

Jürgen Hennig

List of Publications by Year in descending order

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442
papers

24,697
citations

6613

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11308

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all docs

456
docs citations

456
times ranked

20483
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Quasi-continuous production of highly hyperpolarized carbon-13 contrast agents every 15 seconds within an MRI system. Communications Chemistry, 2022, 5, .	4.5	15
3	Single shot spiral <scp>TSE</scp> with annulated segmentation. Magnetic Resonance in Medicine, 2022, 88, 651-662.	3.0	3
4	15 Years MR-encephalography. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 85-108.	2.0	13
5	Frequency-adjustable magnetic field probes. Magnetic Resonance in Medicine, 2021, 85, 1123-1133.	3.0	4
6	Localized singlet-filtered MRS in vivo. NMR in Biomedicine, 2021, 34, e4400.	2.8	9
7	High field <i>para</i>hydrogen induced polarization of succinate and phospholactate. Physical Chemistry Chemical Physics, 2021, 23, 2320-2330.	2.8	8
8	Mapping the living mouse brain neural architecture: strain-specific patterns of brain structural and functional connectivity. Brain Structure and Function, 2021, 226, 647-669.	2.3	5
9	Three-dimensional spatially resolved phase graph framework. Magnetic Resonance in Medicine, 2021, 86, 551-560.	3.0	4
10	Interaction between cognitive reserve and age moderates effect of lesion load on stroke outcome. Scientific Reports, 2021, 11, 4478.	3.3	20
11	Improving the sensitivity of spin-echo fMRI at 3T by highly accelerated acquisitions. Magnetic Resonance in Medicine, 2021, 86, 245-257.	3.0	3
12	Strategies to improve intratrain prospective motion correction for turbo spin-echo sequences with constant flip angles. Magnetic Resonance in Medicine, 2021, 86, 852-865.	3.0	6
13	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
14	Cardiovascular brain impulses in Alzheimer's disease. Brain, 2021, 144, 2214-2226.	7.6	38
15	Parametric Sequential Method for MRI-Based Wall Shear Stress Quantification. IEEE Transactions on Medical Imaging, 2021, 40, 1105-1112.	8.9	0
16	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
17	The ventral pathway of the human brain: A continuous association tract system. NeuroImage, 2021, 234, 117977.	4.2	32
18	Intracranial vessel wall imaging framework – Data acquisition, processing, and visualization. Magnetic Resonance Imaging, 2021, 83, 114-124.	1.8	6

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19	Carotid Geometry and Wall Shear Stress Independently Predict Increased Wall Thicknessâ€”A Longitudinal 3D MRI Study in High-Risk Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 723860.	2.4	5
20	Selective excitation of hydrogen doubles the yield and improves the robustness of parahydrogen-induced polarization of low- 13 nuclei. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26645-26652.	2.8	15
21	Pulse-Programmable Magnetic Field Sweeping of Parahydrogen-Induced Polarization by Side Arm Hydrogenation. <i>Analytical Chemistry</i> , 2020, 92, 1340-1345.	6.5	28
22	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
23	Joint Imaging Platform for Federated Clinical Data Analytics. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 1027-1038.	2.1	39
24	Analysis of accelerated 4D flow MRI in the murine aorta by radial acquisition and compressed sensing reconstruction. <i>NMR in Biomedicine</i> , 2020, 33, e4394.	2.8	6
25	Carotid geometry is an independent predictor of wall thickness â€” 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
26	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
27	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
28	Hippocampal and medial prefrontal cortical volume is associated with overnight declarative memory consolidation independent of specific sleep oscillations. <i>Journal of Sleep Research</i> , 2020, 29, e13062.	3.2	2
29	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
30	Histological Correlates of Diffusion-Weighted Magnetic Resonance Microscopy in a Mouse Model of Mesial Temporal Lobe Epilepsy. <i>Frontiers in Neuroscience</i> , 2020, 14, 543.	2.8	7
31	Dynamic 2D and 3D mapping of hyperpolarized pyruvate to lactate conversion in vivo with efficient multiâ€”echo balanced steadyâ€”state free precession at 3 T. <i>NMR in Biomedicine</i> , 2020, 33, e4291.	2.8	16
32	Analysis of the wall shear stress in a generic aneurysm under pulsating and transitional flow conditions. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	12
33	Timeâ€”domain principal component reconstruction (tPCR): A more efficient and stable iterative reconstruction framework for nonâ€”Cartesian functional MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1321-1335.	3.0	3
34	Influence of chronotype on daily mood fluctuations: pilot study in patients with depression. <i>BJPsych Open</i> , 2020, 6, e17.	0.7	9
35	SAMBADENA Hyperpolarization of ^{13}C -Succinate in an MRI: Singletâ€”Triplet Mixing Causes Polarization Loss. <i>ChemistryOpen</i> , 2019, 8, 728-736.	1.9	25
36	Lifetime of Para hydrogen in Aqueous Solutions and Human Blood. <i>ChemPhysChem</i> , 2019, 20, 2408-2412.	2.1	8

