

# Aart Johannes Nederveen

## List of Publications by Citations

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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	Deep brain stimulation restores frontostriatal network activity in obsessive-compulsive disorder. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 386-7	25.5	296
267	RECOORD: a recalculated coordinate database of 500+ proteins from the PDB using restraints from the BioMagResBank. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 59, 662-72	4.2	285
266	Oxidized Phospholipids on Lipoprotein(a) Elicit Arterial Wall Inflammation and an Inflammatory Monocyte Response in Humans. <i>Circulation</i> , <b>2016</b> , 134, 611-24	16.7	257
265	Assessment of hepatic steatosis in patients undergoing liver resection: comparison of US, CT, T1-weighted dual-echo MR imaging, and point-resolved 1H MR spectroscopy. <i>Radiology</i> , <b>2010</b> , 256, 159-68	20.5	227
264	Cerebral hyporesponsiveness and cognitive impairment 10 years after chemotherapy for breast cancer. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 1206-19	5.9	205
263	Clinical feasibility study for the use of implanted gold seeds in the prostate as reliable positioning markers during megavoltage irradiation. <i>Radiotherapy and Oncology</i> , <b>2003</b> , 67, 295-302	5.3	155
262	Mipomersen, an apolipoprotein B synthesis inhibitor, lowers low-density lipoprotein cholesterol in high-risk statin-intolerant patients: a randomized, double-blind, placebo-controlled trial. <i>European Heart Journal</i> , <b>2012</b> , 33, 1142-9	9.5	152
261	Measurements and clinical consequences of prostate motion during a radiotherapy fraction. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2002</b> , 53, 206-14	4	140
260	Upper and extra-motoneuron involvement in early motoneuron disease: a diffusion tensor imaging study. <i>Brain</i> , <b>2011</b> , 134, 1211-28	11.2	120
259	N-acetylcysteine normalizes glutamate levels in cocaine-dependent patients: a randomized crossover magnetic resonance spectroscopy study. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 2143-52	8.7	109
258	Structural, functional and molecular imaging of the brain in primary focal dystonia--a review. <i>NeuroImage</i> , <b>2011</b> , 56, 1011-20	7.9	107
257	Intra- and multicenter reproducibility of pulsed, continuous and pseudo-continuous arterial spin labeling methods for measuring cerebral perfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 1706-15	7.3	107
256	Comparison of megavoltage position verification for prostate irradiation based on bony anatomy and implanted fiducials. <i>Radiotherapy and Oncology</i> , <b>2003</b> , 68, 81-8	5.3	107
255	Volumetric arterial wall shear stress calculation based on cine phase contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 505-16	5.6	104
254	Accuracy and precision of pseudo-continuous arterial spin labeling perfusion during baseline and hypercapnia: a head-to-head comparison with $^{15}\text{O}$ HD positron emission tomography. <i>NeuroImage</i> , <b>2014</b> , 92, 182-92	7.9	101
253	Prednisolone-containing liposomes accumulate in human atherosclerotic macrophages upon intravenous administration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 1039-46	6	97
252	Effect of apolipoprotein-B synthesis inhibition on liver triglyceride content in patients with familial hypercholesterolemia. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 1057-62	6.3	97

251	Techniques and applications of skeletal muscle diffusion tensor imaging: A review. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 43, 773-88	5.6	96
250	DTI of human skeletal muscle: the effects of diffusion encoding parameters, signal-to-noise ratio and T2 on tensor indices and fiber tracts. <i>NMR in Biomedicine</i> , <b>2013</b> , 26, 1339-52	4.4	94
249	Neuroimaging essentials in essential tremor: a systematic review. <i>NeuroImage: Clinical</i> , <b>2014</b> , 5, 217-31	5.3	90
248	Hepatic Diacylglycerol-Associated Protein Kinase C $\beta$ Translocation Links Hepatic Steatosis to Hepatic Insulin Resistance in Humans. <i>Cell Reports</i> , <b>2017</b> , 19, 1997-2004	10.6	89
247	Muscle changes detected with diffusion-tensor imaging after long-distance running. <i>Radiology</i> , <b>2015</b> , 274, 548-62	20.5	88
246	Diffusion-tensor MRI reveals the complex muscle architecture of the human forearm. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 36, 237-48	5.6	87
245	Hypercaloric diets with increased meal frequency, but not meal size, increase intrahepatic triglycerides: a randomized controlled trial. <i>Hepatology</i> , <b>2014</b> , 60, 545-53	11.2	84
244	DRESS: a database of Refined solution NMR structures. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2004</b> , 55, 483-6	4.2	83
243	Non-invasive evaluation of liver fibrosis: a comparison of ultrasound-based transient elastography and MR elastography in patients with viral hepatitis B and C. <i>European Radiology</i> , <b>2014</b> , 24, 638-48	8	79
242	Pixel-by-pixel analysis of DCE MRI curve patterns and an illustration of its application to the imaging of the musculoskeletal system. <i>Magnetic Resonance Imaging</i> , <b>2007</b> , 25, 604-12	3.3	77
241	Exome sequencing and directed clinical phenotyping diagnose cholesterol ester storage disease presenting as autosomal recessive hypercholesterolemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2909-14	9.4	76
240	CSI-EPT: A Contrast Source Inversion Approach for Improved MRI-Based Electric Properties Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 1788-96	11.7	75
239	In vivo quantification of carotid artery wall dimensions: 3.0-Tesla MRI versus B-mode ultrasound imaging. <i>Circulation: Cardiovascular Imaging</i> , <b>2009</b> , 2, 235-42	3.9	70
238	Effect of open-label infusion of an apoA-I-containing particle (CER-001) on RCT and artery wall thickness in patients with FHA. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 703-712	6.3	67
237	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
236	Reproducibility of 3.0 Tesla magnetic resonance spectroscopy for measuring hepatic fat content. <i>Journal of Magnetic Resonance Imaging</i> , <b>2009</b> , 30, 444-8	5.6	59
235	Multi-vendor reliability of arterial spin labeling perfusion MRI using a near-identical sequence: implications for multi-center studies. <i>NeuroImage</i> , <b>2015</b> , 113, 143-52	7.9	57
234	A methodology to detect abnormal relative wall shear stress on the full surface of the thoracic aorta using four-dimensional flow MRI. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1216-27	4.4	55

