Henk A Marquering

List of Publications by Citations

229 papers	**10,315** citations	**41** h-index	**98** g-index
250 ext. papers	**13,023** ext. citations	**5.6** avg, IF	**5.62** L-index

#	Paper	IF	Citations
229	A randomized trial of intraarterial treatment for acute ischemic stroke. *New England Journal of Medicine*, **2015**, 372, 11-20	59.2	4104
228	Platelet transfusion versus standard care after acute stroke due to spontaneous cerebral haemorrhage associated with antiplatelet therapy (PATCH): a randomised, open-label, phase 3 trial. *Lancet, The*, **2016**, 387, 2605-2613	40	427
227	Losartan reduces aortic dilatation rate in adults with Marfan syndrome: a randomized controlled trial. *European Heart Journal*, **2013**, 34, 3491-500	9.5	254
226	Three-dimensional sensitivity kernels for finite-frequency traveltimes: the banana-doughnut paradox. *Geophysical Journal International*, **1999**, 137, 805-815	2.6	223
225	Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data. *Lancet Neurology, The*, **2018**, 17, 895-904	24.1	179
224	Time to Reperfusion and Treatment Effect for Acute Ischemic Stroke: A Randomized Clinical Trial. *JAMA Neurology*, **2016**, 73, 190-6	17.2	164
223	Collateral Status on Baseline Computed Tomographic Angiography and Intra-Arterial Treatment Effect in Patients With Proximal Anterior Circulation Stroke. *Stroke*, **2016**, 47, 768-76	6.7	158
222	Penumbral imaging and functional outcome in patients with anterior circulation ischaemic stroke treated with endovascular thrombectomy versus medical therapy: a meta-analysis of individual patient-level data. *Lancet Neurology, The*, **2019**, 18, 46-55	24.1	156
221	Effect of general anaesthesia on functional outcome in patients with anterior circulation ischaemic stroke having endovascular thrombectomy versus standard care: a meta-analysis of individual patient data. *Lancet Neurology, The*, **2018**, 17, 47-53	24.1	138
220	Three-dimensional waveform sensitivity kernels. *Geophysical Journal International*, **1998**, 132, 521-534	2.6	114
219	Volumetric arterial wall shear stress calculation based on cine phase contrast MRI. *Journal of Magnetic Resonance Imaging*, **2015**, 41, 505-16	5.6	104
218	Analyses of thrombi in acute ischemic stroke: A consensus statement on current knowledge and future directions. *International Journal of Stroke*, **2017**, 12, 606-614	6.3	101
217	Value of Computed Tomographic Perfusion-Based Patient Selection for Intra-Arterial Acute Ischemic Stroke Treatment. *Stroke*, **2015**, 46, 3375-82	6.7	81
216	Reply:. *American Journal of Neuroradiology*, **2012**, 33, E15-E15	4.4	78
215	Surface-wave mode coupling for efficient forward modelling and inversion of body-wave phases. *Geophysical Journal International*, **1995**, 120, 186-208	2.6	78
214	Shear-wave velocity structure beneath Europe, the northeastern Atlantic and western Asia from waveform inversions including surface-wave mode coupling. *Geophysical Journal International*, **1996**, 127, 283-304	2.6	78
213	Effect of baseline Alberta Stroke Program Early CT Score on safety and efficacy of intra-arterial treatment: a subgroup analysis of a randomised phase 3 trial (MR CLEAN). *Lancet Neurology, The*, **2016**, 15, 685-694	24.1	78

