

Aart Johannes Nederveen

List of Publications by Year in descending order

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Version: 2024-02-01

281
papers

10,482
citations

34105

52
h-index

53230

85
g-index

286
all docs

286
docs citations

286
times ranked

15236
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Clinical intra-cardiac 4D flow CMR: acquisition, analysis, and clinical applications. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 154-165. | 1.2 | 19 |
| 2 | <sc>Whole-Heart 4D</sc> Flow <sc>MRI</sc> for Evaluation of Normal and Regurgitant Valvular Flow: A Quantitative Comparison Between <sc>Pseudo-6</sc>Spiral</sc> Sampling and <sc>EPI</sc> Readout. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1120-1130. | 3.4 | 4 |
| 3 | Dynamic MRI of swallowing: real-time volumetric imaging at 12 frames per second at 3ÅT. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 411-419. | 2.0 | 2 |
| 4 | A diffusion tensor-based method facilitating volumetric assessment of fiber orientations in skeletal muscle. <i>PLoS ONE</i> , 2022, 17, e0261777. | 2.5 | 1 |
| 5 | Multi-parametric quantitative magnetic resonance imaging of the upper arm muscles of patients with spinal muscular atrophy. <i>NMR in Biomedicine</i> , 2022, 35, e4696. | 2.8 | 3 |
| 6 | Comparative Analysis of Blood <sc>T₂</sc> Values Measured by <sc>T₂-TRIR</sc> and <sc>TRUST</sc>. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 516-526. | 3.4 | 6 |
| 7 | Dynamic MR imaging of cerebral perfusion during bicycling exercise. <i>NeuroImage</i> , 2022, 250, 118961. | 4.2 | 2 |
| 8 | The relationship between quantitative magnetic resonance imaging of the ankle plantar flexors, muscle function during walking and maximal strength in people with neuromuscular diseases. <i>Clinical Biomechanics</i> , 2022, 94, 105609. | 1.2 | 0 |
| 9 | Gender- and Age-Associated Differences in Bone Marrow Adipose Tissue and Bone Marrow Fat Unsaturation Throughout the Skeleton, Quantified Using Chemical Shift Encoding-Based Water-Fat MRI. <i>Frontiers in Endocrinology</i> , 2022, 13, 815835. | 3.5 | 11 |
| 10 | Aortic dilatation using cardiac magnetic resonance in asymptomatic ELITE athletes. <i>European Journal of Preventive Cardiology</i> , 2022, 29, . | 1.8 | 0 |
| 11 | Late gadolinium enhancement of the hinge point is a common finding in asymptomatic ELITE athletes. <i>European Journal of Preventive Cardiology</i> , 2022, 29, . | 1.8 | 0 |
| 12 | Longitudinal CMR assessment of cardiac global longitudinal strain and hemodynamic forces in a mouse model of heart failure. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 2385-2394. | 0.6 | 1 |
| 13 | Deep learning DCE-MRI parameter estimation: Application in pancreatic cancer. <i>Medical Image Analysis</i> , 2022, 80, 102512. | 11.6 | 17 |
| 14 | Supervised segmentation framework for evaluation of diffusion tensor imaging indices in skeletal muscle. <i>NMR in Biomedicine</i> , 2021, 34, e4406. | 2.8 | 5 |
| 15 | Quantitative perfusion mapping with induced transient hypoxia using BOLD MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 168-181. | 3.0 | 23 |
| 16 | Cerebral Blood Flow in Patients with Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 494-499. | 2.6 | 13 |
| 17 | Effects of Acquisition Parameter Modifications and Field Strength on the Reproducibility of Brain Perfusion Measurements Using Arterial Spin-Labeling. <i>American Journal of Neuroradiology</i> , 2021, 42, 109-115. | 2.4 | 10 |
| 18 | Hepatic Insulin Resistance Is Not Pathway Selective in Humans With Nonalcoholic Fatty Liver Disease. <i>Diabetes Care</i> , 2021, 44, 489-498. | 8.6 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Carotid plaque composition in persons with hemophilia: An explorative study with multi-contrast MRI. <i>Thrombosis Research</i> , 2021, 197, 138-140. | 1.7 | 1 |
| 20 | Quantification of Myocardial Creatine and Triglyceride Content in the Human Heart: Precision and Accuracy of in vivo Proton Magnetic Resonance Spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 411-420. | 3.4 | 9 |
| 21 | Fully quantitative mapping of abnormal aortic velocity and wall shear stress direction in patients with bicuspid aortic valves and repaired coarctation using 4D flow cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 9. | 3.3 | 12 |
| 22 | Retrospective Camera-Based Respiratory Gating in Clinical Whole-Heart 4D Flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 440-451. | 3.4 | 5 |
| 23 | Calibration of T ₂ oximetry MRI for subjects with sickle cell disease. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1019-1028. | 3.0 | 17 |
| 24 | Impairment of Cerebrovascular Hemodynamics in Patients With Severe and Milder Forms of Sickle Cell Disease. <i>Frontiers in Physiology</i> , 2021, 12, 645205. | 2.8 | 16 |
| 25 | Assessment of Imaging Modalities Against Liver Biopsy in Nonalcoholic Fatty Liver Disease: The Amsterdam NAFLD-NASH Cohort. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1937-1949. | 3.4 | 26 |
| 26 | Reduced global cerebral oxygen metabolic rate in sickle cell disease and chronic anemias. <i>American Journal of Hematology</i> , 2021, 96, 901-913. | 4.1 | 20 |
| 27 | Double delay alternating with nutation for tailored excitation facilitates banding-free isotropic high-resolution intracranial vessel wall imaging. <i>NMR in Biomedicine</i> , 2021, 34, e4567. | 2.8 | 3 |
| 28 | Editorial for "Quantification of Regional Cerebral Blood Flow Using Diffusion Imaging With Phase-Contrast". <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1687-1688. | 3.4 | 0 |
| 29 | Improved unsupervised physics-informed deep learning for intravoxel incoherent motion modeling and evaluation in pancreatic cancer patients. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2250-2265. | 3.0 | 41 |
| 30 | Cardiac Biomarker Kinetics and Their Association With Magnetic Resonance Measures of Cardiomyocyte Integrity Following a Marathon Run: Implications for Postexercise Biomarker Testing. <i>Journal of the American Heart Association</i> , 2021, 10, e020039. | 3.7 | 5 |
| 31 | Animal studies in clinical MRI scanners: A custom setup for combined fMRI and deep-brain stimulation in awake rats. <i>Journal of Neuroscience Methods</i> , 2021, 360, 109240. | 2.5 | 6 |
| 32 | Coronary Flow Assessment Using Accelerated 4D Flow MRI With Respiratory Motion Correction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 725833. | 4.1 | 3 |
| 33 | Phase I/II Study of LDE225 in Combination with Gemcitabine and Nab-Paclitaxel in Patients with Metastatic Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 4869. | 3.7 | 7 |
| 34 | Longitudinal relation between blood pressure, antihypertensive use and cerebral blood flow, using arterial spin labelling MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1756-1766. | 4.3 | 16 |
| 35 | Sympathetic activation by lower body negative pressure decreases kidney perfusion without inducing hypoxia in healthy humans. <i>Clinical Autonomic Research</i> , 2020, 30, 149-156. | 2.5 | 4 |
| 36 | Dynamic magnetic resonance measurements of calf muscle oxygenation and energy metabolism in peripheral artery disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 98-107. | 3.4 | 13 |

