

Tim Leiner

List of Publications by Citations

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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.

258
papers

7,742
citations

44
h-index

78
g-index

285
ext. papers

9,744
ext. citations

5.5
avg, IF

6.2
L-index

#	Paper	IF	Citations
258	Generative Adversarial Networks for Noise Reduction in Low-Dose CT. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2536-2545	11.7	464
257	Diagnostic performance of noninvasive myocardial perfusion imaging using single-photon emission computed tomography, cardiac magnetic resonance, and positron emission tomography imaging for the detection of obstructive coronary artery disease: a meta-analysis. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1719-28	15.1	325
256	Iterative reconstruction techniques for computed tomography Part 1: technical principles. <i>European Radiology</i> , 2013 , 23, 1623-31	8	284
255	Accuracy of computed tomographic angiography and magnetic resonance angiography for diagnosing renal artery stenosis. <i>Annals of Internal Medicine</i> , 2004 , 141, 674-82; discussion 682	8	269
254	Diagnostic accuracy of stress myocardial perfusion imaging compared to invasive coronary angiography with fractional flow reserve meta-analysis. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	211
253	25 Years of Contrast-Enhanced MRI: Developments, Current Challenges and Future Perspectives. <i>Advances in Therapy</i> , 2016 , 33, 1-28	4.1	211
252	Myocardial injury after noncardiac surgery and its association with short-term mortality. <i>Circulation</i> , 2013 , 127, 2264-71	16.7	203
251	Iterative reconstruction techniques for computed tomography part 2: initial results in dose reduction and image quality. <i>European Radiology</i> , 2013 , 23, 1632-42	8	199
250	Peripheral arterial disease: meta-analysis of the diagnostic performance of MR angiography. <i>Radiology</i> , 2000 , 217, 105-14	20.5	184
249	Automatic coronary artery calcium scoring in cardiac CT angiography using paired convolutional neural networks. <i>Medical Image Analysis</i> , 2016 , 34, 123-136	15.4	156
248	Accuracy of gadofosveset-enhanced MRI for nodal staging and restaging in rectal cancer. <i>Annals of Surgery</i> , 2011 , 253, 539-45	7.8	120
247	State-of-the-Art Deep Learning in Cardiovascular Image Analysis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1549-1565	8.4	117
246	Accuracy of iodine quantification using dual energy CT in latest generation dual source and dual layer CT. <i>European Radiology</i> , 2017 , 27, 3904-3912	8	111
245	Deep learning analysis of the myocardium in coronary CT angiography for identification of patients with functionally significant coronary artery stenosis. <i>Medical Image Analysis</i> , 2018 , 44, 72-85	15.4	103
244	The extent of coronary atherosclerosis is associated with increasing circulating levels of high sensitive cardiac troponin T. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1269-75	9.4	102
243	Cardiac magnetic resonance imaging findings and the risk of cardiovascular events in patients with recent myocardial infarction or suspected or known coronary artery disease: a systematic review of prognostic studies. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1031-45	15.1	98
242	Three-dimensional contrast-enhanced moving-bed infusion-tracking (MoBI-track) peripheral MR angiography with flexible choice of imaging parameters for each field of view. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 11, 368-77	5.6	90

241	A Recurrent CNN for Automatic Detection and Classification of Coronary Artery Plaque and Stenosis in Coronary CT Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1588-1598	11.7	90
240	Chronic coumarin treatment is associated with increased extracoronary arterial calcification in humans. <i>Blood</i> , 2010 , 115, 5121-3	2.2	87
239	Peripheral arterial disease: comparison of color duplex US and contrast-enhanced MR angiography for diagnosis. <i>Radiology</i> , 2005 , 235, 699-708	20.5	81
238	Nephrogenic systemic fibrosis: review of 370 biopsy-confirmed cases. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 1206-16	8.4	77
237	Comparison of magnetic resonance with computed tomography angiography for preoperative localization of the Adamkiewicz artery in thoracoabdominal aortic aneurysm patients. <i>Journal of Vascular Surgery</i> , 2007 , 45, 677-85	3.5	77
236	Machine learning in cardiovascular magnetic resonance: basic concepts and applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 61	6.9	74
235	Diagnosis, imaging and clinical management of aortic coarctation. <i>Heart</i> , 2017 , 103, 1148-1155	5.1	73
234	Cardiac magnetic resonance findings predicting mortality in patients with pulmonary arterial hypertension: a systematic review and meta-analysis. <i>European Radiology</i> , 2016 , 26, 3771-3780	8	71
233	Coronary artery centerline extraction in cardiac CT angiography using a CNN-based orientation classifier. <i>Medical Image Analysis</i> , 2019 , 51, 46-60	15.4	69
232	Automatic Coronary Calcium Scoring in Non-Contrast-Enhanced ECG-Triggered Cardiac CT With Ambiguity Detection. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 1867-78	11.7	67
231	ConvNet-Based Localization of Anatomical Structures in 3-D Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 1470-1481	11.7	65
230	RF coils: A practical guide for nonphysicists. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 590	5.6	65
229	Gadobutrol-enhanced moving-table magnetic resonance angiography in patients with peripheral vascular disease: a prospective, multi-centre blinded comparison with digital subtraction angiography. <i>European Radiology</i> , 2003 , 13, 2103-14	8	65
228	Deep Learning for Automatic Calcium Scoring in CT: Validation Using Multiple Cardiac CT and Chest CT Protocols. <i>Radiology</i> , 2020 , 295, 66-79	20.5	64
227	Automated coronary artery calcification scoring in non-gated chest CT: agreement and reliability. <i>PLoS ONE</i> , 2014 , 9, e91239	3.7	60
226	Replacement and reactive myocardial fibrosis in idiopathic dilated cardiomyopathy: comparison of magnetic resonance imaging with right ventricular biopsy. <i>European Journal of Heart Failure</i> , 2010 , 12, 227-31	12.3	59
225	Spinal cord feeding arteries at MR angiography for thoracoscopic spinal surgery: feasibility study and implications for surgical approach. <i>Radiology</i> , 2004 , 233, 541-7	20.5	57
224	Coronary artery calcification scoring with state-of-the-art CT scanners from different vendors has substantial effect on risk classification. <i>Radiology</i> , 2014 , 273, 695-702	20.5	56

