

Tim Leiner

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.

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	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
257	Four-dimensional flow CMR in tetralogy of fallot: current perspectives.. <i>British Journal of Radiology</i> , 2022 , 20210298	3.4	1
256	AI-Based Reconstruction for Fast MRI: Systematic Review and Meta-Analysis. <i>Proceedings of the IEEE</i> , 2022 , 110, 224-245	14.3	8
255	Coronary Artery Calcium Scoring: Toward a New Standard. <i>Investigative Radiology</i> , 2022 , 57, 13-22	10.1	0
254	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
253	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
252	Clinically Significant Incidental Findings on CT Imaging During TAVI Work-up: A Systematic Review and Meta-Analysis.. <i>Journal of Invasive Cardiology</i> , 2022 , 34, E218-E225	0.7	
251	Confirmatory factor analysis including MRI-derived adipose tissues quantification improves associations of metabolic dysregulation to diastolic dysfunction.. <i>Journal of Diabetes and Its Complications</i> , 2022 , 36, 108202	3.2	
250	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
249	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
248	Overview of imaging in adult- and childhood-onset Takayasu arteritis. <i>Journal of Rheumatology</i> , 2021 ,	4.1	1
247	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	5
246	Recommendations for Imaging Patients With Cardiac Implantable Electronic Devices (CIEDs). <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1311-1317	5.6	4
245	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
244	Diagnostic performance and clinical implications for enhancing a hybrid quantitative flow ratio-FFR revascularization decision-making strategy. <i>Scientific Reports</i> , 2021 , 11, 6425	4.9	
243	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
242	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

241	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
240	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
239	Generative Adversarial Networks: A Primer for Radiologists. <i>Radiographics</i> , 2021 , 41, 840-857	5.4	5
238	Fully automated quantification method (FQM) of coronary calcium in an anthropomorphic phantom. <i>Medical Physics</i> , 2021 , 48, 3730-3740	4.4	4
237	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, 2561-2572	2.5	0
236	Multiparametric Renal MRI: An Intrasubject Test-Retest Repeatability Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 859-873	5.6	7
235	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
234	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
233	Validation of multiparametric MRI by histopathology after nephrectomy: a case study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021 , 34, 377-387	2.8	
232	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
231	Bringing AI to the clinic: blueprint for a vendor-neutral AI deployment infrastructure. <i>Insights Into Imaging</i> , 2021 , 12, 11	5.6	8
230	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
229	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
228	Fractional Flow Reserve: Patient Selection and Perspectives.. <i>Vascular Health and Risk Management</i> , 2021 , 17, 817-831	4.4	1
227	Radiomics in Cardiac MRI: Sisyphean Struggle or Close to the Summit of Olympus?. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200244	8.3	0
226	Quantification of Mitral Valve Regurgitation from 4D Flow MRI Using Semiautomated Flow Tracking. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200004	8.3	2
225	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
224	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

223	Gadolinium Enhancement of the Aneurysm Wall in Extracranial Carotid Artery Aneurysms. <i>American Journal of Neuroradiology</i> , 2020 , 41, 501-507	4.4	2
222	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
221	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
220	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
219	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
218	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
217	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
216	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
215	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
214	Three-dimensional and four-dimensional flow assessment in congenital heart disease. <i>Heart</i> , 2020 , 106, 421-426	5.1	9
213	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
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	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
210	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
209	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
208	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
207	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
206	First Report of IgG4 Related Disease Primary Presenting as Vertebral Bone Marrow Lesions. <i>Frontiers in Immunology</i> , 2019 , 10, 1910	8.4	8

