

# Jürgen R Reichenbach

## List of Publications by Year in descending order

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Version: 2024-02-01

313  
papers

15,792  
citations

20815

60  
h-index

24254

110  
g-index

370  
all docs

370  
docs citations

370  
times ranked

15096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrashort echo time MRI of the lung in children and adolescents: comparison with non-enhanced computed tomography and standard post-contrast T1w MRI sequences. <i>European Radiology</i> , 2022, 32, 1833-1842.	4.5	16
2	Magnetic Resonance Imaging-based biomechanical simulation of cartilage: A systematic review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104963.	3.1	6
3	Quantitative susceptibility mapping reveals alterations of dentate nuclei in common types of degenerative cerebellar ataxias. <i>Brain Communications</i> , 2022, 4, fcb306.	3.3	15
4	Investigation of biases in convolutional neural networks for semantic segmentation using performance sensitivity analysis. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, 32, 346-360.	1.5	2
5	A novel multipurpose device for guided knee motion and loading during dynamic magnetic resonance imaging. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, 32, 500-513.	1.5	0
6	The differential association between local neurotransmitter levels and whole-brain resting-state functional connectivity in two distinct cingulate cortex subregions. <i>Human Brain Mapping</i> , 2022, 43, 2833-2844.	3.6	7
7	Pulmonary Arteriovenous Pressure Gradient and Time-Averaged Mean Velocity of Small Pulmonary Arteries Can Serve as Sensitive Biomarkers in the Diagnosis of Pulmonary Arterial Hypertension: A Preclinical Study by 4D-Flow MRI. <i>Diagnostics</i> , 2022, 12, 58.	2.6	0
8	Functional connectivity and neurotransmitter impairments of the salience brain network in chronic low back pain patients: a combined resting-state functional magnetic resonance imaging and 1H-MRS study. <i>Pain</i> , 2022, 163, 2337-2347.	4.2	8
9	In vitro measurements of radiation exposure with different modalities (computed tomography, cone) Tj ETQq1 1 0.784314 rgBT /Over phantom. <i>Pediatric Radiology</i> , 2022, 52, 1125.	2.0	0
10	Magnetic susceptibility anisotropy in normal appearing white matter in multiple sclerosis from single-orientation acquisition. <i>NeuroImage: Clinical</i> , 2022, 35, 103059.	2.7	1
11	Characterization of microparticles of iron oxide for magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2022, 92, 67-81.	1.8	0
12	High-resolution CINE imaging of active guided knee motion using continuously acquired golden-angle radial MRI and rotary sensor information. <i>Magnetic Resonance Imaging</i> , 2022, 92, 161-168.	1.8	1
13	Experience-dependent structural plasticity in the adult brain: How the learning brain grows. <i>NeuroImage</i> , 2021, 225, 117502.	4.2	26
14	Interrelations between dopamine and serotonin producing sites and regions of the default mode network. <i>Human Brain Mapping</i> , 2021, 42, 811-823.	3.6	12
15	Alterations of neurometabolism in the dorsolateral prefrontal cortex and thalamus in transition to psychosis patients change under treatment as usual - A two years follow-up 1H/31P-MR-spectroscopy study. <i>Schizophrenia Research</i> , 2021, 228, 7-18.	2.0	5
16	Association of Age, Antipsychotic Medication, and Symptom Severity in Schizophrenia With Proton Magnetic Resonance Spectroscopy Brain Glutamate Level. <i>JAMA Psychiatry</i> , 2021, 78, 667.	11.0	72
17	Application of Magnetic Resonance Imaging in Liver Biomechanics: A Systematic Review. <i>Frontiers in Physiology</i> , 2021, 12, 733393.	2.8	13
18	Optimized gradient spoiling of UTE VFA-AFI sequences for robust T1 estimation with B1-field correction. <i>Magnetic Resonance Imaging</i> , 2021, 82, 1-8.	1.8	4

