

JÃ¼rgen Hennig

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3483808/publications.pdf>

Version: 2024-02-01

442
papers

24,697
citations

6613

79
h-index

11307

136
g-index

456
all docs

456
docs citations

456
times ranked

20483
citing authors

#	ARTICLE	IF	CITATIONS
1	RARE imaging: A fast imaging method for clinical MR. <i>Magnetic Resonance in Medicine</i> , 1986, 3, 823-833.	3.0	1,825
2	Ventral and dorsal pathways for language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18035-18040.	7.1	1,306
3	Dynamic Contrast-Enhanced Magnetic Resonance Imaging As a Biomarker for the Pharmacological Response of PTK787/ZK 222584, an Inhibitor of the Vascular Endothelial Growth Factor Receptor Tyrosine Kinases, in Patients With Advanced Colorectal Cancer and Liver Metastases: Results From Two Phase I Studies. <i>Journal of Clinical Oncology</i> , 2003, 21, 3955-3964.	1.6	648
4	Proton magnetic resonance spectroscopy studies on human brain Myo-inositol in hypo-osmolarity and hepatic encephalopathy. <i>Gastroenterology</i> , 1994, 107, 1475-1480.	1.3	404
5	Time-resolved 3D MR velocity mapping at 3T: Improved navigator-gated assessment of vascular anatomy and blood flow. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 824-831.	3.4	363
6	Magnetic resonance imaging of freely moving objects: prospective real-time motion correction using an external optical motion tracking system. <i>NeuroImage</i> , 2006, 31, 1038-1050.	4.2	339
7	The Processing of First- and Second-Order Motion in Human Visual Cortex Assessed by Functional Magnetic Resonance Imaging (fMRI). <i>Journal of Neuroscience</i> , 1998, 18, 3816-3830.	3.6	330
8	Cortical and Subcortical Correlates of Electroencephalographic Alpha Rhythm Modulation. <i>Journal of Neurophysiology</i> , 2005, 93, 2864-2872.	1.8	325
9	Frontolimbic brain abnormalities in patients with borderline personality disorder. <i>Biological Psychiatry</i> , 2003, 54, 163-171.	1.3	312
10	Human brain tumors: assessment with in vivo proton MR spectroscopy.. <i>Radiology</i> , 1993, 186, 745-752.	7.3	291
11	Ultra-fast magnetic resonance encephalography of physiological brain activity – Glymphatic pulsation mechanisms?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1033-1045.	4.3	283
12	Neural Correlates of Antinociception in Borderline Personality Disorder. <i>Archives of General Psychiatry</i> , 2006, 63, 659.	12.3	263
13	Observation of a fast response in functional MR. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 146-149.	3.0	227
14	Multiecho sequences with variable refocusing flip angles: Optimization of signal behavior using smooth transitions between pseudo steady states (TRAPS). <i>Magnetic Resonance in Medicine</i> , 2003, 49, 527-535.	3.0	222
15	Chronic Insomnia and MRI-Measured Hippocampal Volumes: A Pilot Study. <i>Sleep</i> , 2007, 30, 955-958.	1.1	222
16	Fast quantitative diffusion-tensor imaging of cerebral white matter from the neonatal period to adolescence. <i>Neuroradiology</i> , 2004, 46, 258-266.	2.2	205
17	Echoes – how to generate, recognize, use or avoid them in MR-imaging sequences. Part I: Fundamental and not so fundamental properties of spin echoes. <i>Concepts in Magnetic Resonance</i> , 1991, 3, 125-143.	1.3	204
18	Hyperechoes. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 6-12.	3.0	196

#	ARTICLE	IF	CITATIONS
19	Clinical applications and methodological developments of the RARE technique. <i>Magnetic Resonance Imaging</i> , 1988, 6, 391-395.	1.8	184
20	In Vivo Wall Shear Stress Distribution in the Carotid Artery. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 647-655.	2.6	181
21	Frontoorbital volume reductions in adult patients with attention deficit hyperactivity disorder. <i>Neuroscience Letters</i> , 2002, 328, 319-321.	2.1	177
22	Magnetization preparation during the steady state: Fat-saturated 3D TrueFISP. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 1075-1080.	3.0	175
23	Is TrueFISP a gradient-echo or a spin-echo sequence?. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 395-397.	3.0	172
24	T1 quantification with inversion recovery TrueFISP. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 720-723.	3.0	170
25	A voxel-based morphometric MRI study in female patients with borderline personality disorder. <i>NeuroImage</i> , 2003, 20, 385-392.	4.2	167
26	PTK787/ZK 222584, a specific vascular endothelial growth factor-receptor tyrosine kinase inhibitor, affects the anatomy of the tumor vascular bed and the functional vascular properties as detected by dynamic enhanced magnetic resonance imaging. <i>Cancer Research</i> , 2002, 62, 4015-22.	0.9	167
27	Phase I clinical and pharmacokinetic study of PTK/ZK, a multiple VEGF receptor inhibitor, in patients with liver metastases from solid tumours. <i>European Journal of Cancer</i> , 2005, 41, 1291-1299.	2.8	166
28	Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. <i>Cerebral Cortex</i> , 2010, 20, 121-129.	2.9	155
29	Three-dimensional analysis of segmental wall shear stress in the aorta by flow-sensitive four-dimensional MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 77-84.	3.4	153
30	Tracking dynamic resting-state networks at higher frequencies using MR-encephalography. <i>NeuroImage</i> , 2013, 65, 216-222.	4.2	150
31	Breath-Hold Projection Magnetic Resonance-Cholangio-Pancreaticography (MRCP): a New Method for the Examination of the Bile and Pancreatic Ducts. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 18-23.	3.0	149
32	Low rank alternating direction method of multipliers reconstruction for MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 83-96.	3.0	148
33	4D phase contrast MRI at 3 T: Effect of standard and blood-pool contrast agents on SNR, PC-MRA, and blood flow visualization. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 330-338.	3.0	146
34	Increased Prefrontal and Hippocampal Glutamate Concentration in Schizophrenia: Evidence from a Magnetic Resonance Spectroscopy Study. <i>Biological Psychiatry</i> , 2005, 58, 724-730.	1.3	144
35	Experimental analysis of parallel excitation using dedicated coil setups and simultaneous RF transmission on multiple channels. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 994-1001.	3.0	143
36	¹ H-magnetic resonance spectroscopy in obsessive-compulsive disorder: evidence for neuronal loss in the cingulate gyrus and the right striatum. <i>Psychiatry Research - Neuroimaging</i> , 1997, 74, 173-176.	1.8	142

#	ARTICLE	IF	CITATIONS
37	Direct absolute quantification of metabolites in the human brain within vivo localized proton spectroscopy. <i>NMR in Biomedicine</i> , 1992, 5, 193-199.	2.8	141
38	Functional Imaging by IO- and T2* -parameter mapping using multi-image EPI. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 243-248.	3.0	138
39	Complex Plaques in the Proximal Descending Aorta. <i>Stroke</i> , 2010, 41, 1145-1150.	2.0	138
40	Disentangling micro from mesostructure by diffusion MRI: A Bayesian approach. <i>NeuroImage</i> , 2017, 147, 964-975.	4.2	138
41	HIV-related metabolic abnormalities in the brain: depiction with proton MR spectroscopy with short echo times.. <i>Radiology</i> , 1996, 199, 805-810.	7.3	127
42	Quantitative diffusion tensor MR imaging of the brain: field strength related variance of apparent diffusion coefficient (ADC) and fractional anisotropy (FA) scalars. <i>European Radiology</i> , 2006, 16, 1651-1658.	4.5	127
43	A hyperpolarized equilibrium for magnetic resonance. <i>Nature Communications</i> , 2013, 4, 2946.	12.8	126
44	Time-resolved projection angiography after bolus injection of contrast agent. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 341-345.	3.0	125
45	Parallel imaging in non-bijective, curvilinear magnetic field gradients: a concept study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 5-14.	2.0	125
46	Disturbed cingulate glutamate metabolism in adults with high-functioning autism spectrum disorder: evidence in support of the excitatory/inhibitory imbalance hypothesis. <i>Molecular Psychiatry</i> , 2014, 19, 1314-1325.	7.9	125
47	Insomnia Disorder is Associated with Increased Amygdala Reactivity to Insomnia-Related Stimuli. <i>Sleep</i> , 2014, 37, 1907-1917.	1.1	125
48	Visual Processing in Infants and Children Studied Using Functional MRI. <i>Pediatric Research</i> , 1999, 46, 135-140.	2.3	125
49	Revisiting the Functional Specialization of Left Inferior Frontal Gyrus in Phonological and Semantic Fluency: The Crucial Role of Task Demands and Individual Ability. <i>Journal of Neuroscience</i> , 2013, 33, 7837-7845.	3.6	117
50	Reduced circular field-of-view imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 474-480.	3.0	116
51	Absence of N-acetylaspartate in the human brain: Impact on neurospectroscopy?. <i>Annals of Neurology</i> , 2001, 49, 518-521.	5.3	115
52	Coupling effects in volume selective 1H spectroscopy of major brain metabolites. <i>Magnetic Resonance in Medicine</i> , 1991, 21, 82-96.	3.0	113
53	Proton-transfer kinetics in solids: tautomerism in free base porphines by nitrogen-15 CPMAS NMR. <i>Journal of the American Chemical Society</i> , 1984, 106, 4059-4060.	13.7	111
54	In vivo assessment of wall shear stress in the atherosclerotic aorta using flow-sensitive 4D MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1529-1536.	3.0	108

