Nikolaus Weiskopf

List of Publications by Year
in descending order

192	20,270	8755	12946
papers	citations	75 h-index	131 g-index

216	216	216	18637
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Finding the best clearing approach - Towards 3D wide-scale multimodal imaging of aged human brain tissue. NeuroImage, 2022, 247, 118832.	4.2	7
2	Towards a representative reference for MRI-based human axon radius assessment using light microscopy. NeuroImage, 2022, 249, 118906.	4.2	2
3	Reliability of quantitative multiparameter maps is high for magnetization transfer and proton density but attenuated for <scp>R₁</scp> and <scp>R₂</scp>* in healthy young adults. Human Brain Mapping, 2022, 43, 3585-3603.	3.6	6
4	Multiâ€parameter quantitative mapping of R1, R2*, PD, and MTsat is reproducible when accelerated with Compressed SENSE. NeuroImage, 2022, 253, 119092.	4.2	3
5	Mapping the human connectome using diffusion MRI at 300 mT/m gradient strength: Methodological advances and scientific impact. NeuroImage, 2022, 254, 118958.	4.2	18
6	Combining navigator and optical prospective motion correction for <scp>highâ€quality</scp> 500 Î¼m resolution quantitative <scp>multiâ€parameter</scp> mapping at <scp>7T</scp>. Magnetic Resonance in Medicine, 2022, 88, 787-801.	3.0	12
7	A unified 3D map of microscopic architecture and MRI of the human brain. Science Advances, 2022, 8, eabj7892.	10.3	33
8	The relationship between hippocampal-dependent task performance and hippocampal grey matter myelination and iron content. Brain and Neuroscience Advances, 2021, 5, 239821282110119.	3.4	7
9	The variability of MR axon radii estimates in the human white matter. Human Brain Mapping, 2021, 42, 2201-2213.	3.6	30
10	Microstructural plasticity in nociceptive pathways after spinal cord injury. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 863-871.	1.9	10
11	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. NeuroImage, 2021, 232, 117910.	4.2	31
12	Quantitative magnetic resonance imaging of brain anatomy and in vivo histology. Nature Reviews Physics, 2021, 3, 570-588.	26.6	115
13	Relating quantitative <scp>7T MRI</scp> across cortical depths to cytoarchitectonics, gene expression and connectomics. Human Brain Mapping, 2021, 42, 4996-5009.	3.6	17
14	Predictors of real-time fMRI neurofeedback performance and improvement â€“ A machine learning mega-analysis. NeuroImage, 2021, 237, 118207.	4.2	22
15	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. Scientific Data, 2021, 8, 219.	5.3	27
16	Reducing Susceptibility Distortion Related Image Blurring in Diffusion MRI EPI Data. Frontiers in Neuroscience, 2021, 15, 706473.	2.8	5
17	Generic acquisition protocol for quantitative MRI of the spinal cord. Nature Protocols, 2021, 16, 4611-4632.	12.0	65
18	Longitudinal changes of spinal cord grey and white matter following spinal cord injury. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 1222-1230.	1.9	20

