# Michael V Mcconnell

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 130 papers | 9,671 citations | 50276 46 h-index | 37204 96 g-index |

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|---|---|---|---|
| 134 all docs | 134 docs citations | 134 times ranked | 14944 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Prediction of cardiovascular risk factors from retinal fundus photographs via deep learning. Nature Biomedical Engineering, 2018, 2, 158-164. | 22.5 | 1,114 |
| 2 | FeCo/graphitic-shell nanocrystals as advanced magnetic-resonance-imaging and near-infrared agents. Nature Materials, 2006, 5, 971-976. | 27.5 | 807 |
| 3 | Regional Right Ventricular Dysfunction Detected by Echocardiography in Acute Pulmonary Embolism. American Journal of Cardiology, 1996, 78, 469-473. | 1.6 | 647 |
| 4 | Continuous wireless pressure monitoring and mapping with ultra-small passive sensors for health monitoring and critical care. Nature Communications, 2014, 5, 5028. | 12.8 | 418 |
| 5 | Positive contrast magnetic resonance imaging of cells labeled with magnetic nanoparticles. Magnetic Resonance in Medicine, 2005, 53, 999-1005. | 3.0 | 390 |
| 6 | Twenty-four Hours of Sleep, Sedentary Behavior, and Physical Activity with Nine Wearable Devices. Medicine and Science in Sports and Exercise, 2016, 48, 457-465. | 0.4 | 265 |
| 7 | Identification of Anomalous Coronary Arteries and Their Anatomic Course by Magnetic Resonance Coronary Angiography. Circulation, 1995, 92, 3158-3162. | 1.6 | 265 |
| 8 | Inhibition of microRNA-29b reduces murine abdominal aortic aneurysm development. Journal of Clinical Investigation, 2012, 122, 497-506. | 8.2 | 259 |
| 9 | MicroRNA-21 Blocks Abdominal Aortic Aneurysm Development and Nicotine-Augmented Expansion. Science Translational Medicine, 2012, 4, 122ra22. | 12.4 | 255 |
| 10 | Routine Assessment and Promotion of Physical Activity in Healthcare Settings: A Scientific Statement From the American Heart Association. Circulation, 2018, 137, e495-e522. | 1.6 | 237 |
| 11 | Prospective adaptive navigator correction for breathâ€hold MR coronary angiography. Magnetic Resonance in Medicine, 1997, 37, 148-152. | 3.0 | 209 |
| 12 | Feasibility of Obtaining Measures of Lifestyle From a Smartphone App. JAMA Cardiology, 2017, 2, 67. | 6.1 | 207 |
| 13 | miR-24 limits aortic vascular inflammation and murine abdominal aneurysm development. Nature Communications, 2014, 5, 5214. | 12.8 | 187 |
| 14 | Society for Cardiovascular Magnetic Resonance guidelines for reporting cardiovascular magnetic resonance examinations. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 5. | 3.3 | 174 |
| 15 | Informed Consent. New England Journal of Medicine, 2017, 376, 856-867. | 27.0 | 158 |
| 16 | Deep learning predicts hip fracture using confounding patient and healthcare variables. Npj Digital Medicine, 2019, 2, 31. | 10.9 | 158 |
| 17 | Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. Journal of Magnetic Resonance Imaging, 1999, 10, 790-799. | 3.4 | 156 |
| 18 | The Use of Smartphones for Health Research. Academic Medicine, 2017, 92, 157-160. | 1.6 | 138 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A human ferritin iron oxide nanoâ€composite magnetic resonance contrast agent. Magnetic Resonance in Medicine, 2008, 60, 1073-1081. | 3.0 | 134 |