#	ARTICLE	IF	CITATIONS
55	In vivo noninvasive 4D pressure difference mapping in the human aorta: Phantom comparison and application in healthy volunteers and patients. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1079-1088.	3.0	106
56	Calculation of flip angles for echo trains with predefined amplitudes with the extended phase graph (EPG)-algorithm: Principles and applications to hyperecho and TRAPS sequences. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 68-80.	3.0	105
57	Toward Biocompatible Nuclear Hyperpolarization Using Signal Amplification by Reversible Exchange: Quantitative <i>in Situ</i> Spectroscopy and High-Field Imaging. <i>Analytical Chemistry</i> , 2014, 86, 1767-1774.	6.5	105
58	RARE-MR-urography in the diagnosis of upper urinary tract abnormalities in children. <i>Pediatric Radiology</i> , 1991, 21, 416-420.	2.0	101
59	Detection of BOLD changes by means of a frequency-sensitive trueFISP technique: preliminary results. <i>NMR in Biomedicine</i> , 2001, 14, 490-496.	2.8	97
60	Insomnia Does Not Appear to be Associated With Substantial Structural Brain Changes. <i>Sleep</i> , 2013, 36, 731-737.	1.1	97
61	Time-resolved CIDNP in laser flash photolysis of aliphatic ketones. A quantitative analysis. <i>Chemical Physics</i> , 1985, 97, 217-234.	1.9	95
62	Myocardial Tissue Phase Mapping with Cine Phase-Contrast MR Imaging: Regional Wall Motion Analysis in Healthy Volunteers. <i>Radiology</i> , 2006, 238, 816-826.	7.3	94
63	Prospective Real-Time Slice-by-Slice Motion Correction for fMRI in Freely Moving Subjects. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 55-61.	2.0	92
64	Detailed analysis of myocardial motion in volunteers and patients using high-temporal-resolution MR tissue phase mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1033-1039.	3.4	92
65	Echoes—how to generate, recognize, use or avoid them in MR-imaging sequences. Part II: Echoes in imaging sequences. <i>Concepts in Magnetic Resonance</i> , 1991, 3, 179-192.	1.3	91
66	Inferior frontal white matter microstructure and patterns of psychopathology in women with borderline personality disorder and comorbid attention-deficit hyperactivity disorder. <i>NeuroImage</i> , 2007, 35, 738-747.	4.2	91
67	Time-resolved, 3-Dimensional Magnetic Resonance Flow Analysis at 3 T. <i>Journal of Computer Assisted Tomography</i> , 2007, 31, 9-15.	0.9	90
68	Single shot whole brain imaging using spherical stack of spirals trajectories. <i>NeuroImage</i> , 2013, 73, 59-70.	4.2	90
69	Thermosensitive paramagnetic liposomes for temperature control during MR imaging-guided hyperthermia: In vitro feasibility studies. <i>Academic Radiology</i> , 2000, 7, 1107-1115.	2.5	89
70	Burst imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1993, 1, 39-48.	2.0	88
71	Functional magnetic resonance imaging: A review of methodological aspects and clinical applications. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 1-15.	3.4	87
72	Fluid-Dynamic Modeling of the Human Left Ventricle: Methodology and Application to Surgical Ventricular Reconstruction. <i>Annals of Thoracic Surgery</i> , 2009, 87, 1187-1195.	1.3	87

#	ARTICLE	IF	CITATIONS
73	Attention-deficit disorder in adults with or without hyperactivity: where is the difference? A study in humans using short echo 1H-magnetic resonance spectroscopy. <i>Neuroscience Letters</i> , 2001, 304, 117-119.	2.1	86
74	Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. <i>Brain</i> , 2011, 134, 3310-3325.	7.6	85
75	Primary kinetic HH/HD/DH/DD isotope effects and proton tunnelling in double proton-transfer reactions. <i>Faraday Discussions of the Chemical Society</i> , 1982, 74, 229.	2.2	84
76	Single-breathhold 3D-trueFISP cine cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 921-925.	3.0	83
77	Investigating myocardial motion by MRI using tissue phase mapping. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, S150-S157.	1.4	83
78	Fast multiecho balanced SSFP metabolite mapping of 1H and hyperpolarized 13C compounds. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 251-256.	2.0	83
79	A continuousâ€flow, highâ€throughput, highâ€pressure parahydrogen converter for hyperpolarization in a clinical setting. <i>NMR in Biomedicine</i> , 2013, 26, 124-131.	2.8	83
80	The connectomics of brain demyelination: Functional and structural patterns in the cuprizone mouse model. <i>NeuroImage</i> , 2017, 146, 1-18.	4.2	83
81	Contrast behavior and relaxation effects of conventional and hyperecho-turbo spin echo sequences at 1.5 and 3 T. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 826-835.	3.0	81
82	Single shot concentric shells trajectories for ultra fast fMRI. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 484-494.	3.0	81
83	Reduced cingulate glutamate/glutamine-to-creatine ratios in adult patients with attention deficit/hyperactivity disorder â€ A magnet resonance spectroscopy study. <i>Journal of Psychiatric Research</i> , 2007, 41, 934-941.	3.1	79
84	Highly accelerated phaseâ€contrast MRI. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1169-1177.	3.0	79
85	Magnetic Resonance Tissue Phase Mapping of Myocardial Motion. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 54-64.	2.6	79
86	MR-Encephalography: Fast multi-channel monitoring of brain physiology with magnetic resonance. <i>NeuroImage</i> , 2007, 34, 212-219.	4.2	78
87	Dental MRI using wireless intraoral coils. <i>Scientific Reports</i> , 2016, 6, 23301.	3.3	78
88	Should patients with brain implants undergo MRI?. <i>Journal of Neural Engineering</i> , 2018, 15, 041002.	3.5	78
89	IRâ€spectroscopic study of isotope effects on the NH/NDâ€stretching bands of mesoâ€tetraphenylporphine and vibrational hydrogen tunneling. <i>Journal of Chemical Physics</i> , 1983, 78, 5432-5436.	3.0	75
90	Is there a BOLD response of the visual cortex on stimulation of the vision-related acupoint GB 37?. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 227-232.	3.4	75

#	ARTICLE	IF	CITATIONS
91	Dental MRI: Imaging of soft and solid components without ionizing radiation. Journal of Magnetic Resonance Imaging, 2012, 36, 841-846.	3.4	75
92	Frontolimbic glutamate alterations in first episode schizophrenia: Evidence from a magnetic resonance spectroscopy study. World Journal of Biological Psychiatry, 2008, 9, 59-63.	2.6	74
93	Objective sleep disturbances are associated with greater waking resting-state connectivity between the retrosplenial cortex/hippocampus and various nodes of the default mode network. Journal of Psychiatry and Neuroscience, 2016, 41, 295-303.	2.4	73
94	Analysis of myocardial motion based on velocity measurements with a black blood prepared segmented gradient-echo sequence: Methodology and applications to normal volunteers and patients. Journal of Magnetic Resonance Imaging, 1998, 8, 868-877.	3.4	72
95	Reduced anterior internal capsule white matter integrity in primary insomnia. Human Brain Mapping, 2014, 35, 3431-3438.	3.6	72
96	Assessment of flow instabilities in the healthy aorta using flow-sensitive MRI. Journal of Magnetic Resonance Imaging, 2011, 33, 839-846.	3.4	71
97	Influence of knee flexion angle and weight bearing on the Tibial Tuberosity-Trochlear Groove (TTTG) distance for evaluation of patellofemoral alignment. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2655-2661.	4.2	71
98	Pseudo Steady-State Free Precession for MR Fingerprinting. Magnetic Resonance in Medicine, 2017, 77, 1151-1161.	3.0	71
99	Subtle Prefrontal Neuropathology in a Pilot Magnetic Resonance Spectroscopy Study in Patients With Borderline Personality Disorder. Journal of Neuropsychiatry and Clinical Neurosciences, 2001, 13, 511-514.	1.8	70
100	Retrograde Embolism From the Descending Aorta. Stroke, 2009, 40, 1505-1508.	2.0	70
101	The ventral fiber pathway for pantomime of object use. NeuroImage, 2015, 106, 252-263.	4.2	70
102	Fine-grained mapping of mouse brain functional connectivity with resting-state fMRI. NeuroImage, 2014, 96, 203-215.	4.2	69
103	On the spin order transfer from parahydrogen to another nucleus. Journal of Magnetic Resonance, 2012, 225, 25-35.	2.1	68
104	How the brain codes intimacy: The neurobiological substrates of romantic touch. Human Brain Mapping, 2017, 38, 4525-4534.	3.6	68
105	Morphometry of the Retrobulbar Human Optic Nerve: Comparison between Conventional Sonography and Ultrafast Magnetic Resonance Sequences. , 2007, 48, 1913.		67
106	Phase contrast MRI with improved temporal resolution by view sharing: k-space related velocity mapping properties. Magnetic Resonance Imaging, 2001, 19, 669-676.	1.8	66
107	Parallel MRI with extended and averaged GRAPPA kernels (PEAK-GRAPPA): Optimized spatiotemporal dynamic imaging. Journal of Magnetic Resonance Imaging, 2008, 28, 1226-1232.	3.4	66
108	Time-resolved magnetic resonance angiography and flow-sensitive 4-dimensional magnetic resonance imaging at 3 Tesla for blood flow and wall shear stress analysis. Journal of Thoracic and Cardiovascular Surgery, 2008, 136, 400-407.	0.8	66