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19	Perceived and mentally rotated contents are differentially represented in cortical depth of V1. Communications Biology, 2021, 4, 1069.	4.4	17
20	Simulating Local Deformations in the Human Cortex Due to Blood Flow-Induced Changes in Mechanical Tissue Properties: Impact on Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2021, 15, 722366.	2.8	3
21	Measuring the iron content of dopaminergic neurons in substantia nigra with MRI relaxometry. NeuroImage, 2021, 239, 118255.	4.2	28
22	A brief history of real-time fMRI neurofeedback. , 2021, , 1-19.		1
23	Superficial white matter imaging: Contrast mechanisms and whole-brain in vivo mapping. Science Advances, 2020, 6, .	10.3	65
24	Activity or connectivity? A randomized controlled feasibility study evaluating neurofeedback training in Huntingtonâ€™s disease. Brain Communications, 2020, 2, fcaa049.	3.3	10
25	Multiparameter mapping of relaxation (<scp>R1</scp>, <scp>R2</scp>*), proton density and magnetization transfer saturation at <scp>3 T</scp>: A multicenter dualâ€vendor reproducibility and repeatability study. Human Brain Mapping, 2020, 41, 4232-4247.	3.6	59
26	Can we predict realâ€time <scp>fMRI</scp> neurofeedback learning success from pretraining brain activity?. Human Brain Mapping, 2020, 41, 3839-3854.	3.6	27
27	Extrapyramidal plasticity predicts recovery after spinal cord injury. Scientific Reports, 2020, 10, 14102.	3.3	7
28	7 Tesla MRI Followed by Histological 3D Reconstructions in Whole-Brain Specimens. Frontiers in Neuroanatomy, 2020, 14, 536838.	1.7	21
29	Modeling radio-frequency energy-induced heating due to the presence of transcranial electric stimulation setup at 3T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 793-807.	2.0	5
30	fMRI protocol optimization for simultaneously studying small subcortical and cortical areas at 7Ââ€‹T. NeuroImage, 2020, 219, 116992.	4.2	32
31	A comprehensive approach for correcting voxelâ€wise bâ€value errors in diffusion MRI. Magnetic Resonance in Medicine, 2020, 83, 2173-2184.	3.0	15
32	Modeling Electromagnetic Exposure in Humans Inside a Whole-Body Birdcage Coil Excited by a Two-Channel Parallel Transmitter Operated at 123 MHz. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 247-253.	3.4	1
33	Mapping Short Association Fibers in the Early Cortical Visual Processing Stream Using In Vivo Diffusion Tractography. Cerebral Cortex, 2020, 30, 4496-4514.	2.9	40
34	MRI in traumatic spinal cord injury: from clinical assessment to neuroimaging biomarkers. Lancet Neurology, The, 2019, 18, 1123-1135.	10.2	125
35	Acquisition of sensorimotor fMRI under general anaesthesia: Assessment of feasibility, the BOLD response and clinical utility. NeuroImage: Clinical, 2019, 23, 101923.	2.7	8
36	Example dataset for the hMRI toolbox. Data in Brief, 2019, 25, 104132.	1.0	24

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37	Biophysically motivated efficient estimation of the spatially isotropic component from a single gradientâ€recalled echo measurement. Magnetic Resonance in Medicine, 2019, 82, 1804-1811.	3.0	10
38	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. Brain, 2019, 142, 2558-2571.	7.6	219
39	Traumatic and nontraumatic spinal cord injury: pathological insights from neuroimaging. Nature Reviews Neurology, 2019, 15, 718-731.	10.1	125
40	Brain iron content in systemic iron overload: A beta-thalassemia quantitative MRI study. NeuroImage: Clinical, 2019, 24, 102058.	2.7	14
41	Apparent thinning of human visual cortex during childhood is associated with myelination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20750-20759.	7.1	231
42	Safety of Tattoos in Persons Undergoing MRI. New England Journal of Medicine, 2019, 380, 495-496.	27.0	11
43	hMRI â€“ A toolbox for quantitative MRI in neuroscience and clinical research. NeuroImage, 2019, 194, 191-210.	4.2	161
44	Spatial gradients of healthy aging: a study of myelin-sensitive maps. Neurobiology of Aging, 2019, 79, 83-92.	3.1	5
45	In vivo evidence of remote neural degeneration in the lumbar enlargement after cervical injury. Neurology, 2019, 92, e1367-e1377.	1.1	29
46	PyRatesâ€”A Python framework for rate-based neural simulations. PLoS ONE, 2019, 14, e0225900.	2.5	11
47	Maximising BOLD sensitivity through automated EPI protocol optimisation. NeuroImage, 2019, 189, 159-170.	4.2	17
48	Flexible proton density (PD) mapping using multi-contrast variable flip angle (VFA) data. NeuroImage, 2019, 186, 464-475.	4.2	12
49	Volitional modulation of higher-order visual cortex alters human perception. NeuroImage, 2019, 188, 291-301.	4.2	2
50	In-vivo magnetic resonance imaging (MRI) of laminae in the human cortex. NeuroImage, 2019, 197, 707-715.	4.2	83
51	Locus coeruleus integrity in old age is selectively related to memories linked with salient negative events. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2228-2233.	7.1	104
52	Progressive neurodegeneration following spinal cord injury. Neurology, 2018, 90, e1257-e1266.	1.1	97
53	Dorsal and ventral horn atrophy is associated with clinical outcome after spinal cord injury. Neurology, 2018, 90, e1510-e1522.	1.1	44
54	Developing 3D microscopy with CLARITY on human brain tissue: Towards a tool for informing and validating MRI-based histology. NeuroImage, 2018, 182, 417-428.	4.2	81

