

David A Saloner

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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.

243
papers

7,802
citations

48
h-index

77
g-index

260
ext. papers

9,096
ext. citations

5.1
avg, IF

5.73
L-index

#	Paper	IF	Citations
243	Aneurysm growth occurs at region of low wall shear stress: patient-specific correlation of hemodynamics and growth in a longitudinal study. <i>Stroke</i> , 2008 , 39, 2997-3002	6.7	390
242	Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. <i>American Journal of Neuroradiology</i> , 2017 , 38, 218-229	4.4	297
241	High-resolution CT imaging of carotid artery atherosclerotic plaques. <i>American Journal of Neuroradiology</i> , 2008 , 29, 875-82	4.4	272
240	Phase-contrast magnetic resonance imaging measurements in intracranial aneurysms in vivo of flow patterns, velocity fields, and wall shear stress: comparison with computational fluid dynamics. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 409-17	4.4	165
239	MRI-based finite-element analysis of left ventricular aneurysm. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H692-700	5.2	151
238	Giant intracranial aneurysms: evolution of management in a contemporary surgical series. <i>Neurosurgery</i> , 2011 , 69, 1261-70; discussion 1270-1	3.2	148
237	Numerical analysis of flow through a severely stenotic carotid artery bifurcation. <i>Journal of Biomechanical Engineering</i> , 2002 , 124, 9-20	2.1	147
236	Cardiovascular magnetic resonance phase contrast imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 71	6.9	135
235	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. <i>Lancet Neurology</i> , 2019 , 18, 559-572	24.1	129
234	Assessment of carotid artery stenosis by ultrasonography, conventional angiography, and magnetic resonance angiography: correlation with ex vivo measurement of plaque stenosis. <i>Journal of Vascular Surgery</i> , 1995 , 21, 82-8; discussion 88-9	3.5	129
233	Carotid Artery Wall Imaging: Perspective and Guidelines from the ASNR Vessel Wall Imaging Study Group and Expert Consensus Recommendations of the American Society of Neuroradiology. <i>American Journal of Neuroradiology</i> , 2018 , 39, E9-E31	4.4	125
232	Flow residence time and regions of intraluminal thrombus deposition in intracranial aneurysms. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 3058-69	4.7	122
231	Influence of stenosis morphology on flow through severely stenotic vessels: implications for plaque rupture. <i>Journal of Biomechanics</i> , 2000 , 33, 443-55	2.9	115
230	Structure of plaque at carotid bifurcation: high-resolution MRI with histological correlation. <i>Stroke</i> , 2001 , 32, 2516-21	6.7	109
229	Clinical evaluation of aortic coarctation with 4D flow MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 711-8	5.6	106
228	Numerical modeling of the flow in intracranial aneurysms: prediction of regions prone to thrombus formation. <i>Annals of Biomedical Engineering</i> , 2008 , 36, 1793-804	4.7	105
227	Atheroemboli to the brain: size threshold for causing acute neuronal cell death. <i>Journal of Vascular Surgery</i> , 2000 , 32, 68-76	3.5	99

