Oliver Speck

List of Publications by Year
in descending order

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171	12,934	41344	27406
papers	citations	49 h-index	106 g-index

187	187	187	15551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative evaluation of prospective motion correction in healthy subjects at 7T MRI. Magnetic Resonance in Medicine, 2022, 87, 646-657.	3.0	3
2	Amyloid pathology but notAPOEÎµ4 status is permissive for tau-related hippocampal dysfunction. Brain, 2022, 145, 1473-1485.	7.6	17
3	The differential association between local neurotransmitter levels and wholeâ€brain restingâ€state functional connectivity in two distinct cingulate cortex subregions. Human Brain Mapping, 2022, 43, 2833-2844.	3.6	7
4	ReconResNet: Regularised residual learning for MR image reconstruction of Undersampled Cartesian and Radial data. Computers in Biology and Medicine, 2022, 143, 105321.	7.0	14
5	Imaging of the pial arterial vasculature of the human brain in vivo using high-resolution 7T time-of-flight angiography. ELife, 2022, 11, .	6.0	22
6	Rapid <scp>Geometryâ€Corrected Echoâ€Planar</scp> Diffusion ImagingÂat <scp>Ultrahigh</scp> Field: Fusing View Angle Tilting andÂ<scp>Pointâ€Spread</scp> Function Mapping. Magnetic Resonance in Medicine, 2022, 88, 2074-2087.	3.0	2
7	Hemodynamic Data Assimilation in aÂSubject-specific Circle of Willis Geometry. Clinical Neuroradiology, 2021, 31, 643-651.	1.9	11
8	The BDNFVal66Met SNP modulates the association between beta-amyloid and hippocampal disconnection in Alzheimerâ€™s disease. Molecular Psychiatry, 2021, 26, 614-628.	7.9	61
9	Chemical shiftâ€“based prospective kâ€space anonymization. Magnetic Resonance in Medicine, 2021, 85, 962-969.	3.0	2
10	Dissociable roles of cortical excitation-inhibition balance during patch-leaving versus value-guided decisions. Nature Communications, 2021, 12, 904.	12.8	4
11	Detection of Cerebral Microbleeds With Venous Connection at 7-Tesla MRI. Neurology, 2021, 96, e2048-e2057.	1.1	19
12	Comprehensive ultrahigh resolution whole brain in vivo MRI dataset as a human phantom. Scientific Data, 2021, 8, 138.	5.3	21
13	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. NeuroImage, 2021, 232, 117910.	4.2	31
14	Perceived and mentally rotated contents are differentially represented in cortical depth of V1. Communications Biology, 2021, 4, 1069.	4.4	17
15	Studying Alzheimer disease, Parkinson disease, and amyotrophic lateral sclerosis with 7-T magnetic resonance. European Radiology Experimental, 2021, 5, 36.	3.4	2
16	Assessment of measurement precision in singleâ€voxel spectroscopy at 7 T: Toward minimal detectable changes of metabolite concentrations in the human brain in vivo. Magnetic Resonance in Medicine, 2021, 87, 1119.	3.0	3
17	Studying Alzheimer disease, Parkinson disease, and amyotrophic lateral sclerosis with 7-T magnetic resonance. European Radiology Experimental, 2021, 5, 36.	3.4	10
18	3D-Printed Floating Cable Traps for MRI guided Microwave Ablation. , 2021, 2021, 1419-1422.		0

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19	Default mode network connectivity change corresponds to ketamineâ€™s delayed glutamatergic effects. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 207-216.	3.2	40
20	Transorbital alternating current stimulation modifies BOLD activity in healthy subjects and in a stroke patient with hemianopia: A 7 Tesla fMRI feasibility study. International Journal of Psychophysiology, 2020, 154, 80-92.	1.0	21
21	Fat navigators and MoirÃ© phase tracking comparison for motion estimation and retrospective correction. Magnetic Resonance in Medicine, 2020, 83, 83-93.	3.0	19
22	Phaseâ€Contrast MRI Detection of Ventricular Shunt CSF Flow: Proof of Principle. Journal of Neuroimaging, 2020, 30, 746-753.	2.0	5
23	Hippocampal vascular reserve associated with cognitive performance and hippocampal volume. Brain, 2020, 143, 622-634.	7.6	81