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19	In vivo assessment of anisotropy of apparent magnetic susceptibility in white matter from a single orientation acquisition. <i>NeuroImage</i> , 2021, 241, 118442.	4.2	6
20	Hepatectomy-Induced Alterations in Hepatic Perfusion and Function - Toward Multi-Scale Computational Modeling for a Better Prediction of Post-hepatectomy Liver Function. <i>Frontiers in Physiology</i> , 2021, 12, 733868.	2.8	21
21	Segmentation and visualization of the human cranial bone by T2* approximation using ultra-short echo time (UTE) magnetic resonance imaging. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 51-59.	1.5	12
22	Superficial white matter imaging: Contrast mechanisms and whole-brain in vivo mapping. <i>Science Advances</i> , 2020, 6, .	10.3	65
23	Investigation of Deep-Learning-Driven Identification of Multiple Sclerosis Patients Based on Susceptibility-Weighted Images Using Relevance Analysis. <i>Frontiers in Neuroscience</i> , 2020, 14, 609468.	2.8	21
24	Immersion of Achilles tendon in phosphate-buffered saline influences T 1 and T 2 * relaxation times: An ex vivo study. <i>NMR in Biomedicine</i> , 2020, 33, e4288.	2.8	1
25	Energy Expenditure of Dynamic Submaximal Human Plantarflexion Movements: Model Prediction and Validation by in-vivo Magnetic Resonance Spectroscopy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 622.	4.1	1
26	Neurometabolic patterns of an -eat risk for mental disorders-syndrome involve abnormalities in the thalamus and anterior midcingulate cortex. <i>Schizophrenia Research</i> , 2020, , .	2.0	2
27	Susceptibility Weighted Imaging. , 2020, , 165-187.		0
28	T1 and T2* mapping of the human quadriceps and patellar tendons using ultra-short echo-time (UTE) imaging and bivariate relaxation parameter-based volumetric visualization. <i>Magnetic Resonance Imaging</i> , 2019, 63, 29-36.	1.8	12
29	MRI as an alternative to serum ferritin for diagnosis of iron overload in children in the context of immune response after stem cell transplantation. <i>Pediatric Transplantation</i> , 2019, 23, e13583.	1.0	3
30	Establishment and effects of allograft and synthetic bone graft substitute treatment of a critical size metaphyseal bone defect model in the sheep femur. <i>Apms</i> , 2019, 127, 53-63.	2.0	20
31	A new framework for assessing subject-specific whole brain circulation and perfusion using MRI-based measurements and a multi-scale continuous flow model. <i>PLoS Computational Biology</i> , 2019, 15, e1007073.	3.2	24
32	Assessment of MR imaging during one-lung flooding in a large animal model. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 581-590.	2.0	4
33	The relationship between heart rate and functional connectivity of brain regions involved in autonomic control. <i>NeuroImage</i> , 2019, 196, 318-328.	4.2	35
34	Evaluation of liver tissue by ultrasound elastography and clinical parameters in children with multiple blood cell transfusions. <i>Pediatric Radiology</i> , 2019, 49, 897-905.	2.0	1
35	Propentdyopents as Heme Degradation Intermediates Constrict Mouse Cerebral Arterioles and Are Present in the Cerebrospinal Fluid of Patients With Subarachnoid Hemorrhage. <i>Circulation Research</i> , 2019, 124, e101-e114.	4.5	24
36	The impact of deep learning. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 83-84.	1.5	3

