

Marc Dewey

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

7,420
citations

40
h-index

82
g-index

240
ext. papers

8,808
ext. citations

8.7
avg, IF

5.69
L-index

#	Paper	IF	Citations
206	Diagnostic performance of coronary angiography by 64-row CT. <i>New England Journal of Medicine</i> , 2008 , 359, 2324-36	59.2	1384
205	A clinical prediction rule for the diagnosis of coronary artery disease: validation, updating, and extension. <i>European Heart Journal</i> , 2011 , 32, 1316-30	9.5	325
204	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, 1120-30	9.5	310
203	Noninvasive coronary angiography by 320-row computed tomography with lower radiation exposure and maintained diagnostic accuracy: comparison of results with cardiac catheterization in a head-to-head pilot investigation. <i>Circulation</i> , 2009 , 120, 867-75	16.7	261
202	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, 627-34	15.1	212
201	Meta-analysis: noninvasive coronary angiography using computed tomography versus magnetic resonance imaging. <i>Annals of Internal Medicine</i> , 2010 , 152, 167-77	8	195
200	Diagnostic accuracy of computed tomography coronary angiography according to pre-test probability of coronary artery disease and severity of coronary arterial calcification. The CORE-64 (Coronary Artery Evaluation Using 64-Row Multidetector Computed Tomography Angiography) International Multicenter Study. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 379-87	15.1	172
199	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. <i>BMJ, The</i> , 2012 , 344, e3485	5.9	148
198	Claustrophobia during magnetic resonance imaging: cohort study in over 55,000 patients. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 1322-7	5.6	138
197	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: comparison with magnetic resonance imaging as the reference standard. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1897-907	15.1	135
196	Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 2034-44	15.1	124
195	Noninvasive detection of coronary artery stenoses with multislice computed tomography or magnetic resonance imaging. <i>Annals of Internal Medicine</i> , 2006 , 145, 407-15	8	116
194	Multisegment and halfscan reconstruction of 16-slice computed tomography for detection of coronary artery stenoses. <i>Investigative Radiology</i> , 2004 , 39, 223-9	10.1	109
193	320-slice CT neuroimaging: initial clinical experience and image quality evaluation. <i>British Journal of Radiology</i> , 2009 , 82, 561-70	3.4	104
192	Coronary artery stenoses: accuracy of 64-detector row CT angiography in segments with mild, moderate, or severe calcification—a subanalysis of the CORE-64 trial. <i>Radiology</i> , 2011 , 261, 100-8	20.5	103
191	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	5.9	103
190	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, 829-37	5.4	101

189	Coronary CT angiography using 64 detector rows: methods and design of the multi-centre trial CORE-64. <i>European Radiology</i> , 2009 , 19, 816-28	8	98
188	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, 407-16	20.5	89
187	Computed tomography angiography and myocardial computed tomography perfusion in patients with coronary stents: prospective intraindividual comparison with conventional coronary angiography. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1476-85	15.1	83
186	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, 1301-9	8	82
185	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	5.4	80
184	Non-cardiac findings on coronary computed tomography and magnetic resonance imaging. <i>European Radiology</i> , 2007 , 17, 2038-43	8	78
183	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, 600-4	2.3	77
182	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, 370-81	2.8	69
181	4-D Imaging in cerebrovascular disorders by using 320-slice CT: feasibility and preliminary clinical experience. <i>Academic Radiology</i> , 2009 , 16, 123-9	4.3	64
180	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, 179-89	3.6	62
179	Evidence of reduced muscle trauma through a minimally invasive anterolateral approach by means of MRI. <i>Clinical Orthopaedics and Related Research</i> , 2010 , 468, 3192-200	2.2	57
178	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: results from the CORE320 multicenter study. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e004574	3.9	55
177	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, 1344-51	2.7	54
176	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	5.9	53
175	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	20.5	52
174	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, 816-23	5.6	51
173	The revised QUADAS-2 tool. <i>Annals of Internal Medicine</i> , 2012 , 156, 323; author reply 323-4	8	50
172	Isotropic half-millimeter angiography of coronary artery bypass grafts with 16-slice computed tomography. <i>Annals of Thoracic Surgery</i> , 2004 , 77, 800-4	2.7	50