#	ARTICLE	IF	CITATIONS
109	Multidirectional flow analysis by cardiovascular magnetic resonance in aneurysm development following repair of aortic coarctation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 30.	3.3	65
110	Reconstruction of MRI data encoded with arbitrarily shaped, curvilinear, nonbijective magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1390-1403.	3.0	65
111	Simultaneously driven linear and nonlinear spatial encoding fields in MRI. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 702-714.	3.0	65
112	Kinetic study of hydrogen tunnelling in meso-tetraphenylporphine by nuclear magnetic resonance lineshape analysis and selective T ₁ -relaxation time measurements. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1979, 75, 752.	1.1	64
113	Connecting and merging fibres: Pathway extraction by combining probability maps. <i>NeuroImage</i> , 2008, 43, 81-89.	4.2	64
114	Deletion of the mu opioid receptor gene in mice reshapes the reward-aversion connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11603-11608.	7.1	64
115	Neurochemical and structural correlates of executive dysfunction in schizophrenia. <i>Schizophrenia Research</i> , 2008, 99, 155-163.	2.0	63
116	Visual cortex abnormalities in adults with ADHD: A structural MRI study. <i>World Journal of Biological Psychiatry</i> , 2011, 12, 260-270.	2.6	63
117	A single dual-stream framework for syntactic computations in music and language. <i>NeuroImage</i> , 2015, 117, 267-283.	4.2	63
118	On-chip three dimensional microcoils for MRI at the microscale. <i>Lab on A Chip</i> , 2010, 10, 1387.	6.0	61
119	Small amygdala - high aggression? The role of the amygdala in modulating aggression in healthy subjects. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 75-81.	2.6	60
120	Quantitative flow measurement with the fast Fourier flow technique.. <i>Radiology</i> , 1988, 166, 237-240.	7.3	59
121	Three-dimensional MR-encephalography: Fast volumetric brain imaging using rosette trajectories. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1260-1268.	3.0	59
122	Time-resolved projection MRA: clinical application in intracranial vascular malformations. <i>Neuroradiology</i> , 2000, 42, 104-107.	2.2	58
123	Prospective motion correction with continuous gradient updates in diffusion weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 326-338.	3.0	58
124	Temporal integration of sequential auditory events: silent period in sound pattern activates human planum temporale. <i>NeuroImage</i> , 2003, 20, 429-434.	4.2	57
125	Guanidinoacetate methyltransferase deficiency: differences of creatine uptake in human brain and muscle. <i>Molecular Genetics and Metabolism</i> , 2004, 82, 208-213.	1.1	56
126	Neural network-based analysis of MR time series. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 124-131.	3.0	55

#	ARTICLE	IF	CITATIONS
127	Effect of pentobarbital on visual processing in man. <i>Human Brain Mapping</i> , 2000, 10, 132-139.	3.6	55
128	Extended phase graphs with anisotropic diffusion. <i>Journal of Magnetic Resonance</i> , 2010, 205, 276-285.	2.1	55
129	Predictors and signatures of recovery from neglect in acute stroke. <i>Annals of Neurology</i> , 2016, 79, 673-686.	5.3	55
130	Visualization of iliac and proximal femoral artery hemodynamics using time-resolved 3D phase contrast MRI at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 1085-1092.	3.4	54
131	K-space sampling strategies. <i>European Radiology</i> , 1999, 9, 1020-1031.	4.5	53
132	Ballistocardiographic artifact removal from simultaneous EEG-fMRI using an optical motion-tracking system. <i>NeuroImage</i> , 2013, 75, 1-11.	4.2	53
133	Mu Opioid Receptors in Gamma-Aminobutyric Acidergic Forebrain Neurons Moderate Motivation for Heroin and Palatable Food. <i>Biological Psychiatry</i> , 2017, 81, 778-788.	1.3	53
134	Frequency resolved single-shot MR imaging using stochastic <i>k</i> -space trajectories. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 569-576.	3.0	52
135	Extraction of prefronto-amygdalar pathways by combining probability maps. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 217-222.	1.8	52
136	Fast Undersampled Functional Magnetic Resonance Imaging Using Nonlinear Regularized Parallel Image Reconstruction. <i>PLoS ONE</i> , 2011, 6, e28822.	2.5	52
137	Single-voxel MRS with prospective motion correction and retrospective frequency correction. <i>NMR in Biomedicine</i> , 2010, 23, 325-332.	2.8	51
138	Mapping remodeling of thalamocortical projections in the living <i>reeler</i> mouse brain by diffusion tractography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1797-806.	7.1	51
139	Optimization of signal behavior in the transition to driven equilibrium in steady-state free precession sequences. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 801-809.	3.0	50
140	Interindividual synchronization of brain activity during live verbal communication. <i>Behavioural Brain Research</i> , 2014, 258, 75-79.	2.2	50
141	Easy improvement of signal-to-noise in RARE-sequences with low refocusing flip angles. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 983-985.	3.0	49
142	Fast phase contrast cardiac magnetic resonance imaging: Improved assessment and analysis of left ventricular wall motion. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 642-653.	3.4	49
143	Lab on a chip phased-array MR multi-platform analysis system. <i>Lab on A Chip</i> , 2012, 12, 495-502.	6.0	49
144	Magnetic resonance imaging in juvenile Canavan disease. <i>European Journal of Pediatrics</i> , 1993, 152, 750-753.	2.7	48

#	ARTICLE	IF	CITATIONS
145	A comparison between electric source localisation and fMRI during somatosensory stimulation. <i>Electroencephalography and Clinical Neurophysiology</i> , 1998, 106, 22-29.	0.3	48
146	Navigator gated high temporal resolution tissue phase mapping of myocardial motion. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 937-942.	3.0	48
147	MRI myocardial motion and fiber tracking: a confirmation of knowledge from different imaging modalities. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, S165-S177.	1.4	48
148	Fast fMRI provides high statistical power in the analysis of epileptic networks. <i>NeuroImage</i> , 2014, 88, 282-294.	4.2	48
149	Localization and transfer of protons between nitrogen-15 atoms of meso-tetraphenylporphine probed by nuclear Overhauser effects and dipole-dipole relaxation times. <i>Journal of the American Chemical Society</i> , 1984, 106, 292-298.	13.7	47
150	DCE-MRI assessment of the effect of vandetanib on tumor vasculature in patients with advanced colorectal cancer and liver metastases: a randomized phase I study. <i>Journal of Angiogenesis Research</i> , 2009, 1, 5.	2.9	47
151	An MRI Receiver Coil Produced by Inkjet Printing Directly on to a Flexible Substrate. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 482-487.	8.9	47
152	<i>In vivo</i> diffusion tensor magnetic resonance imaging and fiber tracking of the mouse brain. <i>NMR in Biomedicine</i> , 2010, 23, 884-896.	2.8	47
153	Fast and Quantitative High-Resolution Magnetic Resonance Imaging of the Optic Nerve at 3.0 Tesla. <i>Investigative Radiology</i> , 2006, 41, 83-86.	6.2	46
154	Quasiclassical calculations of one-dimensional potential parameters of the hydrogen migration in meso-tetraphenylporphine from experimental tunnel rates. <i>Journal of Chemical Physics</i> , 1979, 71, 3120.	3.0	45
155	Biological, emotional, behavioral, and coping reactions to examination stress in high and low state anxious subjects. <i>Anxiety, Stress and Coping</i> , 1998, 11, 47-65.	2.9	45
156	Measurement of Left Ventricular Velocities: Phase Contrast MRI Velocity Mapping Versus Tissue?Doppler?Ultrasound in Healthy Volunteers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004, 6, 777-783.	3.3	45
157	Rapid vessel prototyping: vascular modeling using 3t magnetic resonance angiography and rapid prototyping technology. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2005, 18, 288-292.	2.0	45
158	Sex-specific characteristics of cardiac function, geometry, and mass in young adult elite athletes. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 297-303.	3.4	44
159	High resolution 3T MRI for the assessment of cervical and superficial cranial arteries in giant cell arteritis. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 423-427.	3.4	44
160	Navigator accuracy requirements for prospective motion correction. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 162-170.	3.0	44
161	Magnetic resonance imaging of intraoral hard and soft tissues using an intraoral coil and FLASH sequences. <i>European Radiology</i> , 2016, 26, 4616-4623.	4.5	44
162	Oxytocin enhances the pain-relieving effects of social support in romantic couples. <i>Human Brain Mapping</i> , 2019, 40, 242-251.	3.6	44