233	Cortical microinfarcts detected in vivo on 3 Tesla MRI: clinical and radiological correlates. <i>Stroke</i> , <b>2015</b> , 46, 255-7	6.7	54
232	ABCA1 mutation carriers with low high-density lipoprotein cholesterol are characterized by a larger atherosclerotic burden. <i>European Heart Journal</i> , <b>2013</b> , 34, 286-91	9.5	54
231	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
230	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
229	Inter-vendor reproducibility of pseudo-continuous arterial spin labeling at 3 Tesla. <i>PLoS ONE</i> , <b>2014</b> , 9, e104108	3.7	52
228	NMR Relaxation and Internal Dynamics of Ubiquitin from a 0.2 $\mu$ MD Simulation. <i>Journal of Chemical Theory and Computation</i> , <b>2005</b> , 1, 363-74	6.4	50
227	Determinants of resting cerebral blood flow in sickle cell disease. <i>American Journal of Hematology</i> , <b>2016</b> , 91, 912-7	7.1	50
226	Wall shear stress estimated with phase contrast MRI in an in vitro and in vivo intracranial aneurysm. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 38, 876-84	5.6	49
225	Wall shear stress calculations based on 3D cine phase contrast MRI and computational fluid dynamics: a comparison study in healthy carotid arteries. <i>NMR in Biomedicine</i> , <b>2014</b> , 27, 826-34	4.4	48
224	Arterial spin labeling measurement of cerebral perfusion in children with sickle cell disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 35, 779-87	5.6	48
223	Carriers of lecithin cholesterol acyltransferase gene mutations have accelerated atherogenesis as assessed by carotid 3.0-T magnetic resonance imaging [corrected]. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 2481-7	15.1	47
222	Volume of white matter hyperintensities is an independent predictor of intelligence quotient and processing speed in children with sickle cell disease. <i>British Journal of Haematology</i> , <b>2015</b> , 168, 553-6	4.5	46
221	US cannot be used to predict the presence or severity of hepatic steatosis in severely obese adolescents. <i>Radiology</i> , <b>2012</b> , 262, 327-34	20.5	44
220	Reproducibility of diffusion tensor imaging in human forearm muscles at 3.0 T in a clinical setting. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 64, 1182-90	4.4	44
219	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
218	BioMagResBank databases DOCR and FRED containing converted and filtered sets of experimental NMR restraints and coordinates from over 500 protein PDB structures. <i>Journal of Biomolecular NMR</i> , <b>2005</b> , 32, 1-12	3	43
217	Prenatal famine exposure has sex-specific effects on brain size. <i>Brain</i> , <b>2016</b> , 139, 2136-42	11.2	42
216	Visibility and artifacts of gold fiducial markers used for image guided radiation therapy of pancreatic cancer on MRI. <i>Medical Physics</i> , <b>2015</b> , 42, 2638-47	4.4	41

