

Jürgen R Reichenbach

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3659804/publications.pdf>

Version: 2024-02-01

313
papers

15,792
citations

23879

60
h-index

28425

109
g-index

370
all docs

370
docs citations

370
times ranked

16803
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.	2.3	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.	1.5	6
3	Quantitative susceptibility mapping reveals alterations of dentate nuclei in common types of degenerative cerebellar ataxias. <i>Brain Communications</i> , 2022, 4, fcb306.	1.5	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.	0.6	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.	0.6	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.	1.9	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.	1.3	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.	2.0	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.	1.1	0
10	Magnetic susceptibility anisotropy in normal appearing white matter in multiple sclerosis from single-orientation acquisition. <i>NeuroImage: Clinical</i> , 2022, 35, 103059.	1.4	1
11	Characterization of microparticles of iron oxide for magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2022, 92, 67-81.	1.0	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.	1.0	1
13	Experience-dependent structural plasticity in the adult brain: How the learning brain grows. <i>NeuroImage</i> , 2021, 225, 117502.	2.1	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.	1.9	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.	1.1	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.	6.0	72
17	Application of Magnetic Resonance Imaging in Liver Biomechanics: A Systematic Review. <i>Frontiers in Physiology</i> , 2021, 12, 733393.	1.3	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.	1.0	4

#	ARTICLE	IF	CITATIONS
19	In vivo assessment of anisotropy of apparent magnetic susceptibility in white matter from a single orientation acquisition. <i>NeuroImage</i> , 2021, 241, 118442.	2.1	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.	1.3	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.	0.6	12
22	Superficial white matter imaging: Contrast mechanisms and whole-brain in vivo mapping. <i>Science Advances</i> , 2020, 6, .	4.7	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.	1.4	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.	1.6	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.	2.0	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, , .	1.1	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.	1.0	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.	0.5	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.	0.9	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.	1.5	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.	1.1	4
33	The relationship between heart rate and functional connectivity of brain regions involved in autonomic control. <i>NeuroImage</i> , 2019, 196, 318-328.	2.1	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.	1.1	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.	2.0	24
36	The impact of deep learning. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 83-84.	0.6	3

#	ARTICLE	IF	CITATIONS
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.	1.1	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.	0.6	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.	1.0	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 ³¹ P-MR spectroscopic sequence. <i>NMR in Biomedicine</i> , 2018, 31, e3889.	1.6	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.	2.3	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.	1.4	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.	0.6	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.	1.0	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.	3.5	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.	2.0	9
47	The Use of Physiological Signals in Brainstem/Midbrain fMRI. <i>Frontiers in Neuroscience</i> , 2018, 12, 718.	1.4	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.	1.9	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.	2.1	129
50	Evidence for alterations of cortical folding in anorexia nervosa. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 41-49.	1.8	12
51	A comprehensive numerical analysis of background phase correction with V-SHARP. <i>NMR in Biomedicine</i> , 2017, 30, e3550.	1.6	65
52	Interpretation of pH heterogeneity in human muscle induced by neuromuscular electrical stimulation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 466-466.	1.9	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.	1.1	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.	1.9	15

#	ARTICLE	IF	CITATIONS
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.	1.0	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.	1.8	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.	1.2	6
58	Combined spiroergometry and ³¹ P-MRS of human calf muscle during high-intensity exercise. <i>NMR in Biomedicine</i> , 2017, 30, e3723.	1.6	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.	0.9	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.	1.1	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.	1.1	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.	1.1	13
63	Luminomagnetic Eu ³⁺ - and Dy ³⁺ -doped hydroxyapatite for multimodal imaging. <i>Materials Science and Engineering C</i> , 2017, 81, 422-431.	3.8	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.	0.9	10
65	GlucocEST magnetic resonance imaging in vivo may be diagnostic of acute renal allograft rejection. <i>Kidney International</i> , 2017, 92, 757-764.	2.6	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.	1.6	19
68	The pH heterogeneity in human calf muscle during neuromuscular electrical stimulation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2097-2106.	1.9	9
69	Overview of quantitative susceptibility mapping. <i>NMR in Biomedicine</i> , 2017, 30, e3569.	1.6	228
70	Computational Modeling in Liver Surgery. <i>Frontiers in Physiology</i> , 2017, 8, 906.	1.3	27
71	Quantitative Susceptibility Mapping Indicates a Disturbed Brain Iron Homeostasis in Neuromyelitis Optica – A Pilot Study. <i>PLoS ONE</i> , 2016, 11, e0155027.	1.1	7
72	Centerline-based surface modeling of blood-vessel trees in cerebral 3D MRA. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
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.	1.1	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.	2.6	21
75	Pronounced prefronto-temporal cortical thinning in schizophrenia: Neuroanatomical correlate of suicidal behavior?. <i>Schizophrenia Research</i> , 2016, 176, 151-157.	1.1	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.	0.6	12
77	One-lung flooding reduces the ipsilateral diaphragm motion during mechanical ventilation. <i>European Journal of Medical Research</i> , 2016, 21, 9.	0.9	9
78	Foundations of MRI phase imaging and processing for Quantitative Susceptibility Mapping (QSM). <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 6-34.	0.6	106
79	Quantitative assessment of microvasculopathy in arcA ² mice with USPIO-enhanced gradient echo MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1614-1624.	2.4	29
80	Structural and Functional Magnetic Resonance Imaging of the Cerebellum: Considerations for Assessing Cerebellar Ataxias. <i>Cerebellum</i> , 2016, 15, 21-25.	1.4	29
81	Susceptibility Sensitive Magnetic Resonance Imaging Displays Pallidofugal and Striatonigral Fiber Tracts. <i>Operative Neurosurgery</i> , 2016, 12, 330-338.	0.4	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.	1.1	35
83	Quantitative Susceptibility Mapping in Parkinson's Disease. <i>PLoS ONE</i> , 2016, 11, e0162460.	1.1	184
84	Diffusion-tensor imaging in stem cell transplantation associated microangiopathy. <i>Journal of Pediatric Neurology</i> , 2015, 05, 233-238.	0.0	0
85	SHARP edges: Recovering cortical phase contrast through harmonic extension. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 851-856.	1.9	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.	1.6	7
87	Self-gated cardiac Cine MRI of the rat on a clinical 3â€“T MRI system. <i>NMR in Biomedicine</i> , 2015, 28, 162-167.	1.6	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.	1.1	58
89	Age-related structural and functional changes of low back muscles. <i>Experimental Gerontology</i> , 2015, 65, 23-34.	1.2	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.	2.4	59