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37	Characterization of Iron Accumulation in Deep Gray Matter in Myotonic Dystrophy Type 1 and 2 Using Quantitative Susceptibility Mapping and R2* Relaxometry: A Magnetic Resonance Imaging Study at 3 Tesla. <i>Frontiers in Neurology</i> , 2019, 10, 1320.	2.4	10
38	Analysis of intensity normalization for optimal segmentation performance of a fully convolutional neural network. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 128-138.	1.5	17
39	Microvessels may Confound the "Swallow Tail Sign" in Normal Aged Midbrains: A Postmortem 7 T SW-MRI Study. <i>Journal of Neuroimaging</i> , 2019, 29, 65-69.	2.0	14
40	Comparison of metabolic adaptations between endurance and sprint-trained athletes after an exhaustive exercise in two different calf muscles using a multi-slice <sup>31</sup> P-MR spectroscopic sequence. <i>NMR in Biomedicine</i> , 2018, 31, e3889.	2.8	6
41	Vascular and Tissue Changes of Magnetic Susceptibility in the Mouse Brain After Transient Cerebral Ischemia. <i>Translational Stroke Research</i> , 2018, 9, 426-435.	4.2	17
42	Changes of deep gray matter magnetic susceptibility over 2 years in multiple sclerosis and healthy control brain. <i>NeuroImage: Clinical</i> , 2018, 18, 1007-1016.	2.7	32
43	Quantitative susceptibility mapping (QSM) and R2* in the human brain at 3 T. <i>Zeitschrift Fur Medizinische Physik</i> , 2018, 28, 36-48.	1.5	58
44	Disturbed glutathione antioxidative defense is associated with structural brain changes in neuroleptic-naïve first-episode psychosis patients. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 136, 103-110.	2.2	18
45	Comparison of Unenhanced T1-Weighted Signal Intensities Within the Dentate Nucleus and the Globus Pallidus After Serial Applications of Gadopentetate Dimeglumine Versus Gadobutrol in a Pediatric Population. <i>Investigative Radiology</i> , 2018, 53, 119-127.	6.2	35
46	Prefrontal glutamatergic emotion regulation is disturbed in cluster B and C personality disorders "A combined 1H/31P-MR spectroscopic study. <i>Journal of Affective Disorders</i> , 2018, 227, 688-697.	4.1	9
47	The Use of Physiological Signals in Brainstem/Midbrain fMRI. <i>Frontiers in Neuroscience</i> , 2018, 12, 718.	2.8	8
48	Paramagnetic, NIR luminescent Nd 3+ and Gd 3+ doped fluorapatite as contrast agent for multimodal biomedical imaging. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4441-4446.	3.8	2
49	The influence of brain iron and myelin on magnetic susceptibility and effective transverse relaxation - A biochemical and histological validation study. <i>NeuroImage</i> , 2018, 179, 117-133.	4.2	129
50	Evidence for alterations of cortical folding in anorexia nervosa. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 41-49.	3.2	12
51	A comprehensive numerical analysis of background phase correction with V-SHARP. <i>NMR in Biomedicine</i> , 2017, 30, e3550.	2.8	65
52	Interpretation of pH heterogeneity in human muscle induced by neuromuscular electrical stimulation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 466-466.	3.0	0
53	Changes in fMRI activation in anterior hippocampus and motor cortex during memory retrieval after an intense exercise intervention. <i>Biological Psychology</i> , 2017, 124, 65-78.	2.2	36
54	Methods for the computation of templates from quantitative magnetic susceptibility maps (QSM): Toward improved atlas- and voxel-based analyses (VBA). <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1474-1484.	3.4	15

