

Marc Dewey

List of Publications by Year in descending order

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216
papers

9,940
citations

47409

49
h-index

45040

94
g-index

240
all docs

240
docs citations

240
times ranked

8477
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Performance of Coronary Angiography by 64-Row CT. <i>New England Journal of Medicine</i> , 2008, 359, 2324-2336.	13.9	1,637
2	A clinical prediction rule for the diagnosis of coronary artery disease: validation, updating, and extension. <i>European Heart Journal</i> , 2011, 32, 1316-1330.	1.0	427
3	Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. <i>European Heart Journal</i> , 2014, 35, 1120-1130.	1.0	385
4	Noninvasive Coronary Angiography by 320-Row Computed Tomography With Lower Radiation Exposure and Maintained Diagnostic Accuracy. <i>Circulation</i> , 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. <i>Journal of the American College of Cardiology</i> , 2010, 55, 627-634.	1.2	268
6	Meta-analysis: Noninvasive Coronary Angiography Using Computed Tomography Versus Magnetic Resonance Imaging. <i>Annals of Internal Medicine</i> , 2010, 152, 167.	2.0	234
7	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. <i>BMJ, The</i> , 2012, 344, e3485-e3485.	3.0	225
8	Diagnostic Accuracy of Computed Tomography Coronary Angiography According to Pre-Test Probability of Coronary Artery Disease and Severity of Coronary Arterial Calcification. <i>Journal of the American College of Cardiology</i> , 2012, 59, 379-387.	1.2	222
9	Claustrophobia during magnetic resonance imaging: Cohort study in over 55,000 patients. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1322-1327.	1.9	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. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1897-1907.	1.2	169
11	CT or Invasive Coronary Angiography in Stable Chest Pain. <i>New England Journal of Medicine</i> , 2022, 386, 1591-1602.	13.9	144
12	Evaluation of Global and Regional Left Ventricular Function With 16-Slice Computed Tomography, Biplane Cineventriculography, and Two-Dimensional Transthoracic Echocardiography. <i>Journal of the American College of Cardiology</i> , 2006, 48, 2034-2044.	1.2	136
13	Coronary Artery Stenoses: Accuracy of 64-Row Detector Row CT Angiography in Segments with Mild, Moderate, or Severe Calcification—A Subanalysis of the CORE-64 Trial. <i>Radiology</i> , 2011, 261, 100-108.	3.6	136
14	Noninvasive Detection of Coronary Artery Stenoses with Multislice Computed Tomography or Magnetic Resonance Imaging. <i>Annals of Internal Medicine</i> , 2006, 145, 407.	2.0	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. <i>BMJ, The</i> , 2012, 345, e6717-e6717.	3.0	131
16	Multisegment and Halfscan Reconstruction of 16-Slice Computed Tomography for Detection of Coronary Artery Stenoses. <i>Investigative Radiology</i> , 2004, 39, 223-229.	3.5	127
17	320-slice CT neuroimaging: initial clinical experience and image quality evaluation. <i>British Journal of Radiology</i> , 2009, 82, 561-570.	1.0	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. <i>American Journal of Roentgenology</i> , 2011, 197, 829-837.	1.0	113

