Steffen Bollmann

List of Publications by Year in descending order

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32 papers	1,016 citations	623734 14 h-index	501196 28 g-index
43 all docs	43 docs citations	43 times ranked	1872 citing authors

#	Article	IF	Citations
1	The PhysIO Toolbox for Modeling Physiological Noise in fMRI Data. Journal of Neuroscience Methods, 2017, 276, 56-72.	2.5	289
2	Age dependent electroencephalographic changes in attention-deficit/hyperactivity disorder (ADHD). Clinical Neurophysiology, 2014, 125, 1626-1638.	1.5	86
3	DeepQSM - using deep learning to solve the dipole inversion for quantitative susceptibility mapping. NeuroImage, 2019, 195, 373-383.	4.2	84
4	Developmental changes in gamma-aminobutyric acid levels in attention-deficit/hyperactivity disorder. Translational Psychiatry, 2015, 5, e589-e589.	4.8	66
5	Echo timeâ€dependent quantitative susceptibility mapping contains information on tissue properties. Magnetic Resonance in Medicine, 2017, 77, 1946-1958.	3.0	56
6	Coupling Between Resting Cerebral Perfusion and EEG. Brain Topography, 2013, 26, 442-457.	1.8	52
7	Subcortical Glutamate Mediates the Reduction of Short-Range Functional Connectivity with Age in a Developmental Cohort. Journal of Neuroscience, 2015, 35, 8433-8441.	3.6	41
8	Overview of quantitative susceptibility mapping using deep learning: Current status, challenges and opportunities. NMR in Biomedicine, 2022, 35, e4292.	2.8	41
9	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
10	Assessment of microstructural signal compartments across the corpus callosum using multi-echo gradient recalled echo at 7ÂT. NeuroImage, 2018, 182, 407-416.	4.2	26
11	Effects of Steroid Hormones on Sex Differences in Cerebral Perfusion. PLoS ONE, 2015, 10, e0135827.	2.5	23
12	SHARQnet â€“ Sophisticated harmonic artifact reduction in quantitative susceptibility mapping using a deep convolutional neural network. Zeitschrift Fur Medizinische Physik, 2019, 29, 139-149.	1.5	22
13	Deep learning in magnetic resonance image reconstruction. Journal of Medical Imaging and Radiation Oncology, 2021, 65, 564-577.	1.8	22
14	7T GRE-MRI signal compartments are sensitive to dysplastic tissue in focal epilepsy. Magnetic Resonance Imaging, 2019, 61, 1-8.	1.8	18
15	The challenge of biasâ€free coil combination for quantitative susceptibility mapping at ultraâ€high field. Magnetic Resonance in Medicine, 2018, 79, 97-107.	3.0	17
16	Age-dependent and -independent changes in attention-deficit/hyperactivity disorder (ADHD) during spatial working memory performance. World Journal of Biological Psychiatry, 2017, 18, 279-290.	2.6	14
17	Centering inclusivity in the design of online conferencesâ€”An OHBMâ€“Open Science perspective. GigaScience, 2021, 10, .	6.4	14
18	Pulsed arterial spin labelling at ultra-high field with a B 1 + -optimised adiabatic labelling pulse. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 463-473.	2.0	13

#	Article	IF	Citations
19	Non-linear realignment improves hippocampus subfield segmentation reliability. NeuroImage, 2019, 203, 116206.	4.2	13
20	Predicting the retinotopic organization of human visual cortex from anatomy using geometric deep learning. NeuroImage, 2021, 244, 118624.	4.2	13
21	Longitudinal Automatic Segmentation of Hippocampal Subfields (LASHiS) using multi-contrast MRI. NeuroImage, 2020, 218, 116798.	4.2	11
22	Accelerated mapping of magnetic susceptibility using 3D planesâ€onâ€aâ€paddlewheel (POP) EPI at ultraâ€high field strength. NMR in Biomedicine, 2017, 30, e3620.	2.8	10
23	Improving FLAIR SAR efficiency at 7T by adaptive tailoring of adiabatic pulse power through deep learning estimation. Magnetic Resonance in Medicine, 2021, 85, 2462-2476.	3.0	10
24	Deep learningâ€“based quantitative susceptibility mapping (QSM) in the presence of fat using synthetically generated multiâ€echo phase training data. Magnetic Resonance in Medicine, 2022, 88, 1548-1560.	3.0	8
25	Real-Time Clustered Multiple Signal Classification (RTC-MUSIC). Brain Topography, 2018, 31, 125-128.	1.8	7
26	Functional connectivity of the irritative zone identified by electrical source imaging, and EEG-correlated fMRI analyses. NeuroImage: Clinical, 2020, 28, 102440.	2.7	6
27	MRI phase offset correction method impacts quantitative susceptibility mapping. Magnetic Resonance Imaging, 2020, 74, 139-151.	1.8	4
28	A GPU-accelerated Performance Optimized RAP-MUSIC Algorithm for Real-Time Source Localization. Biomedizinische Technik, 2012, 57, .	0.8	2
29	Towards Optimising MRI Characterisation of Tissue (TOMCAT) Dataset including all Longitudinal Automatic Segmentation of Hippocampal Subfields (LASHiS) data. Data in Brief, 2020, 32, 106043.	1.0	2
30	Influence of 7T GRE-MRI Signal Compartment Model Choice on Tissue Parameters. Frontiers in Neuroscience, 2020, 14, 271.	2.8	2
31	Predicting the functional organization of human visual cortex from anatomy using geometric deep learning. Journal of Vision, 2020, 20, 928.	0.3	1
32	Efficient modelling of permanent magnet field distribution for deep learning applications. Journal of Magnetism and Magnetic Materials, 2022, 559, 169521.	2.3	1