

# Nikolaus Weiskopf

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201  
papers

15,212  
citations

68  
h-index

121  
g-index

216  
ext. papers

18,498  
ext. citations

6.7  
avg, IF

6.58  
L-index

#	Paper	IF	Citations
201	Towards a representative reference for MRI-based human axon radius assessment using light microscopy.. <i>NeuroImage</i> , <b>2022</b> , 118906	7.9	
200	Multi-parameter quantitative mapping of R1, R2*, PD, and MTsat is reproducible when accelerated with Compressed SENSE.. <i>NeuroImage</i> , <b>2022</b> , 119092	7.9	
199	Mapping the Human Connectome using Diffusion MRI at 300 mT/m Gradient Strength: Methodological Advances and Scientific Impact.. <i>NeuroImage</i> , <b>2022</b> , 118958	7.9	1
198	A unified 3D map of microscopic architecture and MRI of the human brain.. <i>Science Advances</i> , <b>2022</b> , 8, eabj7892	14.3	0
197	Finding the best clearing approach - Towards 3D wide-scale multimodal imaging of aged human brain tissue.. <i>NeuroImage</i> , <b>2021</b> , 247, 118832	7.9	2
196	A brief history of real-time fMRI neurofeedback <b>2021</b> , 1-19		0
195	Microstructural plasticity in nociceptive pathways after spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2021</b> ,	5.5	2
194	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. <i>NeuroImage</i> , <b>2021</b> , 232, 117910	7.9	10
193	Quantitative magnetic resonance imaging of brain anatomy and in vivo histology. <i>Nature Reviews Physics</i> , <b>2021</b> , 3, 570-588	23.6	22
192	The relationship between hippocampal-dependent task performance and hippocampal grey matter myelination and iron content. <i>Brain and Neuroscience Advances</i> , <b>2021</b> , 5, 23982128211011923	4	2
191	The variability of MR axon radii estimates in the human white matter. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 2201-2213	5.9	11
190	Relating quantitative 7T MRI across cortical depths to cytoarchitectonics, gene expression and connectomics. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 4996-5009	5.9	5
189	Predictors of real-time fMRI neurofeedback performance and improvement - A machine learning mega-analysis. <i>NeuroImage</i> , <b>2021</b> , 237, 118207	7.9	2
188	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , <b>2021</b> , 8, 219	8.2	6
187	Reducing Susceptibility Distortion Related Image Blurring in Diffusion MRI EPI Data. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 706473	5.1	1
186	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , <b>2021</b> , 16, 4611-4638	11.8	11
185	Longitudinal changes of spinal cord grey and white matter following spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2021</b> , 92, 1222-1230	5.5	4

184	Perceived and mentally rotated contents are differentially represented in cortical depth of V1. <i>Communications Biology</i> , <b>2021</b> , 4, 1069	6.7	1
183	Simulating Local Deformations in the Human Cortex Due to Blood Flow-Induced Changes in Mechanical Tissue Properties: Impact on Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 722366	5.1	0
182	Measuring the iron content of dopaminergic neurons in substantia nigra with MRI relaxometry. <i>NeuroImage</i> , <b>2021</b> , 239, 118255	7.9	5
181	7 Tesla MRI Followed by Histological 3D Reconstructions in Whole-Brain Specimens. <i>Frontiers in Neuroanatomy</i> , <b>2020</b> , 14, 536838	3.6	7
180	Modeling radio-frequency energy-induced heating due to the presence of transcranial electric stimulation setup at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2020</b> , 33, 793-807	2.8	2
179	fMRI protocol optimization for simultaneously studying small subcortical and cortical areas at 7T. <i>NeuroImage</i> , <b>2020</b> , 219, 116992	7.9	12
178	A comprehensive approach for correcting voxel-wise b-value errors in diffusion MRI. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 2173-2184	4.4	10
177	Modeling Electromagnetic Exposure in Humans Inside a Whole-Body Birdcage Coil Excited by a Two-Channel Parallel Transmitter Operated at 123 MHz. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2020</b> , 4, 247-253	2.8	1
176	Superficial white matter imaging: Contrast mechanisms and whole-brain in vivo mapping. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	23
175	Activity or connectivity? A randomized controlled feasibility study evaluating neurofeedback training in Huntington's disease. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa049	4.5	4
174	Multiparameter mapping of relaxation (R1, R2*), proton density and magnetization transfer saturation at 3 T: A multicenter dual-vendor reproducibility and repeatability study. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 4232-4247	5.9	15
173	Can we predict real-time fMRI neurofeedback learning success from pretraining brain activity?. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 3839-3854	5.9	13
172	Extrapyramidal plasticity predicts recovery after spinal cord injury. <i>Scientific Reports</i> , <b>2020</b> , 10, 14102	4.9	3
171	Mapping Short Association Fibers in the Early Cortical Visual Processing Stream Using In Vivo Diffusion Tractography. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 4496-4514	5.1	21
170	Apparent thinning of human visual cortex during childhood is associated with myelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 20750-20759	11.5	110
169	Safety of Tattoos in Persons Undergoing MRI. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 495-496	59.2	5
168	hMRI - A toolbox for quantitative MRI in neuroscience and clinical research. <i>NeuroImage</i> , <b>2019</b> , 194, 191-210	7.1	73
167	Spatial gradients of healthy aging: a study of myelin-sensitive maps. <i>Neurobiology of Aging</i> , <b>2019</b> , 79, 83-92	5.6	2

