

# Marc Dewey

## List of Publications by Year in Descending Order

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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	Myocardial CT perfusion imaging for the detection of obstructive coronary artery disease: multisegment reconstruction does not improve diagnostic performance.. <i>European Radiology Experimental</i> , <b>2022</b> , 6, 5	4.5	
205	Fully automated quantification of in vivo viscoelasticity of prostate zones using magnetic resonance elastography with Dense U-net segmentation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2001	4.9	0
204	Detection of relevant extracardiac findings on coronary computed tomography angiography vs. invasive coronary angiography. <i>European Radiology</i> , <b>2022</b> , 32, 122-131	8	0
203	Fractal analysis improves tumour size measurement on computed tomography in pancreatic ductal adenocarcinoma: comparison with gross pathology and multi-parametric MRI.. <i>European Radiology</i> , <b>2022</b> , 1	8	2
202	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> , <b>2022</b> , 12, 5085	4.9	0
201	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.. <i>Insights Into Imaging</i> , <b>2022</b> , 13, 61	5.6	0
200	CT or Invasive Coronary Angiography in Stable Chest Pain.. <i>New England Journal of Medicine</i> , <b>2022</b> ,	59.2	7
199	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.. <i>European Radiology</i> , <b>2022</b> , 1	8	
198	Differentiation of hepatocellular adenoma by subtype and hepatocellular carcinoma in non-cirrhotic liver by fractal analysis of perfusion MRI.. <i>Insights Into Imaging</i> , <b>2022</b> , 13, 81	5.6	0
197	Accuracy of fractal analysis and PI-RADS assessment of prostate magnetic resonance imaging for prediction of cancer grade groups: a clinical validation study.. <i>European Radiology</i> , <b>2021</b> , 32, 2372	8	2
196	Prediction of prostate cancer grade using fractal analysis of perfusion MRI: retrospective proof-of-principle study.. <i>European Radiology</i> , <b>2021</b> , 1	8	3
195	Audio-guided self-hypnosis for reduction of claustrophobia during MR imaging: results of an observational 2-group study. <i>European Radiology</i> , <b>2021</b> , 31, 4483-4491	8	3
194	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> , <b>2021</b> , 15, 485-491	2.8	1
193	Effect of Computed Tomography Versus Invasive Coronary Angiography on Statin Adherence: A Randomized Controlled Trial. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 1480-1483	8.4	1
192	Computed tomography for detection of septic foci: Retrospective analysis of patients presenting to the emergency department. <i>Clinical Imaging</i> , <b>2021</b> , 69, 223-227	2.7	1
191	Clinical pre-test probability for obstructive coronary artery disease: insights from the European DISCHARGE pilot study. <i>European Radiology</i> , <b>2021</b> , 31, 1471-1481	8	3
190	Patient preferences for development in MRI scanner design: a survey of claustrophobic patients in a randomized study. <i>European Radiology</i> , <b>2021</b> , 31, 1325-1335	8	2

189	Vertrauen in KI-basierte Radiologie [Erste Erkenntnisse durch eine explorative Stakeholder-Konsultation. <i>Forum Dienstleistungsmanagement</i> , <b>2021</b> , 309-335	0.5	
188	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> , <b>2021</b> , 31, 6001-6012	8	16
187	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 52, 971-977	5.6	7
186	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> , <b>2020</b> , 18, 140	3	2
185	Neural networks-based regularization for large-scale medical image reconstruction. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 135003	3.8	12
184	Effectiveness of the clinical decision support tool ESR eGUIDE for teaching medical students the appropriate selection of imaging tests: randomized cross-over evaluation. <i>European Radiology</i> , <b>2020</b> , 30, 5684-5689	8	1
183	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. <i>Nature Reviews Cardiology</i> , <b>2020</b> , 17, 427-450	14.8	37
182	Integrating artificial intelligence into the clinical practice of radiology: challenges and recommendations. <i>European Radiology</i> , <b>2020</b> , 30, 3576-3584	8	38
181	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> , <b>2020</b> , 15, e0228736	3.7	6
180	Developing a lung nodule management protocol specifically for cardiac CT: Methodology in the DISCHARGE trial. <i>European Journal of Radiology Open</i> , <b>2020</b> , 7, 100235	2.6	
179	Performing Computed Tomography Instead of Invasive Coronary Angiography: Sex Effects in Patients With Suspected CAD. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 888-889	8.4	1
178	Pilot study of the multicentre DISCHARGE Trial: image quality and protocol adherence results of computed tomography and invasive coronary angiography. <i>European Radiology</i> , <b>2020</b> , 30, 1997-2009	8	2
177	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. <i>Radiology</i> , <b>2020</b> , 294, 61-73	20.5	13
176	The role of body computed tomography in hospitalized patients with obscure infection: Retrospective consecutive cohort study. <i>European Journal of Radiology</i> , <b>2020</b> , 132, 109325	4.7	0
175	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. <i>EClinicalMedicine</i> , <b>2020</b> , 28, 100579	11.3	26
174	MRI for measuring therapy efficiency after revascularisation in ST-segment elevation myocardial infarction: a systematic review and meta-regression analysis. <i>BMJ Open</i> , <b>2020</b> , 10, e034359	3	1
173	Coronary Computed Tomography Angiography. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 324, 1455-1456	27.4	
172	Automatic prostate and prostate zones segmentation of magnetic resonance images using DenseNet-like U-net. <i>Scientific Reports</i> , <b>2020</b> , 10, 14315	4.9	39