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55	Real-time decoding of covert attention in higher-order visual areas. NeuroImage, 2018, 169, 462-472.	4.2	12
56	Stimulating neural plasticity with realâ€¢time f<scp>MRI</scp> neurofeedback in <scp>H</scp>untington's disease: A proof of concept study. Human Brain Mapping, 2018, 39, 1339-1353.	3.6	33
57	Microstructural imaging of human neocortex in vivo. NeuroImage, 2018, 182, 184-206.	4.2	101
58	When the Brain Takes â€˜BOLDâ€™ Steps: Real-Time fMRI Neurofeedback Can Further Enhance the Ability to Gradually Self-regulate Regional Brain Activation. Neuroscience, 2018, 378, 71-88.	2.3	42
59	Quantitative MRI provides markers of intra-, inter-regional, and age-related differences in young adult cortical microstructure. NeuroImage, 2018, 182, 429-440.	4.2	71
60	Author response: Progressive neurodegeneration following spinal cord injury: Implications for clinical trials. Neurology, 2018, 91, 985-985.	1.1	7
61	Melody Processing Characterizes Functional Neuroanatomy in the Aging Brain. Frontiers in Neuroscience, 2018, 12, 815.	2.8	12
62	A group-level comparison of volumetric and combined volumetric-surface normalization for whole brain analyses of myelin and iron maps. Magnetic Resonance Imaging, 2018, 54, 225-240.	1.8	5
63	Quantitative MRI of rostral spinal cord and brain regions is predictive of functional recovery in acute spinal cord injury. NeuroImage: Clinical, 2018, 20, 556-563.	2.7	46
64	Optimizing Data for Modeling Neuronal Responses. Frontiers in Neuroscience, 2018, 12, 986.	2.8	11
65	Combining Deep Learning and Active Contours Opens The Way to Robust, Automated Analysis of Brain Cytoarchitectonics. Lecture Notes in Computer Science, 2018, , 179-187.	1.3	4
66	Physiological basis of vascular autocalibration (Vas<scp>A</scp>): Comparison to hypercapnia calibration methods. Magnetic Resonance in Medicine, 2017, 78, 1168-1173.	3.0	7
67	Closed-loop brain training: the science of neurofeedback. Nature Reviews Neuroscience, 2017, 18, 86-100.	10.2	814
68	Flexible head-casts for high spatial precision MEG. Journal of Neuroscience Methods, 2017, 276, 38-45.	2.5	69
69	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. Frontiers in Neuroscience, 2017, 11, 15.	2.8	5
70	Functional Sensitivity of 2D Simultaneous Multi-Slice Echo-Planar Imaging: Effects of Acceleration on g-factor and Physiological Noise. Frontiers in Neuroscience, 2017, 11, 158.	2.8	45
71	NODDI-DTI: Estimating Neurite Orientation and Dispersion Parameters from a Diffusion Tensor in Healthy White Matter. Frontiers in Neuroscience, 2017, 11, 720.	2.8	54
72	Local striatal reward signals can be predicted from corticostriatal connectivity. NeuroImage, 2017, 159, 9-17.	4.2	15