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37	Direct modelling of gradient artifacts for EEG-fMRI denoising and motion tracking. Journal of Neural Engineering, 2019, 16, 056010.	3.5	9
38	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
39	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
40	The potential of MR-Encephalography for BCI/Neurofeedback applications with high temporal resolution. NeuroImage, 2019, 194, 228-243.	4.2	14
41	Retrograde aortic blood flow as a mechanism of stroke: MR evaluation of the prevalence in a population-based study. European Radiology, 2019, 29, 5172-5179.	4.5	13
42	Oxytocin enhances the pain-relieving effects of social support in romantic couples. Human Brain Mapping, 2019, 40, 242-251.	3.6	44
43	Targeted partial reconstruction for real-time fMRI with arbitrary trajectories. Magnetic Resonance in Medicine, 2019, 81, 1118-1129.	3.0	2
44	Switching Circuit Optimization for Matrix Gradient Coils. Tomography, 2019, 5, 248-259.	1.8	4
45	Should patients with brain implants undergo MRI?. Journal of Neural Engineering, 2018, 15, 041002.	3.5	78
46	Optimization of Coil Element Configurations for a Matrix Gradient Coil. IEEE Transactions on Medical Imaging, 2018, 37, 284-292.	8.9	10
47	A positive-psychological intervention reduces acute psychosis-proneness. Schizophrenia Research, 2018, 199, 414-419.	2.0	11
48	Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. NeuroImage, 2018, 175, 215-229.	4.2	35
49	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
50	Direct matching methods for coils and preamplifiers in MRI. Journal of Magnetic Resonance, 2018, 290, 85-91.	2.1	4
51	Brain Reactivity and Selective Attention to Sleep-Related Words in Patients With Chronic Insomnia. Behavioral Sleep Medicine, 2018, 16, 587-600.	2.1	22
52	Development and implementation of an 84-channel matrix gradient coil. Magnetic Resonance in Medicine, 2018, 79, 1181-1191.	3.0	42
53	Application of spin echoes in the regime of weak dephasing to T_1 -mapping of the lung. Magnetic Resonance in Medicine, 2018, 79, 960-967.	3.0	1
54	Low rank alternating direction method of multipliers reconstruction for MR fingerprinting. Magnetic Resonance in Medicine, 2018, 79, 83-96.	3.0	148

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55	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
56	Fast imaging for mapping dynamic networks. <i>NeuroImage</i> , 2018, 180, 547-558.	4.2	17
57	In vivo ¹³ C-MRI using SAMBADENA. <i>PLoS ONE</i> , 2018, 13, e0200141.	2.5	35
58	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
59	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
60	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
61	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
62	Stress induced cortisol release and schizotypy - The importance of cognitive slippage and neuroticism. <i>Psychoneuroendocrinology</i> , 2018, 96, 142.	2.7	6
63	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
64	Sparse Estimation of Resting-State Effective Connectivity From fMRI Cross-Spectra. <i>Frontiers in Neuroscience</i> , 2018, 12, 287.	2.8	5
65	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
66	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
67	Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. <i>Data in Brief</i> , 2018, 19, 1361-1381.	1.0	3
68	From correlation to causation: Estimating effective connectivity from zero-lag covariances of brain signals. <i>PLoS Computational Biology</i> , 2018, 14, e1006056.	3.2	16
69	Image-based assessment of uncertainty in quantification of carotid lumen. , 2018, , .		1
70	Image-based assessment of uncertainty in quantification of carotid lumen. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	1.5	2
71	Prospective MR image alignment between breath-holds: Application to renal BOLD MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1573-1582.	3.0	2
72	Pseudo Steadyâ€State Free Precession for MRâ€Fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1151-1161.	3.0	71

