: Cardiovascular Imaging, 2021, 14, 1480-1483.	5.3	6
154	Computed tomography angiography versus Agatston score for diagnosis of coronary artery disease in patients with stable chest pain: individual patient data meta-analysis of the international COME-CCT Consortium. European Radiology, 2022, 32, 5233-5245.	4.5	6
155	A Monte Carlo simulation for the estimation of patient dose in rest and stress cardiac computed tomography with a 320-detector row CT scanner. Physica Medica, 2015, 31, 1029-1034.	0.7	5
156	Effectiveness of the clinical decision support tool ESR eGUIDE for teaching medical students the appropriate selection of imaging tests: randomized cross-over evaluation. European Radiology, 2020, 30, 5684-5689.	4.5	5
157	Fractal analysis improves tumour size measurement on computed tomography in pancreatic ductal adenocarcinoma: comparison with gross pathology and multi-parametric MRI. European Radiology, 2022, 32, 5053-5063.	4.5	5
158	Contamination of CT scanner surfaces with SARS-CoV-2 and infective potential after examination of invasively ventilated, non-invasively ventilated and non-ventilated patients with positive throat swabs: prospective investigation using real-time reverse-transcription PCR and viral cell culture. Insights Into Imaging, 2022, 13, 61.	3.4	5
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