

# David A Saloner

## List of Publications by Year in descending order

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255  
papers

10,006  
citations

38738

50  
h-index

51602

86  
g-index

260  
all docs

260  
docs citations

260  
times ranked

9002  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.4	457
2	Aneurysm Growth Occurs at Region of Low Wall Shear Stress. <i>Stroke</i> , 2008, 39, 2997-3002.	2.0	446
3	High-Resolution CT Imaging of Carotid Artery Atherosclerotic Plaques. <i>American Journal of Neuroradiology</i> , 2008, 29, 875-882.	2.4	319
4	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. <i>Lancet Neurology</i> , The, 2019, 18, 559-572.	10.2	279
5	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.	2.4	213
6	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, 409-417.	3.0	196
7	Giant Intracranial Aneurysms. <i>Neurosurgery</i> , 2011, 69, 1261-1271.	1.1	187
8	Cardiovascular magnetic resonance phase contrast imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 71.	3.3	184
9	MRI-based finite-element analysis of left ventricular aneurysm. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H692-H700.	3.2	179
10	Numerical Analysis of Flow Through a Severely Stenotic Carotid Artery Bifurcation. <i>Journal of Biomechanical Engineering</i> , 2002, 124, 9-20.	1.3	171
11	Flow Residence Time and Regions of Intraluminal Thrombus Deposition in Intracranial Aneurysms. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3058-3069.	2.5	164
12	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, 82-89.	1.1	144
13	Clinical evaluation of aortic coarctation with 4D flow MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 711-718.	3.4	137
14	Influence of stenosis morphology on flow through severely stenotic vessels: implications for plaque rupture. <i>Journal of Biomechanics</i> , 2000, 33, 443-455.	2.1	132
15	Numerical Modeling of the Flow in Intracranial Aneurysms: Prediction of Regions Prone to Thrombus Formation. <i>Annals of Biomedical Engineering</i> , 2008, 36, 1793-1804.	2.5	129
16	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.	5.3	122
17	Comparison of four-dimensional flow parameters for quantification of flow eccentricity in the ascending aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1226-1230.	3.4	121
18	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.	1.3	119

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19	Structure of Plaque at Carotid Bifurcation: High-Resolution MRI With Histological Correlation. <i>Stroke</i> , 2001, 32, 2516-2521.	2.0	118
20	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, 1157-1160.	4.2	111
21	Atheroemboli to the brain: Size threshold for causing acute neuronal cell death. <i>Journal of Vascular Surgery</i> , 2000, 32, 68-76.	1.1	109
22	First Finite Element Model of the Left Ventricle With Mitral Valve: Insights Into Ischemic Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , 2010, 89, 1546-1553.	1.3	109
23	Evaluation of myocardial perfusion abnormalities with gadolinium-enhanced snapshot MR imaging in humans. <i>Work in progress.. Radiology</i> , 1992, 185, 795-801.	7.3	104
24	Intracranial time-of-flight MR angiography at 7T with comparison to 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 900-904.	3.4	104
25	Vascular Imaging With Ferumoxytol as a Contrast Agent. <i>American Journal of Roentgenology</i> , 2015, 205, W366-W373.	2.2	104
26	Cerebral Ischemia and Infarction From Atheroemboli < 100 $\mu$ m in Size. <i>Stroke</i> , 2003, 34, 1976-1980.	2.0	99
27	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. <i>Radiology</i> , 2019, 293, 554-564.	7.3	99
28	Macrophage Imaging Within Human Cerebral Aneurysms Wall Using Ferumoxytol-Enhanced MRI: A Pilot Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1032-1038.	2.4	98
29	Correlation between luminal geometry changes and hemodynamics in fusiform intracranial aneurysms. <i>American Journal of Neuroradiology</i> , 2005, 26, 2357-63.	2.4	91
30	Computational approach to quantifying hemodynamic forces in giant cerebral aneurysms. <i>American Journal of Neuroradiology</i> , 2003, 24, 1804-10.	2.4	88
31	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.	1.3	82
32	Bypass Surgery for the Treatment of Dolichoectatic Basilar Trunk Aneurysms. <i>Neurosurgery</i> , 2016, 79, 83-99.	1.1	82
33	Modern meningioma imaging techniques. <i>Journal of Neuro-Oncology</i> , 2010, 99, 333-340.	2.9	81
34	Silent Intralesional Microhemorrhage as a Risk Factor for Brain Arteriovenous Malformation Rupture. <i>Stroke</i> , 2012, 43, 1240-1246.	2.0	78
35	MRI hemodynamic markers of progressive bicuspid aortic valve-related aortic disease. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 140-145.	3.4	78
36	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.	1.3	73