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73	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
74	Multi-contrast and three-dimensional assessment of the aortic wall using 3 T MRI. European Journal of Radiology, 2017, 91, 148-154.	2.6	11
75	How the brain codes intimacy: The neurobiological substrates of romantic touch. Human Brain Mapping, 2017, 38, 4525-4534.	3.6	68
76	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
77	One-second MRI of a three-dimensional vocal tract to measure dynamic articulator modifications. Journal of Magnetic Resonance Imaging, 2017, 46, 94-101.	3.4	22
78	Remodeling of Sensorimotor Brain Connectivity in <i>Gpr88</i> -Deficient Mice. Brain Connectivity, 2017, 7, 526-540.	1.7	24
79	A comparison of Lenz lenses and LC resonators for NMR signal enhancement. Concepts in Magnetic Resonance Part B, 2017, 47B, e21357.	0.7	12
80	Disentangling micro from mesostructure by diffusion MRI: A Bayesian approach. NeuroImage, 2017, 147, 964-975.	4.2	138
81	The noise factor of receiver coil matching networks in MRI. Magnetic Resonance Imaging, 2017, 37, 252-259.	1.8	3
82	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
83	Enhanced subject-specific resting-state network detection and extraction with fast fMRI. Human Brain Mapping, 2017, 38, 817-830.	3.6	17
84	The connectomics of brain demyelination: Functional and structural patterns in the cuprizone mouse model. NeuroImage, 2017, 146, 1-18.	4.2	83
85	Distinctive time-lagged resting-state networks revealed by simultaneous EEG-fMRI. NeuroImage, 2017, 145, 1-10.	4.2	32
86	Early tissue damage and microstructural reorganization predict disease severity in experimental epilepsy. ELife, 2017, 6, .	6.0	41
87	Preclinical 4D-flow magnetic resonance phase contrast imaging of the murine aortic arch. PLoS ONE, 2017, 12, e0187596.	2.5	13
88	Aortic atheroma as a source of stroke – assessment of embolization risk using 3D CMR in stroke patients and controls. Journal of Cardiovascular Magnetic Resonance, 2017, 19, 67.	3.3	33
89	Psychophysiological Assessment of Social Stress in Natural and Laboratory Situations. Journal of Psychophysiology, 2017, 31, 67-77.	0.7	6
90	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

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91	The Idea Is Good, butâ€¦: Failure to Replicate Associations of Oxytocinergic Polymorphisms with Face-Inversion in the N170. PLoS ONE, 2016, 11, e0151991.	2.5	8
92	Magnetic Resonance Spectroscopy in Patients with Insomnia: A Repeated Measurement Study. PLoS ONE, 2016, 11, e0156771.	2.5	31
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	Predictors and signatures of recovery from neglect in acute stroke. Annals of Neurology, 2016, 79, 673-686.	5.3	55
95	Dental MRI using wireless intraoral coils. Scientific Reports, 2016, 6, 23301.	3.3	78
96	Magnetic resonance imaging of intraoral hard and soft tissues using an intraoral coil and FLASH sequences. European Radiology, 2016, 26, 4616-4623.	4.5	44
97	Marker-based ballistocardiographic artifact correction improves spike identification in EEG-fMRI of focal epilepsy patients. Clinical Neurophysiology, 2016, 127, 2802-2811.	1.5	7
98	Deletion of the mu opioid receptor gene in mice reshapes the rewardâ€“aversion connectome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11603-11608.	7.1	64
99	EEG-fMRI Gradient Artifact Correction by Multiple Motion-Related Templates. IEEE Transactions on Biomedical Engineering, 2016, 63, 2647-2653.	4.2	14
100	Spin echoes in the regime of weak dephasing. Magnetic Resonance in Medicine, 2016, 75, 150-160.	3.0	12
101	Nanoprobes for Multimodal Visualization of Bone Mineral Phase in Magnetic Resonance and Near-Infrared Optical Imaging. ACS Omega, 2016, 1, 182-192.	3.5	11
102	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
103	Molecular MRI in the Earthâ€™s Magnetic Field Using Continuous Hyperpolarization of a Biomolecule in Water. Journal of Physical Chemistry B, 2016, 120, 5670-5677.	2.6	37
104	Performance evaluation of matrix gradient coils. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 59-73.	2.0	15
105	Design of a 3T preamplifier which stability is insensitive to coil loading. Journal of Magnetic Resonance, 2016, 265, 215-223.	2.1	4
106	Ultra-fast magnetic resonance encephalography of physiological brain activity â€“ Glymphatic pulsation mechanisms?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1033-1045.	4.3	283
107	Relationship of 5-HTTLPR Polymorphism with Various Factors of Pain Processing: Subjective Experience, Motor Responsiveness and Catastrophizing. PLoS ONE, 2016, 11, e0153089.	2.5	10
108	The Lumbar Spine as a Dynamic Structure Depicted in Upright MRI. Medicine (United States), 2015, 94, e1299.	1.0	17