#	ARTICLE	IF	CITATIONS
91	A plasma protein corona enhances the biocompatibility of Au@Fe ₃ O ₄ Janus particles. <i>Biomaterials</i> , 2015, 68, 77-88.	5.7	72
92	Quantitative Susceptibility Mapping: Concepts and Applications. <i>Clinical Neuroradiology</i> , 2015, 25, 225-230.	1.0	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.	2.7	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.	1.0	16
96	Brain structure in schizophrenia vs. psychotic bipolar I disorder: A VBM study. <i>Schizophrenia Research</i> , 2015, 165, 212-219.	1.1	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.	0.0	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.	1.1	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.	0.3	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.	2.1	73
102	Susceptibility-Weighted Imaging Provides Insight into White Matter Damage in Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2015, 10, e0131114.	1.1	15
103	Dysfunctional NF- κ B and brain myelin formation. <i>European Journal of Human Genetics</i> , 2014, 22, 724-725.	1.4	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.	1.9	19
105	Interrelations of muscle functional MRI, diffusion-weighted MRI and ³¹ P-MRS in exercised lower back muscles. <i>NMR in Biomedicine</i> , 2014, 27, 958-970.	1.6	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.	1.6	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.	1.9	35
108	NF- κ 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.	1.2	6

#	ARTICLE	IF	CITATIONS
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.	1.2	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.	0.3	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.	2.7	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.	0.7	14
113	MR-compatible pedal ergometer for reproducible exercising of the human calf muscle. <i>Medical Engineering and Physics</i> , 2014, 36, 933-937.	0.8	13
114	MRI compatible small animal monitoring and trigger system for whole body scanners. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 55-64.	0.6	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.	1.2	10
116	ZNF804A and Cortical Structure in Schizophrenia: In Vivo and Postmortem Studies. <i>Schizophrenia Bulletin</i> , 2014, 40, 532-541.	2.3	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.	0.8	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.	0.6	5
119	In vivo Imaging of Optic Nerve Fiber Integrity by Contrast-Enhanced MRI in Mice. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	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.	1.7	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.	1.2	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, .	0.7	0
123	Toward online reconstruction of quantitative susceptibility maps: Superfast dipole inversion. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1581-1593.	1.9	139
124	Age-dependent visuomotor performance and white matter structure: a DTI study. <i>Brain Structure and Function</i> , 2013, 218, 1075-1084.	1.2	13
125	Frequency domains of resting state default mode network activity in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 80-82.	0.9	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.	0.9	57

#	ARTICLE	IF	CITATIONS
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.	2.1	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.	1.2	53
129	Effects of olanzapine on ³¹ P MRS metabolic markers in schizophrenia. <i>Human Psychopharmacology</i> , 2013, 28, 91-93.	0.7	9
130	Structural basis of the fronto-thalamic dysconnectivity in schizophrenia: A combined DCM-VBM study. <i>NeuroImage: Clinical</i> , 2013, 3, 95-105.	1.4	34
131	Quantitative Susceptibility Mapping Differentiates between Blood Depositions and Calcifications in Patients with Glioblastoma. <i>PLoS ONE</i> , 2013, 8, e57924.	1.1	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.	1.1	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.	1.2	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.	1.5	34
135	Longitudinal Assessment of Amyloid Pathology in Transgenic ArcA ² Mice Using Multi-Parametric Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2013, 8, e66097.	1.1	38
136	Atlas-Guided Cluster Analysis of Large Tractography Datasets. <i>PLoS ONE</i> , 2013, 8, e83847.	1.1	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, .	1.0	3
138	High-Resolution MR Imaging of the Human Brainstem In vivo at 7 Tesla. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 710.	1.0	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.	1.1	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.	1.2	45
141	Glutamate receptor delta 1 (GRID1) genetic variation and brain structure in schizophrenia. <i>Journal of Psychiatric Research</i> , 2012, 46, 1531-1539.	1.5	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.	1.1	64
143	Perceiving age and gender in unfamiliar faces: An fMRI study on face categorization. <i>Brain and Cognition</i> , 2012, 78, 163-168.	0.8	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.	2.1	17