205	Artificial Intelligence Will Transform Cardiac Imaging-Opportunities and Challenges. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 133	5.4	21
204	Cardiovascular Diseases 2019 , 167-185		3
203	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
202	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
201	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, e028408	3	6
200	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	
199	Deep Learning for Detection of Myocardial Scar Tissue: Goodbye to Gadolinium?. <i>Radiology</i> , 2019 , 291, 618-619	20.5	5
198	Application of speCtraL computed tomogrAphy to impRove specificity of cardiac compuTed tomographY (CLARITY study): rationale and design. <i>BMJ Open</i> , 2019 , 9, e025793	3	4
197	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
196	Direct Automatic Coronary Calcium Scoring in Cardiac and Chest CT. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2127-2138	11.7	47
195	State-of-the-Art Deep Learning in Cardiovascular Image Analysis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1549-1565	8.4	117
194	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
193	Machine learning in cardiovascular magnetic resonance: basic concepts and applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 61	6.9	74
192	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
191	Improving myocardium segmentation in cardiac CT angiography using spectral information 2019 ,		6
190	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
189	Noninvasive Angiography of Peripheral Arteries. <i>IDKD Springer Series</i> , 2019 , 223-238	1.1	1
188	Graph Convolutional Networks for Coronary Artery Segmentation in Cardiac CT Angiography. <i>Lecture Notes in Computer Science</i> , 2019 , 62-69	0.9	16

187	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
186	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
185	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
184	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
183	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
182	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
181	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
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	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
178	Arterioventricular interaction after coarctation repair. <i>American Heart Journal</i> , 2018 , 201, 49-53	4.9	4
177	PET Molecular Targets and Near-Infrared Fluorescence Imaging of Atherosclerosis. <i>Current Cardiology Reports</i> , 2018 , 20, 11	4.2	9
176	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
175	Preserved Myocardial Deformation after Successful Coarctation Repair: A CMR Feature-Tracking Study. <i>Pediatric Cardiology</i> , 2018 , 39, 555-564	2.1	1
174	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
173	Whole-Body MR Angiography: Assessing the Global Burden of Cardiovascular Disease. <i>Radiology</i> , 2018 , 287, 805-807	20.5	
172	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
171	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
170	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

169	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
168	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
167	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
166	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
165	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
164	RF coils: A practical guide for nonphysicists. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 590	5.6	65
163	Commonly available hematological biomarkers are associated with the extent of coronary calcifications. <i>Atherosclerosis</i> , 2018 , 275, 166-173	3.1	3
162	Automatic Segmentation and Disease Classification Using Cardiac Cine MR Images. <i>Lecture Notes in Computer Science</i> , 2018 , 101-110	0.9	20
161	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
160	Unexpected Cardiac Computed Tomography Findings in Patients With Postoperative Myocardial Injury. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1462-1468	3.9	9
159	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
158	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
157	Emphysema quantification using chest CT: influence of radiation dose reduction and reconstruction technique. <i>European Radiology Experimental</i> , 2018 , 2, 30	4.5	21
156	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
155	RV adaptation to increased afterload in congenital heart disease and pulmonary hypertension. <i>PLoS ONE</i> , 2018 , 13, e0205196	3.7	6
154	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
153	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
152	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

151	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
150	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
149	Image quality in coronary CT angiography: challenges and technical solutions. <i>British Journal of Radiology</i> , 2017 , 90, 20160567	3.4	48
148	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
147	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
146	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
145	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
144	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
143	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
142	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
141	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
140	Generative Adversarial Networks for Noise Reduction in Low-Dose CT. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2536-2545	11.7	464
139	Renal artery and parenchymal changes after renal denervation: assessment by magnetic resonance angiography. <i>European Radiology</i> , 2017 , 27, 3934-3941	8	5
138	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
137	Diagnosis, imaging and clinical management of aortic coarctation. <i>Heart</i> , 2017 , 103, 1148-1155	5.1	73
136	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
135	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
134	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

133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	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
125	Beeldvorming van de thorax bij rokers in de eerste lijn?. <i>Bijblijven (Amsterdam, Netherlands)</i> , 2016 , 32, 252-259	0.2	
124	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
123	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
122	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
121	7T renal MRI: challenges and promises. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016 , 29, 417-33	2.8	8
120	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
119	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
118	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
117	25 Years of Contrast-Enhanced MRI: Developments, Current Challenges and Future Perspectives. <i>Advances in Therapy</i> , 2016 , 33, 1-28	4.1	211
116	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

115	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
114	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
113	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
112	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
111	Cardiac CT Imaging of Plaque Vulnerability: Hype or Hope?. <i>Current Cardiology Reports</i> , 2016 , 18, 37	4.2	4
110	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
109	Reference Values for Cardiac and Aortic Magnetic Resonance Imaging in Healthy, Young Caucasian Adults. <i>PLoS ONE</i> , 2016 , 11, e0164480	3.7	10
108	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
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