| 20 | Multicontrast black-blood MRI of carotid arteries: Comparison between 1.5 and 3 tesla magnetic field strengths. Journal of Magnetic Resonance Imaging, 2006, 23, 691-698. | 3.4 | 122 |
| 21 | Addressing the Controversy of Estimating Pulmonary Arterial Pressure by Echocardiography. Journal of the American Society of Echocardiography, 2016, 29, 93-102. | 2.8 | 111 |
| 22 | Dual in vivo magnetic resonance evaluation of magnetically labeled mouse embryonic stem cells and cardiac function at 1.5 t. Magnetic Resonance in Medicine, 2006, 55, 203-209. | 3.0 | 106 |
| 23 | Human ferritin cages for imaging vascular macrophages. Biomaterials, 2011, 32, 1430-1437. | 11.4 | 105 |
| 24 | Quantitative Tissue Characterization of Infarct Core and Border Zone in Patients With Ischemic Cardiomyopathy by Magnetic Resonance Is Associated With Future Cardiovascular Events. Journal of the American College of Cardiology, 2010, 55, 2762-2768. | 2.8 | 104 |
| 25 | Protein Cage Nanoparticles Bearing the LyP-1 Peptide for Enhanced Imaging of Macrophage-Rich Vascular Lesions. ACS Nano, 2011, 5, 2493-2502. | 14.6 | 98 |
| 26 | Hybrid referenceless and multibaseline subtraction MR thermometry for monitoring thermal therapies in moving organs. Medical Physics, 2010, 37, 5014-5026. | 3.0 | 96 |
| 27 | Mobile Health Advances in Physical Activity, Fitness, and Atrial Fibrillation. Journal of the American College of Cardiology, 2018, 71, 2691-2701. | 2.8 | 94 |
| 28 | MRI of Rabbit Atherosclerosis in Response to Dietary Cholesterol Lowering. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 1956-1959. | 2.4 | 93 |
| 29 | Recovery of regional right ventricular function after thrombolysis for pulmonary embolism. American Journal of Cardiology, 1999, 83, 804-806. | 1.6 | 93 |
| 30 | The Wild Wild West: A Framework to Integrate mHealth Software Applications and Wearables to Support Physical Activity Assessment, Counseling and Interventions for Cardiovascular Disease Risk Reduction. Progress in Cardiovascular Diseases, 2016, 58, 584-594. | 3.1 | 90 |
| 31 | Near Infrared Imaging and Photothermal Ablation of Vascular Inflammation Using Singleâ€Walled Carbon Nanotubes. Journal of the American Heart Association, 2012, 1, e002568. | 3.7 | 86 |
| 32 | In Vitro Validation of Finite Element Analysis of Blood Flow in Deformable Models. Annals of Biomedical Engineering, 2011, 39, 1947-1960. | 2.5 | 81 |
| 33 | Right Heart End-Systolic Remodeling Index Strongly Predicts Outcomes in Pulmonary Arterial Hypertension. Circulation: Cardiovascular Imaging, 2017, 10, . | 2.6 | 72 |
| 34 | Analysis of In Situ and Ex Vivo Vascular Endothelial Growth Factor Receptor Expression During Experimental Aortic Aneurysm Progression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1452-1457. | 2.4 | 69 |
| 35 | Freeâ€breathing multiphase wholeâ€heart coronary MR angiography using imageâ€based navigators and threeâ€dimensional cones imaging. Magnetic Resonance in Medicine, 2013, 69, 1083-1093. | 3.0 | 69 |
| 36 | Inflammatory Markers Associated With Subclinical Coronary Artery Disease: The Multicenter AIDS Cohort Study. Journal of the American Heart Association, 2016, 5, . | 3.7 | 65 |

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|---|---|---|---|
| 37 | RGD-Conjugated Human Ferritin Nanoparticles for Imaging Vascular Inflammation and Angiogenesis in Experimental Carotid and Aortic Disease. Molecular Imaging and Biology, 2012, 14, 315-324. | 2.6 | 64 |