166	In vivo evidence of remote neural degeneration in the lumbar enlargement after cervical injury. <i>Neurology</i> , <b>2019</b> , 92, e1367-e1377	6.5	14
165	MRI in traumatic spinal cord injury: from clinical assessment to neuroimaging biomarkers. <i>Lancet Neurology</i> , <b>2019</b> , 18, 1123-1135	24.1	56
164	Acquisition of sensorimotor fMRI under general anaesthesia: Assessment of feasibility, the BOLD response and clinical utility. <i>NeuroImage: Clinical</i> , <b>2019</b> , 23, 101923	5.3	5
163	Example dataset for the hMRI toolbox. <i>Data in Brief</i> , <b>2019</b> , 25, 104132	1.2	12
162	Biophysically motivated efficient estimation of the spatially isotropic component from a single gradient-recalled echo measurement. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 1804-1811	4.4	5
161	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. <i>Brain</i> , <b>2019</b> , 142, 2558-2571	11.2	109
160	Traumatic and nontraumatic spinal cord injury: pathological insights from neuroimaging. <i>Nature Reviews Neurology</i> , <b>2019</b> , 15, 718-731	15	57
159	Brain iron content in systemic iron overload: A beta-thalassemia quantitative MRI study. <i>NeuroImage: Clinical</i> , <b>2019</b> , 24, 102058	5.3	6
158	PyRates-A Python framework for rate-based neural simulations. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225900	3.7	3
157	Maximising BOLD sensitivity through automated EPI protocol optimisation. <i>NeuroImage</i> , <b>2019</b> , 189, 159-170	7.0	7
156	Flexible proton density (PD) mapping using multi-contrast variable flip angle (VFA) data. <i>NeuroImage</i> , <b>2019</b> , 186, 464-475	7.9	8
155	Volitional modulation of higher-order visual cortex alters human perception. <i>NeuroImage</i> , <b>2019</b> , 188, 291-301	7.9	1
154	In-vivo magnetic resonance imaging (MRI) of laminae in the human cortex. <i>NeuroImage</i> , <b>2019</b> , 197, 707-715	7.5	49
153	Optimizing Data for Modeling Neuronal Responses. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 986	5.1	6
152	Locus coeruleus integrity in old age is selectively related to memories linked with salient negative events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2228-2233	11.5	59
151	Progressive neurodegeneration following spinal cord injury: Implications for clinical trials. <i>Neurology</i> , <b>2018</b> , 90, e1257-e1266	6.5	61
150	Dorsal and ventral horn atrophy is associated with clinical outcome after spinal cord injury. <i>Neurology</i> , <b>2018</b> , 90, e1510-e1522	6.5	21
149	Developing 3D microscopy with CLARITY on human brain tissue: Towards a tool for informing and validating MRI-based histology. <i>NeuroImage</i> , <b>2018</b> , 182, 417-428	7.9	51