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19	Integrating artificial intelligence into the clinical practice of radiology: challenges and recommendations. <i>European Radiology</i> , 2020, 30, 3576-3584.	2.3	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. <i>Radiology</i> , 2014, 272, 407-416.	3.6	112
21	Coronary CT angiography using 64 detector rows: methods and design of the multi-centre trial CORE-64. <i>European Radiology</i> , 2009, 19, 816-828.	2.3	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. <i>BMJ: British Medical Journal</i> , 2019, 365, l1945.	2.4	99
23	Cost effectiveness of coronary angiography and calcium scoring using CT and stress MRI for diagnosis of coronary artery disease. <i>European Radiology</i> , 2007, 17, 1301-1309.	2.3	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. <i>American Journal of Roentgenology</i> , 2010, 194, 93-102.	1.0	94
25	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. <i>Nature Reviews Cardiology</i> , 2020, 17, 427-450.	6.1	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. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 179-189.	1.3	93
27	Continuous Learning AI in Radiology: Implementation Principles and Early Applications. <i>Radiology</i> , 2020, 297, 6-14.	3.6	92
28	Multislice CT Coronary Angiography: Effect of Sublingual Nitroglycerine on the Diameter of Coronary Arteries. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2006, 178, 600-604.	0.7	90
29	Computed Tomography Angiography and Myocardial Computed Tomography Perfusion in Patients With Coronary Stents. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1476-1485.	1.2	90
30	Evaluation of computed tomography in patients with atypical angina or chest pain clinically referred for invasive coronary angiography: randomised controlled trial. <i>BMJ, The</i> , 2016, 355, i5441.	3.0	86
31	Non-cardiac findings on coronary computed tomography and magnetic resonance imaging. <i>European Radiology</i> , 2007, 17, 2038-2043.	2.3	85
32	Semi-automatic classification of prostate cancer on multi-parametric MR imaging using a multi-channel 3D convolutional neural network. <i>European Radiology</i> , 2020, 30, 1243-1253.	2.3	85
33	Automatic prostate and prostate zones segmentation of magnetic resonance images using DenseNet-like U-net. <i>Scientific Reports</i> , 2020, 10, 14315.	1.6	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. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 370-381.	0.7	77
35	4-D Imaging in Cerebrovascular Disorders by Using 320-Slice CT. <i>Academic Radiology</i> , 2009, 16, 123-129.	1.3	74
36	Evidence of Reduced Muscle Trauma Through a Minimally Invasive Anterolateral Approach by Means of MRI. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 3192-3200.	0.7	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. <i>Radiology</i> , 2017, 284, 55-65.	3.6	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. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e002676.	1.3	73
39	Multislice Computed Tomography for Preoperative Evaluation of Right Ventricular Volumes and Function: Comparison With Magnetic Resonance Imaging. <i>Annals of Thoracic Surgery</i> , 2005, 79, 1344-1351.	0.7	63
40	The Revised QUADAS-2 Tool. <i>Annals of Internal Medicine</i> , 2012, 156, 323.	2.0	62
41	Reduction of claustrophobia during magnetic resonance imaging: methods and design of the "CLAUSTRO" randomized controlled trial. <i>BMC Medical Imaging</i> , 2011, 11, 4.	1.4	61
42	Spatio-Temporal Deep Learning-Based Undersampling Artefact Reduction for 2D Radial Cine MRI With Limited Training Data. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 703-717.	5.4	61
43	Coronary MR angiography using citrate-coated very small superparamagnetic iron oxide particles as blood-pool contrast agent: Initial experience in humans. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 816-823.	1.9	57
44	Multislice CT Coronary Angiography: Evaluation of an Automatic Vessel Detection Tool. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2004, 176, 478-483.	0.7	56
45	MRI findings of gluteus minimus muscle damage in primary total hip arthroplasty and the influence on clinical outcome. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 927-935.	1.3	56
46	Predictors of Inaccurate Coronary Arterial Stenosis Assessment by CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 963-972.	2.3	56
47	Isotropic half-millimeter angiography of coronary artery bypass grafts with 16-slice computed tomography. <i>Annals of Thoracic Surgery</i> , 2004, 77, 800-804.	0.7	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. <i>European Radiology</i> , 2021, 31, 6001-6012.	2.3	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 70 years. <i>International Orthopaedics</i> , 2011, 35, 165-171.	0.9	52
50	CT Coronary Angiography Using 16 and 64 Simultaneous Detector Rows: Intraindividual Comparison. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2007, 179, 581-586.	0.7	51
51	Comparison of multislice computed tomography with intravascular ultrasound for detection and characterization of coronary artery plaques: A systematic review. <i>European Journal of Radiology</i> , 2009, 71, 275-282.	1.2	51
52	Kidney Injury after Intravenous versus Intra-arterial Contrast Agent in Patients Suspected of Having Coronary Artery Disease: A Randomized Trial. <i>Radiology</i> , 2019, 292, 664-672.	3.6	51
53	Influence of statin treatment on coronary atherosclerosis visualised using multidetector computed tomography. <i>European Radiology</i> , 2010, 20, 2824-2833.	2.3	49
54	Accuracy of Computed Tomographic Angiography and Single-Photon Emission Computed Tomography-Acquired Myocardial Perfusion Imaging for the Diagnosis of Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e003533.	1.3	49