223	Contrast-enhanced peripheral MR angiography at 3.0 Tesla: initial experience with a whole-body scanner in healthy volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 609-14	5.6	56
222	Anatomical and Functional Computed Tomography for Diagnosing Hemodynamically Significant Coronary Artery Disease: A Meta-Analysis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1316-1325	8.4	55
221	The effect of iterative reconstruction on computed tomography assessment of emphysema, air trapping and airway dimensions. <i>European Radiology</i> , 2012 , 22, 2103-9	8	51
220	Magnetic resonance imaging in peripheral arterial disease: reproducibility of the assessment of morphological and functional vascular status. <i>Investigative Radiology</i> , 2011 , 46, 11-24	10.1	49
219	Magnetic resonance angiography of abdominal and lower extremity vasculature. <i>Topics in Magnetic Resonance Imaging</i> , 2005 , 16, 21-66	2.3	49
218	Deep learning analysis of left ventricular myocardium in CT angiographic intermediate-degree coronary stenosis improves the diagnostic accuracy for identification of functionally significant stenosis. <i>European Radiology</i> , 2019 , 29, 2350-2359	8	49
217	Image quality in coronary CT angiography: challenges and technical solutions. <i>British Journal of Radiology</i> , 2017 , 90, 20160567	3.4	48
216	Direct Automatic Coronary Calcium Scoring in Cardiac and Chest CT. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2127-2138	11.7	47
215	Sublingual Nitroglycerin Administration in Coronary Computed Tomography Angiography: a Systematic Review. <i>European Radiology</i> , 2015 , 25, 3536-42	8	46
214	Multimodality Imaging Assessment of Prosthetic Heart Valves. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e003703	3.9	44
213	Clinical implications of microvascular obstruction and intramyocardial haemorrhage in acute myocardial infarction using cardiovascular magnetic resonance imaging. <i>European Radiology</i> , 2010 , 20, 2572-8	8	44
212	SCMR Position Paper (2020) on clinical indications for cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 76	6.9	43
211	Achievable dose reduction using iterative reconstruction for chest computed tomography: A systematic review. <i>European Journal of Radiology</i> , 2015 , 84, 2307-13	4.7	41
210	Magnetic resonance imaging T1- and T2-mapping to assess renal structure and function: a systematic review and statement paper. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, ii41-ii50	4.3	41
209	Gadofosveset-enhanced magnetic resonance imaging of human carotid atherosclerotic plaques: a proof-of-concept study. <i>Investigative Radiology</i> , 2010 , 45, 275-81	10.1	41
208	An evaluation of automatic coronary artery calcium scoring methods with cardiac CT using the orCaScore framework. <i>Medical Physics</i> , 2016 , 43, 2361	4.4	40
207	Relation between brown adipose tissue and measures of obesity and metabolic dysfunction in patients with cardiovascular disease. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 497-504	5.6	39
206	Accuracy of bone mineral density quantification using dual-layer spectral detector CT: a phantom study. <i>European Radiology</i> , 2017 , 27, 4351-4359	8	39

205	Comparison of lipid-rich necrotic core size in symptomatic and asymptomatic carotid atherosclerotic plaque: Initial results. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 1356-61	5.6	39
204	Diameter measurements of the forearm cephalic vein prior to vascular access creation in end-stage renal disease patients: graduated pressure cuff versus tourniquet vessel dilatation. <i>Nephrology Dialysis Transplantation</i> , 2006 , 21, 802-6	4.3	38
203	Safety of contrast-enhanced MR angiography employing gadobutrol 1.0 M as contrast material. <i>European Radiology</i> , 2003 , 13, 2067-74	8	38
202	Use of a three-station phased array coil to improve peripheral contrast-enhanced magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 417-25	5.6	38
201	Quantification of coronary artery calcium in nongated CT to predict cardiovascular events in male lung cancer screening participants: results of the NELSON study. <i>Journal of Cardiovascular Computed Tomography</i> , 2015 , 9, 50-7	2.8	37
200	Atherosclerosis: contrast-enhanced MR imaging of vessel wall in rabbit model--comparison of gadofosveset and gadopentetate dimeglumine. <i>Radiology</i> , 2009 , 250, 682-91	20.5	37
199	Forearm cephalic vein cross-sectional area changes at incremental congestion pressures: towards a standardized and reproducible vein mapping protocol. <i>Journal of Vascular Surgery</i> , 2006 , 44, 353-8	3.5	37
198	Does the aortic annulus undergo conformational change throughout the cardiac cycle? A systematic review. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 1307-17	4.1	36
197	Dose reduction with iterative reconstruction for coronary CT angiography: a systematic review and meta-analysis. <i>British Journal of Radiology</i> , 2016 , 89, 20150068	3.4	36
196	Comparison of the prognostic value of negative non-invasive cardiac investigations in patients with suspected or known coronary artery disease-a meta-analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 980-987	4.1	35
195	Correction for heart rate variability improves coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 22, 577-82	5.6	35
194	Relation between cardiovascular disease risk factors and epicardial adipose tissue density on cardiac computed tomography in patients at high risk of cardiovascular events. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 660-670	3.9	34
193	Medical imaging techniques in the evaluation of strategies for therapeutic angiogenesis. <i>Current Pharmaceutical Design</i> , 2002 , 8, 1467-96	3.3	34
192	Finding the optimal dose reduction and iterative reconstruction level for coronary calcium scoring. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 69-75	2.8	33
191	The impact of CT radiation dose reduction and iterative reconstruction algorithms from four different vendors on coronary calcium scoring. <i>European Radiology</i> , 2014 , 24, 2201-12	8	32
190	An 8-channel Tx/Rx dipole array combined with 16 Rx loops for high-resolution functional cardiac imaging at 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018 , 31, 7-18	2.8	30
189	Comparison of treatment plans for peripheral arterial disease made with multi-station contrast medium-enhanced magnetic resonance angiography and duplex ultrasound scanning. <i>Journal of Vascular Surgery</i> , 2003 , 37, 1255-62	3.5	30
188	Automatic Coronary Calcium Scoring in Cardiac CT Angiography Using Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 589-596	0.9	30