215	Liver fibrosis in type I Gaucher disease: magnetic resonance imaging, transient elastography and parameters of iron storage. <i>PLoS ONE</i> , <b>2013</b> , 8, e57507	3.7	41
214	HDL mimetic CER-001 targets atherosclerotic plaques in patients. <i>Atherosclerosis</i> , <b>2016</b> , 251, 381-388	3.1	40
213	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
212	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
211	Feasibility of electric property tomography of pelvic tumors at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1505-13	4.4	40
210	Reversal of hepatic steatosis by omega-3 fatty acids measured non-invasively by (1) H-magnetic resonance spectroscopy in a rat model. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2011</b> , 26, 356-63	4	40
209	Cerebral Perfusion Measurements in Elderly with Hypertension Using Arterial Spin Labeling. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133717	3.7	40
208	Comparison of interobserver agreement of magnetic resonance elastography with histopathological staging of liver fibrosis. <i>Abdominal Imaging</i> , <b>2014</b> , 39, 283-90		39
207	Dynamic contrast-enhanced MRI in patients with luminal Crohn's disease. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 3019-27	4.7	39
206	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
205	3D cine phase-contrast MRI at 3T in intracranial aneurysms compared with patient-specific computational fluid dynamics. <i>American Journal of Neuroradiology</i> , <b>2013</b> , 34, 1785-91	4.4	38
204	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
203	Feasibility and repeatability of PET with the hypoxia tracer [(18)F]HX4 in oesophageal and pancreatic cancer. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 116, 94-9	5.3	37
202	In vivo imaging of enhanced leukocyte accumulation in atherosclerotic lesions in humans. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 1019-29	15.1	36
201	White matter abnormalities in adults with 22q11 deletion syndrome with and without schizophrenia. <i>Schizophrenia Research</i> , <b>2011</b> , 132, 75-83	3.6	36
200	Three-dimensional quantitative T1 and T2 mapping of the carotid artery: Sequence design and in vivo feasibility. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1008-17	4.4	36
199	Sexual Dimorphism in Hepatic, Adipose Tissue, and Peripheral Tissue Insulin Sensitivity in Obese Humans. <i>Frontiers in Endocrinology</i> , <b>2015</b> , 6, 182	5.7	35
198	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

197	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
196	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
195	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
194	Measuring Wall Shear Stress Using Velocity-Encoded MRI. <i>Current Cardiovascular Imaging Reports</i> , <b>2014</b> , 7, 1	0.7	32
193	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
192	Cerebral blood flow measurement in children with sickle cell disease using continuous arterial spin labeling at 3.0-Tesla MRI. <i>Stroke</i> , <b>2009</b> , 40, 795-800	6.7	29
191	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
190	Gray matter contamination in arterial spin labeling white matter perfusion measurements in patients with dementia. <i>NeuroImage: Clinical</i> , <b>2014</b> , 4, 139-44	5.3	28
189	Minimizing the Acquisition Time for Intravoxel Incoherent Motion Magnetic Resonance Imaging Acquisitions in the Liver and Pancreas. <i>Investigative Radiology</i> , <b>2016</b> , 51, 211-20	10.1	28
188	Predictors of cerebral blood flow in patients with and without anemia. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 976-81	3.7	28
187	In Vivo Imaging of Hypoxia in Atherosclerotic Plaques in Humans. <i>JACC: Cardiovascular Imaging</i> , <b>2015</b> , 8, 1340-1	8.4	27
186	Accuracy of abdominal ultrasound and MRI for detection of Crohn disease and ulcerative colitis in children. <i>Pediatric Radiology</i> , <b>2014</b> , 44, 1370-8	2.8	27
185	MR elastography of the liver: defining thresholds for detecting viscoelastic changes. <i>Radiology</i> , <b>2013</b> , 269, 768-76	20.5	27
184	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> , <b>2020</b> , 6, 16	8.2	26
183	Proton magnetic resonance spectroscopy in 22q11 deletion syndrome. <i>PLoS ONE</i> , <b>2011</b> , 6, e21685	3.7	26
182	Acquisition time and reproducibility of continuous arterial spin-labeling perfusion imaging at 3T. <i>American Journal of Neuroradiology</i> , <b>2009</b> , 30, 968-71	4.4	26
181	Diagnostic accuracy of MRI and ultrasound in chronic immune-mediated neuropathies. <i>Neurology</i> , <b>2020</b> , 94, e62-e74	6.5	26
180	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