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55	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. <i>EClinicalMedicine</i> , 2020, 28, 100579.	3.2	49
56	Coronary Artery Stenosis Quantification Using Multislice Computed Tomography. <i>Investigative Radiology</i> , 2007, 42, 78-84.	3.5	44
57	Head-to-head comparison of multislice computed tomography and exercise electrocardiography for diagnosis of coronary artery disease. <i>European Heart Journal</i> , 2007, 28, 2485-2490.	1.0	43
58	Coronary magnetic resonance angiography: Experimental evaluation of the new rapid clearance blood pool contrast medium P792. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 932-938.	1.9	41
59	Patient Acceptance of Noninvasive and Invasive Coronary Angiography. <i>PLoS ONE</i> , 2007, 2, e246.	1.1	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. <i>Radiology</i> , 2017, 283, 148-157.	3.6	40
61	Three-vessel coronary artery disease examined with 320-slice computed tomography coronary angiography. <i>European Heart Journal</i> , 2008, 29, 1669-1669.	1.0	39
62	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. <i>Radiology</i> , 2020, 294, 61-73.	3.6	39
63	Evaluation of a semiautomatic software tool for left ventricular function analysis with 16-slice computed tomography. <i>European Radiology</i> , 2006, 16, 25-31.	2.3	38
64	Myocardial Viability: Assessment with Three-dimensional MR Imaging in Pigs and Patients. <i>Radiology</i> , 2006, 239, 703-709.	3.6	38
65	Reduction of Claustrophobia with Short-Bore versus Open Magnetic Resonance Imaging: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2011, 6, e23494.	1.1	38
66	Multisegment and Halfscan Reconstruction of 16-Slice Computed Tomography for Assessment of Regional and Global Left Ventricular Myocardial Function. <i>Investigative Radiology</i> , 2006, 41, 400-409.	3.5	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. <i>European Radiology</i> , 2007, 17, 2829-2837.	2.3	37
68	Influence of coronary artery disease prevalence on predictive values of coronary CT angiography: a meta-regression analysis. <i>European Radiology</i> , 2011, 21, 1904-1913.	2.3	37
69	Combination of free-breathing and breathhold steady-state free precession magnetic resonance angiography for detection of coronary artery stenoses. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 674-681.	1.9	36
70	Fractal analysis in radiological and nuclear medicine perfusion imaging: a systematic review. <i>European Radiology</i> , 2014, 24, 60-69.	2.3	36
71	Respiratory-triggered MRCP applying parallel acquisition techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1095-1100.	1.9	34
72	3D and 2D Delayed-Enhancement Magnetic Resonance Imaging for Detection of Myocardial Infarction: Preclinical and Clinical Results. <i>Academic Radiology</i> , 2007, 14, 788-794.	1.3	34

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73	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. <i>European Radiology</i> , 2017, 27, 2957-2968.	2.3	33
74	Frequency of referral of patients with safety-related contraindications to magnetic resonance imaging. <i>European Journal of Radiology</i> , 2007, 63, 124-127.	1.2	32
75	Intra- and interobserver variability in detection and assessment of calcified and noncalcified coronary artery plaques using 64-slice computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2008, 24, 735-742.	0.7	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. <i>European Radiology</i> , 2012, 22, 1641-1650.	2.3	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. <i>International Journal of Cardiology</i> , 2015, 201, 570-577.	0.8	31
78	The Evaluation of Bivariate Mixed Models in Meta-analyses of Diagnostic Accuracy Studies with SAS, Stata and R. <i>Methods of Information in Medicine</i> , 2018, 57, 111-119.	0.7	31
79	Radiation Exposure to Patients in a Multicenter Coronary Angiography Trial (CORE 64). <i>American Journal of Roentgenology</i> , 2011, 196, 1126-1132.	1.0	30
80	Coronary CT versus MR Angiography: Pro CT – The Role of CT Angiography. <i>Radiology</i> , 2011, 258, 329-339.	3.6	28
81	Extracardiac findings on coronary CT angiography: A systematic review. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 174-182.e6.	0.7	28
82	Patient satisfaction with coronary CT angiography, myocardial CT perfusion, myocardial perfusion MRI, SPECT myocardial perfusion imaging and conventional coronary angiography. <i>European Radiology</i> , 2015, 25, 2115-2124.	2.3	28
83	Contemporary Discrepancies of Stenosis Assessment by Computed Tomography and Invasive Coronary Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e007720.	1.3	28
84	Impact of Article Language in Multi-Language Medical Journals - a Bibliometric Analysis of Self-Citations and Impact Factor. <i>PLoS ONE</i> , 2013, 8, e76816.	1.1	27
85	Intra- and interobserver variability of magnetic resonance imaging for quantitative assessment of abductor and external rotator muscle changes after total hip arthroplasty. <i>European Journal of Radiology</i> , 2012, 81, 928-933.	1.2	26
86	Neural networks-based regularization for large-scale medical image reconstruction. <i>Physics in Medicine and Biology</i> , 2020, 65, 135003.	1.6	26
87	Magnetic Resonance Imaging of Myocardial Perfusion and Viability Using a Blood Pool Contrast Agent. <i>Investigative Radiology</i> , 2004, 39, 498-505.	3.5	23
88	Evaluation of right ventricular function with multidetector computed tomography: comparison with magnetic resonance imaging and analysis of inter- and intraobserver variability. <i>European Radiology</i> , 2009, 19, 278-289.	2.3	22
89	Indications, imaging technique, and reading of cardiac computed tomography: survey of clinical practice. <i>European Radiology</i> , 2012, 22, 59-72.	2.3	22
90	Endocardial – 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. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 779-787.	0.5	21