171	Continuous Learning AI in Radiology: Implementation Principles and Early Applications. <i>Radiology</i> , <b>2020</b> , 297, 6-14	20.5	32
170	Spatio-Temporal Deep Learning-Based Undersampling Artefact Reduction for 2D Radial Cine MRI With Limited Training Data. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 703-717	11.7	36
169	The Interplay of Artificial and Human Intelligence in Radiology [Exploring Socio-Technical System Dynamics. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 390-395	0.4	1
168	Semi-automatic classification of prostate cancer on multi-parametric MR imaging using a multi-channel 3D convolutional neural network. <i>European Radiology</i> , <b>2020</b> , 30, 1243-1253	8	34
167	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 <b>2020</b> , 15, e0228736		
166	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 <b>2020</b> , 15, e0228736		
165	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 <b>2020</b> , 15, e0228736		
164	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 <b>2020</b> , 15, e0228736		
163	The : avoiding blurry pictures and providing greater insights. <i>Npj Digital Medicine</i> , <b>2019</b> , 2, 65	15.7	7
162	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> , <b>2019</b> , 365, l1945	5.9	39
161	Clinical Imaging Research: Higher Evidence, Global Collaboration, Improved Reporting, and Data Sharing Are the Grand Challenges. <i>Radiology</i> , <b>2019</b> , 291, 547-552	20.5	4
160	Patient Preferences for Coronary CT Angiography with Stress Perfusion, SPECT, or Invasive Coronary Angiography. <i>Radiology</i> , <b>2019</b> , 291, 340-348	20.5	6
159	Clinical trials in radiology and data sharing: results from a survey of the European Society of Radiology (ESR) research committee. <i>European Radiology</i> , <b>2019</b> , 29, 4794-4802	8	4
158	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> , <b>2019</b> , 29, 4572-4582	8	5
157	Kidney Injury after Intravenous versus Intra-arterial Contrast Agent in Patients Suspected of Having Coronary Artery Disease: A Randomized Trial. <i>Radiology</i> , <b>2019</b> , 292, 664-672	20.5	17
156	Deep learning and medical diagnosis. <i>Lancet, The</i> , <b>2019</b> , 394, 1710-1711	40	9
155	Impact and perceived value of journal reporting guidelines among Radiology authors and reviewers. <i>European Radiology</i> , <b>2019</b> , 29, 3986-3995	8	7
154	Contemporary Discrepancies of Stenosis Assessment by Computed Tomography and Invasive Coronary Angiography. <i>Circulation: Cardiovascular Imaging</i> , <b>2019</b> , 12, e007720	3.9	8