| 38 | A Novel Stress Echocardiography Pattern for Myocardial Bridge With Invasive Structural and Hemodynamic Correlation. Journal of the American Heart Association, 2013, 2, e000097. | 3.7 | 61 |
| 39 | Nasal continuous positive airway pressure improves myocardial perfusion reserve and endothelial-dependent vasodilation in patients with obstructive sleep apnea. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 50. | 3.3 | 59 |
| 40 | Noninvasive assessment of coronary vasodilation using magnetic resonance angiography. Journal of the American College of Cardiology, 2005, 45, 104-110. | 2.8 | 58 |
| 41 | In Vitro Validation of Finite-Element Model of AAA Hemodynamics Incorporating Realistic Outlet Boundary Conditions. Journal of Biomechanical Engineering, 2011, 133, 041003. | 1.3 | 55 |
| 42 | Characterizing Cathepsin Activity and Macrophage Subtypes in Excised Human Carotid Plaques. Stroke, 2016, 47, 1101-1108. | 2.0 | 52 |
| 43 | The effect of digital physical activity interventions on daily step count: a randomised controlled crossover substudy of the MyHeart Counts Cardiovascular Health Study. The Lancet Digital Health, 2019, 1, e344-e352. | 12.3 | 52 |
| 44 | Quantitative characterization of myocardial infarction by cardiovascular magnetic resonance predicts future cardiovascular events in patients with ischemic cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 17. | 3.3 | 51 |
| 45 | A visual approach for the accurate determination of echocardiographic left ventricular ejection fraction by medical students. Journal of the American Society of Echocardiography, 2003, 16, 824-831. | 2.8 | 49 |
| 46 | Direct Evaluation of Myocardial Viability and Stem Cell Engraftment Demonstrates Salvage of the Injured Myocardium. Circulation Research, 2015, 116, e40-50. | 4.5 | 49 |
| 47 | ACC/AHA/ASE/ASNC/HRS/IAC/Mended Hearts/NASCI/RSNA/SAIP/SCAI/SCCT/SCMR/SNMMI 2014 Health Policy Statement on Use of Noninvasive Cardiovascular Imaging. Journal of the American College of Cardiology, 2014, 63, 698-721. | 2.8 | 47 |
| 48 | Relationship between Echocardiographic and Magnetic Resonance Derived Measures of Right Ventricular Size and Function in Patients with Pulmonary Hypertension. Journal of the American Society of Echocardiography, 2014, 27, 405-412. | 2.8 | 46 |
| 49 | Impact of a Genetic Risk Score for Coronary Artery Disease on Reducing Cardiovascular Risk: A Pilot Randomized Controlled Study. Frontiers in Cardiovascular Medicine, 2017, 4, 53. | 2.4 | 44 |
| 50 | Physical activity, sleep and cardiovascular health data for 50,000 individuals from the MyHeart Counts Study. Scientific Data, 2019, 6, 24. | 5.3 | 43 |
| 51 | Spiral magnetic resonance coronary angiography with rapid real-time localization. Journal of the American College of Cardiology, 2003, 41, 1134-1141. | 2.8 | 41 |
| 52 | RGD targeting of human ferritin iron oxide nanoparticles enhances in vivo MRI of vascular inflammation and angiogenesis in experimental carotid disease and abdominal aortic aneurysm. Journal of Magnetic Resonance Imaging, 2017, 45, 1144-1153. | 3.4 | 40 |
| 53 | The diagnosis of congenital coronary anomalies with magnetic resonance imaging. Coronary Artery Disease, 2001, 12, 621-626. | 0.7 | 39 |
| 54 | Dual-Modality Activity-Based Probes as Molecular Imaging Agents for Vascular Inflammation. Journal of Nuclear Medicine, 2016, 57, 1583-1590. | 5.0 | 39 |

