

Maximilian Pietsch

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,067
citations

840119

11
h-index

887659

17
g-index

26
all docs

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docs citations

26
times ranked

2905
citing authors

#	ARTICLE	IF	CITATIONS
1	MRtrix3: A fast, flexible and open software framework for medical image processing and visualisation. <i>NeuroImage</i> , 2019, 202, 116137.	2.1	1,555
2	Development of human white matter pathways in utero over the second and third trimester. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	55
3	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. <i>NeuroImage</i> , 2020, 221, 117128.	2.1	54
4	Heterogeneity in Brain Microstructural Development Following Preterm Birth. <i>Cerebral Cortex</i> , 2020, 30, 4800-4810.	1.6	54
5	A framework for multi-component analysis of diffusion MRI data over the neonatal period. <i>NeuroImage</i> , 2019, 186, 321-337.	2.1	47
6	Scattered slice SHARD reconstruction for motion correction in multi-shell diffusion MRI. <i>NeuroImage</i> , 2021, 225, 117437.	2.1	44
7	Development of Microstructural and Morphological Cortical Profiles in the Neonatal Brain. <i>Cerebral Cortex</i> , 2020, 30, 5767-5779.	1.6	42
8	Preterm birth alters the development of cortical microstructure and morphology at term-equivalent age. <i>NeuroImage</i> , 2021, 243, 118488.	2.1	40
9	Fixel-based analysis of the preterm brain: Disentangling bundle-specific white matter microstructural and macrostructural changes in relation to clinical risk factors. <i>NeuroImage: Clinical</i> , 2019, 23, 101820.	1.4	27
10	Assessment of radial glia in the frontal lobe of fetuses with Down syndrome. <i>Acta Neuropathologica Communications</i> , 2020, 8, 141.	2.4	17
11	T2* placental MRI in pregnancies complicated with fetal congenital heart disease. <i>Placenta</i> , 2021, 108, 23-31.	0.7	16
12	Reduced structural connectivity in cortico-striatal-thalamic network in neonates with congenital heart disease. <i>NeuroImage: Clinical</i> , 2020, 28, 102423.	1.4	14
13	APPLAUSE: Automatic Prediction of PLAcental health via U-net Segmentation and statistical Evaluation. <i>Medical Image Analysis</i> , 2021, 72, 102145.	7.0	13
14	Neonatal multi-modal cortical profiles predict 18-month developmental outcomes. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101103.	1.9	11
15	Predicting age and clinical risk from the neonatal connectome. <i>NeuroImage</i> , 2022, 257, 119319.	2.1	11
16	T2* relaxometry to characterize normal placental development over gestation in-vivo at 3T. <i>Wellcome Open Research</i> , 0, 4, 166.	0.9	10
17	Multi-Channel 4D Parametrized Atlas of Macro- and Microstructural Neonatal Brain Development. <i>Frontiers in Neuroscience</i> , 2021, 15, 661704.	1.4	8
18	dStripe: Slice artefact correction in diffusion MRI via constrained neural network. <i>Medical Image Analysis</i> , 2021, 74, 102255.	7.0	3