#	ARTICLE	IF	CITATIONS
163	Reduced interhemispheric structural connectivity between anterior cingulate cortices in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2010, 181, 151-154.	1.8	43
164	Development and implementation of an 8-channel matrix gradient coil. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1181-1191.	3.0	42
165	MR imaging of the pericardial cyst. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 593-596.	3.4	41
166	Multislice interleaved excitation cycles (MUSIC): An efficient gradient-echo technique for functional MRI. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 870-874.	3.0	41
167	Time Scales of Auditory Habituation in the Amygdala and Cerebral Cortex. <i>Cerebral Cortex</i> , 2010, 20, 2531-2539.	2.9	41
168	Continuous Re-hyperpolarization of Nuclear Spins Using Parahydrogen: Theory and Experiment. <i>ChemPhysChem</i> , 2014, 15, 2451-2457.	2.1	41
169	Early tissue damage and microstructural reorganization predict disease severity in experimental epilepsy. <i>ELife</i> , 2017, 6, .	6.0	41
170	Attention-network specific alterations of structural connectivity in the undamaged white matter in acute neglect. <i>Human Brain Mapping</i> , 2014, 35, 4678-4692.	3.6	40
171	Reproduction of motion artifacts for performance analysis of prospective motion correction in MRI. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 182-190.	3.0	40
172	Diffusion tensor imaging in cases of adrenoleukodystrophy: preliminary experience as a marker for early demyelination?. <i>American Journal of Neuroradiology</i> , 2003, 24, 819-24.	2.4	40
173	Systematic investigation of balanced steady-state free precession for functional MRI in the human visual cortex at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 67-73.	3.0	39
174	Inner-volume imaging in vivo using three-dimensional parallel spatially selective excitation. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1367-1378.	3.0	39
175	Determination of aortic stiffness using 4D flow cardiovascular magnetic resonance - a population-based study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 43.	3.3	39
176	Joint Imaging Platform for Federated Clinical Data Analytics. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 1027-1038.	2.1	39
177	Quantification and correction of respiration induced dynamic field map changes in fMRI using 3D single shot techniques. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1093-1102.	3.0	38
178	Cardiovascular brain impulses in Alzheimer's disease. <i>Brain</i> , 2021, 144, 2214-2226.	7.6	38
179	Fast three-dimensional imaging of cerebrospinal fluid. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 380-383.	3.0	37
180	Chemical shift imaging with phase-encoding RF pulses. <i>Magnetic Resonance in Medicine</i> , 1992, 25, 289-298.	3.0	37

#	ARTICLE	IF	CITATIONS
181	Implementation of a fast gradient-echo SVD encoding technique for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 554-562.	3.0	37
182	Molecular MRI in the Earth's Magnetic Field Using Continuous Hyperpolarization of a Biomolecule in Water. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5670-5677.	2.6	37
183	Improved sensitivity to overlapping multiplet signals in <i>in vivo</i> proton spectroscopy using a multiecho volume selective (CPRESS) experiment. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 816-820.	3.0	36
184	Visualization of multidirectional regional left ventricular dynamics by high-temporal-resolution tissue phase mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1043-1052.	3.4	35
185	Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. <i>NeuroImage</i> , 2018, 175, 215-229.	4.2	35
186	<i>In vivo</i> ¹³ C-MRI using SAMBADENA. <i>PLoS ONE</i> , 2018, 13, e0200141.	2.5	35
187	Cardiac phase contrast gradient echo MRI: measurement of myocardial wall motion in healthy volunteers and patients. <i>International Journal of Cardiovascular Imaging</i> , 1999, 15, 441-452.	0.6	34
188	Metronomic Antiangiogenic Therapy with Capecitabine and Celecoxib in Advanced Tumor Patients – Results of a Phase II Study. <i>Oncology Research and Treatment</i> , 2007, 30, 629-635.	1.2	33
189	Cerebral correlates of muscle tone fluctuations in restless legs syndrome: A pilot study with combined functional magnetic resonance imaging and anterior tibial muscle electromyography. <i>Sleep Medicine</i> , 2008, 9, 177-183.	1.6	33
190	A battery-driven, low-field NMR unit for thermally and hyperpolarized samples. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 491-499.	2.0	33
191	Aortic atheroma as a source of stroke – assessment of embolization risk using 3D CMR in stroke patients and controls. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 19, 67.	3.3	33
192	<i>In vivo</i> proton spectroscopy of meningioma after preoperative embolization. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 155-160.	3.0	32
193	Improved Water Suppression for Localized <i>In Vivo</i> ¹ H Spectroscopy. <i>Journal of Magnetic Resonance Series B</i> , 1995, 106, 181-186.	1.6	32
194	Comparison of the hemodynamic response to different visual stimuli in single-event and block stimulation fMRI experiments. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 708-714.	3.4	32
195	Evidence of disturbed amygdalar energy metabolism in patients with borderline personality disorder. <i>Neuroscience Letters</i> , 2007, 417, 36-41.	2.1	32
196	Distinctive time-lagged resting-state networks revealed by simultaneous EEG-fMRI. <i>NeuroImage</i> , 2017, 145, 1-10.	4.2	32
197	The ventral pathway of the human brain: A continuous association tract system. <i>NeuroImage</i> , 2021, 234, 117977.	4.2	32
198	Integrated head-thoracic vascular MRI at 3 T: Assessment of cranial, cervical and thoracic involvement of giant cell arteritis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2005, 18, 193-200.	2.0	31

#	ARTICLE	IF	CITATIONS
199	Advantages and Limitations of Prospective Head Motion Compensation for MRI Using an Optical Motion Tracking Device. <i>Academic Radiology</i> , 2006, 13, 1093-1103.	2.5	31
200	Plaques in the descending aorta: A new risk factor for stroke? Visualization of potential embolization pathways by 4D MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1651-1655.	3.4	31
201	Reconstruction of MRI data encoded by multiple nonbijective curvilinear magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1145-1156.	3.0	31
202	Magnetic Resonance Spectroscopy in Patients with Insomnia: A Repeated Measurement Study. <i>PLoS ONE</i> , 2016, 11, e0156771.	2.5	31
203	Spiral reconstruction by regridding to a large rectilinear matrix: A practical solution for routine systems. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 84-92.	3.4	30
204	Functionalized Magnetic Resonance Contrast Agent Selectively Binds to Glycoprotein IIb/IIIa on Activated Human Platelets under Flow Conditions and Is Detectable at Clinically Relevant Field Strengths. <i>Molecular Imaging</i> , 2008, 7, 7290.2008.0008.	1.4	30
205	Visualization of tissue velocity data from cardiac wall motion measurements with myocardial fiber tracking: principles and implications for cardiac fiber structures. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, S158-S164.	1.4	29
206	Localization by nonlinear phase preparation and k -space trajectory design. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1620-1632.	3.0	29
207	Cortisol awakening and stress response, personality and psychiatric profiles in patients with takotsubo cardiomyopathy. <i>Heart</i> , 2014, 100, 1786-1792.	2.9	29
208	Fearfulness, neuroticism/anxiety, and COMT Val158Met in long-term fear conditioning and extinction. <i>Neurobiology of Learning and Memory</i> , 2018, 155, 7-20.	1.9	29
209	Reproducibility and validity of electric source localisation with high-resolution electroencephalography. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 103, 652-660.	0.3	28
210	Benefits and pitfalls of keyhole imaging, especially in first-pass perfusion studies. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 312-323.	3.4	28
211	Fast chemical shift mapping with multiecho balanced SSFP. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 267-273.	2.0	28
212	Fast functional brain imaging using constrained reconstruction based on regularization using arbitrary projections. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 394-405.	3.0	28
213	Pulse-Programmable Magnetic Field Sweeping of Parahydrogen-Induced Polarization by Side Arm Hydrogenation. <i>Analytical Chemistry</i> , 2020, 92, 1340-1345.	6.5	28
214	The variability of functional MRI brain signal increases in Alzheimer's disease at cardiorespiratory frequencies. <i>Scientific Reports</i> , 2020, 10, 21559.	3.3	28
215	The utility of multiparametric MRI to characterize hypoxic tumor subvolumes in comparison to FMISO PET/CT. Consequences for diagnosis and chemoradiation treatment planning in head and neck cancer. <i>Radiotherapy and Oncology</i> , 2020, 150, 128-135.	0.6	28
216	Invasive and non-invasive evaluation of spontaneous arteriogenesis in a novel porcine model for peripheral arterial obstructive disease. <i>Atherosclerosis</i> , 2003, 167, 33-43.	0.8	27