212	Thrombus Permeability Is Associated With Improved Functional Outcome and Recanalization in Patients With Ischemic Stroke. *Stroke*, **2016**, 47, 732-41	6.7	76
211	A decrease in blood pressure is associated with unfavorable outcome in patients undergoing thrombectomy under general anesthesia. *Journal of NeuroInterventional Surgery*, **2018**, 10, 107-111	7.8	74
210	Baseline Blood Pressure Effect on the Benefit and Safety of Intra-Arterial Treatment in MR CLEAN (Multicenter Randomized Clinical Trial of Endovascular Treatment of Acute Ischemic Stroke in the Netherlands). *Stroke*, **2017**, 48, 1869-1876	6.7	72
209	Complex flow patterns in a real-size intracranial aneurysm phantom: phase contrast MRI compared with particle image velocimetry and computational fluid dynamics. *NMR in Biomedicine*, **2012**, 25, 14-26	4.4	67
208	Automated cerebral infarct volume measurement in follow-up noncontrast CT scans of patients with acute ischemic stroke. *American Journal of Neuroradiology*, **2013**, 34, 1522-7	4.4	67
207	Intra-arterial treatment of patients with acute ischemic stroke and internal carotid artery occlusion: a literature review. *Journal of NeuroInterventional Surgery*, **2015**, 7, 8-15	7.8	63
206	Thresholds for Arterial Wall Inflammation Quantified by F-FDG PET Imaging: Implications for Vascular Interventional Studies. *JACC: Cardiovascular Imaging*, **2016**, 9, 1198-1207	8.4	63
205	EXOSC3 mutations in pontocerebellar hypoplasia type 1: novel mutations and genotype-phenotype correlations. *Orphanet Journal of Rare Diseases*, **2014**, 9, 23	4.2	60
204	Generalized versus patient-specific inflow boundary conditions in computational fluid dynamics simulations of cerebral aneurysmal hemodynamics. *American Journal of Neuroradiology*, **2014**, 35, 1543-8	4.4	60
203	Association of Reperfusion With Brain Edema in Patients With Acute Ischemic Stroke: A Secondary Analysis of the MR CLEAN Trial. *JAMA Neurology*, **2018**, 75, 453-461	17.2	57
202	Prevalence of Carotid Web in Patients with Acute Intracranial Stroke Due to Intracranial Large Vessel Occlusion. *Radiology*, **2018**, 286, 1000-1007	20.5	57
201	Increased aortic tortuosity indicates a more severe aortic phenotype in adults with Marfan syndrome. *International Journal of Cardiology*, **2015**, 194, 7-12	3.2	54
200	Association of follow-up infarct volume with functional outcome in acute ischemic stroke: a pooled analysis of seven randomized trials. *Journal of NeuroInterventional Surgery*, **2018**, 10, 1137-1142	7.8	54
199	Deep learning for automatic Gleason pattern classification for grade group determination of prostate biopsies. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2019**, 475, 77-83	5.1	53
198	Permeable Thrombi Are Associated With Higher Intravenous Recombinant Tissue-Type Plasminogen Activator Treatment Success in Patients With Acute Ischemic Stroke. *Stroke*, **2016**, 47, 2058-65	6.7	51
197	Waveform inversions and the significance of surface-wave mode coupling. *Geophysical Journal International*, **1996**, 124, 258-278	2.6	51
196	Wall shear stress estimated with phase contrast MRI in an in vitro and in vivo intracranial aneurysm. *Journal of Magnetic Resonance Imaging*, **2013**, 38, 876-84	5.6	49
195	Predicting Outcome of Endovascular Treatment for Acute Ischemic Stroke: Potential Value of Machine Learning Algorithms. *Frontiers in Neurology*, **2018**, 9, 784	4.1	49