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|----|--|-----|-----------|
| 37 | An iterative sparse deconvolution method for simultaneous multicolor ¹⁹ F-MRI of multiple contrast agents. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 228-239. | 3.0 | 23 |
| 38 | T1 ρ -mapping for assessing knee joint cartilage in children with juvenile idiopathic arthritis – feasibility and repeatability. <i>Pediatric Radiology</i> , 2020, 50, 371-379. | 2.0 | 10 |
| 39 | The repeatability of bilateral diffusion tensor imaging (DTI) in the upper leg muscles of healthy adults. <i>European Radiology</i> , 2020, 30, 1709-1718. | 4.5 | 12 |
| 40 | Quantification of cerebral perfusion and cerebrovascular reserve using Turbo-QUASAR arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 731-748. | 3.0 | 11 |
| 41 | Inherently decoupled ¹ H antennas and ³¹ P loops for metabolic imaging of liver metastasis at 7 T. <i>NMR in Biomedicine</i> , 2020, 33, e4221. | 2.8 | 7 |
| 42 | Diagnostic accuracy of MRI and ultrasound in chronic immune-mediated neuropathies. <i>Neurology</i> , 2020, 94, e62-e74. | 1.1 | 51 |
| 43 | Compressed sensing MRI with variable density averaging (CS-VDA) outperforms full sampling at low SNR. <i>Physics in Medicine and Biology</i> , 2020, 65, 045004. | 3.0 | 3 |
| 44 | Assessment of fasted and fed gastrointestinal contraction frequencies in healthy subjects using continuously tagged MRI. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13747. | 3.0 | 11 |
| 45 | Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. <i>Molecular Metabolism</i> , 2020, 42, 101076. | 6.5 | 50 |
| 46 | No benefit of HDL mimetic CER-001 on carotid atherosclerosis in patients with genetically determined very low HDL levels. <i>Atherosclerosis</i> , 2020, 311, 13-19. | 0.8 | 21 |
| 47 | Donor Fecal Microbiota Transplantation Alters Gut Microbiota and Metabolites in Obese Individuals With Steatohepatitis. <i>Hepatology Communications</i> , 2020, 4, 1578-1590. | 4.3 | 71 |
| 48 | Data Assimilation for Full 4D PC-MRI Measurements: Physics-Based Denoising and Interpolation. <i>Computer Graphics Forum</i> , 2020, 39, 496-512. | 3.0 | 1 |
| 49 | The road to optimal acceleration of Dixon imaging and quantitative T2-mapping in the ankle using compressed sensing and parallel imaging. <i>European Journal of Radiology</i> , 2020, 132, 109295. | 2.6 | 4 |
| 50 | The Authors Reply. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2063-2064. | 5.3 | 0 |
| 51 | Quantification of Mitral Valve Regurgitation from 4D Flow MRI Using Semiautomated Flow Tracking. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200004. | 2.5 | 13 |
| 52 | Myocardial Injury and Compromised Cardiomyocyte Integrity Following a Marathon Run. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1445-1447. | 5.3 | 18 |
| 53 | Subclinical effects of long-chain fatty acid β -oxidation deficiency on the adult heart: A case-control magnetic resonance study. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 969-980. | 3.6 | 11 |
| 54 | ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , 2020, 219, 117031. | 4.2 | 80 |