226	Comparison of four-dimensional flow parameters for quantification of flow eccentricity in the ascending aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 1226-30	5.6	98
225	First finite element model of the left ventricle with mitral valve: insights into ischemic mitral regurgitation. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 1546-53	2.7	96
224	Shape memory polymer stent with expandable foam: a new concept for endovascular embolization of fusiform aneurysms. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 1157-60	5	96
223	Magnetic resonance measurement of turbulent kinetic energy for the estimation of irreversible pressure loss in aortic stenosis. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 64-71	8.4	93
222	Intracranial time-of-flight MR angiography at 7T with comparison to 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 900-4	5.6	92
221	Experimental flow studies in exact-replica phantoms of atherosclerotic carotid bifurcations under steady input conditions. <i>Journal of Biomechanical Engineering</i> , 2003 , 125, 38-48	2.1	90
220	Vascular Imaging With Ferumoxytol as a Contrast Agent. <i>American Journal of Roentgenology</i> , 2015 , 205, W366-73	5.4	89
219	Evaluation of myocardial perfusion abnormalities with gadolinium-enhanced snapshot MR imaging in humans. Work in progress. <i>Radiology</i> , 1992 , 185, 795-801	20.5	89
218	Macrophage imaging within human cerebral aneurysms wall using ferumoxytol-enhanced MRI: a pilot study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1032-8	9.4	88
217	Correlation between luminal geometry changes and hemodynamics in fusiform intracranial aneurysms. <i>American Journal of Neuroradiology</i> , 2005 , 26, 2357-63	4.4	86
216	Computational approach to quantifying hemodynamic forces in giant cerebral aneurysms. <i>American Journal of Neuroradiology</i> , 2003 , 24, 1804-10	4.4	86
215	Cerebral ischemia and infarction from atheroemboli. <i>Stroke</i> , 2003 , 34, 1976-80	6.7	83
214	Improved quantification of abnormal aortic flow in 3D compared to standard 2D approach. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15,	6.9	78
213	A computationally efficient formal optimization of regional myocardial contractility in a sheep with left ventricular aneurysm. <i>Journal of Biomechanical Engineering</i> , 2009 , 131, 111001	2.1	68
212	Silent intralesional microhemorrhage as a risk factor for brain arteriovenous malformation rupture. <i>Stroke</i> , 2012 , 43, 1240-6	6.7	66
211	Numerical simulations of flow in cerebral aneurysms: comparison of CFD results and in vivo MRI measurements. <i>Journal of Biomechanical Engineering</i> , 2008 , 130, 051011	2.1	66
210	MRI hemodynamic markers of progressive bicuspid aortic valve-related aortic disease. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 140-5	5.6	62
209	Estimating the hemodynamic impact of interventional treatments of aneurysms: numerical simulation with experimental validation: technical case report. <i>Neurosurgery</i> , 2006 , 59, E429-30; author reply E429-30	3.2	59

208	Modern meningioma imaging techniques. <i>Journal of Neuro-Oncology</i> , 2010 , 99, 333-40	4.8	57
207	Magnetic resonance imaging-based finite element stress analysis after linear repair of left ventricular aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 135, 1094-102, 1102.e1-2	1.5	57
206	Measurement of internal carotid artery stenosis from source MR angiograms. <i>Radiology</i> , 1994 , 193, 219-26.5		55
205	Carotid plaque computed tomography imaging in stroke and nonstroke patients. <i>Annals of Neurology</i> , 2008 , 64, 149-57	9.4	54
204	Major carotid plaque surface irregularities correlate with neurologic symptoms. <i>Journal of Vascular Surgery</i> , 2002 , 35, 741-7	3.5	54
203	Bypass Surgery for the Treatment of Dolichoectatic Basilar Trunk Aneurysms: A Work in Progress. <i>Neurosurgery</i> , 2016 , 79, 83-99	3.2	54
202	Atherosclerotic plaque progression in carotid arteries: monitoring with high-spatial-resolution MR imaging--multicenter trial. <i>Radiology</i> , 2009 , 252, 789-96	20.5	52
201	Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 1961-8	15.1	52
200	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. <i>Radiology</i> , 2019 , 293, 554-564	20.5	50
199	High resolution imaging of the intracranial vessel wall at 3 and 7T using 3D fast spin echo MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016 , 29, 559-70	2.8	49
198	Imaging biomarkers of aortic disease: increased growth rates with eccentric systolic flow. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 356-7	15.1	49
197	Magnetic resonance angiography for free fibula flap transfer. <i>Journal of Reconstructive Microsurgery</i> , 2007 , 23, 205-11	2.5	49
196	Contrast material-enhanced MRA overestimates severity of carotid stenosis, compared with 3D time-of-flight MRA. <i>Journal of Vascular Surgery</i> , 2003 , 38, 36-40	3.5	48
195	Regional left ventricular myocardial contractility and stress in a finite element model of posterobasal myocardial infarction. <i>Journal of Biomechanical Engineering</i> , 2011 , 133, 044501	2.1	46
194	The effect of mitral annuloplasty shape in ischemic mitral regurgitation: a finite element simulation. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 776-82	2.7	44
193	Vascular dynamics of a shape memory polymer foam aneurysm treatment technique. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 1870-84	4.7	44
192	USPIO-enhanced MR angiography of arteriovenous fistulas in patients with renal failure. <i>Radiology</i> , 2012 , 265, 584-90	20.5	43
191	Vascular remodeling in autogenous arterio-venous fistulas by MRI and CFD. <i>Annals of Biomedical Engineering</i> , 2013 , 41, 657-68	4.7	41