194	Wall shear stress calculations based on 3D cine phase contrast MRI and computational fluid dynamics: a comparison study in healthy carotid arteries. *NMR in Biomedicine*, **2014**, 27, 826-34	4.4	48
193	Thrombus Imaging Characteristics and Outcomes in Acute Ischemic Stroke Patients Undergoing Endovascular Treatment. *Stroke*, **2019**, 50, 2057-2064	6.7	46
192	Effect of Interhospital Transfer on Endovascular Treatment for Acute Ischemic Stroke. *Stroke*, **2019**, 50, 923-930	6.7	44
191	Rupture-associated changes of cerebral aneurysm geometry: high-resolution 3D imaging before and after rupture. *American Journal of Neuroradiology*, **2014**, 35, 1358-62	4.4	44
190	Carotid pseudo-occlusion on CTA in patients with acute ischemic stroke: a concerning observation. *Clinical Neurology and Neurosurgery*, **2013**, 115, 1591-4	2	42
189	Differences in CT perfusion summary maps for patients with acute ischemic stroke generated by 2 software packages. *American Journal of Neuroradiology*, **2012**, 33, 2074-80	4.4	41
188	Mediation of the Relationship Between Endovascular Therapy and Functional Outcome by Follow-up Infarct Volume in Patients With Acute Ischemic Stroke. *JAMA Neurology*, **2019**, 76, 194-202	17.2	41
187	Thrombus Migration Paradox in Patients With Acute Ischemic Stroke. *Stroke*, **2019**, 50, 3156-3163	6.7	40
186	Collateral Circulation and Outcome in Atherosclerotic Versus Cardioembolic Cerebral Large Vessel Occlusion. *Stroke*, **2019**, 50, 3360-3368	6.7	40
185	Functional Imaging of the Foot with Perfusion Angiography in Critical Limb Ischemia. *CardioVascular and Interventional Radiology*, **2016**, 39, 183-9	2.7	38
184	3D cine phase-contrast MRI at 3T in intracranial aneurysms compared with patient-specific computational fluid dynamics. *American Journal of Neuroradiology*, **2013**, 34, 1785-91	4.4	38
183	Volumetric and Spatial Accuracy of Computed Tomography Perfusion Estimated Ischemic Core Volume in Patients With Acute Ischemic Stroke. *Stroke*, **2018**, 49, 2368-2375	6.7	38
182	Associations of Ischemic Lesion Volume With Functional Outcome in Patients With Acute Ischemic Stroke: 24-Hour Versus 1-Week Imaging. *Stroke*, **2017**, 48, 1233-1240	6.7	37
181	Intracranial aneurysm neck size overestimation with 3D rotational angiography: the impact on intra-aneurysmal hemodynamics simulated with computational fluid dynamics. *American Journal of Neuroradiology*, **2013**, 34, 121-8	4.4	37
180	Towards quantitative analysis of coronary CTA. *International Journal of Cardiovascular Imaging*, **2005**, 21, 73-84	2.5	37
179	Early deterioration after thrombolysis plus aspirin in acute stroke: a post hoc analysis of the Antiplatelet Therapy in Combination with Recombinant t-PA Thrombolysis in Ischemic Stroke trial. *Stroke*, **2014**, 45, 3080-2	6.7	36
178	Automatic quantification of subarachnoid hemorrhage on noncontrast CT. *American Journal of Neuroradiology*, **2014**, 35, 2279-86	4.4	35
177	Perfusion angiography of the foot in patients with critical limb ischemia: description of the technique. *CardioVascular and Interventional Radiology*, **2015**, 38, 201-5	2.7	34

176   Clot Burden Score on Baseline Computerized Tomographic Angiography and Intra-Arterial Treatment Effect in Acute Ischemic Stroke. *Stroke*, **2016**, 47, 2972-2978   6.7   33

175   Measuring Wall Shear Stress Using Velocity-Encoded MRI. *Current Cardiovascular Imaging Reports*, **2014**, 7, 1   0.7   32

174   Hemorrhagic transformation is associated with poor functional outcome in patients with acute ischemic stroke due to a large vessel occlusion. *Journal of NeuroInterventional Surgery*, **2019**, 11, 464-468   7.8   32

173   Comparison of three commonly used CT perfusion software packages in patients with acute ischemic stroke. *Journal of NeuroInterventional Surgery*, **2019**, 11, 1249-1256   7.8   31

172   Collateral status and tissue outcome after intra-arterial therapy for patients with acute ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 3589-3598   7.3   31

171   National Institutes of Health Stroke Scale: An Alternative Primary Outcome Measure for Trials of Acute Treatment for Ischemic Stroke. *Stroke*, **2020**, 51, 282-290   6.7   31

170   Association of Computed Tomography Ischemic Lesion Location With Functional Outcome in Acute Large Vessel Occlusion Ischemic Stroke. *Stroke*, **2017**, 48, 2426-2433   6.7   30