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55	An improved FSL-FIRST pipeline for subcortical gray matter segmentation to study abnormal brain anatomy using quantitative susceptibility mapping (QSM). <i>Magnetic Resonance Imaging</i> , 2017, 39, 110-122.	1.8	36
56	High levels of neuroticism are associated with decreased cortical folding of the dorsolateral prefrontal cortex. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 579-584.	3.2	9
57	Difference optimization: Automatic correction of relative frequency and phase for mean non-edited and edited GABA 1 H MEGA-PRESS spectra. <i>Journal of Magnetic Resonance</i> , 2017, 279, 16-21.	2.1	6
58	Combined spiroergometry and <sup>31</sup> P-MRS of human calf muscle during high-intensity exercise. <i>NMR in Biomedicine</i> , 2017, 30, e3723.	2.8	4
59	Increased white matter radial diffusivity is associated with prefrontal cortical folding deficits in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2017, 261, 91-95.	1.8	9
60	Assessment of intra- and inter-regional interrelations between GABA+, Glx and BOLD during pain perception in the human brain – A combined 1H fMRS and fMRI study. <i>Neuroscience</i> , 2017, 365, 125-136.	2.3	22
61	Hippocampal metabolism and prefrontal brain structure: A combined 1H-MR spectroscopy, neuropsychological, and voxel-based morphometry (VBM) study. <i>Brain Research</i> , 2017, 1677, 14-19.	2.2	11
62	Improvement of olfactory function after sinus surgery correlates with white matter properties measured by diffusion tensor imaging. <i>Neuroscience</i> , 2017, 360, 190-196.	2.3	13
63	Luminomagnetic Eu <sup>3+</sup> - and Dy <sup>3+</sup> -doped hydroxyapatite for multimodal imaging. <i>Materials Science and Engineering C</i> , 2017, 81, 422-431.	7.3	62
64	Diffusion tensor imaging of cingulum bundle and corpus callosum in schizophrenia vs. bipolar disorder. <i>Psychiatry Research - Neuroimaging</i> , 2017, 266, 96-100.	1.8	10
65	GlucocEST magnetic resonance imaging in vivo may be diagnostic of acute renal allograft rejection. <i>Kidney International</i> , 2017, 92, 757-764.	5.2	21
66	Towards multi-scale personalized modeling of brain vasculature based on magnetic resonance image processing. , 2017, , .		4
67	Cardiac 4D phase-contrast CMR at 9.4T using self-gated ultra-short echo time (UTE) imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 19, 39.	3.3	19
68	The pH heterogeneity in human calf muscle during neuromuscular electrical stimulation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2097-2106.	3.0	9
69	Overview of quantitative susceptibility mapping. <i>NMR in Biomedicine</i> , 2017, 30, e3569.	2.8	228
70	Computational Modeling in Liver Surgery. <i>Frontiers in Physiology</i> , 2017, 8, 906.	2.8	27
71	Quantitative Susceptibility Mapping Indicates a Disturbed Brain Iron Homeostasis in Neuromyelitis Optica – A Pilot Study. <i>PLoS ONE</i> , 2016, 11, e0155027.	2.5	7
72	Centerline-based surface modeling of blood-vessel trees in cerebral 3D MRA. , 2016, , .		9

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73	Resting state functional connectivity of the hippocampus along the anteriorâ€“posterior axis and its association with glutamatergic metabolism. <i>Cortex</i> , 2016, 81, 104-117.	2.4	40
74	Simulation of MR angiography imaging for validation of cerebral arteries segmentation algorithms. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 137, 293-309.	4.7	21
75	Pronounced prefronto-temporal cortical thinning in schizophrenia: Neuroanatomical correlate of suicidal behavior?. <i>Schizophrenia Research</i> , 2016, 176, 151-157.	2.0	53
76	The reproducibility of different metabolic markers for muscle fiber type distributions investigated by functional 31P-MRS during dynamic exercise. <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 323-338.	1.5	12
77	One-lung flooding reduces the ipsilateral diaphragm motion during mechanical ventilation. <i>European Journal of Medical Research</i> , 2016, 21, 9.	2.2	9
78	Foundations of MRI phase imaging and processing for Quantitative Susceptibility Mapping (QSM). <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 6-34.	1.5	106
79	Quantitative assessment of microvasculopathy in arcA <sup>2</sup> mice with USPIO-enhanced gradient echo MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1614-1624.	4.3	29
80	Structural and Functional Magnetic Resonance Imaging of the Cerebellum: Considerations for Assessing Cerebellar Ataxias. <i>Cerebellum</i> , 2016, 15, 21-25.	2.5	29
81	Susceptibility Sensitive Magnetic Resonance Imaging Displays Pallidofugal and Striatonigral Fiber Tracts. <i>Operative Neurosurgery</i> , 2016, 12, 330-338.	0.8	10
82	Time Efficient 3D Radial UTE Sampling with Fully Automatic Delay Compensation on a Clinical 3T MR Scanner. <i>PLoS ONE</i> , 2016, 11, e0150371.	2.5	35
83	Quantitative Susceptibility Mapping in Parkinson's Disease. <i>PLoS ONE</i> , 2016, 11, e0162460.	2.5	184
84	Diffusion-tensor imaging in stem cell transplantation associated microangiopathy. <i>Journal of Pediatric Neurology</i> , 2015, 05, 233-238.	0.2	0
85	SHARP edges: Recovering cortical phase contrast through harmonic extension. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 851-856.	3.0	26
86	Long-term prevalence of NIRF-labeled magnetic nanoparticles for the diagnostic and intraoperative imaging of inflammation. <i>Nanotoxicology</i> , 2015, 10, 1-12.	3.0	7
87	Self-gated cardiac Cine MRI of the rat on a clinical 3T MRI system. <i>NMR in Biomedicine</i> , 2015, 28, 162-167.	2.8	11
88	Brain structure in people at ultra-high risk of psychosis, patients with first-episode schizophrenia, and healthy controls: a VBM study. <i>Schizophrenia Research</i> , 2015, 161, 169-176.	2.0	58
89	Age-related structural and functional changes of low back muscles. <i>Experimental Gerontology</i> , 2015, 65, 23-34.	2.8	11
90	Hippocampal Structure, Metabolism, and Inflammatory Response after a 6-Week Intense Aerobic Exercise in Healthy Young Adults: A Controlled Trial. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1570-1578.	4.3	59