179	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , <b>2020</b> , 219, 117031	7.9	25
178	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
177	A novel MRI compatible soft tissue indenter and fibre Bragg grating force sensor. <i>Medical Engineering and Physics</i> , <b>2013</b> , 35, 486-99	2.4	25
176	Endothelial shear stress: a critical determinant of arterial remodeling and arterial stiffness in humans—a carotid 3.0-T MRI study. <i>Circulation: Cardiovascular Imaging</i> , <b>2010</b> , 3, 578-85	3.9	25
175	Robustness and reproducibility of flow territories defined by planning-free vessel-encoded pseudocontinuous arterial spin-labeling. <i>American Journal of Neuroradiology</i> , <b>2012</b> , 33, E21-5	4.4	25
174	Additional Value of Intra-Aneurysmal Hemodynamics in Discriminating Ruptured versus Unruptured Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , <b>2015</b> , 36, 1920-6	4.4	24
173	The effect of a diiodothyronine mimetic on insulin sensitivity in male cardiometabolic patients: a double-blind randomized controlled trial. <i>PLoS ONE</i> , <b>2014</b> , 9, e86890	3.7	24
172	Noninvasive quantification of hepatic steatosis in rats using 3.0 T 1H-magnetic resonance spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 32, 148-54	5.6	24
171	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
170	Symptom validity testing in memory clinics: Hippocampal-memory associations and relevance for diagnosing mild cognitive impairment. <i>Journal of Clinical and Experimental Neuropsychology</i> , <b>2013</b> , 35, 59-70	2.1	23
169	Hepatic unsaturated fatty acids in patients with non-alcoholic fatty liver disease assessed by 3.0T MR spectroscopy. <i>European Journal of Radiology</i> , <b>2010</b> , 75, e102-7	4.7	23
168	Disorganized sensorimotor integration in mutation-positive myoclonus-dystonia: a functional magnetic resonance imaging study. <i>Archives of Neurology</i> , <b>2010</b> , 67, 469-74		23
167	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
166	Comparison of velocity- and acceleration-selective arterial spin labeling with [15O]H2O positron emission tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 1296-303	7.3	22
165	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
164	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
163	Comparison of phase-contrast MR imaging and endovascular sonography for intracranial blood flow velocity measurements. <i>American Journal of Neuroradiology</i> , <b>2012</b> , 33, 1786-90	4.4	22
162	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

161	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
160	Risk factor analysis of cerebral white matter hyperintensities in children with sickle cell disease. <i>British Journal of Haematology</i> , <b>2016</b> , 172, 274-84	4.5	21
159	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
158	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
157	Increasing spatial resolution of 3T MRI scanning improves reproducibility of carotid arterial wall dimension measurements. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2014</b> , 27, 219-26	3.8	20
156	Functional MRI study of response inhibition in myoclonus dystonia. <i>Experimental Neurology</i> , <b>2013</b> , 247, 623-9	5.7	20
155	Use of continuously MR tagged imaging for automated motion assessment in the abdomen: a feasibility study. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 36, 492-7	5.6	20
154	Cerebral perfusion long term after therapeutic occlusion of the internal carotid artery in patients who tolerated angiographic balloon test occlusion. <i>American Journal of Neuroradiology</i> , <b>2012</b> , 33, 329-35	4.4	20
153	Validation of continuously tagged MRI for the measurement of dynamic 3D skeletal muscle tissue deformation. <i>Medical Physics</i> , <b>2012</b> , 39, 1793-810	4.4	20
152	Atherosclerosis imaging as a benchmark in the development of novel cardiovascular drugs. <i>Current Opinion in Lipidology</i> , <b>2007</b> , 18, 613-21	4.4	20
151	Dopaminergic system dysfunction in recreational dexamphetamine users. <i>Neuropsychopharmacology</i> , <b>2015</b> , 40, 1172-80	8.7	19
150	A novel diffusion-tensor MRI approach for skeletal muscle fascicle length measurements. <i>Physiological Reports</i> , <b>2016</b> , 4, e13012	2.6	19
149	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
148	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
147	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
146	Emerging Magnetic Resonance Imaging Techniques for Atherosclerosis Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 841-849	9.4	18
145	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
144	Magnetic Resonance Imaging-Derived Renal Oxygenation and Perfusion During Continuous, Steady-State Angiotensin-II Infusion in Healthy Humans. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5, e003185	6	18



143	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
142	Use of Antiplatelet Agents Is Associated With Intraplaque Hemorrhage on Carotid Magnetic Resonance Imaging: The Plaque at Risk Study. <i>Stroke</i> , <b>2015</b> , 46, 3411-5	6.7	17
141	Feasibility of ASL-based pHMRI with a single dose of oral citalopram for repeated assessment of serotonin function. <i>NeuroImage</i> , <b>2012</b> , 63, 1695-700	7.9	17
140	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
139	Noninvasive automated motion assessment of intestinal motility by continuously tagged MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 39, 9-16	5.6	16
138	Quantitative Functional Arterial Spin Labeling (FASL) MRI--Sensitivity and Reproducibility of Regional CBF Changes Using Pseudo-Continuous ASL Product Sequences. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132929 <sup>3.7</sup>	3.7	16
137	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
136	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
135	Measuring liver triglyceride content in mice: non-invasive magnetic resonance methods as an alternative to histopathology. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2014</b> , 27, 317-27	2.8	15
134	MRI strain imaging of the carotid artery: present limitations and future challenges. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 824-33	2.9	15
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