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73	Iron Level and Myelin Content in the Ventral Striatum Predict Memory Performance in the Aging Brain. Journal of Neuroscience, 2016, 36, 3552-3558.	3.6	55
74	Evaluation of 2D multiband EPI imaging for high-resolution, whole-brain, task-based fMRI studies at 3T: Sensitivity and slice leakage artifacts. NeuroImage, 2016, 124, 32-42.	4.2	170
75	Identifying Intracortical Partial Voluming Effects Using Cortical Surface Normals in Quantitative MRI T1 Maps Sensitive to Microstructure. Informatik Aktuell, 2016, , 14-19.	0.6	0
76	Correction of interâ€scan motion artifacts in quantitative R1 mapping by accounting for receive coil sensitivity effects. Magnetic Resonance in Medicine, 2016, 76, 1478-1485.	3.0	30
77	Microstructural parameter estimation in vivo using diffusion MRI and structured prior information. Magnetic Resonance in Medicine, 2016, 75, 1787-1796.	3.0	11
78	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9105-9110.	7.1	415
79	Voxel-based analysis of grey and white matter degeneration in cervical spondylotic myelopathy. Scientific Reports, 2016, 6, 24636.	3.3	52
80	Synthetic quantitative MRI through relaxometry modelling. NMR in Biomedicine, 2016, 29, 1729-1738.	2.8	25
81	Embodied neurology: an integrative framework for neurological disorders. Brain, 2016, 139, 1855-1861.	7.6	39
82	The quest for the best: The impact of different EPI sequences on the sensitivity of random effect fMRI group analyses. NeuroImage, 2016, 126, 49-59.	4.2	55
83	Vascular autorescaling of fMRI (VasA fMRI) improves sensitivity of population studies: A pilot study. NeuroImage, 2016, 124, 794-805.	4.2	33
84	Specific white matter tissue microstructure changes associated with obesity. NeuroImage, 2016, 125, 36-44.	4.2	106
85	A general linear relaxometry model of R₁ using imaging data. Magnetic Resonance in Medicine, 2015, 73, 1309-1314.	3.0	90
86	Tracking sensory system atrophy and outcome prediction in spinal cord injury. Annals of Neurology, 2015, 78, 751-761.	5.3	77
87	Advances in MRI-based computational neuroanatomy. Current Opinion in Neurology, 2015, 28, 313-322.	3.6	166
88	An evaluation of prospective motion correction (PMC) for high resolution quantitative MRI. Frontiers in Neuroscience, 2015, 9, 97.	2.8	84
89	Objective Bayesian fMRI analysisÃ¢â‚¬â€ pilot study in different clinical environments. Frontiers in Neuroscience, 2015, 9, 168.	2.8	8
90	Whole-Brain In-vivo Measurements of the Axonal G-Ratio in a Group of 37 Healthy Volunteers. Frontiers in Neuroscience, 2015, 9, 441.	2.8	97

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91	Cognitive enhancement through real-time fMRI neurofeedback. Current Opinion in Behavioral Sciences, 2015, 4, 122-127.	3.9	32
92	POAS4SPM: A Toolbox for SPM to Denoise Diffusion MRI Data. Neuroinformatics, 2015, 13, 19-29.	2.8	12
93	Prospective motion correction of 3D echo-planar imaging data for functional MRI using optical tracking. NeuroImage, 2015, 113, 1-12.	4.2	68
94	Manipulating motor performance and memory through real-time fMRI neurofeedback. Biological Psychology, 2015, 108, 85-97.	2.2	97
95	A novel coil array for combined TMS/fMRI experiments at 3 T. Magnetic Resonance in Medicine, 2015, 74, 1492-1501.	3.0	46
96	Structure predicts function: Combining non-invasive electrophysiology with in-vivo histology. NeuroImage, 2015, 108, 377-385.	4.2	23
97	Midbrain fMRI: Applications, Limitations and Challenges. Biological Magnetic Resonance, 2015, , 581-609.	0.4	11
98	Connectivity Changes Underlying Neurofeedback Training of Visual Cortex Activity. PLoS ONE, 2014, 9, e91090.	2.5	22
99	Estimating the apparent transverse relaxation time (R2*) from images with different contrasts (ESTATICS) reduces motion artifacts. Frontiers in Neuroscience, 2014, 8, 278.	2.8	68
100	Direct Evidence for Attention-Dependent Influences of the Frontal Eye-Fields on Feature-Responsive Visual Cortex. Cerebral Cortex, 2014, 24, 2815-2821.	2.9	41
101	A new method for joint susceptibility artefact correction and super-resolution for dMRI. , 2014, , .		2
102	The habenula encodes negative motivational value associated with primary punishment in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11858-11863.	7.1	116
103	Brain tissue properties differentiate between motor and limbic basal ganglia circuits. Human Brain Mapping, 2014, 35, 5083-5092.	3.6	82
104	Widespread age-related differences in the human brain microstructure revealed by quantitative magnetic resonance imaging. Neurobiology of Aging, 2014, 35, 1862-1872.	3.1	248
105	Using high-resolution quantitative mapping of R1 as an index of cortical myelination. NeuroImage, 2014, 93, 176-188.	4.2	299
106	Orthogonalizing crusher and diffusionâ€encoding gradients to suppress undesired echo pathways in the twiceâ€refocused spin echo diffusion sequence. Magnetic Resonance in Medicine, 2014, 71, 506-515.	3.0	4
107	High-resolution diffusion kurtosis imaging at 3T enabled by advanced post-processing. Frontiers in Neuroscience, 2014, 8, 427.	2.8	22
108	Phase informed model for motion and susceptibility. Human Brain Mapping, 2013, 34, 3086-3100.	3.6	18