190	Ferumoxitol-enhanced MRI to Image Inflammation within Human Brain Arteriovenous Malformations: A Pilot Investigation. <i>Translational Stroke Research</i> , 2012 , 3, 166-73	7.8	41
189	The AAPM/RSNA physics tutorial for residents. An introduction to MR angiography. <i>Radiographics</i> , 1995 , 15, 453-65	5.4	41
188	Carotid atheroma rupture observed in vivo and FSI-predicted stress distribution based on pre-rupture imaging. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 2748-65	4.7	39
187	Ex-vivo imaging and plaque type classification of intracranial atherosclerotic plaque using high resolution MRI. <i>Atherosclerosis</i> , 2016 , 249, 10-6	3.1	39
186	Diagnosing ulnar neuropathy at the elbow using magnetic resonance neurography. <i>Skeletal Radiology</i> , 2012 , 41, 401-7	2.7	38
185	Comparison of the Young-Laplace law and finite element based calculation of ventricular wall stress: implications for postinfarct and surgical ventricular remodeling. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 150-6	2.7	38
184	Transendocardial delivery of extracellular myocardial markers by using combination X-ray/MR fluoroscopic guidance: feasibility study in dogs. <i>Radiology</i> , 2004 , 231, 689-96	20.5	38
183	MR imaging of flow through tortuous vessels: a numerical simulation. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 184-95	4.4	38
182	MR assessment of myocardial perfusion, viability, and function after intramyocardial transfer of VM202, a new plasmid human hepatocyte growth factor in ischemic swine myocardium. <i>Radiology</i> , 2008 , 249, 107-18	20.5	37
181	MRI in guiding and assessing intramyocardial therapy. <i>European Radiology</i> , 2005 , 15, 851-63	8	37
180	Scarred myocardium imposes additional burden on remote viable myocardium despite a reduction in the extent of area with late contrast MR enhancement. <i>European Radiology</i> , 2006 , 16, 827-36	8	36
179	Assessment of vasculature of meningiomas and the effects of embolization with intra-arterial MR perfusion imaging: a feasibility study. <i>American Journal of Neuroradiology</i> , 2007 , 28, 1771-7	4.4	34
178	Asymmetric mechanical properties of porcine aortic sinuses. <i>Annals of Thoracic Surgery</i> , 2008 , 85, 1631-82.7		33
177	Adeno-associated viral vector-encoding vascular endothelial growth factor gene: effect on cardiovascular MR perfusion and infarct resorption measurements in swine. <i>Radiology</i> , 2007 , 243, 451-60 ^{20.5}		33
176	Systolic flow displacement correlates with future ascending aortic growth in patients with bicuspid aortic valves undergoing magnetic resonance surveillance. <i>Investigative Radiology</i> , 2014 , 49, 635-9	10.1	32
175	Ascending thoracic aortic aneurysm wall stress analysis using patient-specific finite element modeling of in vivo magnetic resonance imaging. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015 , 21, 471-80	1.8	31
174	Imaging and modeling of flow in porous media using clinical nuclear emission tomography systems and computational fluid dynamics. <i>Journal of Applied Geophysics</i> , 2012 , 76, 74-81	1.7	31
173	MR imaging of partially thrombosed cerebral aneurysms: characteristics and evolution. <i>American Journal of Neuroradiology</i> , 2011 , 32, 346-51	4.4	31