#	ARTICLE	IF	CITATIONS
145	Poster #54 DISRUPTED WHITE MATTER CONNECTIVITY IS ASSOCIATED WITH REDUCED CORTICAL THICKNESS IN THE CINGULATE CORTEX IN SCHIZOPHRENIA. Schizophrenia Research, 2012, 136, S110.	1.1	2
146	Reduced Anterior Cingulate Cognitive Activation Is Associated with Prefrontalâ€“Temporal Cortical Thinning in Schizophrenia. Biological Psychiatry, 2012, 71, 146-153.	0.7	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.	2.1	26
148	The future of susceptibility contrast for assessment of anatomy and function. NeuroImage, 2012, 62, 1311-1315.	2.1	59
149	Quantitative susceptibility mapping (QSM) as a means to measure brain iron? A post mortem validation study. NeuroImage, 2012, 62, 1593-1599.	2.1	615
150	Quantitative susceptibility mapping for investigating subtle susceptibility variations in the human brain. NeuroImage, 2012, 62, 2083-2100.	2.1	219
151	Deformation-based brain morphometry in rats. NeuroImage, 2012, 63, 47-53.	2.1	34
152	31P-MR spectroscopy in monozygotic twins discordant for schizophrenia or schizoaffective disorder. Schizophrenia Research, 2012, 134, 296-297.	1.1	5
153	Default mode network activity in schizophrenia studied at resting state using probabilistic ICA. Schizophrenia Research, 2012, 138, 143-149.	1.1	111
154	Antipsychotic drug effects on left prefrontal phospholipid metabolism: A follow-up 31P-2D-CSI study of haloperidol and risperidone in acutely ill chronic schizophrenia patients. Schizophrenia Research, 2012, 138, 164-170.	1.1	18
155	Multimodal imaging and therapy â€“ Technology of the future. Zeitschrift Fur Medizinische Physik, 2012, 22, 253-254.	0.6	2
156	Functional magnetic resonance imaging using PROPELLERâ€“EPI. Magnetic Resonance in Medicine, 2012, 68, 140-151.	1.9	16
157	Compatibility of temporary pacemaker myocardial pacing leads with magnetic resonance imaging: an ex vivo tissue study. International Journal of Cardiovascular Imaging, 2012, 28, 317-326.	0.7	9
158	Possibilities and limitations for high resolution small animal MRI on a clinical whole-body 3T scanner. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 233-244.	1.1	47
159	White matter structure and symptom dimensions in obsessiveâ€“compulsive disorder. Journal of Psychiatric Research, 2012, 46, 264-270.	1.5	41
160	Effect of contrast agent on the results of <i>in vivo</i> ¹ H MRS of breast tumors â€“ is it clinically significant?. NMR in Biomedicine, 2012, 25, 67-74.	1.6	19
161	Detection of Cerebral Microbleeds with Quantitative Susceptibility Mapping in the Arcabeta Mouse Model of Cerebral Amyloidosis. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2282-2292.	2.4	74
162	¹ H-MR spectroscopic detection of metabolic changes in pain processing brain regions in the presence of non-specific chronic low back pain. NeuroImage, 2011, 54, 1315-1323.	2.1	64