#	ARTICLE	IF	CITATIONS
217	Carotid intima-media thickness and distensibility measured by MRI at 3ÅT versus high-resolution ultrasound. <i>European Radiology</i> , 2009, 19, 1470-1479.	4.5	27
218	Direct cerebral and cardiac 17O-MRI at 3ÅTesla: initial results at natural abundance. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 95-99.	2.0	27
219	Cognitive and behavioral comorbidities in Rolandic epilepsy and their relation with default mode network's functional connectivity and organization. <i>Epilepsy and Behavior</i> , 2018, 78, 179-186.	1.7	27
220	Behavioral Aggression Is Associated with the 2D:4D Ratio in Men but Not in Women. <i>Journal of Individual Differences</i> , 2007, 28, 64-72.	1.0	27
221	Functional magnetic resonance imaging evidence for binocular interactions in human visual cortex. <i>Experimental Brain Research</i> , 2002, 145, 334-339.	1.5	26
222	Investigation and modeling of magnetization transfer effects in two-dimensional multislice turbo spin echo sequences with low constant or variable flip angles at 3 T. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 230-234.	3.0	26
223	Working Memory in Schizophrenia: Behavioral and Neural Evidence for Reduced Susceptibility to Item-Specific Proactive Interference. <i>Biological Psychiatry</i> , 2014, 76, 486-494.	1.3	26
224	Acceleration of MRI of the vocal tract provides additional insight into articulator modifications. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 925-935.	3.4	26
225	Effect of radiochemotherapy on T2* MRI in HNSCC and its relation to FMISO PET derived hypoxia and FDG PET. <i>Radiation Oncology</i> , 2018, 13, 159.	2.7	26
226	SAMBADENA Hyperpolarization of ¹³ Cα-Succinate in an MRI: Singlet-Triplet Mixing Causes Polarization Loss. <i>ChemistryOpen</i> , 2019, 8, 728-736.	1.9	25
227	Three-dimensional magnetic resonance flow analysis in a ventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 1471-1476.	0.8	24
228	Remodeling of Sensorimotor Brain Connectivity in <i>Gpr88</i> -Deficient Mice. <i>Brain Connectivity</i> , 2017, 7, 526-540.	1.7	24
229	Double-volume 1H spectroscopy with interleaved acquisitions using tilted gradients. <i>Magnetic Resonance in Medicine</i> , 1991, 20, 27-35.	3.0	23
230	Accelerated time-resolved 3D contrast-enhanced MR angiography at 3T: clinical experience in 31 patients. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 187-195.	2.0	23
231	Multicontrast sequences with continuous table motion: A novel acquisition technique for extended field of view imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 918-922.	3.0	23
232	Influence of corticosteroid treatment on MRI findings in giant cell arteritis. <i>Clinical Rheumatology</i> , 2007, 26, 1541-1543.	2.2	23
233	Neurochemical alterations in women with borderline personality disorder and comorbid attention-deficit hyperactivity disorder. <i>World Journal of Biological Psychiatry</i> , 2010, 11, 372-381.	2.6	23
234	Reconstruction of undersampled radial PatLoc imaging using total generalized variation. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 40-52.	3.0	23

#	ARTICLE	IF	CITATIONS
235	Single shot trajectory design for region-specific imaging using linear and nonlinear magnetic encoding fields. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 684-696.	3.0	23
236	A stress MRI of the shoulder for evaluation of ligamentous stabilizers in acute and chronic acromioclavicular joint instabilities. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 1486-1492.	3.4	23
237	Generalized MR interferography. <i>Magnetic Resonance in Medicine</i> , 1990, 16, 390-402.	3.0	22
238	T2-weighted balanced SSFP imaging (T2-TIDE) using variable flip angles. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 82-93.	3.0	22
239	In Vivo 3-Dimensional Flow Connectivity Mapping After Extracardiac Total Cavopulmonary Connection. <i>Circulation</i> , 2008, 118, e16-7.	1.6	22
240	Robust spatially selective excitation using radiofrequency pulses adapted to the effective spatially encoding magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 409-421.	3.0	22
241	In Vivo Analysis of Coracoclavicular Ligament Kinematics During Shoulder Abduction. <i>American Journal of Sports Medicine</i> , 2012, 40, 185-192.	4.2	22
242	Fast PRF-based MR thermometry using double-echo EPI: in vivo comparison in a clinical hyperthermia setting. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 305-314.	2.0	22
243	One-second MRI of a three-dimensional vocal tract to measure dynamic articulator modifications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 94-101.	3.4	22
244	Brain Reactivity and Selective Attention to Sleep-Related Words in Patients With Chronic Insomnia. <i>Behavioral Sleep Medicine</i> , 2018, 16, 587-600.	2.1	22
245	The Impact of Acamprosate on Cue Reactivity in Alcohol Dependent Individuals. <i>Journal of Clinical Psychopharmacology</i> , 2012, 32, 661-665.	1.4	21
246	Diffusion sensitivity of turbo spin echo sequences. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1528-1537.	3.0	21
247	Schizotypy, social stress and the emergence of psychotic-like states - A case for benign schizotypy?. <i>Schizophrenia Research</i> , 2020, 216, 435-442.	2.0	21
248	Common and dissociable effects of oxytocin and lorazepam on the neurocircuitry of fear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11781-11787.	7.1	21
249	Quiet imaging with interleaved spiral read-out. <i>Magnetic Resonance Imaging</i> , 2001, 19, 1333-1337.	1.8	20
250	2D axial moving table acquisitions with dynamic slice adaptation. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 423-430.	3.0	20
251	Three-Dimensional Flow Characteristics in Aortic Coarctation and Poststenotic Dilatation. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 776-778.	0.9	20
252	Predicting Planning Performance from Structural Connectivity Between Left and Right Mid-Dorsolateral Prefrontal Cortex: Moderating Effects of Age During Postadolescence and Midadulthood. <i>Cerebral Cortex</i> , 2015, 25, 869-883.	2.9	20

#	ARTICLE	IF	CITATIONS
253	Interaction between cognitive reserve and age moderates effect of lesion load on stroke outcome. <i>Scientific Reports</i> , 2021, 11, 4478.	3.3	20
254	Repression-sensitization, gender, and discrepancies in psychobiological reactions to examination stress. <i>Anxiety, Stress and Coping</i> , 2003, 16, 321-329.	2.9	19
255	Inversion recovery prepared turbo spin echo sequences with reduced SAR using smooth transitions between pseudo steady states. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 631-637.	3.0	19
256	Cerebral correlates of heart rate variations during a spontaneous panic attack in the fMRI scanner. <i>Neurocase</i> , 2009, 15, 527-534.	0.6	19
257	Fully automated classification of HARDI in vivo data using a support vector machine. <i>NeuroImage</i> , 2009, 46, 642-651.	4.2	19
258	Closed circuit MR compatible pulsatile pump system using a ventricular assist device and pressure control unit. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 258-268.	3.0	19
259	Magnetic resonance spectroscopy comparing adults with high functioning autism and above average IQ. <i>Molecular Psychiatry</i> , 2014, 19, 1251-1251.	7.9	19
260	fMRI of the auditory cortex in patients with unilateral carotid artery stenoöcclusive disease. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 621-627.	3.4	18
261	Functional neuroimaging of emotional learning and autonomic reactions. <i>Journal of Physiology (Paris)</i> , 2006, 99, 342-354.	2.1	18
262	Development and optimization of weighted methods with reduced RF power deposition (Hyperccho-TSE) for magnetic resonance imaging. <i>Zeitschrift Fur Medizinische Physik</i> , 2008, 18, 151-161.	1.5	18
263	Practical considerations for in vivo MRI with higher dimensional spatial encoding. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 419-431.	2.0	18
264	Excitation and geometrically matched local encoding of curved slices. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1317-1325.	3.0	18
265	Age-related changes of right atrial morphology and inflow pattern assessed using 4D flow cardiovascular magnetic resonance: results of a population-based study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 38.	3.3	18
266	Carotid geometry is an independent predictor of wall thickness ä€ a 3D cardiovascular magnetic resonance study in patients with high cardiovascular risk. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 67.	3.3	18
267	The Lumbar Spine as a Dynamic Structure Depicted in Upright MRI. <i>Medicine (United States)</i> , 2015, 94, e1299.	1.0	17
268	Improving the robustness of 3D turbo spin echo imaging to involuntary motion. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 329-345.	2.0	17
269	Enhanced subject-specific resting-state network detection and extraction with fast fMRI. <i>Human Brain Mapping</i> , 2017, 38, 817-830.	3.6	17
270	Fast imaging for mapping dynamic networks. <i>NeuroImage</i> , 2018, 180, 547-558.	4.2	17