24	Triple visual hemifield maps in a case of optic chiasm hypoplasia. NeuroImage, 2020, 215, 116822.	4.2	10
25	Perceived and mentally rotated contents are differentially represented in cortical layers of V1. Journal of Vision, 2020, 20, 766.	0.3	1
26	European Ultrahighâ€Field Imaging Network for Neurodegenerative Diseases (EUFIND). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 538-549.	2.4	17
27	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. Brain, 2019, 142, 2558-2571.	7.6	219
28	Transient flow prediction in an idealized aneurysm geometry using data assimilation. Computers in Biology and Medicine, 2019, 115, 103507.	7.0	20
29	Higher CSF Tau Levels Are Related to Hippocampal Hyperactivity and Object Mnemonic Discrimination in Older Adults. Journal of Neuroscience, 2019, 39, 8788-8797.	3.6	64
30	The human habenula is responsive to changes in luminance and circadian rhythm. NeuroImage, 2019, 189, 581-588.	4.2	19
31	Rostral Anterior Cingulate Glutamine/Glutamate Disbalance in Major Depressive Disorder Depends on Symptom Severity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 1049-1058.	1.5	10
32	Hippocampal vascularization patterns: A high-resolution 7 Tesla time-of-flight magnetic resonance angiography study. NeuroImage: Clinical, 2019, 21, 101609.	2.7	47
33	Wireless video transmission into the MRI magnet room: implementation and evaluation at 1.5T, 3T and 7T. Biomedizinische Technik, 2019, 64, 373-382.	0.8	1
34	Neuronal glutamatergic changes and peripheral markers of cytoskeleton dynamics change synchronically 24â€‰h after sub-anaesthetic dose of ketamine in healthy subjects. Behavioural Brain Research, 2019, 359, 312-319.	2.2	11
35	Prospective motion correction improves highâ€resolution quantitative susceptibility mapping at 7T. Magnetic Resonance in Medicine, 2019, 81, 1605-1619.	3.0	33
36	Left frontal hub connectivity delays cognitive impairment in autosomal-dominant and sporadic Alzheimerâ€™s disease. Brain, 2018, 141, 1186-1200.	7.6	83

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37	Assessment of Low-Grade Meniscal and Cartilage Damage of the Knee at 7 T. Investigative Radiology, 2018, 53, 390-396.	6.2	11
38	Motion Correction in Proton Resonance Frequencyâ€“based Thermometry in the Liver. Topics in Magnetic Resonance Imaging, 2018, 27, 53-61.	1.2	18
39	Design and first baseline data of the DZNE multicenter observational study on predementia Alzheimerâ€™s disease (DELCODE). Alzheimer's Research and Therapy, 2018, 10, 15.	6.2	131
40	Dynamic 2D selfâ€phaseâ€map Nyquist ghost correction for simultaneous multiâ€slice echo planar imaging. Magnetic Resonance in Medicine, 2018, 80, 1577-1587.	3.0	1
41	Prospective motion correction enables highest resolution timeâ€ofâ€flight angiography at 7T. Magnetic Resonance in Medicine, 2018, 80, 248-258.	3.0	39
42	The potential toxic impact of different gadolinium-based contrast agents combined with 7-T MRI on isolated human lymphocytes. European Radiology Experimental, 2018, 2, 40.	3.4	7
43	Percutaneous MR-guided interventions using an optical MoirÃ© Phase tracking system: Initial results. PLoS ONE, 2018, 13, e0205394.	2.5	5
44	CSF total tau levels are associated with hippocampal novelty irrespective of hippocampal volume. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 782-790.	2.4	26
45	A robust multi-scale approach to quantitative susceptibility mapping. NeuroImage, 2018, 183, 7-24.	4.2	60
46	Pros and cons of ultra-high-field MRI/MRS for human application. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 109, 1-50.	7.5	331
47	GAD65 Promoter Polymorphism rs2236418 Modulates Harm Avoidance in Women via Inhibition/Excitation Balance in the Rostral ACC. Journal of Neuroscience, 2018, 38, 5067-5077.	3.6	17
48	The effect of acquisition resolution on orientation decoding from V1 BOLD fMRI at 7 T. NeuroImage, 2017, 148, 64-76.	4.2	20