#	ARTICLE	IF	CITATIONS
163	Quantitative imaging of intrinsic magnetic tissue properties using MRI signal phase: An approach to in vivo brain iron metabolism?. <i>NeuroImage</i> , 2011, 54, 2789-2807.	2.1	620
164	Accuracy and reproducibility of a novel semi-automatic segmentation technique for MR volumetry of the pituitary gland. <i>Neuroradiology</i> , 2011, 53, 233-244.	1.1	13
165	Assessing the Neural Basis of Uncertainty in Perceptual Category Learning through Varying Levels of Distortion. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1781-1793.	1.1	29
166	Neural activation and radial diffusivity in schizophrenia: combined fMRI and diffusion tensor imaging study. <i>British Journal of Psychiatry</i> , 2011, 198, 223-229.	1.7	32
167	Reduced Cortical Thickness is Associated with the Glutamatergic Regulatory Gene Risk Variant DAOA Arg30Lys in Schizophrenia. <i>Neuropsychopharmacology</i> , 2011, 36, 1747-1753.	2.8	40
168	Diffusion weighted inner volume imaging of lumbar disks based on turbo-STEAM acquisition. <i>Zeitschrift Fur Medizinische Physik</i> , 2011, 21, 216-227.	0.6	9
169	ADC changes in schizophrenia: a diffusion-weighted imaging study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 213-216.	1.8	6
170	Noninvasive measurement of liver iron concentration at MRI in children with acute leukemia: initial results. <i>Pediatric Radiology</i> , 2011, 41, 980-984.	1.1	21
171	Resolving arterial phase and temporal enhancement characteristics in DCE MRM at high spatial resolution with TWIST acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 973-982.	1.9	44
172	Influence of tissue conductivity changes on the EEG signal in the human brain – A simulation study. <i>Zeitschrift Fur Medizinische Physik</i> , 2011, 21, 102-112.	0.6	11
173	Image Registration in Medical Imaging: Applications, Methods, and Clinical Evaluation. , 2011, , 263-313.		3
174	Psychopathological correlates of the entorhinal cortical shape in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 351-358.	1.8	20
175	Disrupted white matter integrity of corticopontine-cerebellar circuitry in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 419-426.	1.8	44
176	Complex pattern of cortical thinning in schizophrenia: Results from an automated surface based analysis of cortical thickness. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 134-140.	0.9	47
177	Fronto–cingulate effective connectivity in obsessive compulsive disorder: A study with fMRI and dynamic causal modeling. <i>Human Brain Mapping</i> , 2010, 31, 1834-1850.	1.9	92
178	Validation of quantitative estimation of tissue oxygen extraction fraction and deoxygenated blood volume fraction in phantom and in vivo experiments by using MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 910-921.	1.9	39
179	Differential effects of serotonergic and noradrenergic antidepressants on brain activity during a cognitive control task and neurofunctional prediction of treatment outcome in patients with depression. <i>Journal of Psychiatry and Neuroscience</i> , 2010, 35, 247-257.	1.4	76
180	Attenuation of Cerebral Venous Contrast in Susceptibility-Weighted Imaging of Spontaneously Breathing Pediatric Patients Sedated with Propofol. <i>American Journal of Neuroradiology</i> , 2010, 31, 901-906.	1.2	20

#	ARTICLE	IF	CITATIONS
181	Differentiation between diamagnetic and paramagnetic cerebral lesions based on magnetic susceptibility mapping. <i>Medical Physics</i> , 2010, 37, 5165-5178.	1.6	207
182	Reduced cortical thickness in first episode schizophrenia. <i>Schizophrenia Research</i> , 2010, 116, 204-209.	1.1	160
183	CONCEPT FOR COMBINED 1H AND 31P MR SPECTROSCOPIC INVESTIGATIONS IN PATIENTS WITH SCHIZOPHRENIA. <i>Schizophrenia Research</i> , 2010, 117, 243.	1.1	0
184	Increased parahippocampal and lingual gyrification in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2010, 123, 137-144.	1.1	73
185	Influence of anisotropic electrical conductivity in white matter tissue on the EEG/MEG forward and inverse solution. A high-resolution whole head simulation study. <i>NeuroImage</i> , 2010, 51, 145-163.	2.1	183
186	Whole-brain mapping of venous vessel size in humans using the hypercapnia-induced BOLD effect. <i>NeuroImage</i> , 2010, 51, 765-774.	2.1	39
187	Structure-function relationships in the context of reinforcement-related learning: a combined diffusion tensor imaging&functional magnetic resonance imaging study. <i>Neuroscience</i> , 2010, 168, 190-199.	1.1	21
188	Time-resolved functional 1H MR spectroscopic detection of glutamate concentration changes in the brain during acute heat pain stimulation. <i>NeuroImage</i> , 2010, 49, 1895-1902.	2.1	81
189	Altered activation in association with reward-related trial-and-error learning in patients with schizophrenia. <i>NeuroImage</i> , 2010, 50, 223-232.	2.1	91
190	Intensive practice of a cognitive task is associated with enhanced functional integration in schizophrenia. <i>Psychological Medicine</i> , 2009, 39, 1809-1819.	2.7	11
191	Arteries tracking in simultaneous TOF-SWI MR images: image characteristics and preliminary results. , 2009, , .		1
192	Correction of venous contamination in time-of-flight MR angiography by using magnetic susceptibility maps. , 2009, , .		0
193	Altered error-related activity in patients with schizophrenia. <i>Neuropsychologia</i> , 2009, 47, 2843-2849.	0.7	6
194	ToF&SWI: Simultaneous time of flight and fully flow compensated susceptibility weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1478-1484.	1.9	67
195	Diffusion tensor imaging: the normal evolution of ADC, RA, FA, and eigenvalues studied in multiple anatomical regions of the brain. <i>Neuroradiology</i> , 2009, 51, 253-263.	1.1	105
196	Quantification of modulated blood oxygenation levels in single cerebral veins by investigating their MR signal decay. <i>Zeitschrift Fur Medizinische Physik</i> , 2009, 19, 48-57.	0.6	17
197	Phase unwrapping of MR images using UN & A fast and robust region growing algorithm. <i>Medical Image Analysis</i> , 2009, 13, 257-268.	7.0	82
198	Diffusion-weighted imaging (DWI) in MR mammography (MRM): clinical comparison of echo planar imaging (EPI) and half-Fourier single-shot turbo spin echo (HASTE) diffusion techniques. <i>European Radiology</i> , 2009, 19, 1612-1620.	2.3	103