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91	A plasma protein corona enhances the biocompatibility of Au@Fe <sub>3</sub> O <sub>4</sub> Janus particles. <i>Biomaterials</i> , 2015, 68, 77-88.	11.4	72
92	Quantitative Susceptibility Mapping: Concepts and Applications. <i>Clinical Neuroradiology</i> , 2015, 25, 225-230.	1.9	110
93	<i>ZNF804A</i> genetic variation (rs1344706) affects brain grey but not white matter in schizophrenia and healthy subjects. <i>Psychological Medicine</i> , 2015, 45, 143-152.	4.5	20
94	Susceptibility-Weighted Imaging and Quantitative Susceptibility Mapping. , 2015, , 161-172.		2
95	Intrinsic correction of system delays for radial magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2015, 33, 491-496.	1.8	16
96	Brain structure in schizophrenia vs. psychotic bipolar I disorder: A VBM study. <i>Schizophrenia Research</i> , 2015, 165, 212-219.	2.0	58
97	Automated modeling of tubular blood vessels in 3D MR angiography images. , 2015, , .		11
98	Unidentified bright objects in neurofibromatosis type 1: Results of diffusion tensor imaging in children and adolescents. <i>Journal of Pediatric Neurology</i> , 2015, 04, 027-031.	0.2	1
99	Glutamatergic dysfunction linked to energy and membrane lipid metabolism in frontal and anterior cingulate cortices of never treated first-episode schizophrenia patients. <i>Schizophrenia Research</i> , 2015, 168, 322-329.	2.0	39
100	Associations of hippocampal metabolism and regional brain grey matter in neuroleptic-naïve ultra-high-risk subjects and first-episode schizophrenia. <i>European Neuropsychopharmacology</i> , 2015, 25, 1661-1668.	0.7	22
101	In vivo detection of acute pain-induced changes of GABA+ and Glx in the human brain by using functional 1H MEGA-PRESS MR spectroscopy. <i>NeuroImage</i> , 2015, 105, 67-75.	4.2	73
102	Susceptibility-Weighted Imaging Provides Insight into White Matter Damage in Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2015, 10, e0131114.	2.5	15
103	Dysfunctional NF- $\kappa$ B and brain myelin formation. <i>European Journal of Human Genetics</i> , 2014, 22, 724-725.	2.8	9
104	Retrospective reconstruction of cardiac cine images from golden-ratio radial MRI using one-dimensional navigators. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 413-422.	3.4	19
105	Interrelations of muscle functional MRI, diffusion-weighted MRI and <sup>31</sup> P-MRS in exercised lower back muscles. <i>NMR in Biomedicine</i> , 2014, 27, 958-970.	2.8	23
106	Fast low-angle shot diffusion tensor imaging with stimulated echo encoding in the muscle of rabbit shank. <i>NMR in Biomedicine</i> , 2014, 27, 146-157.	2.8	17
107	Association between white matter fiber structure and reward-related reactivity of the ventral striatum. <i>Human Brain Mapping</i> , 2014, 35, 1469-1476.	3.6	35
108	NF- $\kappa$ B controls axonal regeneration and degeneration through cell-specific balance of RelA and p50 in the adult CNS. <i>Journal of Cell Science</i> , 2014, 127, 4329-4329.	2.0	6

