

# David A Saloner

## List of Publications by Year in descending order

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255  
papers

10,006  
citations

38742

50  
h-index

51608

86  
g-index

260  
all docs

260  
docs citations

260  
times ranked

9002  
citing authors

#	ARTICLE	IF	CITATIONS
1	Baseline vessel wall magnetic resonance imaging characteristics associated with in-stent restenosis for intracranial atherosclerotic stenosis. <i>Journal of NeuroInterventional Surgery</i> , 2023, 15, 288-291.	3.3	12
2	Association of 3-Year All-Cause Mortality and Peak Wall Stresses of Ascending Thoracic Aortic Aneurysms in Veterans. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2023, 35, 447-456.	0.6	2
3	Association of diameter and wall stresses of tricuspid aortic valve ascending thoracic aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 1365-1375.	0.8	11
4	Quantitative analysis of unruptured intracranial aneurysm wall thickness and enhancement using 7T high resolution, black blood magnetic resonance imaging. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 723-728.	3.3	11
5	Regional wall stress differences on tricuspid aortic valve-associated ascending aortic aneurysms. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, 34, 1115-1123.	1.1	1
6	Comparison of 7ÂT and 3ÂT vessel wall MRI for the evaluation of intracranial aneurysm wall. <i>European Radiology</i> , 2022, 32, 2384-2392.	4.5	10
7	Diagnostic Approach to Pulsatile Tinnitus. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2022, 148, 476.	2.2	14
8	Wall stress analyses in patients with 5Åcm versus 5Åcm ascending thoracic aortic aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1452-1459.	0.8	27
9	Computer-aided quantification of non-contrast 3D black blood MRI as an efficient alternative to reference standard manual CT angiography measurements of abdominal aortic aneurysms. <i>European Journal of Radiology</i> , 2021, 134, 109396.	2.6	3
10	Ascending thoracic aortic aneurysm growth is minimal at sizes that do not meet criteria for surgical repair. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 12, 0-0.	2.0	4
11	Abdominal aortic aneurysm measurement at CT/MRI: potential clinical ramifications of non-standardized measurement technique and importance of multiplanar reformation. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 823-830.	2.0	2
12	Progression of Plaque Burden of Intracranial Atherosclerotic Plaque Predicts Recurrent Stroke/Transient Ischemic Attack: A Pilot Follow-up Study Using Higher Resolution MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 560-570.	3.4	33
13	Proof-of-concept single-arm trial of bevacizumab therapy for brain arteriovenous malformation. <i>BMJ Neurology Open</i> , 2021, 3, e000114.	1.6	9
14	Identification of intra-individual variation in intracranial arterial flow by MRI and the effect on computed hemodynamic descriptors. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 659-666.	2.0	5
15	Deep learning based fully automatic segmentation of the left ventricular endocardium and epicardium from cardiac cine MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1600-1612.	2.0	14
16	Advances in Multimodality Carotid Plaque Imaging: AJR Expert Panel Narrative Review. <i>American Journal of Roentgenology</i> , 2021, 217, 16-26.	2.2	18
17	A kinematic model-based analysis framework for 3D Cine-DENSE validation with an axially compressed gel phantom and application in sheep before and after anteroapical myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2105-2121.	3.0	0
18	Identification of high risk clinical and imaging features for intracranial artery dissection using high-resolution cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 74.	3.3	4