#	ARTICLE	IF	CITATIONS
271	MR Imaging of Flow Using the Steady State Selective Saturation Method. Journal of Computer Assisted Tomography, 1987, 11, 872-877.	0.9	16
272	Improvement of spatial resolution of keyhole effect images. Magnetic Resonance in Medicine, 1998, 39, 244-250.	3.0	16
273	Time-Resolved 3-Dimensional Magnetic Resonance Velocity Mapping at 3 T Reveals Drastic Changes in Flow Patterns in a Partially Thrombosed Aortic Arch. Circulation, 2006, 113, e460-1.	1.6	16
274	Sclerotic Aortic Valve. Circulation, 2007, 116, e336-7.	1.6	16
275	Radial Imaging With Multipolar Magnetic Encoding Fields. IEEE Transactions on Medical Imaging, 2011, 30, 2134-2145.	8.9	16
276	Magnetic resonance tissue phase mapping: Analysis of age-related and pathologically altered left ventricular radial and longitudinal dyssynchrony. Journal of Magnetic Resonance Imaging, 2011, 34, 518-525.	3.4	16
277	Variability of fMRI response patterns at different spatial observation scales. Human Brain Mapping, 2012, 33, 1155-1171.	3.6	16
278	Segmental myocardial velocities in dilated cardiomyopathy with and without left bundle branch block. Journal of Magnetic Resonance Imaging, 2013, 37, 119-126.	3.4	16
279	Negative BOLD in default-mode structures measured with EEG-MREG is larger in temporal than extra-temporal epileptic spikes. Frontiers in Neuroscience, 2014, 8, 335.	2.8	16
280	An L1-norm phase constraint for half-Fourier compressed sensing in 3D MR imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 459-472.	2.0	16
281	From correlation to causation: Estimating effective connectivity from zero-lag covariances of brain signals. PLoS Computational Biology, 2018, 14, e1006056.	3.2	16
282	Dynamic 2D and 3D mapping of hyperpolarized pyruvate to lactate conversion in vivo with efficient multi-echo balanced steady-state free precession at 3 T. NMR in Biomedicine, 2020, 33, e4291.	2.8	16
283	Intrinsic fat suppression in TIDE balanced steady-state free precession imaging. Magnetic Resonance in Medicine, 2006, 56, 1328-1335.	3.0	15
284	Image analysis in time-resolved large field of view 3D MR angiography at 3T. Journal of Magnetic Resonance Imaging, 2008, 28, 1116-1124.	3.4	15
285	Optimized parallel imaging for dynamic PC-MRI with multidirectional velocity encoding. Magnetic Resonance in Medicine, 2010, 64, 472-480.	3.0	15
286	A False-Positive Detection Bias as a Function of State and Trait Schizotypy in Interaction with Intelligence. Frontiers in Psychiatry, 2014, 5, 135.	2.6	15
287	Performance evaluation of matrix gradient coils. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 59-73.	2.0	15
288	Selective excitation of hydrogen doubles the yield and improves the robustness of parahydrogen-induced polarization of low- γ nuclei. Physical Chemistry Chemical Physics, 2021, 23, 26645-26652.	2.8	15

#	ARTICLE	IF	CITATIONS
289	Quasi-continuous production of highly hyperpolarized carbon-13 contrast agents every 15 seconds within an MRI system. <i>Communications Chemistry</i> , 2022, 5, .	4.5	15
290	Fat and water separation at 0.23 T using simultaneous shift selective imaging. <i>Magnetic Resonance in Medicine</i> , 1986, 3, 844-848.	3.0	14
291	Ascendingâ€“descending aortic bypass surgery in aortic arch coarctation: Four-dimensional magnetic resonance flow analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 260-262.e1.	0.8	14
292	Moment and direction of the spoiler gradient for effective artifact suppression in RFâ€“spoiled gradient echo imaging. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 119-127.	3.0	14
293	Hyperecho-Turbo Spin-Echo Sequences at 3T: Clinical Application in Neuroradiology. <i>American Journal of Neuroradiology</i> , 2008, 29, 956-961.	2.4	14
294	Fourâ€“dimensional flowâ€“sensitive MRI of the thoracic aorta: 12â€“versus 32â€“channel coil arrays. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 190-195.	3.4	14
295	Iterative separation of transmit and receive phase contributions and B ₁ + -based estimation of the specific absorption rate for transmit arrays. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 463-476.	2.0	14
296	MR image reconstruction from generalized projections. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 546-557.	3.0	14
297	EEG-fMRI Gradient Artifact Correction by Multiple Motion-Related Templates. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2647-2653.	4.2	14
298	The potential of MR-Encephalography for BCI/Neurofeedback applications with high temporal resolution. <i>NeuroImage</i> , 2019, 194, 228-243.	4.2	14
299	Cardiac Phase Contrast Gradient Echo MRI: Characterization of Abnormal Left Ventricular Wall Motion in Patients with Ischemic Heart Disease. <i>Journal of Computer Assisted Tomography</i> , 2001, 25, 550-557.	0.9	13
300	Visualization of Vascular Hemodynamics in a Case of a Large Patent Ductus Arteriosus Using Flow Sensitive 3D CMR at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007, 9, 585-587.	3.3	13
301	Design multiple-layer gradient coils using least-squares finite element method. <i>Structural and Multidisciplinary Optimization</i> , 2014, 49, 523-535.	3.5	13
302	Single-shot imaging with higher-dimensional encoding using magnetic field monitoring and concomitant field correction. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1340-1357.	3.0	13
303	Preclinical 4D-flow magnetic resonance phase contrast imaging of the murine aortic arch. <i>PLoS ONE</i> , 2017, 12, e0187596.	2.5	13
304	Retrograde aortic blood flow as a mechanism of stroke: MR evaluation of the prevalence in a population-based study. <i>European Radiology</i> , 2019, 29, 5172-5179.	4.5	13
305	15 Years MR-encephalography. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 85-108.	2.0	13
306	Prospective Head Motion Compensation for MRI by Updating the Gradients and Radio Frequency During Data Acquisition. <i>Lecture Notes in Computer Science</i> , 2005, 8, 482-489.	1.3	13

#	ARTICLE	IF	CITATIONS
307	Vitamin C estimation with standard ¹ H spectroscopy using a clinical 3T MR system: Detectability and reliability within the human brain. Journal of Magnetic Resonance Imaging, 2008, 28, 351-358.	3.4	12
308	Space accelerated myocardial perfusion. Journal of Magnetic Resonance Imaging, 2008, 28, 1080-1085.	3.4	12
309	Balanced left ventricular myocardial SSFP tagging at 1.5T and 3T. Magnetic Resonance in Medicine, 2008, 60, 631-639.	3.0	12
310	Onset and Maintenance of Angiogenesis in Biomaterials: In Vivo Assessment by Dynamic Contrast-Enhanced MRI. Tissue Engineering - Part C: Methods, 2009, 15, 455-462.	2.1	12
311	Selective excitation of two-dimensional arbitrarily shaped voxels with parallel excitation in spectroscopy. Magnetic Resonance in Medicine, 2012, 67, 300-309.	3.0	12
312	Spin echoes in the regime of weak dephasing. Magnetic Resonance in Medicine, 2016, 75, 150-160.	3.0	12
313	A comparison of Lenz lenses and LC resonators for NMR signal enhancement. Concepts in Magnetic Resonance Part B, 2017, 47B, e21357.	0.7	12
314	Comparison of wall shear stress estimates obtained by laser Doppler velocimetry, magnetic resonance imaging and numerical simulations. Experiments in Fluids, 2019, 60, 1.	2.4	12
315	Analysis of the wall shear stress in a generic aneurysm under pulsating and transitional flow conditions. Experiments in Fluids, 2020, 61, 1.	2.4	12
316	Fast and exact flow measurements with the fast Fourier flow technique. Magnetic Resonance Imaging, 1988, 6, 369-372.	1.8	11
317	Measurement of CSF flow using an interferographic MR technique based on the RARE-fast imaging sequence. Magnetic Resonance Imaging, 1990, 8, 543-556.	1.8	11
318	Silent BOLD imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2001, 13, 76-81.	2.0	11
319	IMPROVED PRETRANSPLANT ASSESSMENT OF RENAL QUALITY BY MEANS OF PHOSPHORUS-31 MAGNETIC RESONANCE SPECTROSCOPY USING CHEMICAL SHIFT IMAGING. Transplantation, 2004, 77, 1041-1045.	1.0	11
320	Optimized 3D bright blood MRI of aortic plaque at 3 T. Magnetic Resonance Imaging, 2008, 26, 330-336.	1.8	11
321	Optimized EPI for fMRI using a slice-dependent template-based gradient compensation method to recover local susceptibility-induced signal loss. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 165-176.	2.0	11
322	Microcoil-based MRI: feasibility study and cell culture applications using a conventional animal system. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 137-145.	2.0	11
323	PexLoc Parallel excitation using local encoding magnetic fields with nonlinear and nonbijective spatial profiles. Magnetic Resonance in Medicine, 2013, 70, 1220-1228.	3.0	11
324	Parallel imaging with phase scrambling. Magnetic Resonance in Medicine, 2015, 73, 1407-1419.	3.0	11