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109	Highâ€resolution functional MRI at 3 T: 3D/2D echoâ€planar imaging with optimized physiological noise correction. Magnetic Resonance in Medicine, 2013, 69, 1657-1664.	3.0	93
110	Motor phenotype and magnetic resonance measures of basal ganglia iron levels in Parkinson's disease. Parkinsonism and Related Disorders, 2013, 19, 1136-1142.	2.2	48
111	MRI investigation of the sensorimotor cortex and the corticospinal tract after acute spinal cord injury: a prospective longitudinal study. Lancet Neurology, The, 2013, 12, 873-881.	10.2	239
112	The impact of post-processing on spinal cord diffusion tensor imaging. NeuroImage, 2013, 70, 377-385.	4.2	59
113	Real-time fMRI neurofeedback: Progress and challenges. NeuroImage, 2013, 76, 386-399.	4.2	398
114	Connectivity-based neurofeedback: Dynamic causal modeling for real-time fMRI. NeuroImage, 2013, 81, 422-430.	4.2	135
115	Retrospective correction of physiological noise in DTI using an extended tensor model and peripheral measurements. Magnetic Resonance in Medicine, 2013, 70, 358-369.	3.0	32
116	Mapping the Human Cortical Surface by Combining Quantitative T1 with Retinotopyâ€. Cerebral Cortex, 2013, 23, 2261-2268.	2.9	236
117	Using High Angular Resolution Diffusion Imaging Data to Discriminate Cortical Regions. PLoS ONE, 2013, 8, e63842.	2.5	37
118	Quantitative multi-parameter mapping of R1, PD*, MT, and R2* at 3T: a multi-center validation. Frontiers in Neuroscience, 2013, 7, 95.	2.8	428
119	Hyperelastic Susceptibility Artifact Correction of DTI in SPM. Informatik Aktuell, 2013, , 344-349.	0.6	21
120	Echtzeit-fMRT. , 2013, , 103-117.		0
121	Axonal integrity predicts cortical reorganisation following cervical injury. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 629-637.	1.9	65
122	In VivoFunctional and Myeloarchitectonic Mapping of Human Primary Auditory Areas. Journal of Neuroscience, 2012, 32, 16095-16105.	3.6	206
123	Detecting Representations of Recent and Remote Autobiographical Memories in vmPFC and Hippocampus. Journal of Neuroscience, 2012, 32, 16982-16991.	3.6	191
124	Improving Visual Perception through Neurofeedback. Journal of Neuroscience, 2012, 32, 17830-17841.	3.6	113
125	Real-time fMRI and its application to neurofeedback. NeuroImage, 2012, 62, 682-692.	4.2	261
126	The effect of local perturbation fields on human DTI: Characterisation, measurement and correction. NeuroImage, 2012, 60, 562-570.	4.2	33