172	Injection of adeno-associated viral vector encoding vascular endothelial growth factor gene in infarcted swine myocardium: MR measurements of left ventricular function and strain. <i>Radiology</i> , 2007 , 245, 196-205	20.5	31
171	Calculation of the magnetization distribution for fluid flow in curved vessels. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 577-84	4.4	31
170	Merging computational fluid dynamics and 4D Flow MRI using proper orthogonal decomposition and ridge regression. <i>Journal of Biomechanics</i> , 2017 , 58, 162-173	2.9	30
169	Clinical Significance of Intraplaque Hemorrhage in Low- and High-Grade Basilar Artery Stenosis on High-Resolution MRI. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1286-1292	4.4	30
168	Isotropic 3D black blood MRI of abdominal aortic aneurysm wall and intraluminal thrombus. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 18-25	3.3	29
167	Heterogeneous microinfarcts caused by coronary microemboli: evaluation with multidetector CT and MR imaging in a swine model. <i>Radiology</i> , 2010 , 254, 718-28	20.5	29
166	Determinants of image appearance in contrast-enhanced magnetic resonance angiography. A review. <i>Investigative Radiology</i> , 1998 , 33, 488-95	10.1	29
165	Magnetic resonance imaging quantification of left ventricular dysfunction following coronary microembolization. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 595-602	4.4	28
164	MR guidance of targeted injections into border and core of scarred myocardium in pigs. <i>Radiology</i> , 2006 , 240, 419-26	20.5	27
163	The reliability of high resolution MRI in the measurement of early stage carotid wall thickening. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 771-6	6.9	27
162	Accelerated MRI with CIRCular Cartesian UnderSampling (CIRCUS): a variable density Cartesian sampling strategy for compressed sensing and parallel imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014 , 4, 57-67	3.6	27
161	Accelerated whole brain intracranial vessel wall imaging using black blood fast spin echo with compressed sensing (CS-SPACE). <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018 , 31, 457-467	2.8	27
160	Identification of high-risk plaque features in intracranial atherosclerosis: initial experience using a radiomic approach. <i>European Radiology</i> , 2018 , 28, 3912-3921	8	26
159	Implantation of 3D-Printed Patient-Specific Aneurysm Models into Cadaveric Specimens: A New Training Paradigm to Allow for Improvements in Cerebrovascular Surgery and Research. <i>BioMed Research International</i> , 2015 , 2015, 939387	3	26
158	Dor procedure for dyskinetic anteroapical myocardial infarction fails to improve contractility in the border zone. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 233-9, 239.e1-4	1.5	26
157	Flow patterns in the jugular veins of pulsatile tinnitus patients. <i>Journal of Biomechanics</i> , 2017 , 52, 61-67	2.9	25
156	Left ventricular myocardial contractility is depressed in the borderzone after posterolateral myocardial infarction. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 1619-25	2.7	25
155	MR angiography with a cardiac-phase--specific acquisition window. <i>Journal of Magnetic Resonance Imaging</i> , 1992 , 2, 637-43	5.6	25

154	Magnetic resonance angiography to evaluate septocutaneous perforators in free fibula flap transfer. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2010 , 63, 1099-104	1.7	24
153	Computational Fluid Dynamics Within Bifurcated Abdominal Aortic Stent-Grafts. <i>Journal of Endovascular Therapy</i> , 2007 , 14, 138-143	2.5	24
152	Comparison of late enhancement cardiovascular magnetic resonance and thallium SPECT in patients with coronary disease and left ventricular dysfunction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004 , 6, 549-56	6.9	24
151	MRA studies of arterial stenosis: improvements by diastolic acquisition. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 196-203	4.4	24
150	Significant material property differences between the porcine ascending aorta and aortic sinuses. <i>Journal of Heart Valve Disease</i> , 2008 , 17, 606-13		24
149	Left ventricular volume and function after endoventricular patch plasty for dyskinetic anteroapical left ventricular aneurysm in sheep. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 130, 1032-8	1.5	23
148	Magnetic resonance angiography of the carotid artery combining two- and three-dimensional acquisitions. <i>Journal of Vascular Surgery</i> , 1992 , 16, 609-618	3.5	23
147	Assessment of turbulent viscous stress using ICOSA 4D Flow MRI for prediction of hemodynamic blood damage. <i>Scientific Reports</i> , 2016 , 6, 39773	4.9	23
146	Intraluminal Thrombus Predicts Rapid Growth of Abdominal Aortic Aneurysms. <i>Radiology</i> , 2020 , 294, 707-713	20.5	22
145	Post-stenotic dilation: evaluation of ascending aortic dilation with 4D flow MR imaging. <i>International Journal of Cardiology</i> , 2012 , 156, e40-2	3.2	22
144	A numerical study of magnetic resonance images of pulsatile flow in a two dimensional carotid bifurcation: a numerical study of MR images. <i>Medical Engineering and Physics</i> , 1998 , 20, 643-52	2.4	22
143	Segmentation of lumen and outer wall of abdominal aortic aneurysms from 3D black-blood MRI with a registration based geodesic active contour model. <i>Medical Image Analysis</i> , 2017 , 40, 1-10	15.4	21
142	Increased Wall Enhancement During Follow-Up as a Predictor of Subsequent Aneurysmal Growth. <i>Stroke</i> , 2020 , 51, 1868-1872	6.7	21
141	Endoventricular patch plasty for dyskinetic anteroapical left ventricular aneurysm increases systolic circumferential shortening in sheep. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 1017-24	1.5	21
140	The effect of anteroapical aneurysm plication on end-systolic three-dimensional strain in the sheep: a magnetic resonance imaging tagging study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 579-586.e3	1.5	21
139	Highly accelerated intracranial 4D flow MRI: evaluation of healthy volunteers and patients with intracranial aneurysms. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018 , 31, 295-307	2.8	21
138	MR Venous Flow in Sigmoid Sinus Diverticulum. <i>American Journal of Neuroradiology</i> , 2018 , 39, 2108-2113	4.4	21
137	MR imaging during endovascular procedures: an evaluation of the potential for catheter heating. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 45-53	4.4	20