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|---|---|---|---|
| 55 | Threeâ€dimensional firstâ€pass myocardial perfusion MRI using a stackâ€ofâ€spirals acquisition. Magnetic Resonance in Medicine, 2013, 69, 839-844. | 3.0 | 38 |
| 56 | Defining a Mobile Health Roadmap for Cardiovascular Health and Disease. Journal of the American Heart Association, 2016, 5, . | 3.7 | 38 |
| 57 | Highâ€contrast in vivo visualization of microvessels using novel FeCo/GC magnetic nanocrystals. Magnetic Resonance in Medicine, 2009, 62, 1497-1509. | 3.0 | 37 |
| 58 | Integrin-Targeted Molecular Imaging of Experimental Abdominal Aortic Aneurysms by <sup>18</sup> F-labeled Arg-Gly-Asp Positron-Emission Tomography. Circulation: Cardiovascular Imaging, 2013, 6, 950-956. | 2.6 | 36 |
| 59 | Bending the Curve in Cardiovascular Disease Mortality. Circulation, 2021, 143, 837-851. | 1.6 | 35 |
| 60 | Cathepsin Activity-Based Probes and Inhibitor for Preclinical Atherosclerosis Imaging and Macrophage Depletion. PLoS ONE, 2016, 11, e0160522. | 2.5 | 34 |
| 61 | Wearables, telemedicine, and artificial intelligence in arrhythmias and heart failure: Proceedings of the European Society of Cardiology Cardiovascular Round Table. Europace, 2022, 24, 1372-1383. | 1.7 | 34 |
| 62 | Adaptive correction of imaging plane position in segmented K-space cine cardiac MRI. Journal of Magnetic Resonance Imaging, 1997, 7, 811-814. | 3.4 | 31 |
| 63 | Dual Manganese-Enhanced and Delayed Gadolinium-Enhanced MRI Detects Myocardial Border Zone Injury in a Pig Ischemia-Reperfusion Model. Circulation: Cardiovascular Imaging, 2011, 4, 574-582. | 2.6 | 28 |
| 64 | Randomized Trial of Personal Genomics for Preventive Cardiology. Circulation: Cardiovascular Genetics, 2012, 5, 368-376. | 5.1 | 28 |
| 65 | Peri-Infarct Ischemia Determined by Cardiovascular Magnetic Resonance Evaluation of Myocardial Viability and Stress Perfusion Predicts Future Cardiovascular Events in Patients with Severe Ischemic Cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2006, 8, 773-779. | 3.3 | 27 |
| 66 | FeCo/Graphite Nanocrystals for Multi-Modality Imaging of Experimental Vascular Inflammation. PLoS ONE, 2011, 6, e14523. | 2.5 | 27 |
| 67 | Pathogenetic mechanisms of atherosclerosis: effect of lipid lowering on the biology of atherosclerosis. American Journal of Medicine, 1996, 101, 10S-16S. | 1.5 | 25 |
| 68 | Noninvasive assessment of coronary vasodilation using cardiovascular magnetic resonance in patients at high risk for coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 28. | 3.3 | 25 |
| 69 | Multimodal evaluation of in vivo magnetic resonance imaging of myocardial restoration by mouse embryonic stem cells. Journal of Thoracic and Cardiovascular Surgery, 2008, 136, 1028-1037.e1. | 0.8 | 25 |
| 70 | Impaired Coronary Vasodilation by Magnetic Resonance Angiography Is Associated With Advanced Coronary Artery Calcification. JACC: Cardiovascular Imaging, 2008, 1, 167-173. | 5.3 | 25 |
| 71 | In Vivo Real-Time Intravascular MRI. Journal of Cardiovascular Magnetic Resonance, 2002, 4, 223-232. | 3.3 | 24 |
| 72 | Spiral Magnetic Resonance Coronary Angiography?Direct Comparison of 1.5 Tesla vs. 3 Tesla. Journal of Cardiovascular Magnetic Resonance, 2004, 6, 877-884. | 3.3 | 24 |