49	High-resolution distortion-free diffusion imaging using hybrid spin-warp and echo-planar PSF-encoding approach. NeuroImage, 2017, 148, 20-30.	4.2	32
50	Modelâ€based iterative reconstruction for singleâ€shot <scp>EPI</scp> at 7<scp>T</scp>. Magnetic Resonance in Medicine, 2017, 78, 2250-2264.	3.0	13
51	MRI and Genetic Damage: An Update. Current Radiology Reports, 2017, 5, 1.	1.4	6
52	Ultra high-field (7 T) multi-resolution fMRI data for orientation decoding in visual cortex. Data in Brief, 2017, 13, 219-222.	1.0	4
53	T1-weighted in vivo human whole brain MRI dataset with an ultrahigh isotropic resolution of 250 Î¼m. Scientific Data, 2017, 4, 170032.	5.3	61
54	Evaluation of exposure to (ultra) high static magnetic fields during activities around human MRI scanners. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 255-264.	2.0	13

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55	Noninvasive 4D Flow Characterization in a Stirred Tank via Phaseâ€Contrast Magnetic Resonance Imaging. Chemical Engineering and Technology, 2017, 40, 1370-1327.	1.5	4
56	Correction of metal-induced susceptibility artifacts for functional MRI during deep brain stimulation. NeuroImage, 2017, 158, 26-36.	4.2	22
57	Temporal Dynamics of Antidepressant Ketamine Effects on Glutamine Cycling Follow Regional Fingerprints of AMPA and NMDA Receptor Densities. Neuropsychopharmacology, 2017, 42, 1201-1209.	5.4	57
58	Impact of in Vivo High-Field-Strength and Ultra-High-Field-Strength MR Imaging on DNA Double-Strand-Break Formation in Human Lymphocytes. Radiology, 2017, 282, 782-789.	7.3	23
59	False fMRI activation after motion correction. Human Brain Mapping, 2017, 38, 4497-4510.	3.6	12
60	Signalâ€toâ€noise ratio and MR tissue parameters in human brain imaging at 3, 7, and 9.4 tesla using current receive coil arrays. Magnetic Resonance in Medicine, 2016, 75, 801-809.	3.0	299
61	PSF mapping-based correction of eddy-current-induced distortions in diffusion-weighted echo-planar imaging. Magnetic Resonance in Medicine, 2016, 75, 2055-2063.	3.0	13
62	A new sequence for shaped voxel spectroscopy in the human brain using 2D spatially selective excitation and parallel transmission. NMR in Biomedicine, 2016, 29, 1028-1037.	2.8	8
63	DNA double-strand breaks and micronuclei in human blood lymphocytes after repeated whole body exposures to 7T Magnetic Resonance Imaging. NeuroImage, 2016, 133, 288-293.	4.2	39
64	The traveling heads: multicenter brain imaging at 7 Tesla. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 399-415.	2.0	26
65	High-resolution diffusion MRI at 7T using a three-dimensional multi-slab acquisition. NeuroImage, 2016, 143, 1-14.	4.2	55
66	Feasibility study: 7ÂT MRI in giant cell arteritis. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1111-1116.	1.9	15
67	Correction of B 0-induced geometric distortion variations in prospective motion correction for 7T MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 319-332.	2.0	18
68	Subjective perception of safety in healthy individuals working with 7ÂT MRI scanners: a retrospective multicenter survey. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 379-387.	2.0	11
69	Sensory perceptions of individuals exposed to the static field of a 7T MRI: A controlled blinded study. Journal of Magnetic Resonance Imaging, 2015, 41, 1675-1681.	3.4	21
70	Correction of gradient nonlinearity artifacts in prospective motion correction for 7T MRI. Magnetic Resonance in Medicine, 2015, 73, 1562-1569.	3.0	18
71	Quantitative assessment of visual cortex function with fMRI at 7 Teslaâ€"testâ€"retest variability. Frontiers in Human Neuroscience, 2015, 9, 477.	2.0	6
72	Effects of alternating current stimulation on the healthy and diseased brain. Frontiers in Neuroscience, 2015, 9, 391.	2.8	34