148	Real-time decoding of covert attention in higher-order visual areas. <i>NeuroImage</i> , <b>2018</b> , 169, 462-472	7.9	8
147	Stimulating neural plasticity with real-time fMRI neurofeedback in Huntington's disease: A proof of concept study. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 1339-1353	5.9	24
146	Microstructural imaging of human neocortex in vivo. <i>NeuroImage</i> , <b>2018</b> , 182, 184-206	7.9	55
145	When the Brain Takes 'BOLD' Steps: Real-Time fMRI Neurofeedback Can Further Enhance the Ability to Gradually Self-regulate Regional Brain Activation. <i>Neuroscience</i> , <b>2018</b> , 378, 71-88	3.9	33
144	Combining Deep Learning and Active Contours Opens The Way to Robust, Automated Analysis of Brain Cytoarchitectonics. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 179-187	0.9	1
143	Quantitative MRI provides markers of intra-, inter-regional, and age-related differences in young adult cortical microstructure. <i>NeuroImage</i> , <b>2018</b> , 182, 429-440	7.9	45
142	Author response: Progressive neurodegeneration following spinal cord injury: Implications for clinical trials. <i>Neurology</i> , <b>2018</b> , 91, 985	6.5	5
141	Melody Processing Characterizes Functional Neuroanatomy in the Aging Brain. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 815	5.1	7
140	A group-level comparison of volumetric and combined volumetric-surface normalization for whole brain analyses of myelin and iron maps. <i>Magnetic Resonance Imaging</i> , <b>2018</b> , 54, 225-240	3.3	4
139	Quantitative MRI of rostral spinal cord and brain regions is predictive of functional recovery in acute spinal cord injury. <i>NeuroImage: Clinical</i> , <b>2018</b> , 20, 556-563	5.3	25
138	Physiological basis of vascular autocalibration (VasA): Comparison to hypercapnia calibration methods. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 1168-1173	4.4	4
137	Closed-loop brain training: the science of neurofeedback. <i>Nature Reviews Neuroscience</i> , <b>2017</b> , 18, 86-100	13.5	485
136	Flexible head-casts for high spatial precision MEG. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 276, 38-45	3	48
135	Tx/Rx Head Coil Induces Less RF Transmit-Related Heating than Body Coil in Conductive Metallic Objects Outside the Active Area of the Head Coil. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 15	5.1	2
134	Functional Sensitivity of 2D Simultaneous Multi-Slice Echo-Planar Imaging: Effects of Acceleration on g-factor and Physiological Noise. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 158	5.1	27
133	NODDI-DTI: Estimating Neurite Orientation and Dispersion Parameters from a Diffusion Tensor in Healthy White Matter. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 720	5.1	33
132	Local striatal reward signals can be predicted from corticostriatal connectivity. <i>NeuroImage</i> , <b>2017</b> , 159, 9-17	7.9	10
131	Specific white matter tissue microstructure changes associated with obesity. <i>NeuroImage</i> , <b>2016</b> , 125, 36-44	7.9	79

130	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9105-10	11.5	255
129	Voxel-based analysis of grey and white matter degeneration in cervical spondylotic myelopathy. <i>Scientific Reports</i> , <b>2016</b> , 6, 24636	4.9	31
128	Synthetic quantitative MRI through relaxometry modelling. <i>NMR in Biomedicine</i> , <b>2016</b> , 29, 1729-1738	4.4	18
127	Embodied neurology: an integrative framework for neurological disorders. <i>Brain</i> , <b>2016</b> , 139, 1855-61	11.2	32
126	The quest for the best: The impact of different EPI sequences on the sensitivity of random effect fMRI group analyses. <i>NeuroImage</i> , <b>2016</b> , 126, 49-59	7.9	29
125	Vascular autoregulation of fMRI (VasA fMRI) improves sensitivity of population studies: A pilot study. <i>NeuroImage</i> , <b>2016</b> , 124, 794-805	7.9	23
124	Iron Level and Myelin Content in the Ventral Striatum Predict Memory Performance in the Aging Brain. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 3552-8	6.6	39
123	Evaluation of 2D multiband EPI imaging for high-resolution, whole-brain, task-based fMRI studies at 3T: Sensitivity and slice leakage artifacts. <i>NeuroImage</i> , <b>2016</b> , 124, 32-42	7.9	104
122	Identifying Intracortical Partial Voluming Effects Using Cortical Surface Normals in Quantitative MRI T1 Maps Sensitive to Microstructure. <i>Informatik Aktuell</i> , <b>2016</b> , 14-19	0.3	
121	Correction of inter-scan motion artifacts in quantitative R1 mapping by accounting for receive coil sensitivity effects. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 1478-1485	4.4	15
120	Microstructural parameter estimation in vivo using diffusion MRI and structured prior information. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1787-96	4.4	8
119	Prospective motion correction of 3D echo-planar imaging data for functional MRI using optical tracking. <i>NeuroImage</i> , <b>2015</b> , 113, 1-12	7.9	53
118	Manipulating motor performance and memory through real-time fMRI neurofeedback. <i>Biological Psychology</i> , <b>2015</b> , 108, 85-97	3.2	76
117	A novel coil array for combined TMS/fMRI experiments at 3 T. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 1492-501	4.4	29
116	Structure predicts function: combining non-invasive electrophysiology with in-vivo histology. <i>NeuroImage</i> , <b>2015</b> , 108, 377-85	7.9	19
115	A general linear relaxometry model of R1 using imaging data. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1309-14	4.4	66
114	Tracking sensory system atrophy and outcome prediction in spinal cord injury. <i>Annals of Neurology</i> , <b>2015</b> , 78, 751-61	9.4	57
113	Advances in MRI-based computational neuroanatomy: from morphometry to in-vivo histology. <i>Current Opinion in Neurology</i> , <b>2015</b> , 28, 313-22	7.1	112