169   The Effect of Spatial and Temporal Resolution of Cine Phase Contrast MRI on Wall Shear Stress and Oscillatory Shear Index Assessment. *PLoS ONE*, **2016**, 11, e0163316   3.7   30

168   Arterial and Cellular Inflammation in Patients with CKD. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 1278-1285   12.7   29

167   Data-efficient deep learning of radiological image data for outcome prediction after endovascular treatment of patients with acute ischemic stroke. *Computers in Biology and Medicine*, **2019**, 115, 103516   7   28

166   Endovascular treatment in patients with carotid artery dissection and intracranial occlusion: a systematic review. *Neuroradiology*, **2017**, 59, 641-647   3.2   28

165   Prediction of final infarct volume from native CT perfusion and treatment parameters using deep learning. *Medical Image Analysis*, **2020**, 59, 101589   15.4   28

164   Associations Between Collateral Status and Thrombus Characteristics and Their Impact in Anterior Circulation Stroke. *Stroke*, **2018**, 49, 391-396   6.7   27

163   Head movement during CT brain perfusion acquisition of patients with suspected acute ischemic stroke. *European Journal of Radiology*, **2013**, 82, 2334-41   4.7   27

162   Diffraction effects upon finite-frequency travel times: A simple 2-D example. *Geophysical Research Letters*, **1998**, 25, 1983-1986   4.9   27

161   Machine learning improves prediction of delayed cerebral ischemia in patients with subarachnoid hemorrhage. *Journal of NeuroInterventional Surgery*, **2019**, 11, 497-502   7.8   27

160   Radiological scales predicting delayed cerebral ischemia in subarachnoid hemorrhage: systematic review and meta-analysis. *Neuroradiology*, **2019**, 61, 247-256   3.2   26

159   Value of Quantitative Collateral Scoring on CT Angiography in Patients with Acute Ischemic Stroke. *American Journal of Neuroradiology*, **2018**, 39, 1074-1082   4.4   25

158	Automatic segmentation of the aortic root in CT angiography of candidate patients for transcatheter aortic valve implantation. *Medical and Biological Engineering and Computing*, **2014**, 52, 611-8	3.1	25
157	Additional Value of Intra-Aneurysmal Hemodynamics in Discriminating Ruptured versus Unruptured Intracranial Aneurysms. *American Journal of Neuroradiology*, **2015**, 36, 1920-6	4.4	24
156	Value of Thrombus CT Characteristics in Patients with Acute Ischemic Stroke. *American Journal of Neuroradiology*, **2017**, 38, 1758-1764	4.4	24
155	Impact of single phase CT angiography collateral status on functional outcome over time: results from the MR CLEAN Registry. *Journal of NeuroInterventional Surgery*, **2019**, 11, 866-873	7.8	24
154	Operator Versus Core Lab Adjudication of Reperfusion After Endovascular Treatment of Acute Ischemic Stroke. *Stroke*, **2018**, 49, 2376-2382	6.7	24
153	Biomechanical Imaging Markers as Predictors of Abdominal Aortic Aneurysm Growth or Rupture: A Systematic Review. *European Journal of Vascular and Endovascular Surgery*, **2016**, 52, 475-486	2.3	23
152	Observer variability of absolute and relative thrombus density measurements in patients with acute ischemic stroke. *Neuroradiology*, **2016**, 58, 133-9	3.2	23
151	Automatic aortic root landmark detection in CTA images for preprocedural planning of transcatheter aortic valve implantation. *International Journal of Cardiovascular Imaging*, **2016**, 32, 501-11	2.5	23
150	Characteristics of Misclassified CT Perfusion Ischemic Core in Patients with Acute Ischemic Stroke. *PLoS ONE*, **2015**, 10, e0141571	3.7	23
149	Extracranial Carotid Disease and Effect of Intra-arterial Treatment in Patients With Proximal Anterior Circulation Stroke in MR CLEAN. *Annals of Internal Medicine*, **2017**, 166, 867-875	8	21
148	Trials for Treatment of Acute Ischemic Stroke. *Frontiers in Neurology*, **2020**, 11, 558125	4.1	21
147	Stroke Etiology and Thrombus Computed Tomography Characteristics in Patients With Acute Ischemic Stroke: A MR CLEAN Registry Substudy. *Stroke*, **2020**, 51, 1727-1735	6.7	20
146	Insufficient slow-flow suppression mimicking aneurysm wall enhancement in magnetic resonance vessel wall imaging: a phantom study. *Neurosurgical Focus*, **2019**, 47, E19	4.2	20
145	Hemodynamic Differences in Intracranial Aneurysms before and after Rupture. *American Journal of Neuroradiology*, **2015**, 36, 1927-33	4.4	19
144	The relation of carotid calcium volume with carotid artery stenosis in symptomatic patients. *American Journal of Neuroradiology*, **2011**, 32, 1182-7	4.4	19
143	Intracerebral Haemorrhage Segmentation in Non-Contrast CT. *Scientific Reports*, **2019**, 9, 17858	4.9	19
142	Impact of Ischemic Lesion Location on the mRS Score in Patients with Ischemic Stroke: A Voxel-Based Approach. *American Journal of Neuroradiology*, **2018**, 39, 1989-1994	4.4	19
141	Automated brain computed tomographic densitometry of early ischemic changes in acute stroke. *Journal of Medical Imaging*, **2015**, 2, 014004	2.6	18

