

JÃ¼rgen Finsterbusch

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,138
citations

257450

24
h-index

243625

44
g-index

55
all docs

55
docs citations

55
times ranked

1882
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain-spinal cord interaction in long-term motor sequence learning in human: An fMRI study. <i>NeuroImage</i> , 2022, 253, 119111.	4.2	16
2	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , 2021, 8, 219.	5.3	27
3	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021, 16, 4611-4632.	12.0	65
4	Resting-state brain and spinal cord networks in humans are functionally integrated. <i>PLoS Biology</i> , 2020, 18, e3000789.	5.6	37
5	Diffusion Tensor Imaging Assessment of Regional White Matter Changes in the Cervical and Thoracic Spinal Cord in Pediatric Subjects. <i>Journal of Neurotrauma</i> , 2019, 36, 853-861.	3.4	17
6	Detection of microscopic diffusion anisotropy in human cortical gray matter in vivo with double diffusion encoding. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1296-1306.	3.0	23
7	Age related diffusion and tractography changes in typically developing pediatric cervical and thoracic spinal cord. <i>NeuroImage: Clinical</i> , 2018, 18, 784-792.	2.7	12
8	Reduced Field of View Diffusion Tensor Imaging and Fiber Tractography of the Pediatric Cervical and Thoracic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 452-460.	3.4	21
9	Identification of ghost artifact using texture analysis in pediatric spinal cord diffusion tensor images. <i>Magnetic Resonance Imaging</i> , 2018, 47, 7-15.	1.8	7
10	Linear and inverted U-shaped dose-response functions describe estrogen effects on hippocampal activity in young women. <i>Nature Communications</i> , 2018, 9, 1220.	12.8	47
11	Investigating resting-state functional connectivity in the cervical spinal cord at 3 T. <i>NeuroImage</i> , 2017, 147, 589-601.	4.2	68
12	Interactions between brain and spinal cord mediate value effects in placebo hyperalgesia. <i>Science</i> , 2017, 358, 105-108.	12.6	148
13	Combining rheology and MRI: Imaging healthy and tumorous brains based on mechanical properties. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 930-940.	3.0	1
14	Diffusion Tensor Imaging of the Normal Cervical and Thoracic Pediatric Spinal Cord. <i>American Journal of Neuroradiology</i> , 2016, 37, 2150-2157.	2.4	23
15	Conventions and nomenclature for double diffusion encoding NMR and MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 82-87.	3.0	154
16	Microscopic diffusion anisotropy in the human brain: Age-related changes. <i>NeuroImage</i> , 2016, 141, 313-325.	4.2	27
17	Spatially selective 2D RF inner field of view (iFOV) diffusion kurtosis imaging (DKI) of the pediatric spinal cord. <i>NeuroImage: Clinical</i> , 2016, 11, 61-67.	2.7	18
18	Mapping measures of microscopic diffusion anisotropy in human brain white matter in vivo with double-wave-vector diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 773-783.	3.0	45