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127	Dissociable roles of human inferior frontal gyrus during action execution and observation. NeuroImage, 2012, 60, 1671-1677.	4.2	82
128	Degeneration of the Injured Cervical Cord Is Associated with Remote Changes in Corticospinal Tract Integrity and Upper Limb Impairment. PLoS ONE, 2012, 7, e51729.	2.5	62
129	Multi-voxel pattern analysis in human hippocampal subfields. Frontiers in Human Neuroscience, 2012, 6, 290.	2.0	74
130	Correction of vibration artifacts in DTI using phaseâ€encoding reversal (COVIPER). Magnetic Resonance in Medicine, 2012, 68, 882-889.	3.0	40
131	Decoding representations of scenes in the medial temporal lobes. Hippocampus, 2012, 22, 1143-1153.	1.9	62
132	Robust and Fast Whole Brain Mapping of the RF Transmit Field B1 at 7T. PLoS ONE, 2012, 7, e32379.	2.5	127
133	Modelling Temporal Stability of EPI Time Series Using Magnitude Images Acquired with Multi-Channel Receiver Coils. PLoS ONE, 2012, 7, e52075.	2.5	9
134	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). NeuroImage, 2011, 55, 1423-1434.	4.2	259
135	The impact of physiological noise correction on fMRI at 7 T. NeuroImage, 2011, 57, 101-112.	4.2	199
136	Flow of affective information between communicating brains. NeuroImage, 2011, 54, 439-446.	4.2	234
137	Unified segmentation based correction of R1 brain maps for RF transmit field inhomogeneities (UNICORT). NeuroImage, 2011, 54, 2116-2124.	4.2	168
138	Identification of signal bias in the variable flip angle method by linear display of the algebraic ernst equation. Magnetic Resonance in Medicine, 2011, 66, 669-677.	3.0	31
139	Real-time functional magnetic imagingâ€"brainâ€"computer interface and virtual reality. Progress in Brain Research, 2011, 192, 263-272.	1.4	26
140	Disability, atrophy and cortical reorganization following spinal cord injury. Brain, 2011, 134, 1610-1622.	7.6	238
141	A Stable Sparse Fear Memory Trace in Human Amygdala. Journal of Neuroscience, 2011, 31, 9383-9389.	3.6	73
142	Deep and Superficial Amygdala Nuclei Projections Revealed In Vivo by Probabilistic Tractography. Journal of Neuroscience, 2011, 31, 618-623.	3.6	139
143	Causal evidence for frontal involvement in memory target maintenance by posterior brain areas during distracter interference of visual working memory. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17510-17515.	7.1	157
144	Decoding Individual Episodic Memory Traces in the Human Hippocampus. Current Biology, 2010, 20, 544-547.	3.9	187

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145	Method for simultaneous voxelâ€based morphometry of the brain and cervical spinal cord area measurements using 3Dâ€MDEFT. Journal of Magnetic Resonance Imaging, 2010, 32, 1242-1247.	3.4	33
146	Optimization and validation of methods for mapping of the radiofrequency transmit field at 3T. Magnetic Resonance in Medicine, 2010, 64, 229-238.	3.0	159
147	Quantitative magnetization transfer in in vivo healthy human skeletal muscle at 3 T. Magnetic Resonance in Medicine, 2010, 64, 1739-1748.	3.0	57
148	The Role of Contralesional Dorsal Premotor Cortex after Stroke as Studied with Concurrent TMS-fMRI. Journal of Neuroscience, 2010, 30, 11926-11937.	3.6	190
149	Improved shimming for fMRI specifically optimizing the local BOLD sensitivity. NeuroImage, 2010, 49, 327-336.	4.2	20
150	Hemispheric Differences in Frontal and Parietal Influences on Human Occipital Cortex: Direct Confirmation with Concurrent TMSâ€“fMRI. Journal of Cognitive Neuroscience, 2009, 21, 1146-1161.	2.3	133
151	Voxel-based morphometry reveals reduced grey matter volume in the temporal cortex of developmental prosopagnosics. Brain, 2009, 132, 3443-3455.	7.6	166
152	Choking on the Money. Psychological Science, 2009, 20, 955-962.	3.3	81
153	Decoding Neuronal Ensembles in the Human Hippocampus. Current Biology, 2009, 19, 546-554.	3.9	197
154	Selfâ€regulation of regional cortical activity using realâ€time fMRI: The right inferior frontal gyrus and linguistic processing. Human Brain Mapping, 2009, 30, 1605-1614.	3.6	219
155	Image artifacts in concurrent transcranial magnetic stimulation (TMS) and fMRI caused by leakage currents: Modeling and compensation. Journal of Magnetic Resonance Imaging, 2009, 29, 1211-1217.	3.4	48
156	Evidence of Mirror Neurons in Human Inferior Frontal Gyrus. Journal of Neuroscience, 2009, 29, 10153-10159.	3.6	459
157	Improved segmentation of deep brain grey matter structures using magnetization transfer (MT) parameter maps. NeuroImage, 2009, 47, 194-198.	4.2	164
158	A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. NeuroImage, 2009, 48, 371-380.	4.2	504
159	Processing of inconsistent emotional information: an fMRI study. Experimental Brain Research, 2008, 186, 401-407.	1.5	20
160	Mapping causal interregional influences with concurrent TMSâ€“fMRI. Experimental Brain Research, 2008, 191, 383-402.	1.5	197
161	Rapid radiofrequency field mapping in vivo using singleâ€shot STEAM MRI. Magnetic Resonance in Medicine, 2008, 60, 739-743.	3.0	38
162	Efficient fat suppression by sliceâ€selection gradient reversal in twiceâ€refocused diffusion encoding. Magnetic Resonance in Medicine, 2008, 60, 1256-1260.	3.0	60