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|----|---|-----|-----------|
| 55 | Juvenile Idiopathic Arthritis: Diffusion-weighted MRI in the Assessment of Arthritis in the Knee. <i>Radiology</i> , 2020, 295, 373-380. | 7.3 | 21 |
| 56 | Quantitative MRI Reveals Microstructural Changes in the Upper Leg Muscles After Running a Marathon. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 407-417. | 3.4 | 23 |
| 57 | High Spatiotemporal Resolution 4D Flow MRI of Intracranial Aneurysms at 7T in 10 Minutes. <i>American Journal of Neuroradiology</i> , 2020, 41, 1201-1208. | 2.4 | 27 |
| 58 | A 12-channel flexible receiver coil for accelerated tongue imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 581-590. | 2.0 | 4 |
| 59 | Pseudo-spiral sampling and compressed sensing reconstruction provides flexibility of temporal resolution in accelerated aortic 4D flow MRI: A comparison with k-t principal component analysis. <i>NMR in Biomedicine</i> , 2020, 33, e4255. | 2.8 | 17 |
| 60 | Highly accelerated 4D flow cardiovascular magnetic resonance using a pseudo-spiral Cartesian acquisition and compressed sensing reconstruction for carotid flow and wall shear stress. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 7. | 3.3 | 33 |
| 61 | Cerebral oxygen metabolism in adults with sickle cell disease. <i>American Journal of Hematology</i> , 2020, 95, 401-412. | 4.1 | 31 |
| 62 | Treatment with <i>Anaerobutyricum soehngenii</i> : a pilot study of safety and dose-response effects on glucose metabolism in human subjects with metabolic syndrome. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 16. | 6.4 | 53 |
| 63 | Re: Estimating the Population-level Effectiveness of Vaccination Programs in the Netherlands. <i>Epidemiology</i> , 2020, 31, e27-e29. | 2.7 | 0 |
| 64 | Pathological validation and prognostic potential of quantitative MRI in the characterization of pancreas cancer: preliminary experience. <i>Molecular Oncology</i> , 2020, 14, 2176-2189. | 4.6 | 23 |
| 65 | Locally advanced rectal cancer: 3D diffusion-prepared stimulated-echo turbo spin-echo versus 2D diffusion-weighted echo-planar imaging. <i>European Radiology Experimental</i> , 2020, 4, 9. | 3.4 | 2 |
| 66 | Ultra-high resolution, 3-dimensional magnetic resonance imaging of the atherosclerotic vessel wall at clinical 7T. <i>PLoS ONE</i> , 2020, 15, e0241779. | 2.5 | 3 |
| 67 | Marathon running transiently depletes the myocardial lipid pool. <i>Physiological Reports</i> , 2020, 8, e14543. | 1.7 | 5 |
| 68 | Hinge point fibrosis is highly prevalent in male elite water polo players. <i>European Heart Journal</i> , 2020, 41, . | 2.2 | 0 |
| 69 | Multi-center evaluation of stability and reproducibility of quantitative MRI measures in healthy calf muscles. <i>NMR in Biomedicine</i> , 2019, 32, e4119. | 2.8 | 50 |
| 70 | Aortic valve calcification volumes and chronic brain infarctions in patients undergoing transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 2123-2133. | 1.5 | 12 |
| 71 | Late-life brain perfusion after prenatal famine exposure. <i>Neurobiology of Aging</i> , 2019, 82, 1-9. | 3.1 | 10 |
| 72 | Plaque Permeability Assessed With DCE-MRI Associates With USPIO Uptake in Patients With Peripheral Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2081-2083. | 5.3 | 24 |