171	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, 478-83	2.3	49
170	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, 275-82	4.7	45
169	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, 581-6	2.3	45
168	Reduction of claustrophobia during magnetic resonance imaging: methods and design of the "CLAUSTRO" randomized controlled trial. <i>BMC Medical Imaging</i> , 2011 , 11, 4	2.9	41
167	Influence of statin treatment on coronary atherosclerosis visualised using multidetector computed tomography. <i>European Radiology</i> , 2010 , 20, 2824-33	8	40
166	Coronary artery stenosis quantification using multislice computed tomography. <i>Investigative Radiology</i> , 2007 , 42, 78-84	10.1	40
165	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, The</i> , 2019 , 365, l1945	5.9	39
164	Predictors of inaccurate coronary arterial stenosis assessment by CT angiography. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 963-72	8.4	39
163	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, 927-35	3.6	39
162	Automatic prostate and prostate zones segmentation of magnetic resonance images using DenseNet-like U-net. <i>Scientific Reports</i> , 2020 , 10, 14315	4.9	39
161	Integrating artificial intelligence into the clinical practice of radiology: challenges and recommendations. <i>European Radiology</i> , 2020 , 30, 3576-3584	8	38
160	Head-to-head comparison of multislice computed tomography and exercise electrocardiography for diagnosis of coronary artery disease. <i>European Heart Journal</i> , 2007 , 28, 2485-90	9.5	38
159	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. <i>Nature Reviews Cardiology</i> , 2020 , 17, 427-450	14.8	37
158	Three-vessel coronary artery disease examined with 320-slice computed tomography coronary angiography. <i>European Heart Journal</i> , 2008 , 29, 1669	9.5	37
157	Coronary magnetic resonance angiography: experimental evaluation of the new rapid clearance blood pool contrast medium P792. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 932-8	4.4	37
156	Myocardial viability: assessment with three-dimensional MR imaging in pigs and patients. <i>Radiology</i> , 2006 , 239, 703-9	20.5	36
155	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, 400-9	10.1	36
154	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	11.7	36

153	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, 165-71	3.8	35
152	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, 674-81	5.6	34
151	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	8	34
150	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, 2829-37	8	33
149	Evaluation of a semiautomatic software tool for left ventricular function analysis with 16-slice computed tomography. <i>European Radiology</i> , 2006 , 16, 25-31	8	33
148	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	3.9	32
147	Influence of coronary artery disease prevalence on predictive values of coronary CT angiography: a meta-regression analysis. <i>European Radiology</i> , 2011 , 21, 1904-13	8	32
146	Patient acceptance of noninvasive and invasive coronary angiography. <i>PLoS ONE</i> , 2007 , 2, e246	3.7	32
145	Continuous Learning AI in Radiology: Implementation Principles and Early Applications. <i>Radiology</i> , 2020 , 297, 6-14	20.5	32
144	3D and 2D delayed-enhancement magnetic resonance imaging for detection of myocardial infarction: preclinical and clinical results. <i>Academic Radiology</i> , 2007 , 14, 788-94	4.3	30
143	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, 1641-50	8	29
142	Respiratory-triggered MRCP applying parallel acquisition techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 1095-100	5.6	28
141	Radiation exposure to patients in a multicenter coronary angiography trial (CORE 64). <i>American Journal of Roentgenology</i> , 2011 , 196, 1126-32	5.4	27
140	Frequency of referral of patients with safety-related contraindications to magnetic resonance imaging. <i>European Journal of Radiology</i> , 2007 , 63, 124-7	4.7	27
139	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, 570-7	3.2	26
138	Intra- and interobserver variability in detection and assessment of calcified and noncalcified coronary artery plaques using 64-slice computed tomography: variability in coronary plaque measurement using MSCT. <i>International Journal of Cardiovascular Imaging</i> , 2008 , 24, 735-42	2.5	26
137	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. <i>EClinicalMedicine</i> , 2020 , 28, 100579	11.3	26
136	Fractal analysis in radiological and nuclear medicine perfusion imaging: a systematic review. <i>European Radiology</i> , 2014 , 24, 60-9	8	25