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73	Distortion Correction in EPI Using an Extended PSF Method with a Reversed Phase Gradient Approach. PLoS ONE, 2015, 10, e0116320.	2.5	26
74	Analysis of DNA Double-Strand Breaks and Cytotoxicity after 7 Tesla Magnetic Resonance Imaging of Isolated Human Lymphocytes. PLoS ONE, 2015, 10, e0132702.	2.5	36
75	Highest Resolution In Vivo Human Brain MRI Using Prospective Motion Correction. PLoS ONE, 2015, 10, e0133921.	2.5	138
76	Automatic voxel positioning for MRS at 7ÂT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 259-270.	2.0	31
77	Magnetic resonance imaging (MRI): A review of genetic damage investigations. Mutation Research - Reviews in Mutation Research, 2015, 764, 51-63.	5.5	72
78	The separation of Gln and Glu in STEAM: a comparison study using short and long TEs/TMs at 3 and 7ÂT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 395-405.	2.0	11
79	Midbrain fMRI: Applications, Limitations and Challenges. Biological Magnetic Resonance, 2015, , 581-609.	0.4	11
80	Evaluation of 2D spatially selective MR spectroscopy using parallel excitation at 7 T. Quantitative Imaging in Medicine and Surgery, 2015, 5, 344-55.	2.0	4
81	Cerebral Blood Flow in a Healthy Circle of Willis and Two Intracranial Aneurysms: Computational Fluid Dynamics Versus Four-Dimensional Phase-Contrast Magnetic Resonance Imaging. Journal of Biomechanical Engineering, 2014, 136, .	1.3	95
82	Gain of Imaging Fidelity by Employing a Higher Number of Independent Transmit Channels Together with Slice-Selective Radio-Frequency (RF) Shimming at 7T. Materials, 2014, 7, 30-43.	2.9	0
83	Laminar activity in the hippocampus and entorhinal cortex related to novelty and episodic encoding. Nature Communications, 2014, 5, 5547.	12.8	90
84	Visualization of the amygdaloâ€“hippocampal border and its structural variability by 7T and 3T magnetic resonance imaging. Human Brain Mapping, 2014, 35, 4316-4329.	3.6	29
85	Prevention of motionâ€induced signal loss in diffusionâ€weighted echoâ€planar imaging by dynamic restoration of gradient moments. Magnetic Resonance in Medicine, 2014, 71, 2006-2013.	3.0	22
86	Relative pressure field computation in human arteries based on 4D PC-MRI velocities. , 2014, , .		0
87	Impact of chiasma opticum malformations on the organization of the human ventral visual cortex. Human Brain Mapping, 2014, 35, 5093-5105.	3.6	28
88	A high-resolution 7-Tesla fMRI dataset from complex natural stimulation with an audio movie. Scientific Data, 2014, 1, 140003.	5.3	139
89	Fast noniterative calibration of an external motion tracking device. Magnetic Resonance in Medicine, 2014, 71, 1489-1500.	3.0	10
90	Accurate quantification of waterâ€“macromolecule exchange induced frequency shift: Effects of reference substance. Magnetic Resonance in Medicine, 2013, 69, 263-268.	3.0	14

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91	Prospective motion correction in brain imaging: A review. Magnetic Resonance in Medicine, 2013, 69, 621-636.	3.0	320
92	SAR simulations for highâ€field MRI: How much detail, effort, and accuracy is needed?. Magnetic Resonance in Medicine, 2013, 69, 1157-1168.	3.0	72
93	Combined acquisition technique (CAT) for high-field neuroimaging with reduced RF power. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 411-418.	2.0	4
94	Cortical thickness determination of the human brain using high resolution 3T and 7T MRI data. NeuroImage, 2013, 70, 122-131.	4.2	113
95	Evidence for feature binding in the superior parietal lobule. NeuroImage, 2013, 68, 173-180.	4.2	19
96	Efficacy of diphenhydramine in the prevention of vertigo and nausea at 7T MRI. European Journal of Radiology, 2013, 82, 768-772.	2.6	14
97	Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. Lancet Neurology, The, 2013, 12, 822-838.	10.2	3,919
98	Systematic Regional Variations of GABA, Glutamine, and Glutamate Concentrations Follow Receptor Fingerprints of Human Cingulate Cortex. Journal of Neuroscience, 2013, 33, 12698-12704.	3.6	78
