

# Aart Johannes Nederveen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

268  
papers

7,901  
citations

46  
h-index

75  
g-index

286  
ext. papers

9,327  
ext. citations

5.4  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
268	A diffusion tensor-based method facilitating volumetric assessment of fiber orientations in skeletal muscle.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0261777	3.7	0
267	Multi-modal MR imaging of the upper arm muscles of patients with Spinal Muscular Atrophy.. <i>NMR in Biomedicine</i> , <b>2022</b> , e4696	4.4	
266	Dynamic MR imaging of cerebral perfusion during bicycling exercise.. <i>NeuroImage</i> , <b>2022</b> , 250, 118961	7.9	0
265	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> , <b>2022</b> , 94, 105609	2.2	
264	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> , <b>2022</b> , 13, 815835	5.7	0
263	Dynamic MRI of swallowing: real-time volumetric imaging at 12 frames per second at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2021</b> , 1	2.8	
262	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> , <b>2021</b> , 41, 1756-1766	7.3	4
261	Retrospective Camera-Based Respiratory Gating in Clinical Whole-Heart 4D Flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 54, 440-451	5.6	2
260	Calibration of T oximetry MRI for subjects with sickle cell disease. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 1019-1028	4.4	3
259	Impairment of Cerebrovascular Hemodynamics in Patients With Severe and Milder Forms of Sickle Cell Disease. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 645205	4.6	2
258	Assessment of Imaging Modalities Against Liver Biopsy in Nonalcoholic Fatty Liver Disease: The Amsterdam NAFLD-NASH Cohort. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 54, 1937-1949	5.6	4
257	Reduced global cerebral oxygen metabolic rate in sickle cell disease and chronic anemias. <i>American Journal of Hematology</i> , <b>2021</b> , 96, 901-913	7.1	3
256	Double delay alternating with nutation for tailored excitation facilitates banding-free isotropic high-resolution intracranial vessel wall imaging. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4567	4.4	1
255	Improved unsupervised physics-informed deep learning for intravoxel incoherent motion modeling and evaluation in pancreatic cancer patients. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 2250-2265	4.4	10
254	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> , <b>2021</b> , 10, e020039	6	2
253	Supervised segmentation framework for evaluation of diffusion tensor imaging indices in skeletal muscle. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4406	4.4	5
252	Quantitative perfusion mapping with induced transient hypoxia using BOLD MRI. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 168-181	4.4	6

251	Cerebral Blood Flow in Patients with Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation. <i>Journal of the American Geriatrics Society</i> , <b>2021</b> , 69, 494-499	5.6	3
250	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> , <b>2021</b> , 42, 109-115	4.4	5
249	Hepatic Insulin Resistance Is Not Pathway Selective in Humans With Nonalcoholic Fatty Liver Disease. <i>Diabetes Care</i> , <b>2021</b> , 44, 489-498	14.6	18
248	Carotid plaque composition in persons with hemophilia: An explorative study with multi-contrast MRI. <i>Thrombosis Research</i> , <b>2021</b> , 197, 138-140	8.2	
247	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> , <b>2021</b> , 54, 411-420	5.6	2
246	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> , <b>2021</b> , 23, 9	6.9	3
245	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> , <b>2021</b> , 360, 109240	3	2
244	Coronary Flow Assessment Using Accelerated 4D Flow MRI With Respiratory Motion Correction. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 725833	5.8	
243	Quantification of Mitral Valve Regurgitation from 4D Flow MRI Using Semiautomated Flow Tracking. <i>Radiology: Cardiothoracic Imaging</i> , <b>2020</b> , 2, e200004	8.3	2
242	Myocardial Injury and Compromised Cardiomyocyte Integrity Following a Marathon Run. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1445-1447	8.4	8
241	Subclinical effects of long-chain fatty acid $\beta$ -oxidation deficiency on the adult heart: A case-control magnetic resonance study. <i>Journal of Inherited Metabolic Disease</i> , <b>2020</b> , 43, 969-980	5.4	4
240	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , <b>2020</b> , 219, 117031	7.9	25
239	Juvenile Idiopathic Arthritis: Diffusion-weighted MRI in the Assessment of Arthritis in the Knee. <i>Radiology</i> , <b>2020</b> , 295, 373-380	20.5	8
238	Quantitative MRI Reveals Microstructural Changes in the Upper Leg Muscles After Running a Marathon. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 52, 407-417	5.6	10
237	High Spatiotemporal Resolution 4D Flow MRI of Intracranial Aneurysms at 7T in 10 Minutes. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 1201-1208	4.4	9
236	A 12-channel flexible receiver coil for accelerated tongue imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2020</b> , 33, 581-590	2.8	3
235	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> , <b>2020</b> , 33, e4255	4.4	7
234	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> , <b>2020</b> , 22, 7	6.9	18