#	ARTICLE	IF	CITATIONS
325	Revealing signal from noisy ¹⁹ F MR images by chemical shift artifact correction. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2225-2233.	3.0	11
326	Phasedâ€array of microcoils allows ¹ H MR microscopy of <i>ex vivo</i> human skin samples at 9.4 T. <i>Skin Research and Technology</i> , 2015, 21, 61-68.	1.6	11
327	Nanoprobes for Multimodal Visualization of Bone Mineral Phase in Magnetic Resonance and Near-Infrared Optical Imaging. <i>ACS Omega</i> , 2016, 1, 182-192.	3.5	11
328	Multi-contrast and three-dimensional assessment of the aortic wall using 3 T MRI. <i>European Journal of Radiology</i> , 2017, 91, 148-154.	2.6	11
329	A positive-psychological intervention reduces acute psychosis-proneness. <i>Schizophrenia Research</i> , 2018, 199, 414-419.	2.0	11
330	Rheumatoid Arthritis Lesions of the Wrist Examined by Rapid Gradient-Echo Magnetic Resonance Imaging. <i>Scandinavian Journal of Rheumatology</i> , 1990, 19, 235-238.	1.1	10
331	Magnetic resonance imaging and spectroscopy (MRI, MRS) of seasonal patterns of body composition: A methodological pilot study in White Storks (<i>Ciconia ciconia</i>). <i>Journal Fur Ornithologie</i> , 2001, 142, 63-72.	1.2	10
332	Non-Invasive Follow-up Evaluation of Post-Embolized AVM with Time-Resolved MRA: A Case Report. <i>Korean Journal of Radiology</i> , 2002, 3, 271.	3.4	10
333	Ultra high field MR: useful instruments or toys for the boys. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 1-3.	2.0	10
334	Optimization MRI Cylindrical Coils Using Discretized Stream Function With High Order Smoothness. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 1179-1188.	2.1	10
335	Impact of Alcohol-Related Video Sequences on Functional MRI in Abstinent Alcoholics. <i>European Addiction Research</i> , 2013, 20, 33-40.	2.4	10
336	Local shape adaptation for curved slice selection. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 112-123.	3.0	10
337	Optimization of Coil Element Configurations for a Matrix Gradient Coil. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 284-292.	8.9	10
338	The Relationship between Brain Morphology and Polysomnography in Healthy Good Sleepers. <i>PLoS ONE</i> , 2014, 9, e109336.	2.5	10
339	Relationship of 5-HTTLPR Polymorphism with Various Factors of Pain Processing: Subjective Experience, Motor Responsiveness and Catastrophizing. <i>PLoS ONE</i> , 2016, 11, e0153089.	2.5	10
340	Local elastic matching and pattern recognition in MR mammography. <i>International Journal of Imaging Systems and Technology</i> , 1999, 10, 199-206.	4.1	9
341	An approach towards molecular imaging of activated platelets allows imaging of symptomatic human carotid plaques in a new model of a tissue flow chamber. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 204-213.	0.8	9
342	Stages: Subâ€Fourier dynamic shim updating using nonlinear magnetic field phase preparation. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 57-66.	3.0	9

#	ARTICLE	IF	CITATIONS
343	Preoperative Assessment of Neural Elements in Lumbar Spinal Stenosis by Upright Magnetic Resonance Imaging: An Implication for Routine Practice?. <i>Cureus</i> , 2018, 10, e2440.	0.5	9
344	Design of small-scale gradient coils in magnetic resonance imaging by using the topology optimization method. <i>Chinese Physics B</i> , 2018, 27, 050201.	1.4	9
345	Direct modelling of gradient artifacts for EEG-fMRI denoising and motion tracking. <i>Journal of Neural Engineering</i> , 2019, 16, 056010.	3.5	9
346	Influence of chronotype on daily mood fluctuations: pilot study in patients with depression. <i>BJPsych Open</i> , 2020, 6, e17.	0.7	9
347	Localized singletâ€filtered MRS in vivo. <i>NMR in Biomedicine</i> , 2021, 34, e4400.	2.8	9
348	Modular Coils with Low Hydrogen Content Especially for MRI of Dry Solids. <i>PLoS ONE</i> , 2015, 10, e0139763.	2.5	9
349	Monoplanar gradient system for imaging with nonlinear gradients. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 447-457.	2.0	8
350	The Idea Is Good, butâ€: Failure to Replicate Associations of Oxytocinergic Polymorphisms with Face-Inversion in the N170. <i>PLoS ONE</i> , 2016, 11, e0151991.	2.5	8
351	Lifetime of Para hydrogen in Aqueous Solutions and Human Blood. <i>ChemPhysChem</i> , 2019, 20, 2408-2412.	2.1	8
352	High field <i>para</i> hydrogen induced polarization of succinate and phospholactate. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2320-2330.	2.8	8
353	Regional myocardial function with tissue phase mapping. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1998, 6, 145-146.	2.0	7
354	Signal behavior in continuously ramped 2D TrueFISP for whole-body imaging. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 1085-1090.	3.0	7
355	Kinetics of PME/Pi in pig kidneys during cold ischemia. <i>NMR in Biomedicine</i> , 2007, 20, 652-657.	2.8	7
356	Volumetric analysis of MRI data monitoring the treatment of polycystic kidney disease in a mouse model. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 109-119.	2.0	7
357	Functional spectroscopy to no-gradient fMRI. <i>NeuroImage</i> , 2012, 62, 693-698.	4.2	7
358	Microcoilâ€based MR phase imaging and manganese enhanced microscopy of glial tumor neurospheres with direct optical correlation. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 86-97.	3.0	7
359	Imaging with positive T_1 â€contrast using superstimulated echoes. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1157-1165.	3.0	7
360	Threeâ€dimensional arbitrary voxel shapes in spectroscopy with submillisecond TEs. <i>NMR in Biomedicine</i> , 2012, 25, 1000-1006.	2.8	7

#	ARTICLE	IF	CITATIONS
361	Development and Characterization of An Unshielded PatLoc Gradient Coil for Human Head Imaging. Concepts in Magnetic Resonance Part B, 2013, 43, 111-125.	0.7	7
362	Marker-based ballistocardiographic artifact correction improves spike identification in EEG-fMRI of focal epilepsy patients. Clinical Neurophysiology, 2016, 127, 2802-2811.	1.5	7
363	Histological Correlates of Diffusion-Weighted Magnetic Resonance Microscopy in a Mouse Model of Mesial Temporal Lobe Epilepsy. Frontiers in Neuroscience, 2020, 14, 543.	2.8	7
364	Neurochemical alterations in women with borderline personality disorder and comorbid attention-deficit hyperactivity disorder. World Journal of Biological Psychiatry, 0, , 1-10.	2.6	7
365	Overlapping section coverage in multisection imaging. Journal of Magnetic Resonance Imaging, 1993, 3, 425-432.	3.4	6
366	Use of simulated annealing for the design of multiple repetition time balanced steadyâ€state free precession imaging. Magnetic Resonance in Medicine, 2012, 68, 220-226.	3.0	6
367	Accelerated point spread function mapping using signal modeling for accurate echoâ€planar imaging geometric distortion correction. Magnetic Resonance in Medicine, 2013, 69, 1650-1656.	3.0	6
368	Image reconstruction in kâ€space from MR data encoded with ambiguous gradient fields. Magnetic Resonance in Medicine, 2015, 73, 857-864.	3.0	6
369	Intrinsic diffusion sensitivity of the balanced steadyâ€state free precession (bSSFP) imaging sequence. NMR in Biomedicine, 2015, 28, 1383-1392.	2.8	6
370	Segmental biventricular analysis of myocardial function using high temporal and spatial resolution tissue phase mapping. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 61-73.	2.0	6
371	Stress induced cortisol release and schizotypy - The importance of cognitive slippage and neuroticism. Psychoneuroendocrinology, 2018, 96, 142.	2.7	6
372	Analysis of accelerated 4D flow MRI in the murine aorta by radial acquisition and compressed sensing reconstruction. NMR in Biomedicine, 2020, 33, e4394.	2.8	6
373	Strategies to improve intratrain prospective motion correction for turbo spinâ€echo sequences with constant flip angles. Magnetic Resonance in Medicine, 2021, 86, 852-865.	3.0	6
374	Intracranial vessel wall imaging framework â€“ Data acquisition, processing, and visualization. Magnetic Resonance Imaging, 2021, 83, 114-124.	1.8	6
375	Psychophysiological Assessment of Social Stress in Natural and Laboratory Situations. Journal of Psychophysiology, 2017, 31, 67-77.	0.7	6
376	A phase IA, open-label, dose-escalating study of PTK787/ZK 222584 administered orally on a continuous dosing schedule in patients with advanced cancer. Anticancer Research, 2010, 30, 2335-9.	1.1	6
377	Disturbed behavioural adaptability as related to reproductive hormones and emotional states during the menstrual cycle. European Journal of Personality, 1998, 12, 287-300.	3.1	5
378	Decoupling of the short-term hemodynamic response and the blood oxygen concentration. NMR in Biomedicine, 2001, 14, 402-407.	2.8	5