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109	Parallel imaging with phase scrambling. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1407-1419.	3.0	11
110	Inflection Points in Magnetic Resonance Imaging Technologyâ€”35 Years of Collaborative Research and Development. <i>Investigative Radiology</i> , 2015, 50, 645-656.	6.2	1
111	Image reconstruction in k-space from MR data encoded with ambiguous gradient fields. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 857-864.	3.0	6
112	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
113	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
114	Intrinsic diffusion sensitivity of the balanced steady-state free precession (bSSFP) imaging sequence. <i>NMR in Biomedicine</i> , 2015, 28, 1383-1392.	2.8	6
115	Multislice localized parallel excitation for <sc>EPI</sc> applications in humans. <i>Concepts in Magnetic Resonance Part B</i> , 2015, 45, 153-173.	0.7	0
116	Revealing signal from noisy ¹⁹F MR images by chemical shift artifact correction. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2225-2233.	3.0	11
117	A single dual-stream framework for syntactic computations in music and language. <i>NeuroImage</i> , 2015, 117, 267-283.	4.2	63
118	The ventral fiber pathway for pantomime of object use. <i>NeuroImage</i> , 2015, 106, 252-263.	4.2	70
119	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
120	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
121	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
122	An L1-norm phase constraint for half-Fourier compressed sensing in 3D MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 459-472.	2.0	16
123	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
124	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
125	Phased-array of microcoils allows <sc>MR</sc> 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
126	Variations in central serotonergic activity â€” Relevance of the 5-HTTLPR, life events and their interaction. <i>Behavioural Brain Research</i> , 2015, 277, 245-253.	2.2	2

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127	Modular Coils with Low Hydrogen Content Especially for MRI of Dry Solids. PLoS ONE, 2015, 10, e0139763.	2.5	9
128	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
129	Cortisol awakening and stress response, personality and psychiatric profiles in patients with takotsubo cardiomyopathy. Heart, 2014, 100, 1786-1792.	2.9	29
130	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
131	Reduced anterior internal capsule white matter integrity in primary insomnia. Human Brain Mapping, 2014, 35, 3431-3438.	3.6	72
132	Local shape adaptation for curved slice selection. Magnetic Resonance in Medicine, 2014, 72, 112-123.	3.0	10
133	MR image reconstruction from generalized projections. Magnetic Resonance in Medicine, 2014, 72, 546-557.	3.0	14
134	Attentionâ€network specific alterations of structural connectivity in the undamaged white matter in acute neglect. Human Brain Mapping, 2014, 35, 4678-4692.	3.6	40
135	Quantification and correction of respiration induced dynamic field map changes in fMRI using 3D single shot techniques. Magnetic Resonance in Medicine, 2014, 71, 1093-1102.	3.0	38
136	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
137	Direct cerebral and cardiac 17O-MRI at 3ÂTesla: initial results at natural abundance. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 95-99.	2.0	27
138	Design multiple-layer gradient coils using least-squares finite element method. Structural and Multidisciplinary Optimization, 2014, 49, 523-535.	3.5	13
139	Toward Biocompatible Nuclear Hyperpolarization Using Signal Amplification by Reversible Exchange: Quantitative <i>in Situ</i> Spectroscopy and High-Field Imaging. Analytical Chemistry, 2014, 86, 1767-1774.	6.5	105
140	Magnetic resonance spectroscopy comparing adults with high functioning autism and above average IQ. Molecular Psychiatry, 2014, 19, 1251-1251.	7.9	19
141	Continuous Reâ€hyperpolarization of Nuclear Spins Using Parahydrogen: Theory and Experiment. ChemPhysChem, 2014, 15, 2451-2457.	2.1	41
142	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
143	Working Memory in Schizophrenia: Behavioral and Neural Evidence for Reduced Susceptibility to Item-Specific Proactive Interference. Biological Psychiatry, 2014, 76, 486-494.	1.3	26
144	Fast fMRI provides high statistical power in the analysis of epileptic networks. NeuroImage, 2014, 88, 282-294.	4.2	48