233	Cerebral oxygen metabolism in adults with sickle cell disease. <i>American Journal of Hematology</i> , <b>2020</b> , 95, 401-412	7.1	10
232	Treatment with Anaerobutyricum soehngenii: a pilot study of safety and dose-response effects on glucose metabolism in human subjects with metabolic syndrome. <i>Npj Biofilms and Microbiomes</i> , <b>2020</b> , 6, 16	8.2	26
231	Re: Estimating the Population-level Effectiveness of Vaccination Programs in the Netherlands. <i>Epidemiology</i> , <b>2020</b> , 31, e27-e29	3.1	
230	Locally advanced rectal cancer: 3D diffusion-prepared stimulated-echo turbo spin-echo versus 2D diffusion-weighted echo-planar imaging. <i>European Radiology Experimental</i> , <b>2020</b> , 4, 9	4.5	2
229	Ultra-high resolution, 3-dimensional magnetic resonance imaging of the atherosclerotic vessel wall at clinical 7T. <i>PLoS ONE</i> , <b>2020</b> , 15, e0241779	3.7	1
228	Marathon running transiently depletes the myocardial lipid pool. <i>Physiological Reports</i> , <b>2020</b> , 8, e14543	2.6	3
227	T-mapping for assessing knee joint cartilage in children with juvenile idiopathic arthritis - feasibility and repeatability. <i>Pediatric Radiology</i> , <b>2020</b> , 50, 371-379	2.8	6
226	The repeatability of bilateral diffusion tensor imaging (DTI) in the upper leg muscles of healthy adults. <i>European Radiology</i> , <b>2020</b> , 30, 1709-1718	8	4
225	Quantification of cerebral perfusion and cerebrovascular reserve using Turbo-QUASAR arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 731-748	4.4	7
224	Inherently decoupled H antennas and P loops for metabolic imaging of liver metastasis at 7 T. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4221	4.4	3
223	Diagnostic accuracy of MRI and ultrasound in chronic immune-mediated neuropathies. <i>Neurology</i> , <b>2020</b> , 94, e62-e74	6.5	26
222	Compressed sensing MRI with variable density averaging (CS-VDA) outperforms full sampling at low SNR. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 045004	3.8	2
221	Assessment of fasted and fed gastrointestinal contraction frequencies in healthy subjects using continuously tagged MRI. <i>Neurogastroenterology and Motility</i> , <b>2020</b> , 32, e13747	4	6
220	Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. <i>Molecular Metabolism</i> , <b>2020</b> , 42, 101076	8.8	15
219	No benefit of HDL mimetic CER-001 on carotid atherosclerosis in patients with genetically determined very low HDL levels. <i>Atherosclerosis</i> , <b>2020</b> , 311, 13-19	3.1	14
218	Donor Fecal Microbiota Transplantation Alters Gut Microbiota and Metabolites in Obese Individuals With Steatohepatitis. <i>Hepatology Communications</i> , <b>2020</b> , 4, 1578-1590	6	26
217	Data Assimilation for Full 4D PC-MRI Measurements: Physics-Based Denoising and Interpolation. <i>Computer Graphics Forum</i> , <b>2020</b> , 39, 496-512	2.4	1
216	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> , <b>2020</b> , 132, 109295	4.7	0