153	Extracardiac findings on coronary computed tomography angiography in patients without significant coronary artery disease. <i>European Radiology</i> , <b>2019</b> , 29, 1714-1723	8	7
152	Fundamentals of X-Ray Computed Tomography: Acquisition and Reconstruction <b>2018</b> , 325-339		1
151	Myocardial Perfusion Assessment by 3D and 4D Computed Tomography <b>2018</b> , 487-497		
150	DNA double-strand breaks in blood lymphocytes induced by two-day Tc-MIBI myocardial perfusion scintigraphy. <i>European Radiology</i> , <b>2018</b> , 28, 3075-3081	8	5
149	Extracardiac findings at cardiac MR imaging: a single-centre retrospective study over 14 years. <i>European Radiology</i> , <b>2018</b> , 28, 4102-4110	8	4
148	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , <b>2018</b> , 28, 4006-4017	8	1
147	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> , <b>2018</b> , 28, 3996-4005	8	11
146	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> , <b>2018</b> , 286, 461-470	20.5	14
145	The future of radiology: adding value to clinical care. <i>Lancet, The</i> , <b>2018</b> , 392, 472-473	40	9
144	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> , <b>2018</b> , 57, 111-119	1.5	19
143	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> , <b>2018</b> , 13, e0205922	3.7	4
142	Diagnostic accuracy of semi-automatic quantitative metrics as an alternative to expert reading of CT myocardial perfusion in the CORE320 study. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2018</b> , 12, 212-219	2.8	3
141	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> , <b>2017</b> , 284, 55-65	20.5	52
140	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. <i>European Radiology</i> , <b>2017</b> , 27, 2957-2968	8	23
139	Noninvasive evaluation of global and regional left ventricular function using computed tomography and magnetic resonance imaging: a meta-analysis. <i>European Radiology</i> , <b>2017</b> , 27, 1640-1659 <sup>8</sup>		9
138	Fractal analysis of the ischemic transition region in chronic ischemic heart disease using magnetic resonance imaging. <i>European Radiology</i> , <b>2017</b> , 27, 1537-1546	8	10
137	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> , <b>2017</b> , 283, 148-157	20.5	19
136	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> , <b>2016</b> , 9, e006000	3.9	9

135	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> , <b>2016</b> , 355, i5441	5.9	53
134	Research training: Plans for European medical doctorate. <i>Nature</i> , <b>2016</b> , 529, 156	50.4	1
133	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> , <b>2016</b> , 17, 779-87	4.1	16
132	Supervisors' perspective on medical thesis projects and dropout rates: survey among thesis supervisors at a large German university hospital. <i>BMJ Open</i> , <b>2016</b> , 6, e012726	3	9
131	Consolidation of regulation in Europe is needed for the ICMJE's data sharing proposal to work. <i>BMJ, The</i> , <b>2016</b> , 352, i1758	5.9	2
130	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> , <b>2015</b> , 8, e003474	3.9	55
129	Patient satisfaction with coronary CT angiography, myocardial CT perfusion, myocardial perfusion MRI, SPECT myocardial perfusion imaging and conventional coronary angiography. <i>European Radiology</i> , <b>2015</b> , 25, 2115-24	8	21
128	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> , <b>2015</b> , 201, 570-7	3.2	26
127	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> , <b>2015</b> , 8, e003533	3.9	32
126	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> , <b>2015</b> , 31, 1029-1034	2.7	4
125	What is the meaning of the P value and what does it mean for the PROMISE trial?. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2015</b> , 9, e7	2.8	
124	Mixture models in diagnostic meta-analyses--clustering summary receiver operating characteristic curves accounted for heterogeneity and correlation. <i>Journal of Clinical Epidemiology</i> , <b>2015</b> , 68, 61-72	5.7	13
123	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> , <b>2015</b> , 10, e0125943	3.7	14
122	Comprehensive assessment of radiation dose estimates for the CORE320 study. <i>American Journal of Roentgenology</i> , <b>2015</b> , 204, W27-36	5.4	12
121	On the analysis of heterogeneity within diagnostic meta-analyses based on mixture models. <i>Journal of Clinical Epidemiology</i> , <b>2015</b> , 68, 1523-4	5.7	
120	Relationship of left ventricular mass to coronary atherosclerosis and myocardial ischaemia: the CORE320 multicenter study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2015</b> , 16, 166-76	4.1	8
119	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> , <b>2015</b> , 10, e0136737	3.7	7
118	Fractal analysis in radiological and nuclear medicine perfusion imaging: a systematic review. <i>European Radiology</i> , <b>2014</b> , 24, 60-9	8	25