140	Semi-automatic quantitative measurements of intracranial internal carotid artery stenosis and calcification using CT angiography. *Neuroradiology*, **2012**, 54, 919-27	3.2	18
139	Effect of extended CT perfusion acquisition time on ischemic core and penumbra volume estimation in patients with acute ischemic stroke due to a large vessel occlusion. *PLoS ONE*, **2015**, 10, e0119409	3.7	18
138	Accuracy of CT Angiography for Differentiating Pseudo-Occlusion from True Occlusion or High-Grade Stenosis of the Extracranial ICA in Acute Ischemic Stroke: A Retrospective MR CLEAN Substudy. *American Journal of Neuroradiology*, **2018**, 39, 892-898	4.4	16
137	Histopathology: ditch the slides, because digital and 3D are on show. *World Journal of Urology*, **2018**, 36, 549-555	4	16
136	Performance of semiautomatic assessment of carotid artery stenosis on CT angiography: clarification of differences with manual assessment. *American Journal of Neuroradiology*, **2012**, 33, 747-54	4.4	16
135	A morphology based deep learning model for atrial fibrillation detection using single cycle electrocardiographic samples. *International Journal of Cardiology*, **2020**, 316, 130-136	3.2	16
134	Endovascular treatment in older adults with acute ischemic stroke in the MR CLEAN Registry. *Neurology*, **2020**, 95, e131-e139	6.5	15
133	Comparison of CTA- and DSA-Based Collateral Flow Assessment in Patients with Anterior Circulation Stroke. *American Journal of Neuroradiology*, **2016**, 37, 2037-2042	4.4	15
132	k-t BLAST and SENSE accelerated time-resolved three-dimensional phase contrast MRI in an intracranial aneurysm. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2013**, 26, 261-70	2.8	15
131	Vessel wall enhancement of intracranial aneurysms: fact or artifact?. *Neurosurgical Focus*, **2019**, 47, E18	4.2	15
130	Automatic segmentation of cerebral infarcts in follow-up computed tomography images with convolutional neural networks. *Journal of NeuroInterventional Surgery*, **2020**, 12, 848-852	7.8	15
129	Value of machine learning in predicting TAVI outcomes. *Netherlands Heart Journal*, **2019**, 27, 443-450	2.2	14
128	Added value of multiphase CTA imaging for thrombus perviousness assessment. *Neuroradiology*, **2018**, 60, 71-79	3.2	14
127	3D movement correction of CT brain perfusion image data of patients with acute ischemic stroke. *Neuroradiology*, **2014**, 56, 445-52	3.2	14
126	Development and validation of intracranial thrombus segmentation on CT angiography in patients with acute ischemic stroke. *PLoS ONE*, **2014**, 9, e101985	3.7	14
125	Strategies for managing multi-patient 3D mass spectrometry imaging data. *Journal of Proteomics*, **2019**, 193, 184-191	3.9	14
124	Intracranial aneurysm growth: consistency of morphological changes. *Neurosurgical Focus*, **2019**, 47, E5	4.2	13
123	Automatic detection of CT perfusion datasets unsuitable for analysis due to head movement of acute ischemic stroke patients. *Journal of Healthcare Engineering*, **2014**, 5, 67-78	3.7	13