112	An evaluation of prospective motion correction (PMC) for high resolution quantitative MRI. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 97	5.1	58
111	Objective Bayesian fMRI analysis-a pilot study in different clinical environments. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 168	5.1	4
110	Whole-Brain In-vivo Measurements of the Axonal G-Ratio in a Group of 37 Healthy Volunteers. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 441	5.1	67
109	Cognitive enhancement through real-time fMRI neurofeedback. <i>Current Opinion in Behavioral Sciences</i> , <b>2015</b> , 4, 122-127	4	24
108	POAS4SPM: a toolbox for SPM to denoise diffusion MRI data. <i>Neuroinformatics</i> , <b>2015</b> , 13, 19-29	3.2	9
107	Midbrain fMRI: Applications, Limitations and Challenges. <i>Biological Magnetic Resonance</i> , <b>2015</b> , 581-609	0.5	8
106	Using high-resolution quantitative mapping of R1 as an index of cortical myelination. <i>NeuroImage</i> , <b>2014</b> , 93 Pt 2, 176-88	7.9	220
105	Orthogonalizing crusher and diffusion-encoding gradients to suppress undesired echo pathways in the twice-refocused spin echo diffusion sequence. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 506-15	4.4	3
104	High-resolution diffusion kurtosis imaging at 3T enabled by advanced post-processing. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 427	5.1	16
103	Connectivity changes underlying neurofeedback training of visual cortex activity. <i>PLoS ONE</i> , <b>2014</b> , 9, e91090	3.7	21
102	Estimating the apparent transverse relaxation time (R2(*)) from images with different contrasts (ESTATICS) reduces motion artifacts. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 278	5.1	39
101	Direct evidence for attention-dependent influences of the frontal eye-fields on feature-responsive visual cortex. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 2815-21	5.1	28
100	A new method for joint susceptibility artefact correction and super-resolution for dMRI <b>2014</b> ,		1
99	The habenula encodes negative motivational value associated with primary punishment in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11858-63	11.5	93
98	Brain tissue properties differentiate between motor and limbic basal ganglia circuits. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 5083-92	5.9	63
97	Widespread age-related differences in the human brain microstructure revealed by quantitative magnetic resonance imaging. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 1862-72	5.6	182
96	Phase informed model for motion and susceptibility. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 3086-100	5.9	14
95	High-resolution functional MRI at 3 T: 3D/2D echo-planar imaging with optimized physiological noise correction. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 69, 1657-64	4.4	61



94	Motor phenotype and magnetic resonance measures of basal ganglia iron levels in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2013</b> , 19, 1136-42	3.6	34
93	MRI investigation of the sensorimotor cortex and the corticospinal tract after acute spinal cord injury: a prospective longitudinal study. <i>Lancet Neurology</i> , <b>2013</b> , 12, 873-881	24.1	178
92	The impact of post-processing on spinal cord diffusion tensor imaging. <i>NeuroImage</i> , <b>2013</b> , 70, 377-85	7.9	47
91	Real-time fMRI neurofeedback: progress and challenges. <i>NeuroImage</i> , <b>2013</b> , 76, 386-99	7.9	305
90	Connectivity-based neurofeedback: dynamic causal modeling for real-time fMRI. <i>NeuroImage</i> , <b>2013</b> , 81, 422-430	7.9	111
89	Retrospective correction of physiological noise in DTI using an extended tensor model and peripheral measurements. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 70, 358-69	4.4	26
88	Mapping the human cortical surface by combining quantitative T(1) with retinotopy. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 2261-8	5.1	189
87	Using high angular resolution diffusion imaging data to discriminate cortical regions. <i>PLoS ONE</i> , <b>2013</b> , 8, e63842	3.7	28
86	Quantitative multi-parameter mapping of R1, PD(*), MT, and R2(*) at 3T: a multi-center validation. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 95	5.1	301
85	Hyperelastic Susceptibility Artifact Correction of DTI in SPM. <i>Informatik Aktuell</i> , <b>2013</b> , 344-349	0.3	15
84	Echtzeit-fMRT <b>2013</b> , 103-117		
83	Decoding representations of scenes in the medial temporal lobes. <i>Hippocampus</i> , <b>2012</b> , 22, 1143-53	3.5	58
82	Improving visual perception through neurofeedback. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 17830-41	6.6	92
81	Real-time fMRI and its application to neurofeedback. <i>NeuroImage</i> , <b>2012</b> , 62, 682-92	7.9	224
80	The effect of local perturbation fields on human DTI: characterisation, measurement and correction. <i>NeuroImage</i> , <b>2012</b> , 60, 562-70	7.9	29
79	Dissociable roles of human inferior frontal gyrus during action execution and observation. <i>NeuroImage</i> , <b>2012</b> , 60, 1671-7	7.9	75
78	Degeneration of the injured cervical cord is associated with remote changes in corticospinal tract integrity and upper limb impairment. <i>PLoS ONE</i> , <b>2012</b> , 7, e51729	3.7	48
77	Multi-voxel pattern analysis in human hippocampal subfields. <i>Frontiers in Human Neuroscience</i> , <b>2012</b> , 6, 290	3.3	69