135	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. <i>European Radiology</i> , 2017 , 27, 2957-2968	8	23
134	Reduction of claustrophobia with short-bore versus open magnetic resonance imaging: a randomized controlled trial. <i>PLoS ONE</i> , 2011 , 6, e23494	3.7	23
133	Coronary CT versus MR angiography: pro CT--the role of CT angiography. <i>Radiology</i> , 2011 , 258, 329-39	20.5	22
132	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, 2115-24	8	21
131	Indications, imaging technique, and reading of cardiac computed tomography: survey of clinical practice. <i>European Radiology</i> , 2012 , 22, 59-72	8	21
130	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, 278-89	8	21
129	Magnetic resonance imaging of myocardial perfusion and viability using a blood pool contrast agent. <i>Investigative Radiology</i> , 2004 , 39, 498-505	10.1	20
128	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	3.7	20
127	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	1.5	19
126	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	20.5	19
125	Extracardiac findings on coronary CT angiography: a systematic review. <i>Journal of Cardiovascular Computed Tomography</i> , 2014 , 8, 174-82.e1-6	2.8	18
124	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, 928-33	4.7	18
123	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	20.5	17
122	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, 778-87	4.1	16
121	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	8	16
120	Coronary Artery Disease: Analysis of Diagnostic Performance of CT Perfusion and MR Perfusion Imaging in Comparison with Quantitative Coronary Angiography and SPECT-Multicenter Prospective Trial. <i>Radiology</i> , 2018 , 286, 461-470	20.5	14
119	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	3.7	14
118	Coronary artery disease: new insights and their implications for radiology. <i>European Radiology</i> , 2004 , 14, 1048-54	8	14

117	Mixture models in diagnostic meta-analyses--clustering summary receiver operating characteristic curves accounted for heterogeneity and correlation. <i>Journal of Clinical Epidemiology</i> , 2015 , 68, 61-72	5.7	13
116	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, 385-91	3.2	13
115	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 1619-27	2.5	13
114	Whole-heart coronary magnetic resonance angiography at 1.5 Tesla: does a blood-pool contrast agent improve diagnostic accuracy?. <i>Investigative Radiology</i> , 2011 , 46, 152-9	10.1	13
113	Assessment of myocardial infarction in pigs using a rapid clearance blood pool contrast medium. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 703-9	4.4	13
112	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	20.5	13
111	Neural networks-based regularization for large-scale medical image reconstruction. <i>Physics in Medicine and Biology</i> , 2020 , 65, 135003	3.8	12
110	Comprehensive assessment of radiation dose estimates for the CORE320 study. <i>American Journal of Roentgenology</i> , 2015 , 204, W27-36	5.4	12
109	Determining optimal acquisition parameters for computed tomography coronary angiography: evaluation of a software-assisted, breathhold exam simulation. <i>Academic Radiology</i> , 2009 , 16, 239-43	4.3	12
108	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	2.3	12
107	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	8	11
106	Contrast agent bolus tracking with a fixed threshold or a manual fast start for coronary CT angiography. <i>European Radiology</i> , 2014 , 24, 1229-38	8	11
105	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, 248-55	10.1	11
104	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	3	10
103	Fractal analysis of the ischemic transition region in chronic ischemic heart disease using magnetic resonance imaging. <i>European Radiology</i> , 2017 , 27, 1537-1546	8	10
102	Compliance with STARD checklist among studies of coronary CT angiography: systematic review. <i>Radiology</i> , 2014 , 271, 74-86	20.5	10
101	Computed Tomographic Perfusion Improves Diagnostic Power of Coronary Computed Tomographic Angiography in Women: Analysis of the CORE320 Trial (Coronary Artery Evaluation Using 320-Row Multidetector Computed Tomography Angiography and Myocardial Perfusion) According to Gender. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	9
100	The future of radiology: adding value to clinical care. <i>Lancet, The</i> , 2018 , 392, 472-473	40	9

99	Deep learning and medical diagnosis. <i>Lancet, The</i> , 2019 , 394, 1710-1711	40	9
98	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 ⁸		9
97	Computer-aided CT coronary artery stenosis detection: comparison with human reading and quantitative coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1621-7	2.5	9
96	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, 529-35	2.5	9
95	Triage of patients with suspected coronary artery disease using multislice computed tomography. <i>Academic Radiology</i> , 2007 , 14, 901-9	4.3	9
94	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	3.7	9
93	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	3	9
92	Relationship of left ventricular mass to coronary atherosclerosis and myocardial ischaemia: the CORE320 multicenter study. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 166-76	4.1	8
91	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, 21-9	6.9	8
90	Relationship between cup position and obturator externus muscle in total hip arthroplasty. <i>Journal of Orthopaedic Surgery and Research</i> , 2010 , 5, 44	2.8	8
89	CT coronary angiography: influence of different cardiac reconstruction intervals on image quality and diagnostic accuracy. <i>European Journal of Radiology</i> , 2008 , 67, 92-9	4.7	8
88	Contemporary Discrepancies of Stenosis Assessment by Computed Tomography and Invasive Coronary Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e007720	3.9	8
87	The : avoiding blurry pictures and providing greater insights. <i>Npj Digital Medicine</i> , 2019 , 2, 65	15.7	7
86	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 971-977	5.6	7
85	Fractional flow reserve estimation by coronary computed tomography angiography. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1410-1; author reply 1411	15.1	7
84	Technical and clinical aspects of coronary computed tomography angiography. <i>Seminars in Ultrasound, CT and MRI</i> , 2008 , 29, 167-75	1.7	7
83	Cardiac and coronary anatomy in computed tomography. <i>Seminars in Ultrasound, CT and MRI</i> , 2008 , 29, 176-81	1.7	7
82	How multidetector CT can help open bike locks. <i>Radiology</i> , 2007 , 245, 921	20.5	7