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122	Aortic valve calcification as a predictor of location and severity of paravalvular regurgitation after transcatheter aortic valve implantation. *Interactive Cardiovascular and Thoracic Surgery*, **2015**, 20, 345-50 [1.8]		12
121	Follow-up infarct volume as a mediator of endovascular treatment effect on functional outcome in ischaemic stroke. *European Radiology*, **2019**, 29, 736-744	8	12
120	Association of Automatically Quantified Total Blood Volume after Aneurysmal Subarachnoid Hemorrhage with Delayed Cerebral Ischemia. *American Journal of Neuroradiology*, **2016**, 37, 1588-93	4.4	12
119	Clinical and Imaging Determinants of Collateral Status in Patients With Acute Ischemic Stroke in MR CLEAN Trial and Registry. *Stroke*, **2020**, 51, 1493-1502	6.7	12
118	Aneurysmal Parent Artery-Specific Inflow Conditions for Complete and Incomplete Circle of Willis Configurations. *American Journal of Neuroradiology*, **2018**, 39, 910-915	4.4	11
117	Imaging for approach selection of TAVI: assessment of the aorto-iliac tract diameter by computed tomography-angiography versus projection angiography. *International Journal of Cardiovascular Imaging*, **2014**, 30, 399-405	2.5	11
116	Aortic Disease in Patients with Marfan Syndrome: Aortic Volume Assessment for Surveillance. *Radiology*, **2013**, 269, 370-377	20.5	11
115	Automated Detection and Grading of Non-Muscle-Invasive Urothelial Cell Carcinoma of the Bladder. *American Journal of Pathology*, **2020**, 190, 1483-1490	5.8	10
114	Clinical and Imaging Markers Associated With Hemorrhagic Transformation in Patients With Acute Ischemic Stroke. *Stroke*, **2019**, 50, 2037-2043	6.7	10
113	Intracranial carotid artery disease in patients with recent neurological symptoms: high prevalence on CTA. *Neuroradiology*, **2013**, 55, 179-85	3.2	10
112	Automated Entire Thrombus Density Measurements for Robust and Comprehensive Thrombus Characterization in Patients with Acute Ischemic Stroke. *PLoS ONE*, **2016**, 11, e0145641	3.7	10
111	Three-dimensional histopathological reconstruction of bladder tumours. *Diagnostic Pathology*, **2019**, 14, 25	3	9
110	Diagnostic Accuracy of 4 Commercially Available Semiautomatic Packages for Carotid Artery Stenosis Measurement on CTA. *American Journal of Neuroradiology*, **2015**, 36, 1978-87	4.4	9
109	The effect of head movement on CT perfusion summary maps: simulations with CT hybrid phantom data. *Medical and Biological Engineering and Computing*, **2014**, 52, 141-7	3.1	9
108	Absence of Cortical Vein Opacification Is Associated with Lack of Intra-arterial Therapy Benefit in Stroke. *Radiology*, **2018**, 286, 643-650	20.5	9
107	Estimation of microvascular perfusion after esophagectomy: a quantitative model of dynamic fluorescence imaging. *Medical and Biological Engineering and Computing*, **2019**, 57, 1889-1900	3.1	8
106	Multiscale flow patterns within an intracranial aneurysm phantom. *IEEE Transactions on Biomedical Engineering*, **2011**, 58, 3447-50	5	8
105	Coronary CT angiography: IVUS image fusion for quantitative plaque and stenosis analyses **2008**,		8