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|----|---|-----|-----------|
| 73 | Prospective validation of craniocaudal tumour size on MR imaging compared to histoPATHology in patients with uterine cervical cancer: The MPAC study. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 9-15. | 1.7 | 5 |
| 74 | White matter has impaired resting oxygen delivery in sickle cell patients. <i>American Journal of Hematology</i> , 2019, 94, 467-474. | 4.1 | 31 |
| 75 | Crossing muscle fibers of the human tongue resolved in vivo using constrained spherical deconvolution. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 96-105. | 3.4 | 11 |
| 76 | Magnetic resonance elastography of skeletal muscle deep tissue injury. <i>NMR in Biomedicine</i> , 2019, 32, e4087. | 2.8 | 14 |
| 77 | A novel magnetic resonance elastography transducer concept based on a rotational eccentric mass: preliminary experiences with the gravitational transducer. <i>Physics in Medicine and Biology</i> , 2019, 64, 045007. | 3.0 | 27 |
| 78 | Emerging Magnetic Resonance Imaging Techniques for Atherosclerosis Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 841-849. | 2.4 | 32 |
| 79 | Comparison of four MR carotid surface coils at 3T. <i>PLoS ONE</i> , 2019, 14, e0213107. | 2.5 | 4 |
| 80 | Exploration of New Contrasts, Targets, and MR Imaging and Spectroscopy Techniques for Neuromuscular Disease – A Workshop Report of Working Group 3 of the Biomedicine and Molecular Biosciences COST Action BM1304 MYO-MRI. <i>Journal of Neuromuscular Diseases</i> , 2019, 6, 1-30. | 2.6 | 46 |
| 81 | Abnormal blood flow and wall shear stress are present in corrected aortic coarctation despite successful surgical repair. <i>Journal of Cardiovascular Surgery</i> , 2019, 60, 152-154. | 0.6 | 4 |
| 82 | Bileaflet mechanical aortic valves do not alter ascending aortic wall shear stress. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 703-710. | 1.5 | 7 |
| 83 | An isolated beating pig heart platform for a comprehensive evaluation of intracardiac blood flow with 4D flow MRI: a feasibility study. <i>European Radiology Experimental</i> , 2019, 3, 40. | 3.4 | 8 |
| 84 | Detecting the effects of a standardized meal challenge on small bowel motility with MRI in prepared and unprepared bowel. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13506. | 3.0 | 11 |
| 85 | Hemodynamic provocation with acetazolamide shows impaired cerebrovascular reserve in adults with sickle cell disease. <i>Haematologica</i> , 2019, 104, 690-699. | 3.5 | 40 |
| 86 | Three-dimensional diffusion imaging with spiral encoded navigators from stimulated echoes (3D Δ DISPENSE). <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1052-1065. | 3.0 | 8 |
| 87 | Semi-quantitative cerebral blood flow parameters derived from non-invasive [¹⁵ O]H ₂ O PET studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 163-172. | 4.3 | 12 |
| 88 | Accelerated 4D phase contrast MRI in skeletal muscle contraction. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1799-1811. | 3.0 | 20 |
| 89 | Repeatability and correlations of dynamic contrast enhanced and T2* MRI in patients with advanced pancreatic ductal adenocarcinoma. <i>Magnetic Resonance Imaging</i> , 2018, 50, 1-9. | 1.8 | 16 |
| 90 | Dynamic MRI for bowel motility imaging – how fast and how long?. <i>British Journal of Radiology</i> , 2018, 91, 20170845. | 2.2 | 17 |