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|---|---|---|---|
| 73 | Ultraselective Carbon Nanotubes for Photoacoustic Imaging of Inflamed Atherosclerotic Plaques. Advanced Functional Materials, 2021, 31, 2101005. | 14.9 | 24 |
| 74 | Manganeseâ€Enhanced Magnetic Resonance Imaging Enables In Vivo Confirmation of Periâ€Infarct Restoration Following Stem Cell Therapy in a Porcine Ischemiaâ€“Reperfusion Model. Journal of the American Heart Association, 2015, 4, . | 3.7 | 21 |
| 75 | Assessment of Elastase-Induced Murine Abdominal Aortic Aneurysms: Comparison of Ultrasound Imaging withIn SituVideo Microscopy. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-10. | 3.0 | 20 |
| 76 | Assessment of Elastin Deficit in a Marfan Mouse Aneurysm Model Using an Elastin-Specific Magnetic Resonance Imaging Contrast Agent. Circulation: Cardiovascular Imaging, 2014, 7, 690-696. | 2.6 | 20 |
| 77 | Right coronary wall cmr in the older asymptomatic advance cohort: positive remodeling and associations with type 2 diabetes and coronary calcium. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 75. | 3.3 | 19 |
| 78 | Dose-Dependent Cardioprotection of Moderate (32Â°C) Versus Mild (35Â°C) Therapeutic Hypothermia in Porcine AcuteÂMyocardial Infarction. JACC: Cardiovascular Interventions, 2018, 11, 195-205. | 2.9 | 19 |
| 79 | Physical Activity in Older Subjects Is Associated With Increased Coronary Vasodilation. JACC: Cardiovascular Imaging, 2011, 4, 622-629. | 5.3 | 18 |
| 80 | In Vivo Bioluminescence Imaging of Inducible Nitric Oxide Synthase Gene Expression in Vascular Inflammation. Molecular Imaging and Biology, 2011, 13, 1061-1066. | 2.6 | 17 |
| 81 | Clinician Innovator: A Novel Career Path in Academic Medicine. Journal of the American Heart Association, 2015, 4, e001990. | 3.7 | 17 |
| 82 | Regional right ventricular dysfunction in acute pulmonary embolism: relationship with clot burden and biomarker profile. International Journal of Cardiovascular Imaging, 2016, 32, 389-398. | 1.5 | 17 |
| 83 | Histological Characteristics of Myocardial Bridge With an Ultrasonic Echolucent Band. Circulation Journal, 2014, 78, 502-504. | 1.6 | 15 |
| 84 | Load Adaptability in Patients With Pulmonary Arterial Hypertension. American Journal of Cardiology, 2017, 120, 874-882. | 1.6 | 15 |
| 85 | Outcomes After Coronary Artery Calcium and Other Cardiovascular Biomarker Testing Among Asymptomatic Medicare Beneficiaries. Circulation: Cardiovascular Imaging, 2014, 7, 655-662. | 2.6 | 13 |
| 86 | Magnetic Resonance Imaging and Positron Emission Tomography Approaches to Imaging Vascular and Cardiac Inflammation. Circulation Journal, 2016, 80, 1269-1277. | 1.6 | 13 |
| 87 | Investigating the value of right heart echocardiographic metrics for detection of pulmonary hypertension in patients with advanced lung disease. International Journal of Cardiovascular Imaging, 2017, 33, 825-835. | 1.5 | 13 |
| 88 | High-resolution real-time spiral MRI for guiding vascular interventions in a rabbit model at 1.5T. Journal of Magnetic Resonance Imaging, 2005, 22, 687-690. | 3.4 | 12 |
| 89 | Mass fabrication and delivery of 3D multilayer Î¼Tags into living cells. Scientific Reports, 2013, 3, 2295. | 3.3 | 12 |
| 90 | Self-gated fat-suppressed cardiac cine MRI. Magnetic Resonance in Medicine, 2015, 73, 1764-1774. | 3.0 | 12 |

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|---|---|---|---|