104	Comparing Morphology and Hemodynamics of Stable-versus-Growing and Grown Intracranial Aneurysms. *American Journal of Neuroradiology*, **2019**, 40, 2102-2110	4.4	8
103	PATCH trial: explanatory analyses. *Blood*, **2020**, 135, 1406-1409	2.2	8
102	The first virtual patient-specific thrombectomy procedure. *Journal of Biomechanics*, **2021**, 126, 110622	2.9	8
101	Multiscale 3-D + T intracranial aneurysmal flow vortex detection. *IEEE Transactions on Biomedical Engineering*, **2015**, 62, 1355-62	5	7
100	Accuracy of noninvasive coronary stenosis quantification of different commercially available dedicated software packages. *Journal of Computer Assisted Tomography*, **2009**, 33, 505-12	2.2	7
99	Dynamics of the aortic annulus in 4D CT angiography for transcatheter aortic valve implantation patients. *PLoS ONE*, **2017**, 12, e0184133	3.7	7
98	Aortic disease in patients with Marfan syndrome: aortic volume assessment for surveillance. *Radiology*, **2013**, 269, 370-7	20.5	7
97	Computer versus cardiologist: Is a machine learning algorithm able to outperform an expert in diagnosing a phospholamban p.Arg14del mutation on the electrocardiogram?. *Heart Rhythm*, **2021**, 18, 79-87	6.7	7
96	Toward Automated Bladder Tumor Stratification Using Confocal Laser Endomicroscopy. *Journal of Endourology*, **2019**, 33, 930-937	2.7	6
95	Automated segmentation of subarachnoid hemorrhages with convolutional neural networks. *Informatics in Medicine Unlocked*, **2020**, 19, 100321	5.3	6
94	Solutions for Mitigating Cybersecurity Risks Caused by Legacy Software in Medical Devices: A Scoping Review. *IEEE Access*, **2020**, 8, 84352-84361	3.5	6
93	Automated determination of optimal angiographic viewing angles for coronary artery bifurcations from CTA data **2008**,		6
92	Predicting Poor Outcome Before Endovascular Treatment in Patients With Acute Ischemic Stroke. *Frontiers in Neurology*, **2020**, 11, 580957	4.1	6
91	Improving electrocardiogram-based detection of rare genetic heart disease using transfer learning: An application to phospholamban p.Arg14del mutation carriers. *Computers in Biology and Medicine*, **2021**, 131, 104262	7	6
90	Healthy Life-Year Costs of Treatment Speed From Arrival to Endovascular Thrombectomy in Patients With Ischemic Stroke: A Meta-analysis of Individual Patient Data From 7 Randomized Clinical Trials. *JAMA Neurology*, **2021**, 78, 709-717	17.2	6
89	Assessment of Recurrent Stroke Risk in Patients With a Carotid Web. *JAMA Neurology*, **2021**, 78, 826-833	17.2	6
88	A break-glass protocol based on ciphertext-policy attribute-based encryption to access medical records in the cloud. *Annales Des Telecommunications/Annals of Telecommunications*, **2020**, 75, 103-119	2	5
87	Association of Quantified Location-Specific Blood Volumes with Delayed Cerebral Ischemia after Aneurysmal Subarachnoid Hemorrhage. *American Journal of Neuroradiology*, **2018**, 39, 1059-1064	4.4	5