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|-----|---|-----|-----------|
| 91 | Aortic valve stenosis and aortic diameters determine the extent of increased wall shear stress in bicuspid aortic valve disease. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 522-530. | 3.4 | 47 |
| 92 | Intracranial 4D flow magnetic resonance imaging reveals altered haemodynamics in sickle cell disease. <i>British Journal of Haematology</i> , 2018, 180, 432-442. | 2.5 | 14 |
| 93 | Aneurysmal Parent Arteryâ€“Specific Inflow Conditions for Complete and Incomplete Circle of Willis Configurations. <i>American Journal of Neuroradiology</i> , 2018, 39, 910-915. | 2.4 | 16 |
| 94 | MR Spectroscopyâ€“derived Proton Density Fat Fraction Is Superior to Controlled Attenuation Parameter for Detecting and Grading Hepatic Steatosis. <i>Radiology</i> , 2018, 286, 547-556. | 7.3 | 79 |
| 95 | Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow. <i>Magnetic Resonance Imaging</i> , 2018, 47, 137-146. | 1.8 | 29 |
| 96 | Four-dimensional flow MRI of stented versus stentless aortic valve bioprostheses. <i>European Radiology</i> , 2018, 28, 257-264. | 4.5 | 11 |
| 97 | Vessel wall characterization using quantitative MRI: whatâ€™s in a number?. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 201-222. | 2.0 | 35 |
| 98 | Advanced cardiac MRI techniques for evaluation of left-sided valvular heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, spcone-spcone. | 3.4 | 1 |
| 99 | Spatial correlations between MRI-derived wall shear stress and vessel wall thickness in the carotid bifurcation. <i>European Radiology Experimental</i> , 2018, 2, 27. | 3.4 | 11 |
| 100 | MRI based 3D finite element modelling to investigate deep tissue injury. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 760-769. | 1.6 | 7 |
| 101 | Regional assessment of carotid artery pulse wave velocity using compressed sensing accelerated high temporal resolution 2D CINE phase contrast cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 86. | 3.3 | 17 |
| 102 | Distinctive tics suppression network in Gilles de la Tourette syndrome distinguished from suppression of natural urges using multimodal imaging. <i>NeuroImage: Clinical</i> , 2018, 20, 783-792. | 2.7 | 29 |
| 103 | Breast magnetic resonance elastography: a review of clinical work and future perspectives. <i>NMR in Biomedicine</i> , 2018, 31, e3932. | 2.8 | 24 |
| 104 | Comparison of six fit algorithms for the intra-voxel incoherent motion model of diffusion-weighted magnetic resonance imaging data of pancreatic cancer patients. <i>PLoS ONE</i> , 2018, 13, e0194590. | 2.5 | 44 |
| 105 | Evaluation of Six Diffusion-weighted MRI Models for Assessing Effects of Neoadjuvant Chemoradiation in Pancreatic Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1052-1062. | 0.8 | 20 |
| 106 | Effects of systematic partial volume errors on the estimation of gray matter cerebral blood flow with arterial spin labeling MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 725-734. | 2.0 | 20 |
| 107 | An advanced magnetic resonance imaging perspective on the etiology of deep tissue injury. <i>Journal of Applied Physiology</i> , 2018, 124, 1580-1596. | 2.5 | 16 |
| 108 | Diffusion tensor MRI of the healthy brachial plexus. <i>PLoS ONE</i> , 2018, 13, e0196975. | 2.5 | 17 |