81	Acceptance of Combined Coronary CT Angiography and Myocardial CT Perfusion versus Conventional Coronary Angiography in Patients with Coronary Stents--Intraindividual Comparison. <i>PLoS ONE</i> , 2015 , 10, e0136737	3.7	7
80	Impact and perceived value of journal reporting guidelines among Radiology authors and reviewers. <i>European Radiology</i> , 2019 , 29, 3986-3995	8	7
79	Extracardiac findings on coronary computed tomography angiography in patients without significant coronary artery disease. <i>European Radiology</i> , 2019 , 29, 1714-1723	8	7
78	CT or Invasive Coronary Angiography in Stable Chest Pain.. <i>New England Journal of Medicine</i> , 2022 ,	59.2	7
77	Patient Preferences for Coronary CT Angiography with Stress Perfusion, SPECT, or Invasive Coronary Angiography. <i>Radiology</i> , 2019 , 291, 340-348	20.5	6
76	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	3.7	6
75	Multislice computed tomography: angiographic emulation versus standard assessment for detection of coronary stenoses. <i>European Radiology</i> , 2007 , 17, 1858-64	8	6
74	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	8	5
73	DNA double-strand breaks in blood lymphocytes induced by two-day Tc-MIBI myocardial perfusion scintigraphy. <i>European Radiology</i> , 2018 , 28, 3075-3081	8	5
72	[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, 313-21	2.3	5
71	Clinical Imaging Research: Higher Evidence, Global Collaboration, Improved Reporting, and Data Sharing Are the Grand Challenges. <i>Radiology</i> , 2019 , 291, 547-552	20.5	4
70	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	8	4
69	A Monte Carlo simulation for the estimation of patient dose in rest and stress cardiac computed tomography with a 320-detector row CT scanner. <i>Physica Medica</i> , 2015 , 31, 1029-1034	2.7	4
68	Extracardiac findings at cardiac MR imaging: a single-centre retrospective study over 14 years. <i>European Radiology</i> , 2018 , 28, 4102-4110	8	4
67	Methodological quality of diagnostic accuracy studies on non-invasive coronary CT angiography: influence of QUADAS (Quality Assessment of Diagnostic Accuracy Studies included in systematic reviews) items on sensitivity and specificity. <i>European Radiology</i> , 2013 , 23, 1603-22	8	4
66	Implementation of a phase detection algorithm for dynamic cardiac computed tomography analysis based on time dependent contrast agent distribution. <i>PLoS ONE</i> , 2014 , 9, e116103	3.7	4
65	Cardiac CT 2014 ,		4
64	Claustrophobia preventing MR imaging of the breast. <i>Radiology</i> , 2010 , 256, 328; author reply 328-9	20.5	4

63	Cardiac CT 2011 ,		4
62	Effect of iterative reconstruction and temporal averaging on contour sharpness in dynamic myocardial CT perfusion: Sub-analysis of the prospective 4D CT perfusion pilot study. <i>PLoS ONE</i> , 2018 , 13, e0205922	3.7	4
61	Coronary CT angiography cannot be recommended in patients with atrial fibrillation. <i>Radiology</i> , 2013 , 269, 947-8	20.5	3
60	Ernst Ferdinand Sauerbruch and his ambiguous role in the period of National Socialism. <i>Annals of Surgery</i> , 2006 , 244, 315-21	7.8	3
59	Clinical research in Europe. <i>Lancet, The</i> , 2003 , 361, 972	40	3
58	Prediction of prostate cancer grade using fractal analysis of perfusion MRI: retrospective proof-of-principle study.. <i>European Radiology</i> , 2021 , 1	8	3
57	Nuclear stress perfusion imaging versus computed tomography coronary angiography for identifying patients with obstructive coronary artery disease as defined by conventional angiography: insights from the CorE-64 multicenter study. <i>Heart International</i> , 2014 , 9, 1-6	0.3	3
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