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19	A Volumetric Metric for Monitoring Intracranial Aneurysms: Repeatability and Growth Criteria in a Longitudinal MR Imaging Study. <i>American Journal of Neuroradiology</i> , 2021, 42, 1591-1597.	2.4	11
20	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
21	Presence of Vessel Wall Hyperintensity in Unruptured Arteriovenous Malformations on Vessel Wall Magnetic Resonance Imaging: Pilot Study of AVM Vessel Wall "Enhancement". <i>Frontiers in Neuroscience</i> , 2021, 15, 697432.	2.8	4
22	Intracranial vascular imaging detects arterial wall abnormalities in persons with treated HIV infection. <i>Aids</i> , 2021, Publish Ahead of Print, 69-73.	2.2	1
23	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
24	Sound Measurement in Patient-Specific 3D Printed Bench Models of Venous Pulsatile Tinnitus. <i>Otology and Neurotology</i> , 2020, 41, e7-e14.	1.3	11
25	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
26	Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 1048-1067.	1.7	36
27	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
28	Vessel Wall "Imaging Biomarkers of Carotid Plaque Vulnerability in Stroke" Prevention Trials. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2445-2456.	5.3	31
29	Extracranial Carotid Artery Stenosis: The Effects on Brain and Cognition with a Focus on Resting "State Functional Connectivity. <i>Journal of Neuroimaging</i> , 2020, 30, 736-745.	2.0	12
30	Wall Stress Changes in Ascending Thoracic Aortic Aneurysms Do Not Correlate with Changes in Diameter over Time. <i>Journal of the American College of Surgeons</i> , 2020, 231, S49.	0.5	0
31	Increased Wall Enhancement During Follow-Up as a Predictor of Subsequent Aneurysmal Growth. <i>Stroke</i> , 2020, 51, 1868-1872.	2.0	39
32	Wall enhancement characteristics of vertebrobasilar nonsaccular aneurysms and their relationship to symptoms. <i>European Journal of Radiology</i> , 2020, 129, 109064.	2.6	10
33	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
34	Left ventricular geometry during unloading and the end-systolic pressure volume relationship: Measurement with a modified real-time MRI-based method in normal sheep. <i>PLoS ONE</i> , 2020, 15, e0234896.	2.5	3
35	The regional pattern of abnormal cerebrovascular reactivity in HIV-infected, virally suppressed women. <i>Journal of NeuroVirology</i> , 2020, 26, 734-742.	2.1	8
36	Intraluminal Thrombus Predicts Rapid Growth of Abdominal Aortic Aneurysms. <i>Radiology</i> , 2020, 294, 707-713.	7.3	47

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37	Growth of common iliac artery aneurysms coexisting with abdominal aortic aneurysms: associated factors and potential role of intraluminal thrombus. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 703-712.	2.0	0
38	Quantitative measurement of atheroma burden: reproducibility in serial studies of atherosclerotic femoral arteries. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 855-863.	2.0	0
39	Computational Fluid Dynamics for Evaluating Hemodynamics. , 2020, , 331-347.		0
40	Ferumoxytol-enhanced MRI in the peripheral vasculature. <i>Clinical Radiology</i> , 2019, 74, 37-50.	1.1	22
41	Extending Cardiac Functional Assessment with Respiratory-Resolved 3D Cine MRI. <i>Scientific Reports</i> , 2019, 9, 11563.	3.3	6
42	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. <i>Radiology</i> , 2019, 293, 554-564.	7.3	99
43	Surveillance of abdominal aortic aneurysm using accelerated 3D non-contrast black-blood cardiovascular magnetic resonance with compressed sensing (CS-DANTE-SPACE). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 66.	3.3	7
44	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
45	Evaluation of the distribution and progression of intraluminal thrombus in abdominal aortic aneurysms using high-resolution MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 994-1001.	3.4	15
46	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.	2.4	16
47	Shape-appearance constrained segmentation and separation of vein and artery in pulsatile tinnitus patients based on MR angiography and flow MRI. <i>Magnetic Resonance Imaging</i> , 2019, 61, 187-195.	1.8	3
48	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
49	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
50	Carotid Artery Imaging Is More Strongly Associated With the 10-Year Atherosclerotic Cardiovascular Disease Score Than Coronary Artery Imaging. <i>Journal of Computer Assisted Tomography</i> , 2019, 43, 679-685.	0.9	3
51	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
52	Visualizing wall enhancement over time in unruptured intracranial aneurysms using 3D vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 193-200.	3.4	13
53	COMPARISON OF TWO METHODS FOR ESTIMATING THE UNLOADED STATE FOR ABDOMINAL AORTIC ANEURYSM STRESS CALCULATIONS. <i>Journal of Mechanics in Medicine and Biology</i> , 2019, 19, 1950015.	0.7	1
54	Fully automatic segmentation of 4D MRI for cardiac functional measurements. <i>Medical Physics</i> , 2019, 46, 180-189.	3.0	24

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55	Assessing the Relationship between Atherosclerotic Cardiovascular Disease Risk Score and Carotid Artery Imaging Findings. <i>Journal of Neuroimaging</i> , 2019, 29, 119-125.	2.0	11
56	On the Relative Impact of Intraluminal Thrombus Heterogeneity on Abdominal Aortic Aneurysm Mechanics. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	7
57	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
58	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
59	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
60	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
61	Letter by Zhu et al Regarding Article, "Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair". <i>Circulation</i> , 2018, 137, 1293-1294.	1.6	0
62	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
63	Gated thoracic magnetic resonance angiography at 3T: noncontrast versus blood pool contrast. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 475-483.	1.5	11
64	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
65	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
66	Cognitive Imaging. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2018, 12, 1-16.	0.4	1
67	Assessing the Relationship Between American Heart Association Atherosclerotic Cardiovascular Disease Risk Score and Coronary Artery Imaging Findings. <i>Journal of Computer Assisted Tomography</i> , 2018, 42, 898-905.	0.9	6
68	MR Venous Flow in Sigmoid Sinus Diverticulum. <i>American Journal of Neuroradiology</i> , 2018, 39, 2108-2113.	2.4	36
69	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.	5.8	23
70	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
71	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
72	Short term doxycycline treatment induces sustained improvement in myocardial infarction border zone contractility. <i>PLoS ONE</i> , 2018, 13, e0192720.	2.5	13