187	Dilated Convolutional Neural Networks for Cardiovascular MR Segmentation in Congenital Heart Disease. <i>Lecture Notes in Computer Science</i> , 2017 , 95-102	0.9	29
186	The effect of iterative reconstruction on quantitative computed tomography assessment of coronary plaque composition. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 155-63	2.5	28
185	Computed tomography radiation dose reduction: effect of different iterative reconstruction algorithms on image quality. <i>Journal of Computer Assisted Tomography</i> , 2014 , 38, 815-23	2.2	28
184	Comparison of single-sequence T1w TFE MRI with multisequence MRI for the quantification of lipid-rich necrotic core in atherosclerotic plaque. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 1347-55	5.6	27
183	Comparison of contrast-enhanced magnetic resonance angiography and digital subtraction angiography in patients with chronic critical ischemia and tissue loss. <i>Investigative Radiology</i> , 2004 , 39, 435-44	10.1	27
182	Automatic Coronary Artery Calcium Scoring on Radiotherapy Planning CT Scans of Breast Cancer Patients: Reproducibility and Association with Traditional Cardiovascular Risk Factors. <i>PLoS ONE</i> , 2016 , 11, e0167925	3.7	27
181	The effects of computed tomography with iterative reconstruction on solid pulmonary nodule volume quantification. <i>PLoS ONE</i> , 2013 , 8, e58053	3.7	26
180	Contrast agent concentration optimization in CTA using low tube voltage and dual-energy CT in multiple vendors: a phantom study. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 1265-1275	2.5	25
179	The impact of a new model-based iterative reconstruction algorithm on prosthetic heart valve related artifacts at reduced radiation dose MDCT. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 785-93	2.5	25
178	Inhibition of the renin-angiotensin system affects kidney tissue oxygenation evaluated by magnetic resonance imaging in patients with chronic kidney disease. <i>Journal of Clinical Hypertension</i> , 2014 , 16, 214-8	2.3	25
177	A novel iterative reconstruction algorithm allows reduced dose multidetector-row CT imaging of mechanical prosthetic heart valves. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28, 1567-75	2.5	25
176	Relation of Epicardial Adipose Tissue Radiodensity to Coronary Artery Calcium on Cardiac Computed Tomography in Patients at High Risk for Cardiovascular Disease. <i>American Journal of Cardiology</i> , 2017 , 119, 1359-1365	3	24
175	Subtractionless first-pass single contrast medium dose peripheral MR angiography using two-point Dixon fat suppression. <i>European Radiology</i> , 2013 , 23, 2228-35	8	24
174	Comprehensive MR evaluation of renal disease: added clinical value of quantified renal perfusion values over single MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 125-33	5.6	24
173	Tricuspid flow and regurgitation in congenital heart disease and pulmonary hypertension: comparison of 4D flow cardiovascular magnetic resonance and echocardiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 5	6.9	23
172	Hybrid and model-based iterative reconstruction techniques for pediatric CT. <i>American Journal of Roentgenology</i> , 2015 , 204, 645-53	5.4	23
171	Machine Learning for Assessment of Coronary Artery Disease in Cardiac CT: A Survey. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 172	5.4	23
170	Iterative reconstruction does not substantially delay CT imaging in an emergency setting. <i>Insights Into Imaging</i> , 2013 , 4, 391-7	5.6	22

169	Deep Learning-Based Regression and Classification for Automatic Landmark Localization in Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 4011-4022	11.7	22
168	Artificial Intelligence Will Transform Cardiac Imaging-Opportunities and Challenges. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 133	5.4	21
167	Automatic determination of cardiovascular risk by CT attenuation correction maps in Rb-82 PET/CT. <i>Journal of Nuclear Cardiology</i> , 2018 , 25, 2133-2142	2.1	21
166	3D black blood VISTA vessel wall cardiovascular magnetic resonance of the thoracic aorta wall in young, healthy adults: reproducibility and implications for efficacy trial sample sizes: a cross-sectional study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 20	6.9	21
165	Emphysema quantification using chest CT: influence of radiation dose reduction and reconstruction technique. <i>European Radiology Experimental</i> , 2018 , 2, 30	4.5	21
164	Automatic Segmentation and Disease Classification Using Cardiac Cine MR Images. <i>Lecture Notes in Computer Science</i> , 2018 , 101-110	0.9	20
163	Submillisievert coronary calcium quantification using model-based iterative reconstruction: A within-patient analysis. <i>European Journal of Radiology</i> , 2016 , 85, 2152-2159	4.7	20
162	Dose reduction for coronary calcium scoring with hybrid and model-based iterative reconstruction: an ex vivo study. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1125-33	2.5	19
161	Detection of coronary plaques using MR coronary vessel wall imaging: validation of findings with intravascular ultrasound. <i>European Radiology</i> , 2013 , 23, 115-24	8	19
160	Visualization of coronary wall atherosclerosis in asymptomatic subjects and patients with coronary artery disease using magnetic resonance imaging. <i>PLoS ONE</i> , 2010 , 5, e12998	3.7	19
159	Optimized pharmacokinetic modeling for the detection of perfusion differences in skeletal muscle with DCE-MRI: effect of contrast agent size. <i>Medical Physics</i> , 2010 , 37, 5746-55	4.4	19
158	Effects of renal denervation on end organ damage in hypertensive patients. <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 558-67	3.9	18
157	Transcatheter aortic valve replacement: postoperative CT findings of Sapien and CoreValve transcatheter heart valves. <i>Radiographics</i> , 2014 , 34, 1517-36	5.4	18
156	Accuracy of semiautomated analysis of 3D contrast-enhanced magnetic resonance angiography for detection and quantification of aortoiliac stenoses. <i>Investigative Radiology</i> , 2005 , 40, 495-503	10.1	18
155	Deep Learning Analysis of Coronary Arteries in Cardiac CT Angiography for Detection of Patients Requiring Invasive Coronary Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 1545-1557	11.7	18
154	Prognostic Value of Coronary Computed Tomography Angiography in Patients With Diabetes: A Meta-analysis. <i>Diabetes Care</i> , 2016 , 39, 1274-80	14.6	17
153	Reliability and agreement of adipose tissue fat fraction measurements with water-fat MRI in patients with manifest cardiovascular disease. <i>NMR in Biomedicine</i> , 2016 , 29, 48-56	4.4	17
152	Effect of radiation dose reduction and iterative reconstruction on computer-aided detection of pulmonary nodules: Intra-individual comparison. <i>European Journal of Radiology</i> , 2016 , 85, 346-51	4.7	17