#	ARTICLE	IF	CITATIONS
199	Modelling and analysis of time-variant directed interrelations between brain regions based on BOLD-signals. <i>NeuroImage</i> , 2009, 45, 722-737.	2.1	35
200	Signal Informatics as an Advanced Integrative Concept in the Framework of Medical Informatics. <i>Methods of Information in Medicine</i> , 2009, 48, 18-28.	0.7	13
201	High Order Statistics for Tissue Segmentation. , 2009, , 245-257.		1
202	Improved elimination of phase effects from background field inhomogeneities for susceptibility weighted imaging at high magnetic field strengths. <i>Magnetic Resonance Imaging</i> , 2008, 26, 1145-1151.	1.0	37
203	Susceptibility weighted imaging at ultra high magnetic field strengths: Theoretical considerations and experimental results. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1155-1168.	1.9	148
204	Inefficient executive cognitive control in schizophrenia is preceded by altered functional activation during information encoding: An fMRI study. <i>Neuropsychologia</i> , 2008, 46, 336-347.	0.7	82
205	Fronto-striatal hypoactivation during correct information retrieval in patients with schizophrenia: An fMRI study. <i>Neuroscience</i> , 2008, 153, 54-62.	1.1	54
206	Investigations on the effect of caffeine on cerebral venous vessel contrast by using susceptibility-weighted imaging (SWI) at 1.5, 3 and 7ÄT. <i>NeuroImage</i> , 2008, 40, 11-18.	2.1	42
207	Investigation of the influence of carbon dioxide concentrations on cerebral physiology by susceptibility-weighted magnetic resonance imaging (SWI). <i>NeuroImage</i> , 2008, 43, 36-43.	2.1	56
208	Fronto-cingulate effective connectivity in major depression: A study with fMRI and dynamic causal modeling. <i>NeuroImage</i> , 2008, 43, 645-655.	2.1	145
209	The neural correlates of reward-related trial-and-error learning: An fMRI study with a probabilistic learning task. <i>Learning and Memory</i> , 2008, 15, 728-732.	0.5	34
210	A robust optical respiratory trigger for small rodents in clinical whole-body MR systems / Ein robuster optischer Atemtrigger fÄ¼r KleinsÄ¼ger in klinischen GanzkÄ¼rper-MR-Scannern. <i>Biomedizinische Technik</i> , 2008, 53, 138-144.	0.9	4
211	GUIBOLD: A Graphical User Interface for Image Reconstruction and Data Analysis in Susceptibility-weighted MR Imaging. <i>Radiographics</i> , 2008, 28, 639-651.	1.4	10
212	Enhanced rostral anterior cingulate cortex activation during cognitive control is related to orbitofrontal volume reduction in unipolar depression. <i>Journal of Psychiatry and Neuroscience</i> , 2008, 33, 199-208.	1.4	77
213	MR imaging of Her-2/neu protein using magnetic nanoparticles. <i>Nanotechnology</i> , 2007, 18, 135103.	1.3	19
214	Influence of anisotropic conductivity on the EEG forward and inverse solution. , 2007, , .		1
215	Detection of multiple intracranial hemorrhages in a child with acute lymphocytic leukemia (ALL) by susceptibility weighted imaging (SWI). <i>Radiology Case Reports</i> , 2007, 2, 135.	0.2	2
216	Fluorescent Bacterial Magnetic Nanoparticles as Bimodal Contrast Agents. <i>Investigative Radiology</i> , 2007, 42, 235-241.	3.5	67

#	ARTICLE	IF	CITATIONS
217	Temporal modeling demonstrates preserved overlearning processes in schizophrenia: An fMRI study. Neuroscience, 2007, 146, 1474-1483.	1.1	36
218	White matter abnormalities and brain activation in schizophrenia: A combined DTI and fMRI study. Schizophrenia Research, 2007, 89, 1-11.	1.1	147
219	Obtaining blood oxygenation levels from MR signal behavior in the presence of single venous vessels. Magnetic Resonance in Medicine, 2007, 58, 1035-1044.	1.9	64
220	Labeling of macrophages using bacterial magnetosomes and their characterization by magnetic resonance imaging. Journal of Magnetism and Magnetic Materials, 2007, 311, 454-459.	1.0	23
221	Fractional anisotropy correlates with auditory simple reaction time performance. Brain Research, 2007, 1186, 194-202.	1.1	16
222	Application and assessment of a robust elastic motion correction algorithm to dynamic MRI. European Radiology, 2007, 17, 259-264.	2.3	17
223	Model-based registration of X-ray mammograms and MR images of the female breast. IEEE Transactions on Nuclear Science, 2006, 53, 204-211.	1.2	84
224	Three-Dimensional Nonlinear Invisible Boundary Detection. IEEE Transactions on Image Processing, 2006, 15, 3020-3032.	6.0	20
225	Contrast-Enhanced, High-Resolution, Susceptibility-Weighted Magnetic Resonance Imaging of the Brain. Investigative Radiology, 2006, 41, 249-255.	3.5	42
226	31P-MR spectroscopic imaging in hypertensive heart disease. European Radiology, 2006, 16, 1796-1802.	2.3	12
227	Temporal changes in neural activation during practice of information retrieval from short-term memory: An fMRI study. Brain Research, 2006, 1107, 140-150.	1.1	64
228	Influence of anisotropic conductivity on EEG source reconstruction: investigations in a rabbit model. IEEE Transactions on Biomedical Engineering, 2006, 53, 1841-1850.	2.5	50
229	Application of Generalized Dynamic Neural Networks to Biomedical Data. IEEE Transactions on Biomedical Engineering, 2006, 53, 2289-2299.	2.5	7
230	The special involvement of the rostrolateral prefrontal cortex in planning abilities: An event-related fMRI study with the Tower of London paradigm. Neuropsychologia, 2006, 44, 2337-2347.	0.7	105
231	Susceptibility-weighted imaging to visualize blood products and improve tumor contrast in the study of brain masses. Journal of Magnetic Resonance Imaging, 2006, 24, 41-51.	1.9	184
232	Investigations of back muscle fatigue by simultaneous 31P MRS and surface EMG measurements. Biomedizinische Technik, 2006, 51, 305-313.	0.9	9
233	Susceptibility Weighted Imaging: Data Acquisition, Image Reconstruction and Clinical Applications. Zeitschrift Fur Medizinische Physik, 2006, 16, 240-250.	0.6	44
234	Demonstration of paramagnetic and diamagnetic cerebral lesions by using susceptibility weighted phase imaging (SWI). Zeitschrift Fur Medizinische Physik, 2006, 16, 261-267.	0.6	55