99	The European Federation of Organisations for Medical Physics Policy Statement No 14: The role of the Medical Physicist in the management of safety within the magnetic resonance imaging environment: EFOMP recommendations. Physica Medica, 2013, 29, 122-125.	0.7	12
100	Integration of ultra-high field MRI and histology for connectome based research of brain disorders. Frontiers in Neuroanatomy, 2013, 7, 31.	1.7	24
101	Plasticity and Stability of the Visual System in Human Achiasma. Neuron, 2012, 75, 393-401.	8.1	85
102	Enhancement of temporal resolution and BOLD sensitivity in real-time fMRI using multi-slab echo-volumar imaging. NeuroImage, 2012, 61, 115-130.	4.2	78
103	Contrasts, Mechanisms and Sequences. Medical Radiology, 2012, , 81-125.	0.1	0
104	Measurement and Correction of Microscopic Head Motion during Magnetic Resonance Imaging of the Brain. PLoS ONE, 2012, 7, e48088.	2.5	177
105	Distortion correction in EPI at ultraâ€highâ€field MRI using PSF mapping with optimal combination of shift detection dimension. Magnetic Resonance in Medicine, 2012, 68, 1239-1246.	3.0	27
106	Variability of fMRIâ€response patterns at different spatial observation scales. Human Brain Mapping, 2012, 33, 1155-1171.	3.6	16
107	Proton magnetic resonance spectroscopy in deep human brain structures at 7ÂT. Journal of Applied Spectroscopy, 2012, 79, 120-125.	0.7	7
108	Highly accelerated PSF-mapping for EPI distortion correction with improved fidelity. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 183-192.	2.0	56

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109	Robust and Fast Whole Brain Mapping of the RF Transmit Field B1 at 7T. PLoS ONE, 2012, 7, e32379.	2.5	127
110	Improved Image Segmentation with Prospective Motion Correction in MRI. Informatik Aktuell, 2012, , 27-32.	0.6	0
111	The impact of physiological noise correction on fMRI at 7 T. NeuroImage, 2011, 57, 101-112.	4.2	199
112	Phase contrast imaging in neonates. NeuroImage, 2011, 55, 1068-1072.	4.2	35
113	Perceptual Learning and Decision-Making in Human Medial Frontal Cortex. Neuron, 2011, 70, 549-559.	8.1	152
114	An improved PSF mapping method for EPI distortion correction in human brain at ultra high field (7T). Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 179-190.	2.0	33
115	Combined prospective and retrospective motion correction to relax navigator requirements. Magnetic Resonance in Medicine, 2011, 65, 1724-1732.	3.0	27
116	Frontostriatal activation in patients with obsessiveâ€“compulsive disorder before and after cognitive behavioral therapy. Psychological Medicine, 2011, 41, 207-216.	4.5	86
117	Optimized EPI for fMRI using a slice-dependent template-based gradient compensation method to recover local susceptibility-induced signal loss. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 165-176.	2.0	11
118	Direct Magnetic Field Estimation Based on Echo Planar Raw Data. IEEE Transactions on Medical Imaging, 2010, 29, 1401-1411.	8.9	3
119	Singleâ€voxel MRS with prospective motion correction and retrospective frequency correction. NMR in Biomedicine, 2010, 23, 325-332.	2.8	51
120	Navigator accuracy requirements for prospective motion correction. Magnetic Resonance in Medicine, 2010, 63, 162-170.	3.0	44
121	Visual motion, eye motion, and relative motion: A parametric fMRI study of functional specializations of smooth pursuit eye movement network areas. Journal of Vision, 2010, 10, 21-21.	0.3	15
122	Time Scales of Auditory Habituation in the Amygdala and Cerebral Cortex. Cerebral Cortex, 2010, 20, 2531-2539.	2.9	41
123	Testâ€“retest reliability of event-related functional MRI in a probabilistic reversal learning task. Psychiatry Research - Neuroimaging, 2009, 174, 40-46.	1.8	39
124	Dynamic magnetic resonance imaging of swallowing and laryngeal motion using parallel imaging at 3 T. Magnetic Resonance Imaging, 2009, 27, 48-54.	1.8	56