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91	Computed Tomographic Perfusion Improves Diagnostic Power of Coronary Computed Tomographic Angiography in Women. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	18
92	Noninvasive evaluation of global and regional left ventricular function using computed tomography and magnetic resonance imaging: a meta-analysis. <i>European Radiology</i> , 2017, 27, 1640-1659.	2.3	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. <i>Radiology</i> , 2018, 286, 461-470.	3.6	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). <i>Systematic Reviews</i> , 2013, 2, 13.	2.5	17
95	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1619-1627.	0.7	17
96	Impact and perceived value of journal reporting guidelines among Radiology authors and reviewers. <i>European Radiology</i> , 2019, 29, 3986-3995.	2.3	17
97	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 971-977.	1.9	17
98	Whole-Heart Coronary Magnetic Resonance Angiography at 1.5 Tesla. <i>Investigative Radiology</i> , 2011, 46, 152-159.	3.5	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. <i>European Radiology</i> , 2018, 28, 3996-4005.	2.3	16
100	Deep learning and medical diagnosis. <i>Lancet, The</i> , 2019, 394, 1710-1711.	6.3	16
101	Patient preferences for development in MRI scanner design: a survey of claustrophobic patients in a randomized study. <i>European Radiology</i> , 2021, 31, 1325-1335.	2.3	16
102	Coronary artery disease: new insights and their implications for radiology. <i>European Radiology</i> , 2004, 14, 1048-1054.	2.3	15
103	Assessment of myocardial infarction in pigs using a rapid clearance blood pool contrast medium. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 703-709.	1.9	15
104	Contrast agent bolus tracking with a fixed threshold or a manual fast start for coronary CT angiography. <i>European Radiology</i> , 2014, 24, 1229-1238.	2.3	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. <i>PLoS ONE</i> , 2015, 10, e0125943.	1.1	15
106	Mixture models in diagnostic meta-analysesâ€”Clustering summary receiver operating characteristic curves accounted for heterogeneity and correlation. <i>Journal of Clinical Epidemiology</i> , 2015, 68, 61-72.	2.4	15
107	Clinical Imaging Research: Higher Evidence, Global Collaboration, Improved Reporting, and Data Sharing Are the Grand Challenges. <i>Radiology</i> , 2019, 291, 547-552.	3.6	15
108	Audio-guided self-hypnosis for reduction of claustrophobia during MR imaging: results of an observational 2-group study. <i>European Radiology</i> , 2021, 31, 4483-4491.	2.3	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. <i>Investigative Radiology</i> , 2007, 42, 248-255.	3.5	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. <i>International Journal of Cardiology</i> , 2014, 177, 385-391.	0.8	14
111	Relationship of left ventricular mass to coronary atherosclerosis and myocardial ischaemia: the CORE320 multicenter study. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 166-176.	0.5	14
112	The future of radiology: adding value to clinical care. <i>Lancet, The</i> , 2018, 392, 472-473.	6.3	14
113	Extracardiac findings on coronary computed tomography angiography in patients without significant coronary artery disease. <i>European Radiology</i> , 2019, 29, 1714-1723.	2.3	14
114	Health-related quality of life, angina type and coronary artery disease in patients with stable chest pain. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 140.	1.0	14
115	Comprehensive Assessment of Radiation Dose Estimates for the CORE320 Study. <i>American Journal of Roentgenology</i> , 2015, 204, W27-W36.	1.0	13
116	Fractal analysis of the ischemic transition region in chronic ischemic heart disease using magnetic resonance imaging. <i>European Radiology</i> , 2017, 27, 1537-1546.	2.3	13
117	Is there a gender difference in noninvasive coronary imaging? Multislice computed tomography for noninvasive detection of coronary stenoses. <i>BMC Cardiovascular Disorders</i> , 2008, 8, 2.	0.7	12
118	Cardiac and Coronary Anatomy in Computed Tomography. <i>Seminars in Ultrasound, CT and MRI</i> , 2008, 29, 176-181.	0.7	12
119	Determining Optimal Acquisition Parameters for Computed Tomography Coronary Angiography. <i>Academic Radiology</i> , 2009, 16, 239-243.	1.3	12
120	Computer-Aided CT coronary artery stenosis detection: comparison with human reading and quantitative coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1621-1627.	0.7	12
121	High-Field Open versus Short-Bore Magnetic Resonance Imaging of the Spine: A Randomized Controlled Comparison of Image Quality. <i>PLoS ONE</i> , 2013, 8, e83427.	1.1	12
122	Relationship between cup position and obturator externus muscle in total hip arthroplasty. <i>Journal of Orthopaedic Surgery and Research</i> , 2010, 5, 44.	0.9	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. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2010, 182, 313-321.	0.7	11
124	Compliance with STARD Checklist among Studies of Coronary CT Angiography: Systematic Review. <i>Radiology</i> , 2014, 271, 74-86.	3.6	11
125	Supervisors' perspective on medical thesis projects and dropout rates: survey among thesis supervisors at a large German university hospital. <i>BMJ Open</i> , 2016, 6, e012726.	0.8	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. <i>PLoS ONE</i> , 2020, 15, e0228736.	1.1	11