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109	NF-ÎB determines axonal re- and degeneration by cell-specific balance of RelA and p50 subunits in the adult CNS. <i>Journal of Cell Science</i> , 2014, 127, 3052-65.	2.0	39
110	Quantitative Magnetic Resonance Imaging Volumetry of Facial Muscles in Healthy Patients with Facial Palsy. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2014, 2, e173.	0.6	18
111	Common variation in <i>NCAN</i> , a risk factor for bipolar disorder and schizophrenia, influences local cortical folding in schizophrenia. <i>Psychological Medicine</i> , 2014, 44, 811-820.	4.5	54
112	An exVivo Human Lung Model for Ultrasound-Guided High-Intensity Focused Ultrasound Therapy Using Lung Flooding. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 496-503.	1.5	14
113	MR-compatible pedal ergometer for reproducible exercising of the human calf muscle. <i>Medical Engineering and Physics</i> , 2014, 36, 933-937.	1.7	13
114	MRI compatible small animal monitoring and trigger system for whole body scanners. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 55-64.	1.5	8
115	Superior temporal metabolic changes related to auditory hallucinations: a 31P-MR spectroscopy study in antipsychotic-free schizophrenia patients. <i>Brain Structure and Function</i> , 2014, 219, 1869-1872.	2.3	10
116	ZNF804A and Cortical Structure in Schizophrenia: In Vivo and Postmortem Studies. <i>Schizophrenia Bulletin</i> , 2014, 40, 532-541.	4.3	28
117	3D printing of MRI compatible components: Why every MRI research group should have a low-budget 3D printer. <i>Medical Engineering and Physics</i> , 2014, 36, 1373-1380.	1.7	73
118	High resolution T2*-weighted Magnetic Resonance Imaging at 3 Tesla using PROPELLER-EPI. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 164-173.	1.5	5
119	&lt;em&gt;In vivo&lt;/em&gt; Imaging of Optic Nerve Fiber Integrity by Contrast-Enhanced MRI in Mice. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	6
120	Brain iron quantification by MRI in mitochondrial membrane protein-associated neurodegeneration under iron-chelating therapy. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 1041-1046.	3.7	23
121	NF-kB controls axonal regeneration and degeneration through cell-specific balance of RelA and p50 in the adult CNS. <i>Development (Cambridge)</i> , 2014, 141, e1505-e1505.	2.5	2
122	Intrinsisch getriggerte MR-Herzbildgebung der Ratte an einem klinischen 3T MR-Scanner. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2014, 186, .	1.3	0
123	Toward online reconstruction of quantitative susceptibility maps: Superfast dipole inversion. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1581-1593.	3.0	139
124	Age-dependent visuomotor performance and white matter structure: a DTI study. <i>Brain Structure and Function</i> , 2013, 218, 1075-1084.	2.3	13
125	Frequency domains of resting state default mode network activity in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 80-82.	1.8	7
126	Determination of three-dimensional muscle architectures: validation of the <scp>DTI</scp>-based fiber tractography method by manual digitization. <i>Journal of Anatomy</i> , 2013, 223, 61-68.	1.5	57