125	Anatomical specificity of functional amygdala imaging of responses to stimuli with positive and negative emotional valence. Journal of Neuroscience Methods, 2009, 180, 57-70.	2.5	74
126	Retinotopic mapping of the human visual cortex at a magnetic field strength of 7T. Clinical Neurophysiology, 2009, 120, 108-116.	1.5	52

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127	Probabilistic Assignment of Brain Responses to the Human Amygdala and its Subregions using High Resolution Functional MRI. IFMBE Proceedings, 2009, , 807-810.	0.3	1
128	High resolution single-shot EPI at 7T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 73-86.	2.0	87
129	High resolution fMRI of subcortical regions during visual erotic stimulation at 7 T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 103-111.	2.0	61
130	Parallel imaging in non-bijective, curvilinear magnetic field gradients: a concept study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 5-14.	2.0	125
131	fMRI evidence for sensorimotor transformations in human cortex during smooth pursuit eye movements. Neuropsychologia, 2008, 46, 2203-2213.	1.6	30
132	The molecular basis for gray and white matter contrast in phase imaging. NeuroImage, 2008, 40, 1561-1566.	4.2	115
133	Reduced Cerebrovascular Reserve at CO2BOLD MR Imaging Is Associated with Increased Risk of Periinterventional Ischemic Lesions during Carotid Endarterectomy or Stent Placement: Preliminary Results1. Radiology, 2008, 249, 251-258.	7.3	36
134	Optic Flow Stimuli in and Near the Visual Field Centre: A Group fMRI Study of Motion Sensitive Regions. PLoS ONE, 2008, 3, e4043.	2.5	17
135	MR-Encephalography: Fast multi-channel monitoring of brain physiology with magnetic resonance. NeuroImage, 2007, 34, 212-219.	4.2	78
136	Systematic investigation of balanced steady-state free precession for functional MRI in the human visual cortex at 3 Tesla. Magnetic Resonance in Medicine, 2007, 57, 67-73.	3.0	39
137	A Rapid Sound-Action Association Effect in Human Insular Cortex. PLoS ONE, 2007, 2, e259.	2.5	85
138	Response Properties of Human Amygdala Subregions: Evidence Based on Functional MRI Combined with Probabilistic Anatomical Maps. PLoS ONE, 2007, 2, e307.	2.5	144
139	Postoperative Lymphoceles: Detection with High-resolution MR Lymphangiography. Journal of Vascular and Interventional Radiology, 2006, 17, 1057-1062.	0.5	16
140	Magnetic resonance imaging of freely moving objects: prospective real-time motion correction using an external optical motion tracking system. NeuroImage, 2006, 31, 1038-1050.	4.2	339
141	Advantages and Limitations of Prospective Head Motion Compensation for MRI Using an Optical Motion Tracking Device. Academic Radiology, 2006, 13, 1093-1103.	2.5	31
142	High-Resolution MR Lymphangiography in Patients with Primary and Secondary Lymphedema. American Journal of Roentgenology, 2006, 187, 556-561.	2.2	99
143	Chronic Lymphedema. Journal of Computer Assisted Tomography, 2006, 30, 688.	0.9	6
144	Blood Oxygen Levelâ€“Dependent MRI Allows Metabolic Description of Tissue at Risk in Acute Stroke Patients. Stroke, 2006, 37, 1778-1784.	2.0	108

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145	Prospective Real-Time Slice-by-Slice Motion Correction for fMRI in Freely Moving Subjects. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 55-61.	2.0	92
146	Fast chemical shift mapping with multiecho balanced SSFP. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 267-273.	2.0	28
147	Vessel size imaging in humans. Magnetic Resonance in Medicine, 2005, 53, 553-563.	3.0	181
148	Additive Effects of HIV and Chronic Methamphetamine Use on Brain Metabolite Abnormalities. American Journal of Psychiatry, 2005, 162, 361-369.	7.2	167
149	Blood Oxygen Levelâ€“Dependent MRI of Cerebral CO ₂ Reactivity in Severe Carotid Stenosis and Occlusion. Stroke, 2005, 36, 751-756.	2.0	68