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37	Major carotid plaque surface irregularities correlate with neurologic symptoms. <i>Journal of Vascular Surgery</i> , 2002, 35, 741-747.	1.1	68
38	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, 1094-1102.e2.	0.8	68
39	Measurement of internal carotid artery stenosis from source MR angiograms.. <i>Radiology</i> , 1994, 193, 219-226.	7.3	66
40	Estimating the Hemodynamic Impact of Interventional Treatments of Aneurysms. <i>Neurosurgery</i> , 2006, 59, E429-E430.	1.1	65
41	Imaging Biomarkers of Aortic Disease. <i>Journal of the American College of Cardiology</i> , 2012, 60, 356-357.	2.8	62
42	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, 1961-1968.	2.8	60
43	Atherosclerotic Plaque Progression in Carotid Arteries: Monitoring with High-Spatial-Resolution MR Imagingâ€”Multicenter Trial. <i>Radiology</i> , 2009, 252, 789-796.	7.3	59
44	High resolution imaging of the intracranial vessel wall at 3 and 7ÅT using 3D fast spin echo MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 559-570.	2.0	59
45	Carotid plaque computed tomography imaging in stroke and nonstroke patients. <i>Annals of Neurology</i> , 2008, 64, 149-157.	5.3	58
46	Vascular Remodeling in Autogenous Arterio-Venous Fistulas by MRI and CFD. <i>Annals of Biomedical Engineering</i> , 2013, 41, 657-668.	2.5	56
47	Contrast materialâ€”enhanced MRA overestimates severity of carotid stenosis, compared with 3D time-of-flight MRA. <i>Journal of Vascular Surgery</i> , 2003, 38, 36-40.	1.1	55
48	Magnetic Resonance Angiography for Free Fibula Flap Transfer. <i>Journal of Reconstructive Microsurgery</i> , 2007, 23, 205-211.	1.8	55
49	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.	1.3	54
50	Ex-vivo imaging and plaque type classification of intracranial atherosclerotic plaque using high resolution MRI. <i>Atherosclerosis</i> , 2016, 249, 10-16.	0.8	54
51	The AAPM/RSNA physics tutorial for residents. An introduction to MR angiography.. <i>Radiographics</i> , 1995, 15, 453-465.	3.3	51
52	The Effect of Mitral Annuloplasty Shape in Ischemic Mitral Regurgitation: A Finite Element Simulation. <i>Annals of Thoracic Surgery</i> , 2012, 93, 776-782.	1.3	51
53	USPIO-enhanced MR Angiography of Arteriovenous Fistulas in Patients with Renal Failure. <i>Radiology</i> , 2012, 265, 584-590.	7.3	50
54	Identification of high-risk plaque features in intracranial atherosclerosis: initial experience using a radiomic approach. <i>European Radiology</i> , 2018, 28, 3912-3921.	4.5	50