151	Pressure overloaded right ventricles: a multicenter study on the importance of trabeculae in RV function measured by CMR. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 599-608	2.5	17
150	MR angiography of collateral arteries in a hind limb ischemia model: comparison between blood pool agent Gadomer and small contrast agent Gd-DTPA. <i>PLoS ONE</i> , 2011 , 6, e16159	3.7	17
149	Consensus-based technical recommendations for clinical translation of renal T1 and T2 mapping MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020 , 33, 163-176	2.8	17
148	An international survey on AI in radiology in 1,041 radiologists and radiology residents part 1: fear of replacement, knowledge, and attitude. <i>European Radiology</i> , 2021 , 31, 7058-7066	8	17
147	Dose of CT protocols acquired in clinical routine using a dual-layer detector CT scanner: A preliminary report. <i>European Journal of Radiology</i> , 2019 , 112, 65-71	4.7	16
146	Artifact reduction strategies for prosthetic heart valve CT imaging. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28, 2099-108	2.5	16
145	Need for background suppression in contrast-enhanced peripheral magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 14, 724-33	5.6	16
144	Graph Convolutional Networks for Coronary Artery Segmentation in Cardiac CT Angiography. <i>Lecture Notes in Computer Science</i> , 2019 , 62-69	0.9	16
143	Cardiac valve calcifications on low-dose unenhanced ungated chest computed tomography: inter-observer and inter-examination reliability, agreement and variability. <i>European Radiology</i> , 2014 , 24, 1557-64	8	15
142	The impact of dose reduction on the quantification of coronary artery calcifications and risk categorization: A systematic review. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 352-363	2.8	15
141	Feasibility and accuracy of dual-layer spectral detector computed tomography for quantification of gadolinium: a phantom study. <i>European Radiology</i> , 2017 , 27, 3677-3686	8	14
140	The interdependence between cardiovascular calcifications in different arterial beds and vascular risk factors in patients at high cardiovascular risk. <i>Atherosclerosis</i> , 2015 , 238, 140-6	3.1	14
139	Radiation dose reduction for CT assessment of urolithiasis using iterative reconstruction: A prospective intra-individual study. <i>European Radiology</i> , 2018 , 28, 143-150	8	14
138	Advanced cardiac MRI techniques for evaluation of left-sided valvular heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 318-329	5.6	14
137	Xenotransplantation of Human Cardiomyocyte Progenitor Cells Does Not Improve Cardiac Function in a Porcine Model of Chronic Ischemic Heart Failure. Results from a Randomized, Blinded, Placebo Controlled Trial. <i>PLoS ONE</i> , 2015 , 10, e0143953	3.7	14
136	Coronary calcium scores are systematically underestimated at a large chest size: A multivendor phantom study. <i>Journal of Cardiovascular Computed Tomography</i> , 2015 , 9, 415-21	2.8	13
135	Advances in cardiac magnetic resonance imaging of congenital heart disease. <i>Pediatric Radiology</i> , 2015 , 45, 5-19	2.8	13
134	Magnetic resonance angiographic assessment of upper extremity vessels prior to vascular access surgery: feasibility and accuracy. <i>European Radiology</i> , 2008 , 18, 158-67	8	13