117	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> , <b>2014</b> , 177, 385-91	3.2	13
116	Contrast agent bolus tracking with a fixed threshold or a manual fast start for coronary CT angiography. <i>European Radiology</i> , <b>2014</b> , 24, 1229-38	8	11
115	Extracardiac findings on coronary CT angiography: a systematic review. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2014</b> , 8, 174-82.e1-6	2.8	18
114	Implementation of a phase detection algorithm for dynamic cardiac computed tomography analysis based on time dependent contrast agent distribution. <i>PLoS ONE</i> , <b>2014</b> , 9, e116103	3.7	4
113	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> , <b>2014</b> , 9, HEART.2014.1249	0.3	2
112	Computer-aided CT coronary artery stenosis detection: comparison with human reading and quantitative coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 1621-7	2.5	9
111	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> , <b>2014</b> , 35, 1120-30	9.5	310
110	Compliance with STARD checklist among studies of coronary CT angiography: systematic review. <i>Radiology</i> , <b>2014</b> , 271, 74-86	20.5	10
109	Zelen design in randomized controlled clinical trials. <i>Radiology</i> , <b>2014</b> , 272, 919	20.5	1
108	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> , <b>2014</b> , 272, 407-16	20.5	89
107	Cardiac CT <b>2014</b> ,		4
106	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> , <b>2014</b> , 9, 1-6	0.3	3
105	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> , <b>2013</b> , 2, 13	3	10
104	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> , <b>2013</b> , 23, 1603-22	8	4
103	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> , <b>2013</b> , 62, 1476-85	15.1	83
102	Predictors of inaccurate coronary arterial stenosis assessment by CT angiography. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 963-72	8.4	39
101	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 1619-27	2.5	13
100	Coronary CT angiography cannot be recommended in patients with atrial fibrillation. <i>Radiology</i> , <b>2013</b> , 269, 947-8	20.5	3

99	Increase in Creatinine for the Prediction of Contrast-induced Nephropathy. <i>Radiology</i> , <b>2013</b> , 269, 623-624	40.5	
98	Noninvasive approach to assess coronary artery stenoses and ischemia. <i>JAMA - Journal of the American Medical Association</i> , <b>2013</b> , 309, 233-4	27.4	1
97	Time efficiency and diagnostic accuracy of new automated myocardial perfusion analysis software in 320-row CT cardiac imaging. <i>Korean Journal of Radiology</i> , <b>2013</b> , 14, 21-9	6.9	8
96	Impact of article language in multi-language medical journals--a bibliometric analysis of self-citations and impact factor. <i>PLoS ONE</i> , <b>2013</b> , 8, e76816	3.7	20
95	High-field open versus short-bore magnetic resonance imaging of the spine: a randomized controlled comparison of image quality. <i>PLoS ONE</i> , <b>2013</b> , 8, e83427	3.7	9
94	Increase in creatinine for the prediction of contrast-induced nephropathy. <i>Radiology</i> , <b>2013</b> , 269, 623-4	20.5	
93	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> , <b>2012</b> , 81, 928-33	4.7	18
92	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> , <b>2012</b> , 59, 379-87	15.1	172
91	Fractional flow reserve estimation by coronary computed tomography angiography. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 1410-1; author reply 1411	15.1	7
90	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> , <b>2012</b> , 59, 1997-907	15.1	135
89	Indications, imaging technique, and reading of cardiac computed tomography: survey of clinical practice. <i>European Radiology</i> , <b>2012</b> , 22, 59-72	8	21
88	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> , <b>2012</b> , 22, 1641-50	8	29
87	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> , <b>2012</b> , 345, e6717	5.9	103
86	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. <i>BMJ, The</i> , <b>2012</b> , 344, e3485	5.9	148
85	The revised QUADAS-2 tool. <i>Annals of Internal Medicine</i> , <b>2012</b> , 156, 323; author reply 323-4	8	50
84	Sex ratio during medical studies and specialty training. <i>Deutsches A&amp;#x0308;rztblatt International</i> , <b>2012</b> , 109, 735; author reply 736	2.5	
83	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> , <b>2011</b> , 5, 370-81	2.8	69
82	Whole-heart coronary magnetic resonance angiography at 1.5 Tesla: does a blood-pool contrast agent improve diagnostic accuracy?. <i>Investigative Radiology</i> , <b>2011</b> , 46, 152-9	10.1	13



81	Influence of coronary artery disease prevalence on predictive values of coronary CT angiography: a meta-regression analysis. <i>European Radiology</i> , <b>2011</b> , 21, 1904-13	8	32
80	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> , <b>2011</b> , 131, 179-89	3.6	62
79	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> , <b>2011</b> , 35, 165-71	3.8	35
78	Reduction of claustrophobia during magnetic resonance imaging: methods and design of the "CLAUSTRO" randomized controlled trial. <i>BMC Medical Imaging</i> , <b>2011</b> , 11, 4	2.9	41
77	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> , <b>2011</b> , 34, 816-23	5.6	51
76	Radiation exposure to patients in a multicenter coronary angiography trial (CORE 64). <i>American Journal of Roentgenology</i> , <b>2011</b> , 196, 1126-32	5.4	27
75	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> , <b>2011</b> , 261, 100-8	20.5	103
74	Wake up and smell the PRISMA, Cochrane, and QUADAS statements. <i>Radiology</i> , <b>2011</b> , 261, 325-6; author reply 326-7	20.5	2
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