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73	Intracranial Aneurysms: Imaging, Hemodynamics, and Remodeling. , 2018, , 137-167.		0
74	Highly-accelerated self-gated free-breathing 3D cardiac cine MRI: validation in assessment of left ventricular function. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 337-346.	2.0	19
75	Computational Fluid Dynamics modeling of contrast transport in basilar aneurysms following flow-altering surgeries. Journal of Biomechanics, 2017, 50, 195-201.	2.1	20
76	Segmentation of lumen and outer wall of abdominal aortic aneurysms from 3D black-blood MRI with a registration based geodesic active contour model. Medical Image Analysis, 2017, 40, 1-10.	11.6	30
77	Merging computational fluid dynamics and 4D Flow MRI using proper orthogonal decomposition and ridge regression. Journal of Biomechanics, 2017, 58, 162-173.	2.1	46
78	Flow patterns in the jugular veins of pulsatile tinnitus patients. Journal of Biomechanics, 2017, 52, 61-67.	2.1	43
79	Higher Flow Is Present in Unruptured Arteriovenous Malformations With Silent Intralesional Microhemorrhages. Stroke, 2017, 48, 2881-2884.	2.0	35
80	Identification and Quantitative Assessment of Different Components of Intracranial Atherosclerotic Plaque by Ex Vivo 3T High-Resolution Multicontrast MRI. American Journal of Neuroradiology, 2017, 38, 1716-1722.	2.4	5
81	The manifestation of vortical and secondary flow in the cerebral venous outflow tract: An in vivo MR velocimetry study. Journal of Biomechanics, 2017, 50, 180-187.	2.1	20
82	Non-contrast 3D black blood MRI for abdominal aortic aneurysm surveillance: comparison with CT angiography. European Radiology, 2017, 27, 1787-1794.	4.5	20
83	Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2017, 38, 218-229.	2.4	457
84	Bypass Surgery for the Treatment of Dolichoectatic Basilar Trunk Aneurysms. Neurosurgery, 2016, 79, 83-99.	1.1	82
85	Assessment of turbulent viscous stress using ICOSA 4D Flow MRI for prediction of hemodynamic blood damage. Scientific Reports, 2016, 6, 39773.	3.3	31
86	Predictive modeling and in vivo assessment of cerebral blood flow in the management of complex cerebral aneurysms. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 998-1003.	4.3	19
87	Ex-vivo imaging and plaque type classification of intracranial atherosclerotic plaque using high resolution MRI. Atherosclerosis, 2016, 249, 10-16.	0.8	54
88	Dilatation of the ascending aorta is associated with presence of aortic regurgitation in patients after repair of tetralogy of Fallot. International Journal of Cardiovascular Imaging, 2016, 32, 1265-1272.	1.5	18
89	Moderate Ischemic Mitral Regurgitation After Posterolateral Myocardial Infarction in Sheep Alters Left Ventricular Shear but Not Normal Strain in the Infarct and Infarct Borderzone. Annals of Thoracic Surgery, 2016, 101, 1691-1699.	1.3	10
90	High resolution imaging of the intracranial vessel wall at 3 and 7T using 3D fast spin echo MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 559-570.	2.0	59