76	Correction of vibration artifacts in DTI using phase-encoding reversal (COVIPER). <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 882-9	4.4	38
75	Axonal integrity predicts cortical reorganisation following cervical injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2012</b> , 83, 629-37	5.5	53
74	In vivo functional and myeloarchitectonic mapping of human primary auditory areas. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 16095-105	6.6	164
73	Detecting representations of recent and remote autobiographical memories in vmPFC and hippocampus. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 16982-91	6.6	154
72	Robust and fast whole brain mapping of the RF transmit field B1 at 7T. <i>PLoS ONE</i> , <b>2012</b> , 7, e32379	3.7	84
71	Modelling temporal stability of EPI time series using magnitude images acquired with multi-channel receiver coils. <i>PLoS ONE</i> , <b>2012</b> , 7, e52075	3.7	9
70	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). <i>NeuroImage</i> , <b>2011</b> , 55, 1423-34	7.9	204
69	The impact of physiological noise correction on fMRI at 7 T. <i>NeuroImage</i> , <b>2011</b> , 57, 101-112	7.9	159
68	Flow of affective information between communicating brains. <i>NeuroImage</i> , <b>2011</b> , 54, 439-46	7.9	203
67	Unified segmentation based correction of R1 brain maps for RF transmit field inhomogeneities (UNICORT). <i>NeuroImage</i> , <b>2011</b> , 54, 2116-24	7.9	121
66	Identification of signal bias in the variable flip angle method by linear display of the algebraic Ernst equation. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 66, 669-77	4.4	24
65	Real-time functional magnetic imaging-brain-computer interface and virtual reality promising tools for the treatment of pedophilia. <i>Progress in Brain Research</i> , <b>2011</b> , 192, 263-72	2.9	22
64	Disability, atrophy and cortical reorganization following spinal cord injury. <i>Brain</i> , <b>2011</b> , 134, 1610-22	11.2	196
63	A stable sparse fear memory trace in human amygdala. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 9383-9	6.6	56
62	Deep and superficial amygdala nuclei projections revealed in vivo by probabilistic tractography. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 618-23	6.6	115
61	Causal evidence for frontal involvement in memory target maintenance by posterior brain areas during distracter interference of visual working memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 17510-5	11.5	115
60	The role of contralesional dorsal premotor cortex after stroke as studied with concurrent TMS-fMRI. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 11926-37	6.6	148
59	Improved shimming for fMRI specifically optimizing the local BOLD sensitivity. <i>NeuroImage</i> , <b>2010</b> , 49, 327-36	7.9	16

58	Decoding individual episodic memory traces in the human hippocampus. <i>Current Biology</i> , <b>2010</b> , 20, 544-76.3		168
57	Method for simultaneous voxel-based morphometry of the brain and cervical spinal cord area measurements using 3D-MDEFT. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 32, 1242-7	5.6	28
56	Optimization and validation of methods for mapping of the radiofrequency transmit field at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 64, 229-38	4.4	109
55	Quantitative magnetization transfer in in vivo healthy human skeletal muscle at 3 T. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 64, 1739-48	4.4	48
54	Hemispheric differences in frontal and parietal influences on human occipital cortex: direct confirmation with concurrent TMS-fMRI. <i>Journal of Cognitive Neuroscience</i> , <b>2009</b> , 21, 1146-61	3.1	105
53	Echtzeit-fMRT. <i>Klinische Neurophysiologie</i> , <b>2009</b> , 40, 214-221	0.2	1
52	Voxel-based morphometry reveals reduced grey matter volume in the temporal cortex of developmental prosopagnosics. <i>Brain</i> , <b>2009</b> , 132, 3443-55	11.2	148
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10	Reliability of quantitative multiparameter maps is high for MT and PD but attenuated for R1 and R2* in healthy young adults		1
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