136	A novel method for quantifying in-vivo regional left ventricular myocardial contractility in the border zone of a myocardial infarction. <i>Journal of Biomechanical Engineering</i> , 2011 , 133, 094506	2.1	20
135	Numerical simulation of magnetic resonance angiographies of an anatomically realistic stenotic carotid bifurcation. <i>Annals of Biomedical Engineering</i> , 2005 , 33, 270-83	4.7	20
134	NMR velocity-selective excitation composites for flow and motion imaging and suppression of static tissue signal. <i>IEEE Transactions on Medical Imaging</i> , 1987 , 6, 141-7	11.7	20
133	Ferumoxitol-enhanced magnetic resonance angiography is a feasible method for the clinical evaluation of lower extremity arterial disease. <i>Annals of Vascular Surgery</i> , 2015 , 29, 63-8	1.7	19
132	Higher Flow Is Present in Unruptured Arteriovenous Malformations With Silent Intralesional Microhemorrhages. <i>Stroke</i> , 2017 , 48, 2881-2884	6.7	19
131	Scan-Rescan Reproducibility of High Resolution Magnetic Resonance Imaging of Atherosclerotic Plaque in the Middle Cerebral Artery. <i>PLoS ONE</i> , 2015 , 10, e0134913	3.7	19
130	Moderate mitral regurgitation accelerates left ventricular remodeling after posterolateral myocardial infarction. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 1614-20	2.7	19
129	Multi-modality cerebral aneurysm haemodynamic analysis: 4D flow MRI, volumetric particle velocimetry and computational fluid dynamics. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190465 ^{4.1}	4.1	18
128	Wall stress on ascending thoracic aortic aneurysms with bicuspid compared with tricuspid aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 156, 492-500	1.5	18
127	Numerical simulation of pre- and postsurgical flow in a giant basilar aneurysm. <i>Journal of Biomechanical Engineering</i> , 2008 , 130, 021004	2.1	18
126	Computational modeling of flow-altering surgeries in basilar aneurysms. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 1210-22	4.7	17
125	Assessment of Reynolds stress components and turbulent pressure loss using 4D flow MRI with extended motion encoding. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1962-1971	4.4	17
124	Wall enhancement of intracranial unruptured aneurysm is associated with increased rupture risk and traditional risk factors. <i>European Radiology</i> , 2018 , 28, 5019-5026	8	17
123	Feasibility of asymmetric stretch assessment in the ascending aortic wall with DENSE cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 6	6.9	17
122	Carotid stent delivery in an XMR suite: immediate assessment of the physiologic impact of extracranial revascularization. <i>American Journal of Neuroradiology</i> , 2005 , 26, 531-7	4.4	17
121	Large Vessel Arteriopathy After Cranial Radiation Therapy in Pediatric Brain Tumor Survivors. <i>Journal of Child Neurology</i> , 2018 , 33, 359-366	2.5	16
120	Perfusion-CT of developmental venous anomalies: typical and atypical hemodynamic patterns. <i>Journal of Neuroradiology</i> , 2010 , 37, 239-42	3.1	16
119	An efficient two-stage approach for image-based FSI analysis of atherosclerotic arteries. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010 , 9, 213-23	3.8	16