215	The Authors Reply. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 2063-2064	8.4	
214	Sympathetic activation by lower body negative pressure decreases kidney perfusion without inducing hypoxia in healthy humans. <i>Clinical Autonomic Research</i> , <b>2020</b> , 30, 149-156	4.3	3
213	Dynamic magnetic resonance measurements of calf muscle oxygenation and energy metabolism in peripheral artery disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 51, 98-107	5.6	9
212	An iterative sparse deconvolution method for simultaneous multicolor F-MRI of multiple contrast agents. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 228-239	4.4	16
211	Pathological validation and prognostic potential of quantitative MRI in the characterization of pancreas cancer: preliminary experience. <i>Molecular Oncology</i> , <b>2020</b> , 14, 2176-2189	7.9	9
210	White matter has impaired resting oxygen delivery in sickle cell patients. <i>American Journal of Hematology</i> , <b>2019</b> , 94, 467-474	7.1	22
209	Crossing muscle fibers of the human tongue resolved in vivo using constrained spherical deconvolution. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 96-105	5.6	9
208	Magnetic resonance elastography of skeletal muscle deep tissue injury. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4087	4.4	6
207	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> , <b>2019</b> , 64, 045007	3.8	13
206	Emerging Magnetic Resonance Imaging Techniques for Atherosclerosis Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 841-849	9.4	18
205	Comparison of four MR carotid surface coils at 3T. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213107	3.7	4
204	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> , <b>2019</b> , 6, 1-30	5	32
203	Abnormal blood flow and wall shear stress are present in corrected aortic coarctation despite successful surgical repair. <i>Journal of Cardiovascular Surgery</i> , <b>2019</b> , 60, 152-154	0.7	4
202	Bileaflet mechanical aortic valves do not alter ascending aortic wall shear stress. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 703-710	2.5	4
201	Multi-center evaluation of stability and reproducibility of quantitative MRI measures in healthy calf muscles. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4119	4.4	25
200	Aortic valve calcification volumes and chronic brain infarctions in patients undergoing transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 2123-2133	2.5	3
199	Late-life brain perfusion after prenatal famine exposure. <i>Neurobiology of Aging</i> , <b>2019</b> , 82, 1-9	5.6	9
198	Plaque Permeability Assessed With DCE-MRI Associates With USPIO Uptake in Patients With Peripheral Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 2081-2083	8.4	12

197	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> , <b>2019</b> , 18, 9-15	4.6	3
196	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> , <b>2019</b> , 3, 40	4.5	3
195	Detecting the effects of a standardized meal challenge on small bowel motility with MRI in prepared and unprepared bowel. <i>Neurogastroenterology and Motility</i> , <b>2019</b> , 31, e13506	4	8
194	Hemodynamic provocation with acetazolamide shows impaired cerebrovascular reserve in adults with sickle cell disease. <i>Haematologica</i> , <b>2019</b> , 104, 690-699	6.6	21
193	Three-dimensional diffusion imaging with spiral encoded navigators from stimulated echoes (3D-DISPENSE). <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 1052-1065	4.4	8
192	Semi-quantitative cerebral blood flow parameters derived from non-invasive [O]HO PET studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2019</b> , 39, 163-172	7.3	7
191	Accelerated 4D phase contrast MRI in skeletal muscle contraction. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1799-1811	4.4	12
190	Repeatability and correlations of dynamic contrast enhanced and T2* MRI in patients with advanced pancreatic ductal adenocarcinoma. <i>Magnetic Resonance Imaging</i> , <b>2018</b> , 50, 1-9	3.3	12
189	Dynamic MRI for bowel motility imaging-how fast and how long?. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20170845	3.4	10
188	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> , <b>2018</b> , 48, 522-530	5.6	37
187	Intracranial 4D flow magnetic resonance imaging reveals altered haemodynamics in sickle cell disease. <i>British Journal of Haematology</i> , <b>2018</b> , 180, 432-442	4.5	10
186	Aneurysmal Parent Artery-Specific Inflow Conditions for Complete and Incomplete Circle of Willis Configurations. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 910-915	4.4	11
185	MR Spectroscopy-derived Proton Density Fat Fraction Is Superior to Controlled Attenuation Parameter for Detecting and Grading Hepatic Steatosis. <i>Radiology</i> , <b>2018</b> , 286, 547-556	20.5	52
184	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> , <b>2018</b> , 31, 725-734	2.8	12
183	An advanced magnetic resonance imaging perspective on the etiology of deep tissue injury. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 1580-1596	3.7	14
182	Diffusion tensor MRI of the healthy brachial plexus. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196975	3.7	12
181	Advanced cardiac MRI techniques for evaluation of left-sided valvular heart disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 318-329	5.6	14
180	Reduced Cerebral Metabolic Rate of Oxygen in Adults with Sickle Cell Disease. <i>Blood</i> , <b>2018</b> , 132, 11-11	2.2	4