150	Prospective Head Motion Compensation for MRI by Updating the Gradients and Radio Frequency During Data Acquisition. Lecture Notes in Computer Science, 2005, 8, 482-489.	1.3	13
151	Point spread function mapping with parallel imaging techniques and high acceleration factors: Fast, robust, and flexible method for echo-planar imaging distortion correction. Magnetic Resonance in Medicine, 2004, 52, 1156-1166.	3.0	339
152	Functional magnetic resonance imaging: A review of methodological aspects and clinical applications. Journal of Magnetic Resonance Imaging, 2003, 18, 1-15.	3.4	87
153	Perfusion MRI and computerized cognitive test abnormalities in abstinent methamphetamine users. Psychiatry Research - Neuroimaging, 2002, 114, 65-79.	1.8	207
154	Optimization of signal behavior in the transition to driven equilibrium in steady-state free precession sequences. Magnetic Resonance in Medicine, 2002, 48, 801-809.	3.0	50
155	Fast31P chemical shift imaging using SSFP methods. Magnetic Resonance in Medicine, 2002, 48, 633-639.	3.0	42
156	HIVâ€2 Infection With Cerebral Toxoplasmosis and Lymphomatoid Granulomatosis. Journal of Neuroimaging, 2001, 11, 212-216.	2.0	15
157	Separation and quantification of perfusion and BOLD effects by simultaneous acquisition of functionalI0- andT*2-parameter maps. Magnetic Resonance in Medicine, 2001, 45, 811-816.	3.0	30
158	Motion correction of parametric fMRI data from multi-slice single-shot multi-echo acquisitions. Magnetic Resonance in Medicine, 2001, 46, 1023-1027.	3.0	14
159	Decoupling of the short-term hemodynamic response and the blood oxygen concentration. NMR in Biomedicine, 2001, 14, 402-407.	2.8	5
160	Gender differences in the functional organization of the brain for working memory. NeuroReport, 2000, 11, 2581-2585.	1.2	258
161	Perfusion MRI of the human brain with dynamic susceptibility contrast: Gradient-echo versus spin-echo techniques. Journal of Magnetic Resonance Imaging, 2000, 12, 381-387.	3.4	88
162	Comparison of the hemodynamic response to different visual stimuli in single-event and block stimulation fMRI experiments. Journal of Magnetic Resonance Imaging, 2000, 12, 708-714.	3.4	32

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163	Cerebral perfusion abnormalities in abstinent cocaine abusers: a perfusion MRI and SPECT study. Psychiatry Research - Neuroimaging, 2000, 99, 63-74.	1.8	58
164	Correlation of regional cerebral blood flow from perfusion MRI and SPECT in normal subjects. Magnetic Resonance Imaging, 1999, 17, 349-354.	1.8	37
165	Comparison of static and dynamic MRI techniques for the measurement of regional cerebral blood volume. Magnetic Resonance in Medicine, 1999, 41, 1264-1268.	3.0	13
166	Simultaneous correction for interscan patient motion and geometric distortions in echoplanar imaging. Magnetic Resonance in Medicine, 1999, 42, 201-205.	3.0	29
167	Functional Imaging by I0- andT2* -parameter mapping using multi-image EPI. Magnetic Resonance in Medicine, 1998, 40, 243-248.	3.0	138
168	1H-magnetic resonance spectroscopy in obsessive-compulsive disorder: evidence for neuronal loss in the cingulate gyrus and the right striatum. Psychiatry Research - Neuroimaging, 1997, 74, 173-176.	1.8	142
169	Improved sensitivity to overlapping multiplet signals inin vivo proton spectroscopy using a multiecho volume selective (CPRESS) experiment. Magnetic Resonance in Medicine, 1997, 37, 816-820.	3.0	36
170	Time-resolved measurements of brain activation after a short visual stimulus: new results on the physiological mechanisms of the cortical response. , 1997, 10, 222-229.		30
171	Functional spectroscopy of brain activation following a single light pulse: Examinations of the mechanism of the fast initial response. International Journal of Imaging Systems and Technology, 1995, 6, 203-208.	4.1	46