| 91 | Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction. Radiology, 2016, 280, 815-825. | 7.3 | 12 |
| 92 | Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging. Radiology, 2016, 280, 826-836. | 7.3 | 12 |
| 93 | Bioluminescence and Magnetic Resonance Imaging of Macrophage Homing to Experimental Abdominal Aortic Aneurysms. Molecular Imaging, 2012, 11, 7290.2011.00033. | 1.4 | 11 |
| 94 | Fiber-Optic System for Dual-Modality Imaging of Glucose Probes 18F-FDG and 6-NBDG in Atherosclerotic Plaques. PLoS ONE, 2014, 9, e108108. | 2.5 | 10 |
| 95 | Dynamic Real?Time Architecture in Magnetic Resonance Coronary Angiography?A Prospective Clinical Trial. Journal of Cardiovascular Magnetic Resonance, 2004, 6, 885-894. | 3.3 | 9 |
| 96 | Molecular Imaging of Infective Endocarditis With 6â€²â€²-[ <sup>18</sup> F]Fluoromaltotriose Positron Emission Tomographyâ€“Computed Tomography. Circulation, 2020, 141, 1729-1731. | 1.6 | 9 |
| 97 | Smartphone-Based VO2max Measurement With Heart Snapshot in Clinical and Real-world Settings With a Diverse Population: Validation Study. JMIR MHealth and UHealth, 2021, 9, e26006. | 3.7 | 9 |
| 98 | Bioluminescence and magnetic resonance imaging of macrophage homing to experimental abdominal aortic aneurysms. Molecular Imaging, 2012, 11, 126-34. | 1.4 | 9 |
| 99 | A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. Scientific Reports, 2018, 8, 8992. | 3.3 | 8 |
| 100 | Cardiac Magnetic Resonance Imaging for Myocarditis. Circulation, 2006, 113, e842-3. | 1.6 | 7 |
| 101 | Telmisartan in the diabetic murine model of acute myocardial infarction: dual contrast manganese-enhanced and delayed enhancement MRI evaluation of the peri-infarct region. Cardiovascular Diabetology, 2016, 15, 24. | 6.8 | 7 |
| 102 | Prospective validation of smartphone-based heart rate and respiratory rate measurement algorithms. Communications Medicine, 2022, 2, . | 4.2 | 7 |
| 103 | Imaging techniques to predict cardiovascular risk. Current Cardiology Reports, 2000, 2, 300-307. | 2.9 | 6 |
| 104 | Real-Time Color-Flow CMR in Adults with Congenital Heart Disease. Journal of Cardiovascular Magnetic Resonance, 2006, 8, 809-815. | 3.3 | 6 |
| 105 | Ferumoxytol-enhanced cardiovascular magnetic resonance detection of early stage acute myocarditis. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 77. | 3.3 | 5 |
| 106 | Magnetic resonance coronary angiography. Current Cardiology Reports, 2003, 5, 55-62. | 2.9 | 4 |
| 107 | Scintillating Balloon-Enabled Fiber-Optic System for Radionuclide Imaging of Atherosclerotic Plaques. Journal of Nuclear Medicine, 2015, 56, 771-777. | 5.0 | 4 |
| 108 | Sexual Dimorphism of Coronary Artery Disease in a Low- and Intermediate-Risk Asymptomatic Population: Association with Coronary Vessel Wall Thickness at MRI in Women. Radiology: Cardiothoracic Imaging, 2019, 1, e180007. | 2.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | High-Gd-Payload P22 protein cage nanoparticles for imaging vascular inflammation. Journal of Cardiovascular Magnetic Resonance, 2013, 15, O66. | 3.3 | 3 |
| 110 | Respiratory-Mode Display of Echocardiographic Images Highlights Effects of Pericardial Disease. JACC: Cardiovascular Imaging, 2013, 6, 917-919. | 5.3 | 3 |
| 111 | 2105 Graphite/metal core-shell nanocrystals as MRI contrast agents to detect vascular inflammation. Journal of Cardiovascular Magnetic Resonance, 2008, 10, . | 3.3 | 2 |