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55	Ferumoxylol-Enhanced MRI to Image Inflammation Within Human Brain Arteriovenous Malformations: a Pilot Investigation. <i>Translational Stroke Research</i> , 2012, 3, 166-173.	4.2	48
56	Diagnosing ulnar neuropathy at the elbow using magnetic resonance neurography. <i>Skeletal Radiology</i> , 2012, 41, 401-407.	2.0	48
57	Vascular Dynamics of a Shape Memory Polymer Foam Aneurysm Treatment Technique. <i>Annals of Biomedical Engineering</i> , 2007, 35, 1870-1884.	2.5	47
58	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.	2.4	47
59	Intraluminal Thrombus Predicts Rapid Growth of Abdominal Aortic Aneurysms. <i>Radiology</i> , 2020, 294, 707-713.	7.3	47
60	Carotid Atheroma Rupture Observed In Vivo and FSI-Predicted Stress Distribution Based on Pre-rupture Imaging. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2748-2765.	2.5	46
61	Merging computational fluid dynamics and 4D Flow MRI using proper orthogonal decomposition and ridge regression. <i>Journal of Biomechanics</i> , 2017, 58, 162-173.	2.1	46
62	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, 635-639.	6.2	45
63	Ascending thoracic aortic aneurysm wall stress analysis using patient-specific finite element modeling of <i>in vivo</i> magnetic resonance imaging. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 21, 471-480.	1.1	45
64	MR imaging of flow through tortuous vessels: A numerical simulation. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 184-195.	3.0	43
65	MRI in guiding and assessing intramyocardial therapy. <i>European Radiology</i> , 2005, 15, 851-863.	4.5	43
66	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, 107-118.	7.3	43
67	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, 150-156.	1.3	43
68	Flow patterns in the jugular veins of pulsatile tinnitus patients. <i>Journal of Biomechanics</i> , 2017, 52, 61-67.	2.1	43
69	Transendocardial Delivery of Extracellular Myocardial Markers by Using Combination X-ray/MR Fluoroscopic Guidance: Feasibility Study in Dogs. <i>Radiology</i> , 2004, 231, 689-696.	7.3	42
70	Calculation of the magnetization distribution for fluid flow in curved vessels. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 577-584.	3.0	40
71	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, 827-836.	4.5	40
72	Multi-modality cerebral aneurysm haemodynamic analysis: <i>in vivo</i> 4D flow MRI, <i>in vitro</i> volumetric particle velocimetry and <i>in silico</i> computational fluid dynamics. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190465.	3.4	40

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73	Increased Wall Enhancement During Follow-Up as a Predictor of Subsequent Aneurysmal Growth. <i>Stroke</i> , 2020, 51, 1868-1872.	2.0	39
74	Adeno-associated Viral Vectorâ€œEncoding Vascular Endothelial Growth Factor Gene: Effect on Cardiovascular MR Perfusion and Infarct Resorption Measurements in Swine. <i>Radiology</i> , 2007, 243, 451-460.	7.3	38
75	Injection of Adeno-associated Viral Vectorâ€œEncoding Vascular Endothelial Growth Factor Gene in Infarcted Swine Myocardium: MR Measurements of Left Ventricular Function and Strain. <i>Radiology</i> , 2007, 245, 196-205.	7.3	38
76	Determinants of Image Appearance in Contrast-Enhanced Magnetic Resonance Angiography. <i>Investigative Radiology</i> , 1998, 33, 488-495.	6.2	38
77	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, 1771-1777.	2.4	37
78	Asymmetric Mechanical Properties of Porcine Aortic Sinuses. <i>Annals of Thoracic Surgery</i> , 2008, 85, 1631-1638.	1.3	36
79	MR Venous Flow in Sigmoid Sinus Diverticulum. <i>American Journal of Neuroradiology</i> , 2018, 39, 2108-2113.	2.4	36
80	Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 1048-1067.	1.7	36
81	MR Imaging of Partially Thrombosed Cerebral Aneurysms: Characteristics and Evolution. <i>American Journal of Neuroradiology</i> , 2011, 32, 346-351.	2.4	35
82	Isotropic 3D black blood MRI of abdominal aortic aneurysm wall and intraluminal thrombus. <i>Magnetic Resonance Imaging</i> , 2016, 34, 18-25.	1.8	35
83	Higher Flow Is Present in Unruptured Arteriovenous Malformations With Silent Intralesional Microhemorrhages. <i>Stroke</i> , 2017, 48, 2881-2884.	2.0	35
84	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, 1-9.	1.9	33
85	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.	0.8	33
86	Progression of Plaque Burden of Intracranial Atherosclerotic Plaque Predicts Recurrent Stroke/Transient Ischemic Attack: A Pilot Followâ€œUp Study Using Higherâ€œResolution MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 560-570.	3.4	33
87	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.	2.0	33
88	Magnetic resonance angiography to evaluate septocutaneous perforators in free fibula flap transfer. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2010, 63, 1099-1104.	1.0	32
89	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.	2.0	32
90	MR angiography with a cardiac-phaseâ€œspecific acquisition window. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 637-643.	3.4	31