86	Three-dimensional rotational angiography of the foot in critical limb ischemia: a new dimension in revascularization strategy. *CardioVascular and Interventional Radiology*, **2013**, 36, 797-802	2.7	5
85	Cancer detection in mass spectrometry imaging data by dilated convolutional neural networks **2019**,		5
84	From perviousness to permeability, modelling and measuring intra-thrombus flow in acute ischemic stroke. *Journal of Biomechanics*, **2020**, 111, 110001	2.9	5
83	Dynamic CT perfusion image data compression for efficient parallel processing. *Medical and Biological Engineering and Computing*, **2016**, 54, 463-73	3.1	4
82	Topographic distribution of cerebral infarct probability in patients with acute ischemic stroke: mapping of intra-arterial treatment effect. *Journal of NeuroInterventional Surgery*, **2017**, 9, 431-436	7.8	4
81	Predicting Delayed Cerebral Ischemia with Quantified Aneurysmal Subarachnoid Blood Volume. *World Neurosurgery*, **2019**, 130, e613-e619	2.1	4
80	Quantitative Collateral Grading on CT Angiography in Patients with Acute Ischemic Stroke. *Lecture Notes in Computer Science*, **2017**, 176-184	0.9	4
79	Deep Learning-based Recurrence Prediction in Patients with Non-muscle-invasive Bladder Cancer. *European Urology Focus*, **2020**,	5.1	4
78	Predicting mortality of individual patients with COVID-19: a multicentre Dutch cohort. *BMJ Open*, **2021**, 11, e047347	3	4
77	Prediction of Stroke Infarct Growth Rates by Baseline Perfusion Imaging. *Stroke*, **2021**, STROKEAHA12103444	0.7	4
76	Automatic initialization algorithm for carotid artery segmentation in CTA images. *Lecture Notes in Computer Science*, **2005**, 8, 846-53	0.9	4
75	Non-contrast enhanced navigator-gated balanced steady state free precession magnetic resonance angiography as a preferred magnetic resonance technique for assessment of the thoracic aorta. *Clinical Radiology*, **2017**, 72, 695.e1-695.e6	2.9	3
74	A computed tomography-based planning tool for predicting difficulty of minimally invasive aortic valve replacement. *Interactive Cardiovascular and Thoracic Surgery*, **2018**, 27, 505-511	1.8	3
73	Ruptured middle cerebral artery aneurysms with a concomitant intraparenchymal hematoma: the role of hematoma volume. *Neuroradiology*, **2018**, 60, 335-342	3.2	3
72	Model-based measurements of the diameter of the internal carotid artery in CT angiography images. *Medical Physics*, **2010**, 37, 5711-27	4.4	3
71	Automated Ventricular System Segmentation in CT Images of Deformed Brains Due to Ischemic and Subarachnoid Hemorrhagic Stroke. *Lecture Notes in Computer Science*, **2017**, 149-157	0.9	3
70	A Convolutional Neural Network for Anterior Intra-Arterial Thrombus Detection and Segmentation on Non-Contrast Computed Tomography of Patients with Acute Ischemic Stroke. *Applied Sciences (Switzerland)*, **2020**, 10, 4861	2.6	3
69	Modelling the leptomeningeal collateral circulation during acute ischaemic stroke. *Medical Engineering and Physics*, **2021**, 91, 1-11	2.4	3

68	Detection of Large Vessel Occlusion Stroke in the Prehospital Setting: Electroencephalography as a Potential Triage Instrument. *Stroke*, **2021**, 52, e347-e355	6.7	3
67	An isolated beating pig heart platform for a comprehensive evaluation of intracardiac blood flow with 4D flow MRI: a feasibility study. *European Radiology Experimental*, **2019**, 3, 40	4.5	3
66	Accuracy of "At Risk" Tissue Predictions Using CT Perfusion in Acute Large Vessel Occlusions. *Journal of Neuroimaging*, **2019**, 29, 371-375	2.8	3
65	qTICI: Quantitative assessment of brain tissue reperfusion on digital subtraction angiograms of acute ischemic stroke patients. *International Journal of Stroke*, **2021**, 16, 207-216	6.3	3
64	Comparison of non-triggered magnetic resonance imaging and echocardiography for the assessment of left atrial volume and morphology. *Cardiovascular Ultrasound*, **2018**, 16, 17	2.4	3
63	Endovascular Treatment Effect Diminishes With Increasing Thrombus Perviousness: Pooled Data From 7 Trials on Acute Ischemic Stroke. *Stroke*, **2021**, 52, 3633-3641	6.7	3
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