#	ARTICLE	IF	CITATIONS
379	Homogeneous preparation encoding (HoPE) in multislice imaging. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 745-752.	3.0	5
380	Importance of exactb-tensor calculation for quantitative diffusion tensor imaging and tracking of neuronal fiber bundles. <i>Applied Magnetic Resonance</i> , 2005, 29, 107-122.	1.2	5
381	Lack of Empirical Reference Data for In Vivo Magnetic Resonance Spectroscopic Glutamate Measurements in Humans. <i>Biological Psychiatry</i> , 2007, 61, 1219-1220.	1.3	5
382	Extended multi- $\text{flip angle } B_1$ mapping: A 3D mapping method for inhomogeneous B_1 fields. <i>Concepts in Magnetic Resonance Part B</i> , 2010, 37B, 203-214.	0.7	5
383	Local field of view imaging for alias-free undersampling with nonlinear spatial encoding magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1002-1014.	3.0	5
384	Improved method for MR microscopy of brain tissue cultured with the interface method combined with Lenz lenses. <i>Magnetic Resonance Imaging</i> , 2018, 52, 24-32.	1.8	5
385	Sparse Estimation of Resting-State Effective Connectivity From fMRI Cross-Spectra. <i>Frontiers in Neuroscience</i> , 2018, 12, 287.	2.8	5
386	Mapping the living mouse brain neural architecture: strain-specific patterns of brain structural and functional connectivity. <i>Brain Structure and Function</i> , 2021, 226, 647-669.	2.3	5
387	Carotid Geometry and Wall Shear Stress Independently Predict Increased Wall Thickness: A Longitudinal 3D MRI Study in High-Risk Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 723860.	2.4	5
388	Test of Nyborg's General Trait Covariance (GTC) model for hormonally guided development by means of structural equation modeling. <i>European Journal of Personality</i> , 2003, 17, 221-235.	3.1	4
389	Paramagnetic Liposomes as Thermosensitive Probes for MRI-Guided Thermal Treatment: In Vitro Feasibility Studies. <i>Applied Magnetic Resonance</i> , 2008, 33, 469.	1.2	4
390	Gradients in Ultra High Field (UHF) MRI. <i>Medical Radiology</i> , 2012, , 27-40.	0.1	4
391	Tendon Graft Fixation Sites at the Coracoid Process for Reconstruction of the Coracoclavicular Ligaments: A Kinematic Evaluation of Three Different Surgical Techniques. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 317-324.	2.7	4
392	Incorporation of image data from a previous examination in 3D serial MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 413-425.	2.0	4
393	Design of a 3T preamplifier which stability is insensitive to coil loading. <i>Journal of Magnetic Resonance</i> , 2016, 265, 215-223.	2.1	4
394	Direct matching methods for coils and preamplifiers in MRI. <i>Journal of Magnetic Resonance</i> , 2018, 290, 85-91.	2.1	4
395	Frequency-adjustable magnetic field probes. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1123-1133.	3.0	4
396	Three-dimensional spatially resolved phase graph framework. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 551-560.	3.0	4

#	ARTICLE	IF	CITATIONS
397	Analysis of MR Images of Mice in Preclinical Treatment Monitoring of Polycystic Kidney Disease. Lecture Notes in Computer Science, 2009, 12, 665-672.	1.3	4
398	Switching Circuit Optimization for Matrix Gradient Coils. Tomography, 2019, 5, 248-259.	1.8	4
399	The effect of perfusion on the temperature distribution during thermotherapy: Study on perfused porcine kidneys. Applied Magnetic Resonance, 2003, 24, 215-224.	1.2	3
400	Direct Magnetic Field Estimation Based on Echo Planar Raw Data. IEEE Transactions on Medical Imaging, 2010, 29, 1401-1411.	8.9	3
401	Continuously moving table time-of-flight angiography of the peripheral veins. Magnetic Resonance in Medicine, 2010, 63, 1219-1229.	3.0	3
402	Perceptual Experience of Visual Motion Activates hMT+ Independently From the Physical Reality: fMRI Insights From the Looming Pinna Figure. Perception, 2016, 45, 1211-1221.	1.2	3
403	The noise factor of receiver coil matching networks in MRI. Magnetic Resonance Imaging, 2017, 37, 252-259.	1.8	3
404	High resolution CBV assessment with PEAK-EPI: k-t-undersampling and reconstruction in echo planar imaging. Magnetic Resonance in Medicine, 2017, 77, 2153-2166.	3.0	3
405	Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. Data in Brief, 2018, 19, 1361-1381.	1.0	3
406	MR-based wall shear stress measurements in fully developed turbulent flow using the Clauser plot method. Journal of Magnetic Resonance, 2019, 305, 16-21.	2.1	3
407	Time-domain principal component reconstruction (tPCR): A more efficient and stable iterative reconstruction framework for non-Cartesian functional MRI. Magnetic Resonance in Medicine, 2020, 84, 1321-1335.	3.0	3
408	Improving the sensitivity of spin-echo fMRI at 3T by highly accelerated acquisitions. Magnetic Resonance in Medicine, 2021, 86, 245-257.	3.0	3
409	Positive psychology interventions in in-patients with depression: influences of comorbidity and subjective evaluation of the training programme. BJPsych Open, 2021, 7, e109.	0.7	3
410	Single shot spiral TSE with annulated segmentation. Magnetic Resonance in Medicine, 2022, 88, 651-662.	3.0	3
411	Moderators and mechanisms relating personality to reward and dopamine: Some findings and open questions. Behavioral and Brain Sciences, 1999, 22, 531-532.	0.7	2
412	Hemodynamical Assessment of Cavernous Hemangioma in Cavernous Sinus Using MR-DSA and Conventional DSA. Yonsei Medical Journal, 2003, 44, 908.	2.2	2
413	The historical documentation of scientific developments: Scientists should participate. Journal of Magnetic Resonance Imaging, 2004, 20, 181-182.	3.4	2
414	TRIM: TR independent multislice imaging. Magnetic Resonance in Medicine, 2004, 51, 1239-1246.	3.0	2

#	ARTICLE	IF	CITATIONS
415	Modern Applications of MRI in Medical Sciences. , 0, , 343-476.		2
416	Increasing spoiling efficiency in RFspoiled gradient echo sequences by averaging of RF phasecycleadapted<i>k</i>spaces. Magnetic Resonance in Medicine, 2011, 66, 1123-1128.	3.0	2
417	Variations in central serotonergic activity â” Relevance of the 5-HTTLPR, life events and their interaction. Behavioural Brain Research, 2015, 277, 245-253.	2.2	2
418	The Role of Dopamine in Anticipatory Pursuit Eye Movements: Insights from Genetic Polymorphisms in Healthy Adults. ENeuro, 2016, 3, ENEURO.0190-16.2016.	1.9	2
419	Prospective MR image alignment between breath-holds: Application to renal BOLD MRI. Magnetic Resonance in Medicine, 2017, 77, 1573-1582.	3.0	2
420	Targeted partial reconstruction for realtime fMRI with arbitrary trajectories. Magnetic Resonance in Medicine, 2019, 81, 1118-1129.	3.0	2
421	Hippocampal and medial prefrontal cortical volume is associated with overnight declarative memory consolidation independent of specific sleep oscillations. Journal of Sleep Research, 2020, 29, e13062.	3.2	2
422	Influence of Pulse Wave Velocity on Atherosclerosis and Blood Flow Reversal in the Aorta. Journal of Thoracic Imaging, 2022, 37, 42-48.	1.5	2
423	Absence of Nâ€acetylaspartate in the human brain: Impact on neurospectroscopy?. Annals of Neurology, 2001, 49, 518-521.	5.3	2
424	Image-based assessment of uncertainty in quantification of carotid lumen. Journal of Medical Imaging, 2018, 5, 1.	1.5	2
425	Autoalignment of intervertebral disks. Journal of Magnetic Resonance Imaging, 2007, 25, 938-946.	3.4	1
426	An Approach of Deriving Relative Sensitivity Profiles for Image Reconstruction in MRI. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 817-827.	10.8	1
427	Multiplex RARE: A simultaneous multislice spinâ€echo sequence that fulfils CPMG conditions. Magnetic Resonance in Medicine, 2010, 64, 299-305.	3.0	1
428	Inflection Points in Magnetic Resonance Imaging Technologyâ”35 Years of Collaborative Research and Development. Investigative Radiology, 2015, 50, 645-656.	6.2	1
429	Association between COMT genotype and the control of memory guided saccades: Individual differences in healthy adults reveal a detrimental role of dopamine. Vision Research, 2017, 141, 170-180.	1.4	1
430	Application of spin echoes in the regime of weak dephasing to <i>T</i>₁â€mapping of the lung. Magnetic Resonance in Medicine, 2018, 79, 960-967.	3.0	1
431	Probabilistic Assignment of Brain Responses to the Human Amygdala and its Subregions using High Resolution Functional MRI. IFMBE Proceedings, 2009, , 807-810.	0.3	1
432	Image-based assessment of uncertainty in quantification of carotid lumen. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
433	First-pass perfusion measurements of the rat and human brain: Experimental data and first clinical observations. Academic Radiology, 1996, 3, S387-S388.	2.5	0
434	Shifting needs in international MRI. Journal of Magnetic Resonance Imaging, 1997, 7, 265-265.	3.4	0
435	Regional myocardial function with tissue phase mapping. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 145-146.	2.0	0
436	Specificity of affiliation supported by neurotransmitter challenge tests and molecular genetics. Behavioral and Brain Sciences, 2005, 28, .	0.7	0
437	Can homogeneous preparation encoding (HoPE) help reduce scan time in abdominal MRI? A clinical evaluation. Journal of Magnetic Resonance Imaging, 2007, 26, 442-447.	3.4	0
438	Magnetic Resonance in Medicine at 30. Magnetic Resonance in Medicine, 2014, 71, 901-902.	3.0	0
439	Multislice localized parallel excitation for <scp>EPI</scp> applications in humans. Concepts in Magnetic Resonance Part B, 2015, 45, 153-173.	0.7	0
440	Trading off spatio-temporal properties in 3D high-speed fMRI using interleaved stack-of-spirals trajectories. Magnetic Resonance in Medicine, 2021, 86, 777-790.	3.0	0
441	Parametric Sequential Method for MRI-Based Wall Shear Stress Quantification. IEEE Transactions on Medical Imaging, 2021, 40, 1105-1112.	8.9	0
442	MR Physics and Imaging of Phase Contrast MRI. Computational Imaging and Vision, 2001, , 219-255.	0.6	0