179	Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow. <i>Magnetic Resonance Imaging</i> , <b>2018</b> , 47, 137-146	3.3	19
178	Four-dimensional flow MRI of stented versus stentless aortic valve bioprostheses. <i>European Radiology</i> , <b>2018</b> , 28, 257-264	8	11
177	Vessel wall characterization using quantitative MRI: what's in a number?. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2018</b> , 31, 201-222	2.8	22
176	Spatial correlations between MRI-derived wall shear stress and vessel wall thickness in the carotid bifurcation. <i>European Radiology Experimental</i> , <b>2018</b> , 2, 27	4.5	10
175	MRI based 3D finite element modelling to investigate deep tissue injury. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2018</b> , 21, 760-769	2.1	3
174	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> , <b>2018</b> , 20, 86	6.9	14
173	Distinctive tics suppression network in Gilles de la Tourette syndrome distinguished from suppression of natural urges using multimodal imaging. <i>NeuroImage: Clinical</i> , <b>2018</b> , 20, 783-792	5.3	24
172	Breast magnetic resonance elastography: a review of clinical work and future perspectives. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e3932	4.4	14
171	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> , <b>2018</b> , 13, e0194590	3.7	34
170	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> , <b>2018</b> , 102, 1052-1062	4	12
169	B1-based SAR reconstruction using contrast source inversion-electric properties tomography (CSI-EPT). <i>Medical and Biological Engineering and Computing</i> , <b>2017</b> , 55, 225-233	3.1	8
168	Skeletal muscle diffusion tensor-MRI fiber tracking: rationale, data acquisition and analysis methods, applications and future directions. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3563	4.4	43
167	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> , <b>2017</b> , 91, 168-174	4.7	15
166	Impact of Structural Cerebral Damage in Adults With Tetralogy of Fallot. <i>Circulation</i> , <b>2017</b> , 135, 1873-1875	5.7	5
165	Hepatic Diacylglycerol-Associated Protein Kinase C $\delta$ Translocation Links Hepatic Steatosis to Hepatic Insulin Resistance in Humans. <i>Cell Reports</i> , <b>2017</b> , 19, 1997-2004	10.6	89
164	Effect of Long-Term Vascular Care on Progression of Cerebrovascular Lesions: Magnetic Resonance Imaging Substudy of the PreDIVA Trial (Prevention of Dementia by Intensive Vascular Care). <i>Stroke</i> , <b>2017</b> , 48, 1842-1848	6.7	20
163	The spatial coefficient of variation in arterial spin labeling cerebral blood flow images. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 3184-3192	7.3	52
162	Addition of MRI for CT-based pancreatic tumor delineation: a feasibility study. <i>Acta Oncologica</i> , <b>2017</b> , 56, 923-930	3.2	18