#	ARTICLE	IF	CITATIONS
235	Magnetic Resonance-Guided Large-Core Breast Biopsy Inside a 1.5-T Magnetic Resonance Scanner Using an Automatic System. <i>Investigative Radiology</i> , 2005, 40, 458-463.	3.5	30
236	Pediatric brain MRI in neurofibromatosis type I. <i>European Radiology</i> , 2005, 15, 814-822.	2.3	51
237	Application of an exogenous hyperoxic contrast agent in MR mammography: initial results. <i>European Radiology</i> , 2005, 15, 829-832.	2.3	7
238	Noninvasive measurements of cardiac high-energy phosphate metabolites in dilated cardiomyopathy by using ³¹ P spectroscopic chemical shift imaging. <i>European Radiology</i> , 2005, 15, 319-323.	2.3	28
239	Analysis of b-value calculations in diffusion weighted and diffusion tensor imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2005, 25A, 53-66.	0.2	35
240	Subtraction of in-phase and opposed-phase images in dynamic MR mammography. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 565-575.	1.9	4
241	Clinical applications of neuroimaging with susceptibility-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 439-450.	1.9	404
242	Noninvasive assessment of vascular architecture and function during modulated blood oxygenation using susceptibility weighted magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 87-95.	1.9	130
243	Early diagnosis of cerebral involvement in Sturge-Weber syndrome using high-resolution BOLD MR venography. <i>Pediatric Radiology</i> , 2005, 35, 85-90.	1.1	55
244	Diffusion tensor imaging in children and adolescents with tuberous sclerosis. <i>Pediatric Radiology</i> , 2005, 35, 980-983.	1.1	49
245	Estimation of postmortem metabolic changes in porcine brain tissue using ¹ H-MR spectroscopy?preliminary results. <i>International Journal of Legal Medicine</i> , 2005, 119, 77-79.	1.2	30
246	High Resolution Susceptibility Weighted MR-Imaging of Brain Tumors during the Application of a Gaseous Agent. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2005, 177, 1065-1069.	0.7	34
247	Differential temporal dynamics of cognitive learning processes in patients with schizophrenia: An event-related fMRI study. <i>Pharmacopsychiatry</i> , 2005, 38, .	1.7	0
248	Magnetic susceptibility-weighted MR phase imaging of the human brain. <i>American Journal of Neuroradiology</i> , 2005, 26, 736-42.	1.2	181
249	Effect of Routine MR Imaging of the Brain at 1.5 T on Subsequent Magnetoencephalography: Results in Nine Volunteers. <i>Radiology</i> , 2004, 230, 715-719.	3.6	1
250	Simultaneous surface electromyography (SEMG) and ¹ H-MR spectroscopy measurements of the lumbar back muscle during isometric exercise. <i>Journal of Neuroscience Methods</i> , 2004, 133, 143-152.	1.3	10
251	Susceptibility weighted imaging (SWI). <i>Magnetic Resonance in Medicine</i> , 2004, 52, 612-618.	1.9	1,480
252	Event-related fMRI with painful electrical stimulation of the trigeminal nerve. <i>Magnetic Resonance Imaging</i> , 2004, 22, 205-209.	1.0	22