133	Multicenter phase-II trial of safety and efficacy of NC100150 for steady-state contrast-enhanced peripheral magnetic resonance angiography. <i>European Radiology</i> , 2003 , 13, 1620-7	8	13
132	Endogenous assessment of diffuse myocardial fibrosis in patients with T -mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 132-138	5.6	12
131	Prognostic value of heart valve calcifications for cardiovascular events in a lung cancer screening population. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 1243-9	2.5	12
130	Influence of dose reduction and iterative reconstruction on CT calcium scores: a multi-manufacturer dynamic phantom study. <i>International Journal of Cardiovascular Imaging</i> , 2017 , 33, 899-914	2.5	11
129	Quantification of abdominal aortic aneurysm wall enhancement with dynamic contrast-enhanced MRI: feasibility, reproducibility, and initial experience. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1449-56	5.6	11
128	Dynamic contrast-enhanced MRI assessment of hyperemic fractional microvascular blood plasma volume in peripheral arterial disease: initial findings. <i>PLoS ONE</i> , 2012 , 7, e37756	3.7	11
127	Machine learning in cardiovascular radiology: ESCR position statement on design requirements, quality assessment, current applications, opportunities, and challenges. <i>European Radiology</i> , 2021 , 31, 3909-3922	8	11
126	Coronary calcium scoring with partial volume correction in anthropomorphic thorax phantom and screening chest CT images. <i>PLoS ONE</i> , 2018 , 13, e0209318	3.7	11
125	Influence of heart rate on coronary calcium scores: a multi-manufacturer phantom study. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 959-966	2.5	10
124	Ultra low-dose chest ct with iterative reconstructions as an alternative to conventional chest x-ray prior to heart surgery (CRICKET study): Rationale and design of a multicenter randomized trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 242-5	2.8	10
123	Effect of computed tomography before cardiac surgery on surgical strategy, mortality and stroke. <i>European Journal of Radiology</i> , 2016 , 85, 744-50	4.7	10
122	Iterative reconstruction improves evaluation of native aortic and mitral valves by retrospectively ECG-gated thoracoabdominal CTA. <i>European Radiology</i> , 2013 , 23, 968-74	8	10
121	Suitability of pharmacokinetic models for dynamic contrast-enhanced MRI of abdominal aortic aneurysm vessel wall: a comparison. <i>PLoS ONE</i> , 2013 , 8, e75173	3.7	10
120	Advances in contrast-enhanced MR angiography of the renal arteries. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2008 , 16, 561-72, vii	1.6	10
119	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1177-1183	4.1	10
118	Reference Values for Cardiac and Aortic Magnetic Resonance Imaging in Healthy, Young Caucasian Adults. <i>PLoS ONE</i> , 2016 , 11, e0164480	3.7	10
117	Cardiovascular surveillance in breast cancer treatment: A more individualized approach is needed. <i>Maturitas</i> , 2016 , 89, 58-62	5	10
116	High ratios of kidney function to kidney size are related to mortality and kidney function decline in high-risk patients. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 926-933	3.9	9

115	PET Molecular Targets and Near-Infrared Fluorescence Imaging of Atherosclerosis. <i>Current Cardiology Reports</i> , 2018 , 20, 11	4.2	9
114	Long-term results of balloon angioplasty for native coarctation of the aorta in childhood in comparison with surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 262-268	3	9
113	Effect of New Cerebral Ischemic Lesions on the Delirium Occurrence After Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1489-1490	15.1	9
112	Diagnosis of abdominal aortic hypoplasia by state-of-the-art MR angiography. <i>Pediatric Radiology</i> , 2006 , 36, 57-60	2.8	9
111	MRI of arterial flow reserve in patients with intermittent claudication: feasibility and initial experience. <i>PLoS ONE</i> , 2012 , 7, e31514	3.7	9
110	Data mining information from electronic health records produced high yield and accuracy for current smoking status. <i>Journal of Clinical Epidemiology</i> , 2020 , 118, 100-106	5.7	9
109	Comparison of multi-delay FAIR and pCASL labeling approaches for renal perfusion quantification at 3T MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020 , 33, 81-94	2.8	9
108	Three-dimensional and four-dimensional flow assessment in congenital heart disease. <i>Heart</i> , 2020 , 106, 421-426	5.1	9
107	Deep learning from dual-energy information for whole-heart segmentation in dual-energy and single-energy non-contrast-enhanced cardiac CT. <i>Medical Physics</i> , 2020 , 47, 5048-5060	4.4	9
106	Single Breath-Hold T1 Mapping of the Heart for Endogenous Assessment of Myocardial Fibrosis. <i>Investigative Radiology</i> , 2016 , 51, 505-12	10.1	9
105	Improving the diagnosis of peripheral arterial disease in below-the-knee arteries by adding time-resolved CT scan series to conventional run-off CT angiography. First experience with a 256-slice CT scanner. <i>European Journal of Radiology</i> , 2019 , 110, 136-141	4.7	9
104	Unexpected Cardiac Computed Tomography Findings in Patients With Postoperative Myocardial Injury. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1462-1468	3.9	9
103	First Report of IgG4 Related Disease Primary Presenting as Vertebral Bone Marrow Lesions. <i>Frontiers in Immunology</i> , 2019 , 10, 1910	8.4	8
102	7T renal MRI: challenges and promises. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016 , 29, 417-33	2.8	8
101	Pulmonary Nodule Volumetry at Different Low Computed Tomography Radiation Dose Levels With Hybrid and Model-Based Iterative Reconstruction: A Within Patient Analysis. <i>Journal of Computer Assisted Tomography</i> , 2016 , 40, 578-83	2.2	8
100	Subjective cognitive decline, brain imaging biomarkers, and cognitive functioning in patients with a history of vascular disease: the SMART-Medea study. <i>Neurobiology of Aging</i> , 2019 , 84, 33-40	5.6	8
99	Diagnostic Performance of On-Site Coronary CT Angiography-derived Fractional Flow Reserve Based on Patient-specific Lumped Parameter Models. <i>Radiology: Cardiothoracic Imaging</i> , 2019 , 1, e190036	8.3	8
98	A systematic comparison of cardiovascular magnetic resonance and high resolution histological fibrosis quantification in a chronic porcine infarct model. <i>International Journal of Cardiovascular Imaging</i> , 2017 , 33, 1797-1807	2.5	8