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145	Interindividual synchronization of brain activity during live verbal communication. Behavioural Brain Research, 2014, 258, 75-79.	2.2	50
146	Fine-grained mapping of mouse brain functional connectivity with resting-state fMRI. NeuroImage, 2014, 96, 203-215.	4.2	69
147	Magnetic Resonance in Medicine at 30. Magnetic Resonance in Medicine, 2014, 71, 901-902.	3.0	0
148	Insomnia Disorder is Associated with Increased Amygdala Reactivity to Insomnia-Related Stimuli. Sleep, 2014, 37, 1907-1917.	1.1	125
149	Stages: Subâ€Fourier dynamic shim updating using nonlinear magnetic field phase preparation. Magnetic Resonance in Medicine, 2014, 71, 57-66.	3.0	9
150	Reproduction of motion artifacts for performance analysis of prospective motion correction in MRI. Magnetic Resonance in Medicine, 2014, 71, 182-190.	3.0	40
151	Local field of view imaging for aliasâ€free undersampling with nonlinear spatial encoding magnetic fields. Magnetic Resonance in Medicine, 2014, 71, 1002-1014.	3.0	5
152	The Relationship between Brain Morphology and Polysomnography in Healthy Good Sleepers. PLoS ONE, 2014, 9, e109336.	2.5	10
153	Excitation and geometrically matched local encoding of curved slices. Magnetic Resonance in Medicine, 2013, 69, 1317-1325.	3.0	18
154	Innerâ€volume imaging in vivo using threeâ€dimensional parallel spatially selective excitation. Magnetic Resonance in Medicine, 2013, 69, 1367-1378.	3.0	39
155	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
156	Reconstruction of undersampled radial PatLoc imaging using total generalized variation. Magnetic Resonance in Medicine, 2013, 70, 40-52.	3.0	23
157	A continuousâ€flow, highâ€throughput, highâ€pressure parahydrogen converter for hyperpolarization in a clinical setting. NMR in Biomedicine, 2013, 26, 124-131.	2.8	83
158	Single shot whole brain imaging using spherical stack of spirals trajectories. NeuroImage, 2013, 73, 59-70.	4.2	90
159	Tendon Graft Fixation Sites at the Coracoid Process for Reconstruction of the Coracoclavicular Ligaments: A Kinematic Evaluation of Three Different Surgical Techniques. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, 317-324.	2.7	4
160	A hyperpolarized equilibrium for magnetic resonance. Nature Communications, 2013, 4, 2946.	12.8	126
161	Ballistocardiographic artifact removal from simultaneous EEG-fMRI using an optical motion-tracking system. NeuroImage, 2013, 75, 1-11.	4.2	53
162	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

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163	Tracking dynamic resting-state networks at higher frequencies using MR-encephalography. <i>NeuroImage</i> , 2013, 65, 216-222.	4.2	150
164	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
165	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
166	Segmental myocardial velocities in dilated cardiomyopathy with and without left bundle branch block. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 119-126.	3.4	16
167	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
168	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
169	Impact of Alcohol-Related Video Sequences on Functional MRI in Abstinent Alcoholics. <i>European Addiction Research</i> , 2013, 20, 33-40.	2.4	10
170	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
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