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127	Toward in vivo histology: A comparison of quantitative susceptibility mapping (QSM) with magnitude-, phase-, and R2*-imaging at ultra-high magnetic field strength. <i>NeuroImage</i> , 2013, 65, 299-314.	4.2	382
128	The visual cortex in schizophrenia: alterations of gyrification rather than cortical thickness—a combined cortical shape analysis. <i>Brain Structure and Function</i> , 2013, 218, 51-58.	2.3	53
129	Effects of olanzapine on <sup>31</sup> P MRS metabolic markers in schizophrenia. <i>Human Psychopharmacology</i> , 2013, 28, 91-93.	1.5	9
130	Structural basis of the fronto-thalamic dysconnectivity in schizophrenia: A combined DCM-VBM study. <i>NeuroImage: Clinical</i> , 2013, 3, 95-105.	2.7	34
131	Quantitative Susceptibility Mapping Differentiates between Blood Depositions and Calcifications in Patients with Glioblastoma. <i>PLoS ONE</i> , 2013, 8, e57924.	2.5	137
132	Disrupted white matter connectivity is associated with reduced cortical thickness in the cingulate cortex in schizophrenia. <i>Cortex</i> , 2013, 49, 722-729.	2.4	29
133	Effect of Age on MRI Phase Behavior in the Subcortical Deep Gray Matter of Healthy Individuals. <i>American Journal of Neuroradiology</i> , 2013, 34, 2144-2151.	2.4	29
134	Self-referential processing influences functional activation during cognitive control: an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 828-837.	3.0	34
135	Longitudinal Assessment of Amyloid Pathology in Transgenic ArcA <sup>2</sup> Mice Using Multi-Parametric Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2013, 8, e66097.	2.5	38
136	Atlas-Guided Cluster Analysis of Large Tractography Datasets. <i>PLoS ONE</i> , 2013, 8, e83847.	2.5	28
137	Impact of tissue atrophy on high-pass filtered MRI signal phase-based assessment in large-scale group-comparison studies: a simulation study. <i>Frontiers in Physics</i> , 2013, 1, .	2.1	3
138	High-Resolution MR Imaging of the Human Brainstem In vivo at 7 Tesla. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 710.	2.0	88
139	Comparison of Susceptibility Weighted Imaging and TOF-Angiography for the Detection of Thrombi in Acute Stroke. <i>PLoS ONE</i> , 2013, 8, e63459.	2.5	48
140	Assessing Abnormal Iron Content in the Deep Gray Matter of Patients with Multiple Sclerosis versus Healthy Controls. <i>American Journal of Neuroradiology</i> , 2012, 33, 252-258.	2.4	45
141	Glutamate receptor delta 1 (GRID1) genetic variation and brain structure in schizophrenia. <i>Journal of Psychiatric Research</i> , 2012, 46, 1531-1539.	3.1	27
142	Absolute quantitation of brain metabolites with respect to heterogeneous tissue compositions in 1H-MR spectroscopic volumes. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 321-333.	2.0	64
143	Perceiving age and gender in unfamiliar faces: An fMRI study on face categorization. <i>Brain and Cognition</i> , 2012, 78, 163-168.	1.8	32
144	Imaging of lamination patterns of the adult human olfactory bulb and tract: In vitro comparison of standard- and high-resolution 3T MRI, and MR microscopy at 9.4T. <i>NeuroImage</i> , 2012, 60, 1662-1670.	4.2	17

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145	Poster #54 DISRUPTED WHITE MATTER CONNECTIVITY IS ASSOCIATED WITH REDUCED CORTICAL THICKNESS IN THE CINGULATE CORTEX IN SCHIZOPHRENIA. Schizophrenia Research, 2012, 136, S110.	2.0	2
146	Reduced Anterior Cingulate Cognitive Activation Is Associated with Prefrontalâ€“Temporal Cortical Thinning in Schizophrenia. Biological Psychiatry, 2012, 71, 146-153.	1.3	26
147	Magnetic resonance imaging of the mouse visual pathway for in vivo studies of degeneration and regeneration in the CNS. NeuroImage, 2012, 59, 363-376.	4.2	26
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309	Transient photoconductivity in ladder-type polymers. Synthetic Metals, 1991, 42, 1635.	3.9	0
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313	Appendix: Seminal Articles Related to the Development of Susceptibility Weighted Imaging. , 0, , 697-716.		0