97	AI-Based Reconstruction for Fast MRI: A Systematic Review and Meta-Analysis. <i>Proceedings of the IEEE</i> , 2022 , 110, 224-245	14.3	8
96	Time-efficient black blood RCA wall imaging at 3T using improved motion sensitized driven equilibrium (iMSDE): feasibility and reproducibility. <i>PLoS ONE</i> , 2011 , 6, e26567	3.7	8
95	Bringing AI to the clinic: blueprint for a vendor-neutral AI deployment infrastructure. <i>Insights Into Imaging</i> , 2021 , 12, 11	5.6	8
94	Influence of iterative reconstruction on coronary calcium scores at multiple heart rates: a multivendor phantom study on state-of-the-art CT systems. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 947-957	2.5	7
93	Extracellular vesicle protein CD14 relates to common carotid intima-media thickness in eight-year-old children. <i>Atherosclerosis</i> , 2014 , 236, 270-6	3.1	7
92	Magnetic resonance imaging-based monitoring of collateral artery development in patients with intermittent claudication during supervised exercise therapy. <i>Journal of Vascular Surgery</i> , 2013 , 58, 1236-43	3.5	7
91	Innovative Perspective: Gadolinium-Free Magnetic Resonance Imaging in Long-Term Follow-Up after Kidney Transplantation. <i>Frontiers in Physiology</i> , 2017 , 8, 296	4.6	7
90	Feasibility and reproducibility of free fatty acid profiling in abdominal adipose tissue with ¹ H-magnetic resonance spectroscopy at 3 T: differences between lean and obese individuals. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 423-31	5.6	7
89	Equilibrium-phase high spatial resolution contrast-enhanced MR angiography at 1.5T in preoperative imaging for perforator flap breast reconstruction. <i>PLoS ONE</i> , 2013 , 8, e71286	3.7	7
88	Fast 3D isotropic imaging of the aortic vessel wall by application of 2D spatially selective excitation and a new way of inversion recovery for black blood imaging. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 547-55	4.4	7
87	Multiparametric Renal MRI: An Intrasubject Test-Retest Repeatability Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 859-873	5.6	7
86	Circulating levels of P-selectin and E-selectin relate to cardiovascular magnetic resonance-derived aortic characteristics in young adults from the general population, a cross-sectional study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 54	6.9	7
85	Complications After Stent Placement for Aortic Coarctation: A Pictorial Essay of Computed Tomographic Angiography. <i>Journal of Thoracic Imaging</i> , 2017 , 32, W69-W80	5.6	6
84	Discovery of biomarkers for the presence and progression of left ventricular diastolic dysfunction and HEart faiLure with Preserved ejection Fraction in patients at risk for cardiovascular disease: rationale and design of the HELPFul case-cohort study in a Dutch cardiology outpatient clinic. <i>BMJ Open</i> , 2019 , 9, e028488	3	6
83	Main pulmonary artery area limits exercise capacity in patients long-term after arterial switch operation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 918-25	1.5	6
82	Improving myocardium segmentation in cardiac CT angiography using spectral information 2019 ,		6
81	RV adaptation to increased afterload in congenital heart disease and pulmonary hypertension. <i>PLoS ONE</i> , 2018 , 13, e0205196	3.7	6
80	Identification of Risk of Cardiovascular Disease by Automatic Quantification of Coronary Artery Calcifications on Radiotherapy Planning CT Scans in Patients With Breast Cancer. <i>JAMA Oncology</i> , 2021 , 7, 1024-1032	13.4	6

79	Renal artery and parenchymal changes after renal denervation: assessment by magnetic resonance angiography. <i>European Radiology</i> , 2017 , 27, 3934-3941	8	5
78	Design of CTP-PRO study (impact of stress Cardiac computed Tomography myocardial Perfusion on downstream resources and PROgnosis in patients with suspected or known coronary artery disease: A multicenter international study). <i>International Journal of Cardiology</i> , 2019 , 292, 253-257	3.2	5
77	Deep Learning for Detection of Myocardial Scar Tissue: Goodbye to Gadolinium?. <i>Radiology</i> , 2019 , 291, 618-619	20.5	5
76	Pulmonary function and CT biomarkers as risk factors for cardiovascular events in male lung cancer screening participants: the NELSON study. <i>European Radiology</i> , 2015 , 25, 65-71	8	5
75	Frequency of abnormal findings on routine chest radiography before cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 2035-2040	1.5	5
74	Sex, body mass index, and blood pressure are related to aortic characteristics in healthy, young adults using magnetic resonance vessel wall imaging: the AMBITYON study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018 , 31, 173-182	2.8	5
73	Functional MRI in peripheral arterial disease: arterial peak flow versus ankle-brachial index. <i>PLoS ONE</i> , 2014 , 9, e88471	3.7	5
72	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	5
71	An international survey on AI in radiology in 1041 radiologists and radiology residents part 2: expectations, hurdles to implementation, and education. <i>European Radiology</i> , 2021 , 31, 8797-8806	8	5
70	Generative Adversarial Networks: A Primer for Radiologists. <i>Radiographics</i> , 2021 , 41, 840-857	5.4	5
69	Pulmonary Embolism After Endovascular Aortic Repair, a Retrospective Cohort Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019 , 57, 304-310	2.3	5
68	Modified dixon-based renal dynamic contrast-enhanced MRI facilitates automated registration and perfusion analysis. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 66-76	4.4	5
67	Relation between Kidney Length and Cardiovascular and Renal Risk in High-Risk Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017 , 12, 921-928	6.9	4
66	Application of speCtraL computed tomogrAphy to impRove specifcicity of cardiac compuTed tomographY (CLARITY study): rationale and design. <i>BMJ Open</i> , 2019 , 9, e025793	3	4
65	Arterioventricular interaction after coarctation repair. <i>American Heart Journal</i> , 2018 , 201, 49-53	4.9	4
64	Cardiac CT Imaging of Plaque Vulnerability: Hype or Hope?. <i>Current Cardiology Reports</i> , 2016 , 18, 37	4.2	4
63	Radiation dose reduction in pediatric great vessel stent computed tomography using iterative reconstruction: A phantom study. <i>PLoS ONE</i> , 2017 , 12, e0175714	3.7	4
62	Functional cardiac CT-Going beyond Anatomical Evaluation of Coronary Artery Disease with Cine CT, CT-FFR, CT Perfusion and Machine Learning. <i>British Journal of Radiology</i> , 2020 , 93, 20200349	3.4	4