#	ARTICLE	IF	CITATIONS
19	Simultaneous functional MRI acquisition of distributed brain regions with high temporal resolution using a 2D-selective radiofrequency excitation. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 683-691.	3.0	8
20	Microscopic diffusion anisotropy in the human brain: Reproducibility, normal values, and comparison with the fractional anisotropy. <i>NeuroImage</i> , 2015, 109, 283-297.	4.2	23
21	Spinal Cord Midbrain Functional Connectivity Is Related to Perceived Pain Intensity: A Combined Spino-Cortical fMRI Study. <i>Journal of Neuroscience</i> , 2015, 35, 4248-4257.	3.6	74
22	Intrinsically organized resting state networks in the human spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18067-18072.	7.1	93
23	An investigation of motion correction algorithms for pediatric spinal cord DTI in healthy subjects and patients with spinal cord injury. <i>Magnetic Resonance Imaging</i> , 2014, 32, 433-439.	1.8	30
24	Double-wave-vector diffusion-weighted imaging reveals microscopic diffusion anisotropy in the living human brain. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1072-1082.	3.0	66
25	Functional neuroimaging of inner fields-of-view with 2D-selective RF excitations. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1228-1235.	1.8	17
26	Combined T2*-weighted measurements of the human brain and cervical spinal cord with a dynamic shim update. <i>NeuroImage</i> , 2013, 79, 153-161.	4.2	50
27	Signal scaling improves the signal-to-noise ratio of measurements with segmented 2D-selective radiofrequency excitations. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1491-1499.	3.0	3
28	Diffusion Tensor Imaging of the Normal Pediatric Spinal Cord Using an Inner Field of View Echo-Planar Imaging Sequence. <i>American Journal of Neuroradiology</i> , 2012, 33, 1127-1133.	2.4	40
29	Diffusion Tensor Imaging in Pediatric Spinal Cord Injury. <i>Spine</i> , 2012, 37, E797-E803.	2.0	46
30	Single, slice-specific z-shim gradient pulses improve T2*-weighted imaging of the spinal cord. <i>NeuroImage</i> , 2012, 59, 2307-2315.	4.2	72
31	Hadamard encoding combined with two-dimensional-selective radiofrequency excitations for flexible and efficient acquisitions of multiple voxels in MR spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 976-983.	3.4	1
32	Improving the performance of diffusion-weighted inner field-of-view echo-planar imaging based on 2D-selective radiofrequency excitations by tilting the excitation plane. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 984-992.	3.4	42
33	Eliminating side excitations in PROPELLER-based 2D-selective RF excitations. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1383-1389.	3.0	1
34	Segmented 2D-selective RF excitations with weighted averaging and flip angle adaptation for MR spectroscopy of irregularly shaped voxel. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 333-340.	3.0	7
35	Spatially 2D-selective RF excitations using the PROPELLER trajectory: Basic principles and application to MR spectroscopy of irregularly shaped single voxel. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1218-1225.	3.0	5
36	Detection of microscopic diffusion anisotropy on a whole-body MR system with double wave vector imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1405-1415.	3.0	33

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37	The parallel-antiparallel signal difference in double-wave-vector diffusion-weighted MR at short mixing times: A phase evolution perspective. <i>Journal of Magnetic Resonance</i> , 2011, 208, 114-121.	2.1	11
38	Fast spin-echo imaging of inner fields of view with 2D selective RF excitations. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1530-1537.	3.4	32
39	A tensor model and measures of microscopic anisotropy for double-wave-vector diffusion-weighting experiments with long mixing times. <i>Journal of Magnetic Resonance</i> , 2010, 202, 43-56.	2.1	85
40	Double-wave-vector diffusion-weighting experiments with multiple concatenations at long mixing times. <i>Journal of Magnetic Resonance</i> , 2010, 206, 112-119.	2.1	9
41	Numerical simulations of short-mixing-time double-wave-vector diffusion-weighting experiments with multiple concatenations on whole-body MR systems. <i>Journal of Magnetic Resonance</i> , 2010, 207, 274-282.	2.1	9
42	Double-spin-echo diffusion weighting with a modified eddy current adjustment. <i>Magnetic Resonance Imaging</i> , 2010, 28, 434-440.	1.8	21
43	Direct Evidence for Spinal Cord Involvement in Placebo Analgesia. <i>Science</i> , 2009, 326, 404-404.	12.6	400
44	High-resolution diffusion tensor imaging with inner field of view EPI. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 987-993.	3.4	72
45	Eddy current compensated diffusion weighting with a single refocusing RF pulse. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 748-754.	3.0	45
46	Extension of the double-wave-vector diffusion-weighting experiment to multiple concatenations. <i>Journal of Magnetic Resonance</i> , 2009, 198, 174-182.	2.1	21
47	Generalized MAGSTE with bipolar diffusion-weighting gradient pulses. <i>Journal of Magnetic Resonance</i> , 2009, 199, 214-224.	2.1	2
48	Improved diffusion-weighting efficiency of pulsed gradient stimulated echo MR measurements with background gradient cross-term suppression. <i>Journal of Magnetic Resonance</i> , 2008, 191, 282-290.	2.1	6
49	Cross-term-compensated pulsed-gradient stimulated echo MR with asymmetric gradient pulse lengths. <i>Journal of Magnetic Resonance</i> , 2008, 193, 41-48.	2.1	8
50	A tensor approach to double wave vector diffusion-weighting experiments on restricted diffusion. <i>Journal of Magnetic Resonance</i> , 2008, 195, 23-32.	2.1	31
51	Apparent Diffusion Coefficient, Fractional Anisotropy and T2 Relaxation Time Measurement. <i>Klinische Neuroradiologie</i> , 2007, 17, 230-238.	0.9	8
52	Gradient and stimulated echo (GRASTE) imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 455-459.	3.0	2