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|-----|--|-----|-----------|
| 109 | Advanced cardiac MRI techniques for evaluation of left-sided valvular heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 318-329. | 3.4 | 33 |
| 110 | Reduced Cerebral Metabolic Rate of Oxygen in Adults with Sickle Cell Disease. <i>Blood</i> , 2018, 132, 11-11. | 1.4 | 7 |
| 111 | SAT0644â€¦T1rho mapping in the assessment of articular cartilage integrity of the knee in children with juvenile idiopathic arthritis. , 2018, , . | | 0 |
| 112 | B1-based SAR reconstruction using contrast source inversionâ€œelectric properties tomography (CSI-EPT). <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 225-233. | 2.8 | 11 |
| 113 | Skeletal muscle diffusion tensorâ€œMRI fiber tracking: rationale, data acquisition and analysis methods, applications and future directions. <i>NMR in Biomedicine</i> , 2017, 30, e3563. | 2.8 | 68 |
| 114 | A tri-exponential model for intravoxel incoherent motion analysis of the human kidney: In silico and during pharmacological renal perfusion modulation. <i>European Journal of Radiology</i> , 2017, 91, 168-174. | 2.6 | 28 |
| 115 | Impact of Structural Cerebral Damage in Adults With Tetralogy of Fallot. <i>Circulation</i> , 2017, 135, 1873-1875. | 1.6 | 6 |
| 116 | Hepatic Diacylglycerol-Associated Protein Kinase CÎµ Translocation Links Hepatic Steatosis to Hepatic Insulin Resistance in Humans. <i>Cell Reports</i> , 2017, 19, 1997-2004. | 6.4 | 117 |
| 117 | Effect of Long-Term Vascular Care on Progression of Cerebrovascular Lesions. <i>Stroke</i> , 2017, 48, 1842-1848. | 2.0 | 32 |
| 118 | The spatial coefficient of variation in arterial spin labeling cerebral blood flow images. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3184-3192. | 4.3 | 76 |
| 119 | Addition of MRI for CT-based pancreatic tumor delineation: a feasibility study. <i>Acta OncolÃ³gica</i> , 2017, 56, 923-930. | 1.8 | 23 |
| 120 | Diffusionâ€œprepared stimulatedâ€œecho turbo spin echo (DPstiaâ€œTSE): An eddy currentâ€œinsensitive sequence for threeâ€œdimensional highâ€œresolution and undistorted diffusionâ€œweighted imaging. <i>NMR in Biomedicine</i> , 2017, 30, e3719. | 2.8 | 25 |
| 121 | Accelerated 4D selfâ€œgated MRI of tibiofemoral kinematics. <i>NMR in Biomedicine</i> , 2017, 30, e3791. | 2.8 | 13 |
| 122 | Learningâ€œbased automated segmentation of the carotid artery vessel wall in dualâ€œsequence MRI using subdivision surface fitting. <i>Medical Physics</i> , 2017, 44, 5244-5259. | 3.0 | 15 |
| 123 | Evaluation of ultrasmall superparamagnetic iron-oxide (USPIO) enhanced MRI with ferumoxytol to quantify arterial wall inflammation. <i>Atherosclerosis</i> , 2017, 263, 211-218. | 0.8 | 53 |
| 124 | Water and fat separation in realâ€œtime MRI of joint movement with phaseâ€œsensitive bSSFP. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 58-68. | 3.0 | 5 |
| 125 | Investigations of Carotid Stenosis to Identify Vulnerable Atherosclerotic Plaque and Determine Individual Stroke Risk. <i>Circulation Journal</i> , 2017, 81, 1246-1253. | 1.6 | 17 |
| 126 | Human Cardiac 31P-MR Spectroscopy at 3 Tesla Cannot Detect Failing Myocardial Energy Homeostasis during Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 939. | 2.8 | 28 |