118	Central intraluminal saturation stripe on MR angiograms of curved vessels: simulation, phantom, and clinical analysis. <i>Radiology</i> , 1996 , 198, 733-9	20.5	16
117	Transitional flows in arterial fluid dynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2007 , 196, 3043-3048	5.7	16
116	Cardiac-gated MR angiography of pulsatile flow: k-space strategies. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 297-307	5.6	16
115	Computational Fluid Dynamics modeling of contrast transport in basilar aneurysms following flow-altering surgeries. <i>Journal of Biomechanics</i> , 2017 , 50, 195-201	2.9	15
114	Wall stress analyses in patients with Bicuspid Aortic Valve versus Normal Aortic Valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 162, 1452-1459	1.5	15
113	Denosing and spatial resolution enhancement of 4D flow MRI using proper orthogonal decomposition and lasso regularization. <i>Computerized Medical Imaging and Graphics</i> , 2018 , 70, 165-172	7.6	15
112	Highly accelerated aortic 4D flow MR imaging with variable-density random undersampling. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1012-20	3.3	15
111	The use of MRI to quantify multi-phase flow patterns and transitions: an application to horizontal slug flow. <i>Nuclear Engineering and Design</i> , 1998 , 184, 213-228	1.8	15
110	MRI of geometric and compositional features of vulnerable carotid plaque. <i>Stroke</i> , 2007 , 38, 637-41	6.7	15
109	Highly-accelerated self-gated free-breathing 3D cardiac cine MRI: validation in assessment of left ventricular function. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017 , 30, 337-346	2.8	14
108	Non-contrast 3D black blood MRI for abdominal aortic aneurysm surveillance: comparison with CT angiography. <i>European Radiology</i> , 2017 , 27, 1787-1794	8	14
107	Magnetic resonance neurography evaluation of chronic extraspinal sciatica after remote proximal hamstring injury: a preliminary retrospective analysis. <i>Journal of Neurosurgery</i> , 2014 , 121, 408-14	3.2	14
106	The distribution and size of ischemic lesions after carotid artery angioplasty and stenting: evidence for microembolization to terminal arteries. <i>Journal of Vascular Surgery</i> , 2011 , 53, 971-5; discussion 975-6	3.5	14
105	Permanent coronary artery occlusion: cardiovascular MR imaging is platform for percutaneous transendocardial delivery and assessment of gene therapy in canine model. <i>Radiology</i> , 2008 , 249, 560-7	20.5	14
104	Dedicated coil for carotid MR angiography. <i>Radiology</i> , 1990 , 176, 868-72	20.5	14
103	MR physics in practice: how to optimize acquisition quality and time for cardiac MR imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015 , 23, 1-6	1.6	13
102	Ferumoxitol-enhanced MRI in the peripheral vasculature. <i>Clinical Radiology</i> , 2019 , 74, 37-50	2.9	13
101	The manifestation of vortical and secondary flow in the cerebral venous outflow tract: An in vivo MR velocimetry study. <i>Journal of Biomechanics</i> , 2017 , 50, 180-187	2.9	13

100	Estimation of fusiform intracranial aneurysm growth by serial magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 177-83	5.6	13
99	Delivery and assessment of endovascular stents to repair aortic coarctation using MR and X-ray imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 371-8	5.6	13
98	Magnetic resonance perfusion tracks 133Xe cerebral blood flow changes after carotid stenting. <i>Stroke</i> , 2005 , 36, 676-8	6.7	13
97	Predictive modeling and in vivo assessment of cerebral blood flow in the management of complex cerebral aneurysms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 998-1003	7.3	13
96	Semiautomated Characterization of Carotid Artery Plaque Features From Computed Tomography Angiography to Predict Atherosclerotic Cardiovascular Disease Risk Score. <i>Journal of Computer Assisted Tomography</i> , 2019 , 43, 452-459	2.2	13
95	Fully automatic segmentation of 4D MRI for cardiac functional measurements. <i>Medical Physics</i> , 2019 , 46, 180-189	4.4	13
94	Surveillance of Unruptured Intracranial Saccular Aneurysms Using Noncontrast 3D-Black-Blood MRI: Comparison of 3D-TOF and Contrast-Enhanced MRA with 3D-DSA. <i>American Journal of Neuroradiology</i> , 2019 , 40, 960-966	4.4	12
93	Extended 3D approach for quantification of abnormal ascending aortic flow. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 695-700	3.3	12
92	High resolution cine MRI of vessel distension. <i>Journal of Computer Assisted Tomography</i> , 1994 , 18, 576-80.	2	12
91	Reduced Jet Velocity in Venous Flow after CSF Drainage: Assessing Hemodynamic Causes of Pulsatile Tinnitus. <i>American Journal of Neuroradiology</i> , 2019 , 40, 849-854	4.4	11
90	Dilatation of the ascending aorta is associated with presence of aortic regurgitation in patients after repair of tetralogy of Fallot. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 1265-72	2.5	11
89	Short term doxycycline treatment induces sustained improvement in myocardial infarction border zone contractility. <i>PLoS ONE</i> , 2018 , 13, e0192720	3.7	11
88	Reduction of motion artifacts in carotid MRI using free-induction decay navigators. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 214-20	5.6	11
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