161	Diffusion-prepared stimulated-echo turbo spin echo (DPsti-TSE): An eddy current-insensitive sequence for three-dimensional high-resolution and undistorted diffusion-weighted imaging. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3719	4.4	18
160	Accelerated 4D self-gated MRI of tibiofemoral kinematics. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3791	4.4	7
159	Learning-based automated segmentation of the carotid artery vessel wall in dual-sequence MRI using subdivision surface fitting. <i>Medical Physics</i> , <b>2017</b> , 44, 5244-5259	4.4	10
158	Evaluation of ultrasmall superparamagnetic iron-oxide (USPIO) enhanced MRI with ferumoxytol to quantify arterial wall inflammation. <i>Atherosclerosis</i> , <b>2017</b> , 263, 211-218	3.1	40
157	Water and fat separation in real-time MRI of joint movement with phase-sensitive bSSFP. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 58-68	4.4	3
156	Investigations of Carotid Stenosis to Identify Vulnerable Atherosclerotic Plaque and Determine Individual Stroke Risk. <i>Circulation Journal</i> , <b>2017</b> , 81, 1246-1253	2.9	12
155	Human Cardiac P-MR Spectroscopy at 3 Tesla Cannot Detect Failing Myocardial Energy Homeostasis during Exercise. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 939	4.6	16
154	A MRI-Compatible Combined Mechanical Loading and MR Elastography Setup to Study Deformation-Induced Skeletal Muscle Damage in Rats. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169864	3.7	13
153	Reduced Cerebrovascular Reserve Capacity in Adults with Sickle Cell Disease. <i>Blood</i> , <b>2017</b> , 130, 972-972	2.2	1
152	Evaluating Classifiers for Atherosclerotic Plaque Component Segmentation in MRI. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 156-168	0.3	
151	Noninvasive Differentiation between Hepatic Steatosis and Steatohepatitis with MR Imaging Enhanced with USPIOs in Patients with Nonalcoholic Fatty Liver Disease: A Proof-of-Concept Study. <i>Radiology</i> , <b>2016</b> , 278, 782-91	20.5	38
150	Thresholds for Arterial Wall Inflammation Quantified by F-FDG PET Imaging: Implications for Vascular Interventional Studies. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 1198-1207	8.4	63
149	Comparison of clinical MRI liver iron content measurements using signal intensity ratios, R and R. <i>Abdominal Radiology</i> , <b>2016</b> , 41, 2123-2131	3	11
148	Prenatal famine exposure has sex-specific effects on brain size. <i>Brain</i> , <b>2016</b> , 139, 2136-42	11.2	42
147	Assessment of passive muscle elongation using Diffusion Tensor MRI: Correlation between fiber length and diffusion coefficients. <i>NMR in Biomedicine</i> , <b>2016</b> , 29, 1813-1824	4.4	13
146	Abdominal organ motion during inhalation and exhalation breath-holds: pancreatic motion at different lung volumes compared. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 121, 268-275	5.3	21
145	Increased arterial wall inflammation in patients with ankylosing spondylitis is reduced by statin therapy. <i>Annals of the Rheumatic Diseases</i> , <b>2016</b> , 75, 1848-51	2.4	22
144	A novel diffusion-tensor MRI approach for skeletal muscle fascicle length measurements. <i>Physiological Reports</i> , <b>2016</b> , 4, e13012	2.6	19



143	In Vivo Reconstruction of Lumbar Erector Spinae Architecture Using Diffusion Tensor MRI. <i>Clinical Spine Surgery</i> , <b>2016</b> , 29, E139-45	1.8	8
142	HDL mimetic CER-001 targets atherosclerotic plaques in patients. <i>Atherosclerosis</i> , <b>2016</b> , 251, 381-388	3.1	40
141	In Vivo T1 of Blood Measurements in Children with Sickle Cell Disease Improve Cerebral Blood Flow Quantification from Arterial Spin-Labeling MRI. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 1727-32	4.4	28
140	Review: Mechanical Characterization of Carotid Arteries and Atherosclerotic Plaques. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2016</b> , 63, 1613-1623	3.2	22
139	White Matter Hyperintensity Volume and Cerebral Perfusion in Older Individuals with Hypertension Using Arterial Spin-Labeling. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 1824-1830	4.4	34
138	Hyperthermia treatment planning for cervical cancer patients based on electrical conductivity tissue properties acquired in vivo with EPT at 3 T MRI. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 558-68	3.7	40
137	Relation between wall shear stress and carotid artery wall thickening MRI versus CFD. <i>Journal of Biomechanics</i> , <b>2016</b> , 49, 735-741	2.9	33
136	Manual versus Automated Carotid Artery Plaque Component Segmentation in High and Lower Quality 3.0 Tesla MRI Scans. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164267	3.7	6
135	MRI-based biomechanical parameters for carotid artery plaque vulnerability assessment. <i>Thrombosis and Haemostasis</i> , <b>2016</b> , 115, 493-500	7	8
134	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. <i>Frontiers in Oncology</i> , <b>2016</b> , 6, 29	5.3	9
133	The Effect of Spatial and Temporal Resolution of Cine Phase Contrast MRI on Wall Shear Stress and Oscillatory Shear Index Assessment. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163316	3.7	30
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