61	Recommendations for Imaging Patients With Cardiac Implantable Electronic Devices (CIEDs). <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1311-1317	5.6	4
60	Fully automated quantification method (FQM) of coronary calcium in an anthropomorphic phantom. <i>Medical Physics</i> , 2021 , 48, 3730-3740	4.4	4
59	Routinely measured hematological parameters and prediction of recurrent vascular events in patients with clinically manifest vascular disease. <i>PLoS ONE</i> , 2018 , 13, e0202682	3.7	4
58	Current status of renal artery magnetic resonance imaging: theoretical and practical considerations and the potential role of blood-pool contrast agents. <i>European Radiology</i> , 2007 , 17 Suppl 2, B13-7	8	4
57	Aortic Valve and Thoracic Aortic Calcification Measurements: How Low Can We Go in Radiation Dose?. <i>Journal of Computer Assisted Tomography</i> , 2017 , 41, 148-155	2.2	3
56	Cardiovascular Diseases 2019 , 167-185		3
55	Multifocal cardiovascular calcification in patients with established cardiovascular disease; prevalence, risk factors, and relation with recurrent cardiovascular disease. <i>IJC Heart and Vasculature</i> , 2020 , 27, 100499	2.4	3
54	Commonly available hematological biomarkers are associated with the extent of coronary calcifications. <i>Atherosclerosis</i> , 2018 , 275, 166-173	3.1	3
53	Automated multiscale vessel analysis for the quantification of MR angiography of peripheral arteriogenesis. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 379-86	5.6	3
52	Pro: sympathetic renal denervation in hypertension and in chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1120-3	4.3	3
51	Forearm venous distensibility measurements with ultrasound techniques are poorly reproducible. <i>American Journal of Kidney Diseases</i> , 2007 , 49, 347	7.4	3
50	Images in cardiovascular medicine. Myocardial bridging. <i>Circulation</i> , 2006 , 113, e390-1	16.7	3
49	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. <i>Cardiovascular Research</i> , 2022 ,	9.9	3
48	The Association Between Marital Status, Coronary Computed Tomography Imaging Biomarkers, and Mortality in a Lung Cancer Screening Population. <i>Journal of Thoracic Imaging</i> , 2020 , 35, 204-209	5.6	3
47	Added value of cardiovascular calcifications for prediction of recurrent cardiovascular events and cardiovascular interventions in patients with established cardiovascular disease. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 2051-2061	2.5	3
46	Risk Factors for Recurrent Cardiovascular Events Before Age 65 Years or Within 2.5 Years of a Recent First Cardiovascular Event. <i>American Journal of Cardiology</i> , 2017 , 120, 167-173	3	2
45	Quantification of Mitral Valve Regurgitation from 4D Flow MRI Using Semiautomated Flow Tracking. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200004	8.3	2
44	Gadolinium Enhancement of the Aneurysm Wall in Extracranial Carotid Artery Aneurysms. <i>American Journal of Neuroradiology</i> , 2020 , 41, 501-507	4.4	2

43	Gender and age-specific focus needed for cardiovascular outcome measures to improve life-time prevention in high risk women. <i>Maturitas</i> , 2016 , 86, 74-6	5	2
42	Re: Angiographic demonstration of neoangiogenesis after intra-arterial infusion of autologous bone marrow mononuclear cells in diabetic patients with critical limb ischemia. <i>Cell Transplantation</i> , 2012 , 21, 1803-4	4	2
41	Techniques of dynamic subtraction contrast-enhanced MR angiography. <i>Radiographics</i> , 2000 , 20, 1113-4	5.4	2
40	Proton Pump Inhibition for Secondary Hemochromatosis in Hereditary Anemia, a Phase III Placebo Controlled Randomized Cross-over Trial in Progress. <i>Blood</i> , 2019 , 134, 960-960	2.2	2
39	Evaluating a calcium-aware kernel for CT CAC scoring with varying surrounding materials and heart rates: a dynamic phantom study. <i>European Radiology</i> , 2021 , 31, 9211-9220	8	2
38	Sex-Specific Aspects in the Pathophysiology and Imaging of Coronary Macro- and Microvascular Disease. <i>Journal of Cardiovascular Translational Research</i> , 2020 , 13, 39-46	3.3	2
37	Computed tomography image quality of aortic stents in patients with aortic coarctation: a multicentre evaluation. <i>European Radiology Experimental</i> , 2018 , 2, 17	4.5	2
36	Rationale and Design of the Groningen Intervention Study for the Preservation of Cardiac Function with Sodium Thiosulfate after ST-segment Elevation Myocardial Infarction (GIPS-IV) trial. <i>American Heart Journal</i> , 2022 , 243, 167-176	4.9	2
35	Ex Vivo Pilot Study of Cardiac Magnetic Resonance Velocity Mapping for Quantification of Aortic Regurgitation in a Porcine Model in the Presence of a Transcatheter Heart Valve. <i>Journal of Cardiovascular Translational Research</i> , 2019 , 12, 310-320	3.3	1
34	Preserved Myocardial Deformation after Successful Coarctation Repair: A CMR Feature-Tracking Study. <i>Pediatric Cardiology</i> , 2018 , 39, 555-564	2.1	1
33	Coronary artery assessment on electrocardiogram-gated thoracoabdominal multidetector computed tomographic angiography for aortic evaluation. <i>Journal of Computer Assisted Tomography</i> , 2014 , 38, 185-9	2.2	1
32	Dual energy CT to reveal pseudo leakage of frozen elephant trunk. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 240-241	2.8	1
31	RANK(L)-ing biomarkers as surrogates for coronary calcium score. <i>Thrombosis and Haemostasis</i> , 2012 , 107, 3	7	1
30	Prospectively ECG-triggered 256-slice computed tomography findings in a patient with dextrocardia, stent-treated coarctation, and infracardial right-sided pulmonary vein deviation. <i>European Heart Journal</i> , 2011 , 32, 1213	9.5	1
29	Abdominal MR Angiography with blood pool agents. <i>European Radiology, Supplement</i> , 2008 , 18, 13-19		1
28	Four-dimensional flow CMR in tetralogy of fallot: current perspectives.. <i>British Journal of Radiology</i> , 2022 , 20210298	3.4	1
27	Ultra-high resolution, 3-dimensional magnetic resonance imaging of the atherosclerotic vessel wall at clinical 7T. <i>PLoS ONE</i> , 2020 , 15, e0241779	3.7	1
26	Overview of imaging in adult- and childhood-onset Takayasu arteritis. <i>Journal of Rheumatology</i> , 2021 ,	4.1	1