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127	Prediction of prostate cancer grade using fractal analysis of perfusion MRI: retrospective proof-of-principle study. <i>European Radiology</i> , 2021, , 1.	2.3	11
128	Triage of Patients with Suspected Coronary Artery Disease using Multislice Computed Tomography. <i>Academic Radiology</i> , 2007, 14, 901-909.	1.3	10
129	CT coronary angiography: Influence of different cardiac reconstruction intervals on image quality and diagnostic accuracy. <i>European Journal of Radiology</i> , 2008, 67, 92-99.	1.2	10
130	The Bionic Radiologist: avoiding blurry pictures and providing greater insights. <i>Npj Digital Medicine</i> , 2019, 2, 65.	5.7	10
131	Patient Preferences for Coronary CT Angiography with Stress Perfusion, SPECT, or Invasive Coronary Angiography. <i>Radiology</i> , 2019, 291, 340-348.	3.6	10
132	Noise reduction and motion elimination in low-dose 4D myocardial computed tomography perfusion (CTP): preliminary clinical evaluation of the ASTRA4D algorithm. <i>European Radiology</i> , 2019, 29, 4572-4582.	2.3	10
133	Clinical pre-test probability for obstructive coronary artery disease: insights from the European DISCHARGE pilot study. <i>European Radiology</i> , 2021, 31, 1471-1481.	2.3	10
134	A minimally invasive method for induction of myocardial infarction in an animal model using tungsten spirals. <i>International Journal of Cardiovascular Imaging</i> , 2009, 25, 529-535.	0.7	9
135	Prognostic value of noninvasive combined anatomic/functional assessment by cardiac CT in patients with suspected coronary artery disease " Comparison with invasive coronary angiography and nuclear myocardial perfusion imaging for the five-year-follow up of the CORE320 multicenter study. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 485-491.	0.7	9
136	Ernst Ferdinand Sauerbruch and His Ambiguous Role in the Period of National Socialism. <i>Annals of Surgery</i> , 2006, 244, 315-321.	2.1	8
137	Multislice computed tomography: angiographic emulation versus standard assessment for detection of coronary stenoses. <i>European Radiology</i> , 2007, 17, 1858-1864.	2.3	8
138	Technical and Clinical Aspects of Coronary Computed Tomography Angiography. <i>Seminars in Ultrasound, CT and MRI</i> , 2008, 29, 167-175.	0.7	8
139	Fractional Flow Reserve Estimation by Coronary Computed Tomography Angiography. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1410-1411.	1.2	8
140	Time Efficiency and Diagnostic Accuracy of New Automated Myocardial Perfusion Analysis Software in 320-Row CT Cardiac Imaging. <i>Korean Journal of Radiology</i> , 2013, 14, 21.	1.5	8
141	Clinical trials in radiology and data sharing: results from a survey of the European Society of Radiology (ESR) research committee. <i>European Radiology</i> , 2019, 29, 4794-4802.	2.3	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. <i>Scientific Reports</i> , 2022, 12, 5085.	1.6	8
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