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|-----|---|-----|-----------|
| 127 | A MRI-Compatible Combined Mechanical Loading and MR Elastography Setup to Study Deformation-Induced Skeletal Muscle Damage in Rats. PLoS ONE, 2017, 12, e0169864. | 2.5 | 16 |
| 128 | Reduced Cerebrovascular Reserve Capacity in Adults with Sickle Cell Disease. Blood, 2017, 130, 972-972. | 1.4 | 1 |
| 129 | MRI-based biomechanical parameters for carotid artery plaque vulnerability assessment. Thrombosis and Haemostasis, 2016, 115, 493-500. | 3.4 | 10 |
| 130 | Glycerophosphocholine and Glycerophosphoethanolamine Are Not the Main Sources of the In Vivo ³¹ P MRS Phosphodiester Signals from Healthy Fibroglandular Breast Tissue at 7 T. Frontiers in Oncology, 2016, 6, 29. | 2.8 | 13 |
| 131 | The Effect of Spatial and Temporal Resolution of Cine Phase Contrast MRI on Wall Shear Stress and Oscillatory Shear Index Assessment. PLoS ONE, 2016, 11, e0163316. | 2.5 | 47 |
| 132 | SP224TRI ² EXPONENTIAL APPROACH FOR INTRAVOXEL INCOHERENT MOTION ANALYSIS OF MULTI-B ² VALUE DIFFUSION WEIGHTED MRI DATA FOLLOWS GFR CHANGES IN HEALTHY HUMANS. Nephrology Dialysis Transplantation, 2016, 31, i161-i161. | 0.7 | 0 |
| 133 | Minimizing the Acquisition Time for Intravoxel Incoherent Motion Magnetic Resonance Imaging Acquisitions in the Liver and Pancreas. Investigative Radiology, 2016, 51, 211-220. | 6.2 | 37 |
| 134 | Revisiting the Potential of Alternating Repetition Time Balanced Steady-State Free Precession Imaging of the Abdomen at 3 T. Investigative Radiology, 2016, 51, 560-568. | 6.2 | 4 |
| 135 | Techniques and applications of skeletal muscle diffusion tensor imaging: A review. Journal of Magnetic Resonance Imaging, 2016, 43, 773-788. | 3.4 | 135 |
| 136 | Quantitative agreement between [¹⁵ O]H ₂ O PET and model free QUASAR MRI-derived cerebral blood flow and arterial blood volume. NMR in Biomedicine, 2016, 29, 519-526. | 2.8 | 10 |
| 137 | Diffusion-prepared neurography of the brachial plexus with a large field-of-view at 3T. Journal of Magnetic Resonance Imaging, 2016, 43, 644-654. | 3.4 | 14 |
| 138 | Three-dimensional quantitative T ₁ and T ₂ mapping of the carotid artery: Sequence design and in vivo feasibility. Magnetic Resonance in Medicine, 2016, 75, 1008-1017. | 3.0 | 43 |
| 139 | Determinants of resting cerebral blood flow in sickle cell disease. American Journal of Hematology, 2016, 91, 912-917. | 4.1 | 76 |
| 140 | Risk factor analysis of cerebral white matter hyperintensities in children with sickle cell disease. British Journal of Haematology, 2016, 172, 274-284. | 2.5 | 25 |
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