25	Noninvasive Angiography of Peripheral Arteries. <i>IDKD Springer Series</i> , 2019 , 223-238	1.1	1
24	Decreased native renal T up to one week after gadobutrol administration in healthy volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 622-631	5.6	1
23	Cardiovascular imaging of women and men visiting the outpatient clinic with chest pain or discomfort: design and rationale of the ARGUS Study. <i>BMJ Open</i> , 2020 , 10, e040712	3	1
22	Assessment of Coronary Artery Calcium on Low-Dose Coronary Computed Tomography Angiography With Iterative Reconstruction. <i>Journal of Computer Assisted Tomography</i> , 2016 , 40, 266-71	2.2	1
21	Fractional Flow Reserve: Patient Selection and Perspectives.. <i>Vascular Health and Risk Management</i> , 2021 , 17, 817-831	4.4	1
20	Safety and feasibility study of non-invasive robot-assisted high-intensity focused ultrasound therapy for the treatment of atherosclerotic plaques in the femoral artery: protocol for a pilot study.. <i>BMJ Open</i> , 2022 , 12, e058418	3	1
19	Radiomics in Cardiac MRI: Sisyphean Struggle or Close to the Summit of Olympus?. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200244	8.3	0
18	Echocardiography and MRI parameters associated with exercise capacity in patients after the arterial switch operation. <i>Journal of Cardiology</i> , 2020 , 76, 280-286	3	0
17	Quantitative analysis of metal artifact reduction in total hip arthroplasty using virtual monochromatic imaging and orthopedic metal artifact reduction, a phantom study. <i>Insights Into Imaging</i> , 2021 , 12, 171	5.6	0
16	Coronary Artery Calcification as a Marker for Coronary Artery Stenosis: Comparing Kidney Failure to the General Population. <i>Kidney Medicine</i> , 2021 , 3, 386-394.e1	2.8	0
15	Feature-tracking cardiac magnetic resonance of the right ventricle: Effect of field strength, resolution and imaging sequence. <i>European Journal of Radiology</i> , 2021 , 138, 109671	4.7	0
14	Incremental improvement of diagnostic performance of coronary CT angiography for the assessment of coronary stenosis in the presence of calcium using a dual-layer spectral detector CT: validation by invasive coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 2561-2570	2.5	0
13	Novel Z Scores to Correct Biases Due to Ventricular Volume Indexing to Body Surface Area in Adolescents and Young Adults. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 417-424	3.8	0
12	Long-Term Morbidity and Health After Early Menopause Due to Oophorectomy in Women at Increased Risk of Ovarian Cancer: Protocol for a Nationwide Cross-Sectional Study With Prospective Follow-Up (HARMOny Study). <i>JMIR Research Protocols</i> , 2021 , 10, e24414	2	0
11	Coronary Artery Calcium Scoring: Toward a New Standard. <i>Investigative Radiology</i> , 2022 , 57, 13-22	10.1	0
10	Individual treatment effect estimation in the presence of unobserved confounding using proxies: a cohort study in stage III non-small cell lung cancer.. <i>Scientific Reports</i> , 2022 , 12, 5848	4.9	0
9	Detecting coronary plaque vulnerability using computed tomography radiomics: the one stop shop for plaque vulnerability?. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1248-1249	4.1	
8	Whole-Body MR Angiography: Assessing the Global Burden of Cardiovascular Disease. <i>Radiology</i> , 2018 , 287, 805-807	20.5	

- 7 Beeldvorming van de thorax bij rokers in de eerste lijn?. *Bijblijven (Amsterdam, Netherlands)*, **2016**, 32, 252-259 0.2
- 6 Reply: prognostic role of CMR imaging after myocardial infarction. *Journal of the American College of Cardiology*, **2014**, 64, 2070 15.1
- 5 Do carotid MR surface coils affect PET quantification in PET/MR imaging?. *EJNMMI Physics*, **2015**, 2, A34 4.4
- 4 Diagnostic performance and clinical implications for enhancing a hybrid quantitative flow ratio-FFR revascularization decision-making strategy. *Scientific Reports*, **2021**, 11, 6425 4.9
- 3 Validation of multiparametric MRI by histopathology after nephrectomy: a case study. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2021**, 34, 377-387 2.8
- 2 Clinically Significant Incidental Findings on CT Imaging During TAVI Work-up: A Systematic Review and Meta-Analysis.. *Journal of Invasive Cardiology*, **2022**, 34, E218-E225 0.7
- 1 Confirmatory factor analysis including MRI-derived adipose tissues quantification improves associations of metabolic dysregulation to diastolic dysfunction.. *Journal of Diabetes and Its Complications*, **2022**, 36, 108202 3.2