#	ARTICLE	IF	CITATIONS
253	31P-MR spectroscopy in children and adolescents with a familial risk of schizophrenia. <i>European Radiology</i> , 2003, 13, 763-770.	2.3	21
254	Echoplanar diffusion-weighted MRI with intravenous gadolinium-DTPA. <i>Neuroradiology</i> , 2003, 45, 592-597.	1.1	34
255	A manipulator system for 14-gauge large core breast biopsies inside a high-field whole-body MR scanner. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 493-498.	1.9	37
256	Automated unwrapping of MR phase images applied to BOLD MR-venography at 3 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 175-180.	1.9	98
257	Broca's area and the language instinct. <i>Nature Neuroscience</i> , 2003, 6, 774-781.	7.1	373
258	Brain activation to phobia-related pictures in spider phobic humans: an event-related functional magnetic resonance imaging study. <i>Neuroscience Letters</i> , 2003, 348, 29-32.	1.0	177
259	High-Resolution Three-Dimensional Contrast-Enhanced Blood Oxygenation Level-Dependent Magnetic Resonance Venography of Brain Tumors at 3 Tesla: First Clinical Experience and Comparison with 1.5 Tesla. <i>Investigative Radiology</i> , 2003, 38, 409-414.	3.5	56
260	Dedicated Double Breast Coil for Magnetic Resonance Mammography Imaging, Biopsy, and Preoperative Localization. <i>Investigative Radiology</i> , 2003, 38, 1-8.	3.5	18
261	Title is missing!. <i>Investigative Radiology</i> , 2003, 38, 409-414.	3.5	18
262	Finite Element Simulation of the Breast's Deformation during Mammography to Generate a Deformation Model for Registration. <i>Informatik Aktuell</i> , 2003, , 86-90.	0.4	5
263	AUTOMATIC IMAGE MATCHING FOR BREAST CANCER DIAGNOSTICS BY A 3D DEFORMATION MODEL OF THE MAMMA. <i>Biomedizinische Technik</i> , 2002, 47, 644-647.	0.9	19
264	Radio-frequency Ablation of VX2 Rabbit Tumors: Assessment of Completeness of Treatment by Using Contrast-enhanced Harmonic Power Doppler US. <i>Radiology</i> , 2002, 225, 815-821.	3.6	16
265	Radio-frequency Tumor Ablation: Internally Cooled Electrode versus Saline-enhanced Technique in an Aggressive Rabbit Tumor Model. <i>Radiology</i> , 2002, 222, 805-813.	3.6	55
266	DTI MEASUREMENTS OF ISOTROPIC AND ANISOTROPIC MEDIA. <i>Biomedizinische Technik</i> , 2002, 47, 420-422.	0.9	6
267	Negative Dip in BOLD fMRI Is Caused by Blood Flow's Oxygen Consumption Uncoupling In Humans. <i>NeuroImage</i> , 2002, 15, 98-102.	2.1	94
268	MRI of the pelvic ring joints postpartum: Normal and pathological findings. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 324-329.	1.9	65
269	Development and validation of an algorithm for registration of serial 3D MR breast data sets. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2002, 14, 249-257.	1.1	12
270	Computerized Modeling Based on Spiral CT Data for Noninvasive Determination of Aortic Stent-Graft Length. <i>Journal of Endovascular Therapy</i> , 2002, 9, 520-528.	0.8	6

#	ARTICLE	IF	CITATIONS
271	OBSERVING TUMOR VASCULARITY NONINVASIVELY USING MAGNETIC RESONANCE IMAGING. Image Analysis and Stereology, 2002, 21, 107.	0.4	16
272	Vacuum-assisted Resection of Malignant Tumors with and without Subsequent Radiofrequency Ablation: Feasibility of Complete Tumor Treatment Tested in an Animal Model. Journal of Vascular and Interventional Radiology, 2001, 12, 1086-1093.	0.2	12
273	Contrast-Enhanced Near-Infrared Laser Mammography with a Prototype Breast Scanner. Investigative Radiology, 2001, 36, 573-581.	3.5	11
274	Percutaneous Radiofrequency (RF) Thermal Ablation of Rabbit Tumors Embedded in Fat. Investigative Radiology, 2001, 36, 480-486.	3.5	35
275	High-resolution BOLD venographic imaging: a window into brain function. NMR in Biomedicine, 2001, 14, 453-467.	1.6	232
276	Quantitative differentiation between BOLD models in fMRI. Magnetic Resonance in Medicine, 2001, 45, 233-246.	1.9	88
277	Apparent Diffusion Coefficient Decreases and Magnetic Resonance Imaging Perfusion Parameters are Associated in Ischemic Tissue of Acute Stroke Patients. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 577-584.	2.4	68
278	High-Resolution MR Venography at 3.0 Tesla. Journal of Computer Assisted Tomography, 2000, 24, 949-957.	0.5	190
279	Comparison of artifacts produced from carbon fiber and titanium alloy needles at 1.5 T MR imaging. Journal of Magnetic Resonance Imaging, 2000, 11, 69-74.	1.9	27
280	Hemodynamic Assessment of Acute Stroke Using Dynamic Single-Slice Computed Tomographic Perfusion Imaging. Archives of Neurology, 2000, 57, 1161.	4.9	83
281	³¹ P magnetic resonance spectroscopy in fibromyalgic muscle. Rheumatology, 2000, 39, 1121-1125.	0.9	37
282	Saline-Enhanced Radiofrequency Ablation of Breast Tissue. Investigative Radiology, 2000, 35, 149-157.	3.5	37
283	High-resolution, multiple gradient-echo functional MRI at 1.5 T. Magnetic Resonance Imaging, 1999, 17, 321-329.	1.0	54
284	High-resolution MR venography of cerebral arteriovenous malformations. Magnetic Resonance Imaging, 1999, 17, 1417-1425.	1.0	91
285	Sub-millimeter fMRI at 1.5 tesla: Correlation of high resolution with low resolution measurements. Journal of Magnetic Resonance Imaging, 1999, 9, 475-482.	1.9	47
286	Assessment of Breast Tissue Changes on Hormonal Replacement Therapy Using MRI: A Pilot Study. Journal of Computer Assisted Tomography, 1999, 23, 407-413.	0.5	27
287	In vivo measurement of changes in venous blood-oxygenation with high resolution functional MRI at 0.95 Tesla by measuring changes in susceptibility and velocity. Magnetic Resonance in Medicine, 1998, 39, 97-107.	1.9	76
288	High-resolution venography of the brain using magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 62-69.	1.1	106