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91	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
92	Intra-Arterial MR Perfusion Imaging of Meningiomas: Comparison to Digital Subtraction Angiography and Intravenous MR Perfusion Imaging. <i>PLoS ONE</i> , 2016, 11, e0163554.	2.5	4
93	Suture Forces for Closure of Transapical Transcatheter Aortic Valve Replacement: A Mathematical Model. <i>Journal of Heart Valve Disease</i> , 2016, 25, 424-429.	0.5	0
94	Left Atrial Transverse Diameter on Computed Tomography Angiography Can Accurately Diagnose Left Atrial Enlargement in Patients With Atrial Fibrillation. <i>Journal of Thoracic Imaging</i> , 2015, 30, 214-217.	1.5	14
95	Vascular Inflammation in a Growing Iliac Artery Aneurysm. <i>Clinical Nuclear Medicine</i> , 2015, 40, e323-e324.	1.3	0
96	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
97	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
98	Extended 3D approach for quantification of abnormal ascending aortic flow. <i>Magnetic Resonance Imaging</i> , 2015, 33, 695-700.	1.8	17
99	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
100	Cardiovascular magnetic resonance phase contrast imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 71.	3.3	184
101	Vascular Imaging With Ferumoxytol as a Contrast Agent. <i>American Journal of Roentgenology</i> , 2015, 205, W366-W373.	2.2	104
102	Ferumoxytol-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
103	MR Physics in Practice. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 1-6.	1.1	15
104	Computational Modeling of Flow-Altering Surgeries in Basilar Aneurysms. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1210-1222.	2.5	19
105	Four dimensional magnetic resonance velocimetry for complex flow in the jugular vein. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 635-7.	2.0	8
106	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
107	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
108	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

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109	Safety of retained microcatheters: an evaluation of radiofrequency heating in endovascular microcatheters with nitinol, tungsten, and polyetheretherketone braiding at 1.5T and 3T. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 314-319.	3.3	7
110	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.	3.3	18
111	Reduction of motion artifacts in carotid MRI using free-induction decay navigators. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 214-220.	3.4	13
112	Highly accelerated aortic 4D flow MR imaging with variable-density random undersampling. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1012-1020.	1.8	17
113	Self-Gated Free-Breathing 3D Coronary CINE Imaging with Simultaneous Water and Fat Visualization. <i>PLoS ONE</i> , 2014, 9, e89315.	2.5	15
114	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
115	Improved quantification of abnormal aortic flow in 3D compared to standard 2D approach. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, P232.	3.3	0
116	Reproducibility of quantitative analysis of aortic 4D flow data. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, .	3.3	4
117	Vascular Remodeling in Autogenous Arterio-Venous Fistulas by MRI and CFD. <i>Annals of Biomedical Engineering</i> , 2013, 41, 657-668.	2.5	56
118	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
119	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
120	Left Ventricular Pressure Gating in Ovine Cardiac Studies: A Software-Based Method. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 34502.	1.3	1
121	Silent Intralesional Microhemorrhage as a Risk Factor for Brain Arteriovenous Malformation Rupture. <i>Stroke</i> , 2012, 43, 1240-1246.	2.0	78
122	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
123	USPIO-enhanced MR Angiography of Arteriovenous Fistulas in Patients with Renal Failure. <i>Radiology</i> , 2012, 265, 584-590.	7.3	50
124	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
125	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
126	Imaging Biomarkers of Aortic Disease. <i>Journal of the American College of Cardiology</i> , 2012, 60, 356-357.	2.8	62



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127	The Benefit of Enhanced Contractility in the Infarct Borderzone: A Virtual Experiment. <i>Frontiers in Physiology</i> , 2012, 3, 86.	2.8	11
128	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
129	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
130	Diagnosing ulnar neuropathy at the elbow using magnetic resonance neurography. <i>Skeletal Radiology</i> , 2012, 41, 401-407.	2.0	48
131	Temporal Stability of Dymorphic Fusiform Aneurysms of the Intracranial Internal Carotid Artery. <i>Journal of Vascular and Interventional Radiology</i> , 2011, 22, 1007-1011.	0.5	3
132	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, 971-976.	1.1	16
133	Development of a Rapid, High Resolution Magnetic Resonance Imaging Protocol for the Assessment of Arteriovenous Fistula Remodeling. <i>Journal of Vascular Surgery</i> , 2011, 54, 592-593.	1.1	0
134	Giant Intracranial Aneurysms. <i>Neurosurgery</i> , 2011, 69, 1261-1271.	1.1	187
135	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
136	Moderate Mitral Regurgitation Accelerates Left Ventricular Remodeling After Posterolateral Myocardial Infarction. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1614-1620.	1.3	25
137	Cardiovascular magnetic resonance imaging in delivering and evaluating the efficacy of hepatocyte growth factor gene in chronic infarct scar. <i>Cardiovascular Revascularization Medicine</i> , 2011, 12, 111-122.	0.8	9
138	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
139	MR Imaging of Partially Thrombosed Cerebral Aneurysms: Characteristics and Evolution. <i>American Journal of Neuroradiology</i> , 2011, 32, 346-351.	2.4	35
140	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
141	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
142	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
143	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
144	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

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145	Modern meningioma imaging techniques. <i>Journal of Neuro-Oncology</i> , 2010, 99, 333-340.	2.9	81
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