| 112 | An unusual case of partial anomalous pulmonary venous drainage: Utility of the cardiac MRI. International Journal of Cardiology, 2009, 133, e35-e36. | 1.7 | 2 |
| 113 | Embolization of a Symptomatic Systemic to Pulmonary (Right-to-left) Venous Shunt Caused by Fibrosing Mediastinitis and Superior Vena Caval Occlusion. Journal of Vascular and Interventional Radiology, 2010, 21, 140-143. | 0.5 | 2 |
| 114 | In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques. Journal of Nuclear Medicine, 2019, 60, 1308-1316. | 5.0 | 2 |
| 115 | Ultraselective Carbon Nanotubes for Photoacoustic Imaging of Inflamed Atherosclerotic Plaques (Adv. Funct. Mater. 37/2021). Advanced Functional Materials, 2021, 31, 2170271. | 14.9 | 2 |
| 116 | Imaging atherosclerotic plaques in vivo using peptide-functionalized iron oxide nanoparticles. , 2013, , . | | 1 |
| 117 | Dual contrast enhanced cardiac MRI using manganese and gadolinium in patients with severe ischemic cardiomyopathy detects the peri-infarct region (PIR). Journal of Cardiovascular Magnetic Resonance, 2014, 16, O96. | 3.3 | 1 |
| 118 | Cardiac MRI detection of infarct size reduction with hypothermia in porcine ischemia reperfusion injury model. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P115. | 3.3 | 1 |
| 119 | A Crack in the Wall: Evolution of a Left Ventricular Apical Pseudoaneurysm. Canadian Journal of Cardiology, 2016, 32, 830.e7-830.e8. | 1.7 | 1 |
| 120 | Imaging atherosclerosis: lesion vs. lumen. Developments in Cardiovascular Medicine, 1996, , 93-107. | 0.1 | 1 |
| 121 | Imaging cellular pharmacokinetics of 18F-FDG and 6-NBDG uptake by inflammatory and stem cells. PLoS ONE, 2018, 13, e0192662. | 2.5 | 1 |
| 122 | Acute Dyspnea (Diastolic, Systolic LV Dysfunction, and Pulmonary Embolism). , 0, , 151-163. | | 0 |
| 123 | Feasibility of a whole-body 3 T MRI system for detecting macrophages in mouse carotid atherosclerosis using feco/graphite core-shell nanocrystals. Journal of Cardiovascular Magnetic Resonance, 2010, 12, . | 3.3 | 0 |
| 124 | RGD targeting of human ferritin iron-oxide nanoparticles enhances in vivo molecular MRI of experimental aortic aneurysms. Journal of Cardiovascular Magnetic Resonance, 2012, 14, . | 3.3 | 0 |
| 125 | Time-resolved early-to-late Gadolinium enhancement MRI using single breath-hold 3D spiral imaging. Journal of Cardiovascular Magnetic Resonance, 2012, 14, . | 3.3 | 0 |
| 126 | Manganese-enhanced MRI enables longitudinal tracking of transplanted stem cell viability in the murine myocardium. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O95. | 3.3 | 0 |

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|---|---|---|---|
| 127 | A Two Element Phased Array Coil Enabling Widespread Application of High Resolution MR Coronary Angiography. The Open Cardiovascular Imaging Journal, 2009, 1, 30-38. | 0.3 | 0 |
| 128 | Coronary Anomalies. , 2010, , 314-323. | | 0 |
| 129 | Abstract 255: Induction of microRNA-21 Inhibits Abdominal Aortic Aneurysm Development and Nicotine-Augmented Expansion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, . | 2.4 | 0 |
| 130 | Abstract 681: The Effects of a Sustained-Release N-acetylcysteine Prodrug on Vascular Inflammation in Experimental Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, . | 2.4 | 0 |