#	ARTICLE	IF	CITATIONS
289	High-resolution venography of the brain using magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 62-69.	1.1	5
290	Functional Magnetic Resonance Imaging of the Basal Ganglia and Cerebellum Using a Simple Motor Paradigm. Magnetic Resonance Imaging, 1998, 16, 281-287.	1.0	29
291	Comparison of functional MR-venography and EPI-BOLD fMRI at 1.5 t. Magnetic Resonance Imaging, 1998, 16, 989-991.	1.0	20
292	Diagnostic Evaluation of Sonographically Visualized Breast Lesions By Using a New Clinical Amplitude/Velocity Reference Imaging Technique (CARI Sonography). Investigative Radiology, 1998, 33, 341-347.	3.5	7
293	An efficient and robust PC program to calculate MR based regional cerebral blood volume maps. Computerized Medical Imaging and Graphics, 1997, 21, 51-62.	3.5	2
294	Theory and application of static field inhomogeneity effects in gradient-echo imaging. Journal of Magnetic Resonance Imaging, 1997, 7, 266-279.	1.9	254
295	In vivo measurement of blood oxygen saturation using magnetic resonance imaging: A direct validation of the blood oxygen level-dependent concept in functional brain imaging. , 1997, 5, 341-346.		198
296	Comparison of Cerebral Blood Volume Measurements Using the T1 and T2* Methods in Normal Human Brains and Brain Tumors. Journal of Computer Assisted Tomography, 1997, 21, 857-866.	0.5	45
297	Commutator filter: A novel technique for the identification of structures producing significant susceptibility inhomogeneities and its application to functional MRI. Magnetic Resonance in Medicine, 1996, 36, 781-787.	1.9	18
298	Cerebral Blood Volume Maps with Dynamic Contrast-Enhanced T1-Weighted FLASH Imaging: Normal Values and Preliminary Clinical Results. Journal of Computer Assisted Tomography, 1996, 20, 532-539.	0.5	45
299	High-resolution ¹³ C nuclear magnetic resonance in alkali intercalated fullerene C ₆₀ . Journal of Chemical Physics, 1994, 101, 4585-4592.	1.2	23
300	High resolution ¹³ C NMR of K ₆ C ₆₀ . Solid State Communications, 1993, 87, 547-550.	0.9	32
301	Analysis of ⁸⁷ Rb and ¹³ C Hyperfine Interaction in Rb ₃ C ₆₀ . Europhysics Letters, 1993, 24, 59-64.	0.7	44
302	Transient picosecond photoconductivity in polyacetylene. Physical Review B, 1993, 48, 14104-14112.	1.1	18
303	Picosecond Photoconductivity in (CH) _x Measured by Cross-Correlation. Europhysics Letters, 1992, 18, 251-256.	0.7	9
304	Conductivity and photoconductivity of conducting polymers. Physica Scripta, 1992, T45, 230-235.	1.2	53
305	p-type doping of C ₆₀ films. Synthetic Metals, 1992, 51, 103-108.	2.1	9
306	Photoconductivity of C ₆₀ /C ₇₀ films. Synthetic Metals, 1992, 51, 251-256.	2.1	11

#	ARTICLE	IF	CITATIONS
307	Picosecond photoconductivity in (CH) _x . Synthetic Metals, 1992, 51, 245-250.	2.1	3
308	Steady state photoconductive response of C60/C70 films. Solid State Communications, 1992, 81, 261-264.	0.9	54
309	Transient photoconductivity in ladder-type polymers. Synthetic Metals, 1991, 42, 1635.	2.1	0
310	Phototransport in Ladder Type Polymers. Molecular Crystals and Liquid Crystals, 1991, 194, 317-323.	0.7	3
311	Modern Applications of MRI in Medical Sciences. , 0, , 343-476.		2
312	A virtual "Werkstatt" for digitization in the sciences. Research Ideas and Outcomes, 0, 6, .	1.0	2
313	Appendix: Seminal Articles Related to the Development of Susceptibility Weighted Imaging. , 0, , 697-716.		0