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163	fMRI Brain-Computer Interfaces. IEEE Signal Processing Magazine, 2008, 25, 95-106.	5.6	89
164	Graph-partitioned spatial priors for functional magnetic resonance images. NeuroImage, 2008, 43, 694-707.	4.2	18
165	Dorsal Premotor Cortex Exerts State-Dependent Causal Influences on Activity in Contralateral Primary Motor and Dorsal Premotor Cortex. Cerebral Cortex, 2008, 18, 1281-1291.	2.9	173
166	Interhemispheric Effect of Parietal TMS on Somatosensory Response Confirmed Directly with Concurrent TMSâ€“fMRI. Journal of Neuroscience, 2008, 28, 13202-13208.	3.6	106
167	The human amygdala is sensitive to the valence of pictures and sounds irrespective of arousal: an fMRI study. Social Cognitive and Affective Neuroscience, 2008, 3, 233-243.	3.0	85
168	Distinct Causal Influences of Parietal Versus Frontal Areas on Human Visual Cortex: Evidence from Concurrent TMS-fMRI. Cerebral Cortex, 2008, 18, 817-827.	2.9	282
169	Threatening a rubber hand that you feel is yours elicits a cortical anxiety response. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9828-9833.	7.1	312
170	When Fear Is Near: Threat Imminence Elicits Prefrontal-Periaqueductal Gray Shifts in Humans. Science, 2007, 317, 1079-1083.	12.6	798
171	Dynamic causal modeling: A generative model of slice timing in fMRI. NeuroImage, 2007, 34, 1487-1496.	4.2	84
172	Regulation of anterior insular cortex activity using real-time fMRI. NeuroImage, 2007, 35, 1238-1246.	4.2	322
173	Comparing hemodynamic models with DCM. NeuroImage, 2007, 38, 387-401.	4.2	449
174	Regulation of emotional responses elicited by threat-related stimuli. Human Brain Mapping, 2007, 28, 409-423.	3.6	362
175	A method for improving the performance of gradient systems for diffusion-weighted MRI. Magnetic Resonance in Medicine, 2007, 58, 763-768.	3.0	34
176	Real-time functional magnetic resonance imaging: methods and applications. Magnetic Resonance Imaging, 2007, 25, 989-1003.	1.8	224
177	Optimized EPI for fMRI studies of the orbitofrontal cortex: compensation of susceptibility-induced gradients in the readout direction. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 39-49.	2.0	157
178	Optimal EPI parameters for reduction of susceptibility-induced BOLD sensitivity losses: A whole-brain analysis at 3ÂT and 1.5ÂT. NeuroImage, 2006, 33, 493-504.	4.2	444
179	The Kuleshov Effect: the influence of contextual framing on emotional attributions. Social Cognitive and Affective Neuroscience, 2006, 1, 95-106.	3.0	116
180	Context-Dependent Human Extinction Memory Is Mediated by a Ventromedial Prefrontal and Hippocampal Network. Journal of Neuroscience, 2006, 26, 9503-9511.	3.6	464

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181	Anterolateral Prefrontal Cortex Mediates the Analgesic Effect of Expected and Perceived Control over Pain. Journal of Neuroscience, 2006, 26, 11501-11509.	3.6	276
182	Benign Partial Epilepsy in Childhood: Selective Cognitive Deficits Are Related to the Location of Focal Spikes Determined by Combined EEG/MEG. Epilepsia, 2005, 46, 1661-1667.	5.1	121
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