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91	Magnetic resonance imaging quantification of left ventricular dysfunction following coronary microembolization. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 595-602.	3.0	31
92	Heterogeneous Microinfarcts Caused by Coronary Microemboli: Evaluation with Multidetector CT and MR Imaging in a Swine Model. <i>Radiology</i> , 2010, 254, 718-728.	7.3	31
93	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.	2.1	31
94	Assessment of turbulent viscous stress using ICOSA 4D Flow MRI for prediction of hemodynamic blood damage. <i>Scientific Reports</i> , 2016, 6, 39773.	3.3	31
95	Vessel Wall Imaging Biomarkers of Carotid Plaque Vulnerability in Stroke Prevention Trials. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2445-2456.	5.3	31
96	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, 549-556.	3.3	30
97	MR Guidance of Targeted Injections into Border and Core of Scarred Myocardium in Pigs. <i>Radiology</i> , 2006, 240, 419-426.	7.3	30
98	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.	11.6	30
99	The Reliability of High Resolution MRI in the Measurement of Early Stage Carotid Wall Thickening. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007, 9, 771-776.	3.3	28
100	Wall enhancement of intracranial saccular and fusiform aneurysms may differ in intensity and extension: a pilot study using 7-T high-resolution black-blood MRI. <i>European Radiology</i> , 2020, 30, 301-307.	4.5	28
101	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, 233-239.e4.	0.8	27
102	Left Ventricular Myocardial Contractility Is Depressed in the Borderzone After Posterolateral Myocardial Infarction. <i>Annals of Thoracic Surgery</i> , 2013, 95, 1619-1625.	1.3	27
103	Large Vessel Arteriopathy After Cranial Radiation Therapy in Pediatric Brain Tumor Survivors. <i>Journal of Child Neurology</i> , 2018, 33, 359-366.	1.4	27
104	Wall stress analyses in patients with 5 cm versus <5 cm ascending thoracic aortic aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1452-1459.	0.8	27
105	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, 1032-1038.	0.8	26
106	Computational Fluid Dynamics Within Bifurcated Abdominal Aortic Stent-Grafts. <i>Journal of Endovascular Therapy</i> , 2007, 14, 138-143.	1.5	26
107	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.	2.0	26
108	Magnetic resonance angiography of the carotid artery combining two- and three-dimensional acquisitions. <i>Journal of Vascular Surgery</i> , 1992, 16, 609-618.	1.1	25

