

# Jürgen Hennig

## List of Publications by Year in descending order

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442  
papers

24,697  
citations

6613

79  
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11308

136  
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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

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19	Clinical applications and methodological developments of the RARE technique. Magnetic Resonance Imaging, 1988, 6, 391-395.	1.8	184
20	In Vivo Wall Shear Stress Distribution in the Carotid Artery. Circulation: Cardiovascular Imaging, 2010, 3, 647-655.	2.6	181
21	Frontoorbital volume reductions in adult patients with attention deficit hyperactivity disorder. Neuroscience Letters, 2002, 328, 319-321.	2.1	177
22	Magnetization preparation during the steady state: Fat-saturated 3D TrueFISP. Magnetic Resonance in Medicine, 2001, 45, 1075-1080.	3.0	175
23	Is TrueFISP a gradient-echo or a spin-echo sequence?. Magnetic Resonance in Medicine, 2003, 49, 395-397.	3.0	172
24	T1 quantification with inversion recovery TrueFISP. Magnetic Resonance in Medicine, 2001, 45, 720-723.	3.0	170
25	A voxel-based morphometric MRI study in female patients with borderline personality disorder. NeuroImage, 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. Cancer Research, 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. European Journal of Cancer, 2005, 41, 1291-1299.	2.8	166
28	Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. Cerebral Cortex, 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. Journal of Magnetic Resonance Imaging, 2009, 30, 77-84.	3.4	153
30	Tracking dynamic resting-state networks at higher frequencies using MR-encephalography. NeuroImage, 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. Magnetic Resonance in Medicine, 1995, 33, 18-23.	3.0	149
32	Low rank alternating direction method of multipliers reconstruction for MR fingerprinting. Magnetic Resonance in Medicine, 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. Magnetic Resonance in Medicine, 2010, 63, 330-338.	3.0	146
34	Increased Prefrontal and Hippocampal Glutamate Concentration in Schizophrenia: Evidence from a Magnetic Resonance Spectroscopy Study. Biological Psychiatry, 2005, 58, 724-730.	1.3	144
35	Experimental analysis of parallel excitation using dedicated coil setups and simultaneous RF transmission on multiple channels. Magnetic Resonance in Medicine, 2005, 54, 994-1001.	3.0	143
36	1H-magnetic resonance spectroscopy in obsessive-compulsive disorder: evidence for neuronal loss in the cingulate gyrus and the right striatum. Psychiatry Research - Neuroimaging, 1997, 74, 173-176.	1.8	142

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37	Direct absolute quantification of metabolites in the human brain within vivo localized proton spectroscopy. NMR in Biomedicine, 1992, 5, 193-199.	2.8	141
38	Functional Imaging by IO- and T2* -parameter mapping using multi-image EPI. Magnetic Resonance in Medicine, 1998, 40, 243-248.	3.0	138
39	Complex Plaques in the Proximal Descending Aorta. Stroke, 2010, 41, 1145-1150.	2.0	138
40	Disentangling micro from mesostructure by diffusion MRI: A Bayesian approach. NeuroImage, 2017, 147, 964-975.	4.2	138
41	HIV-related metabolic abnormalities in the brain: depiction with proton MR spectroscopy with short echo times.. Radiology, 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. European Radiology, 2006, 16, 1651-1658.	4.5	127
43	A hyperpolarized equilibrium for magnetic resonance. Nature Communications, 2013, 4, 2946.	12.8	126
44	Time-resolved projection angiography after bolus injection of contrast agent. Magnetic Resonance in Medicine, 1997, 37, 341-345.	3.0	125
45	Parallel imaging in non-bijective, curvilinear magnetic field gradients: a concept study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 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. Molecular Psychiatry, 2014, 19, 1314-1325.	7.9	125
47	Insomnia Disorder is Associated with Increased Amygdala Reactivity to Insomnia-Related Stimuli. Sleep, 2014, 37, 1907-1917.	1.1	125
48	Visual Processing in Infants and Children Studied Using Functional MRI. Pediatric Research, 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. Journal of Neuroscience, 2013, 33, 7837-7845.	3.6	117
50	Reduced circular field-of-view imaging. Magnetic Resonance in Medicine, 1998, 40, 474-480.	3.0	116
51	Absence of N-acetylaspartate in the human brain: Impact on neurospectroscopy?. Annals of Neurology, 2001, 49, 518-521.	5.3	115
52	Coupling effects in volume selective <sup>1</sup> H spectroscopy of major brain metabolites. Magnetic Resonance in Medicine, 1991, 21, 82-96.	3.0	113
53	Proton-transfer kinetics in solids: tautomerism in free base porphines by nitrogen-15 CPMAS NMR. Journal of the American Chemical Society, 1984, 106, 4059-4060.	13.7	111
54	In vivo assessment of wall shear stress in the atherosclerotic aorta using flow-sensitive 4D MRI. Magnetic Resonance in Medicine, 2010, 63, 1529-1536.	3.0	108

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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

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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 <i>kâ€t</i>-â€spaceâ€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

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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



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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 <sub>1</sub> -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



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

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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

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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
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