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109	MRA studies of arterial stenosis: Improvements by diastolic acquisition. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 196-203.	3.0	25
110	A numerical study of magnetic resonance images of pulsatile flow in a two dimensional carotid bifurcation. <i>Medical Engineering and Physics</i> , 1998, 20, 643-652.	1.7	25
111	Transitional flows in arterial fluid dynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2007, 196, 3043-3048.	6.6	25
112	Moderate Mitral Regurgitation Accelerates Left Ventricular Remodeling After Posterolateral Myocardial Infarction. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1614-1620.	1.3	25
113	Wall enhancement of intracranial unruptured aneurysm is associated with increased rupture risk and traditional risk factors. <i>European Radiology</i> , 2018, 28, 5019-5026.	4.5	25
114	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. <i>American Journal of Neuroradiology</i> , 2021, 42, 1566-1575.	2.4	25
115	Ferumoxylol-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, 63-68.	0.9	24
116	Fully automatic segmentation of 4D MRI for cardiac functional measurements. <i>Medical Physics</i> , 2019, 46, 180-189.	3.0	24
117	Significant material property differences between the porcine ascending aorta and aortic sinuses. <i>Journal of Heart Valve Disease</i> , 2008, 17, 606-13.	0.5	24
118	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, 141-147.	8.9	23
119	Numerical Simulation of Magnetic Resonance Angiographies of an Anatomically Realistic Stenotic Carotid Bifurcation. <i>Annals of Biomedical Engineering</i> , 2005, 33, 270-283.	2.5	23
120	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, 1017-1024.e1.	0.8	23
121	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.	1.3	23
122	Scan-Rescan Reproducibility of High Resolution Magnetic Resonance Imaging of Atherosclerotic Plaque in the Middle Cerebral Artery. <i>PLoS ONE</i> , 2015, 10, e0134913.	2.5	23
123	Denoising 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.	5.8	23
124	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.	0.9	23
125	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.	0.8	22
126	Post-stenotic dilation: Evaluation of ascending aortic dilation with 4D flow MR imaging. <i>International Journal of Cardiology</i> , 2012, 156, e40-e42.	1.7	22



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127	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.	3.0	22
128	Ferumoxitol-enhanced MRI in the peripheral vasculature. <i>Clinical Radiology</i> , 2019, 74, 37-50.	1.1	22
129	4D Flow MRI Pressure Estimation Using Velocity Measurement-Error-Based Weighted Least-Squares. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1668-1680.	8.9	22
130	MR imaging during endovascular procedures: An evaluation of the potential for catheter heating. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 45-53.	3.0	21
131	Central intraluminal saturation stripe on MR angiograms of curved vessels: simulation, phantom, and clinical analysis.. <i>Radiology</i> , 1996, 198, 733-739.	7.3	20
132	Computational Fluid Dynamics modeling of contrast transport in basilar aneurysms following flow-altering surgeries. <i>Journal of Biomechanics</i> , 2017, 50, 195-201.	2.1	20
133	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.	2.1	20
134	Non-contrast 3D black blood MRI for abdominal aortic aneurysm surveillance: comparison with CT angiography. <i>European Radiology</i> , 2017, 27, 1787-1794.	4.5	20
135	An efficient two-stage approach for image-based FSI analysis of atherosclerotic arteries. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010, 9, 213-223.	2.8	19
136	Magnetic resonance neurography evaluation of chronic extraspinal sciatica after remote proximal hamstring injury: a preliminary retrospective analysis. <i>Journal of Neurosurgery</i> , 2014, 121, 408-414.	1.6	19
137	Computational Modeling of Flow-Altering Surgeries in Basilar Aneurysms. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1210-1222.	2.5	19
138	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.	4.3	19
139	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.	2.0	19
140	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.	2.4	19
141	Wall enhancement on black-blood MRI is independently associated with symptomatic status of unruptured intracranial saccular aneurysm. <i>European Radiology</i> , 2020, 30, 6413-6420.	4.5	19
142	Wall Stress Distribution in Bicuspid Aortic Valve-Associated Ascending Thoracic Aortic Aneurysms. <i>Annals of Thoracic Surgery</i> , 2020, 110, 807-814.	1.3	19
143	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.	2.4	19
144	Dedicated coil for carotid MR angiography.. <i>Radiology</i> , 1990, 176, 868-872.	7.3	18

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145	MRI of Geometric and Compositional Features of Vulnerable Carotid Plaque. <i>Stroke</i> , 2007, 38, 637-641.	2.0	18
146	Numerical Simulation of Pre- and Postsurgical Flow in a Giant Basilar Aneurysm. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 021004.	1.3	18
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