

Antonios Makropoulos

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,879
citations

331538

21
h-index

454834

30
g-index

41
all docs

41
docs citations

41
times ranked

3392
citing authors

#	ARTICLE	IF	CITATIONS
1	Neonatal multi-modal cortical profiles predict 18-month developmental outcomes. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101103.	1.9	11
2	The Developing Human Connectome Project Neonatal Data Release. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	42
3	CAS-Net: Conditional Atlas Generation and Brain Segmentation for Fetal MRI. <i>Lecture Notes in Computer Science</i> , 2021, , 221-230.	1.0	2
4	Phenotyping the Preterm Brain: Characterizing Individual Deviations From Normative Volumetric Development in Two Large Infant Cohorts. <i>Cerebral Cortex</i> , 2021, 31, 3665-3677.	1.6	19
5	Preterm birth alters the development of cortical microstructure and morphology at term-equivalent age. <i>NeuroImage</i> , 2021, 243, 118488.	2.1	40
6	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. <i>NeuroImage</i> , 2020, 223, 117303.	2.1	81
7	Parental age effects on neonatal white matter development. <i>NeuroImage: Clinical</i> , 2020, 27, 102283.	1.4	12
8	Development of Microstructural and Morphological Cortical Profiles in the Neonatal Brain. <i>Cerebral Cortex</i> , 2020, 30, 5767-5779.	1.6	42
9	Modelling brain development to detect white matter injury in term and preterm born neonates. <i>Brain</i> , 2020, 143, 467-479.	3.7	44
10	Increase in Brain Volumes after Implementation of a Nutrition Regimen in Infants Born Extremely Preterm. <i>Journal of Pediatrics</i> , 2020, 223, 57-63.e5.	0.9	17
11	Cortical morphology at birth reflects spatiotemporal patterns of gene expression in the fetal human brain. <i>PLoS Biology</i> , 2020, 18, e3000976.	2.6	38
12	Geometric Deep Learning for Post-Menstrual Age Prediction Based on the Neonatal White Matter Cortical Surface. <i>Lecture Notes in Computer Science</i> , 2020, , 174-186.	1.0	5
13	Different patterns of cortical maturation before and after 38 weeks gestational age demonstrated by diffusion MRI in vivo. <i>NeuroImage</i> , 2019, 185, 764-775.	2.1	73
14	Automated processing pipeline for neonatal diffusion MRI in the developing Human Connectome Project. <i>NeuroImage</i> , 2019, 185, 750-763.	2.1	127
15	Abnormal Microstructural Development of the Cerebral Cortex in Neonates With Congenital Heart Disease Is Associated With Impaired Cerebral Oxygen Delivery. <i>Journal of the American Heart Association</i> , 2019, 8, e009893.	1.6	48
16	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. <i>NeuroImage</i> , 2018, 173, 88-112.	2.1	315
17	Human brain mapping: A systematic comparison of parcellation methods for the human cerebral cortex. <i>NeuroImage</i> , 2018, 170, 5-30.	2.1	280
18	A review on automatic fetal and neonatal brain MRI segmentation. <i>NeuroImage</i> , 2018, 170, 231-248.	2.1	143

#	ARTICLE	IF	CITATIONS
19	Multimodal surface matching with higher-order smoothness constraints. <i>NeuroImage</i> , 2018, 167, 453-465.	2.1	219
20	Construction of a neonatal cortical surface atlas using Multimodal Surface Matching in the Developing Human Connectome Project. <i>NeuroImage</i> , 2018, 179, 11-29.	2.1	83
21	Impaired development of the cerebral cortex in infants with congenital heart disease is correlated to reduced cerebral oxygen delivery. <i>Scientific Reports</i> , 2017, 7, 15088.	1.6	60
22	A deformable model for the reconstruction of the neonatal cortex. , 2017, , .		29
23	Reproducible Large-Scale Neuroimaging Studies with the OpenMOLE Workflow Management System. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 21.	1.3	5
24	Longitudinal Regional Brain Development and Clinical Risk Factors in Extremely Preterm Infants. <i>Journal of Pediatrics</i> , 2016, 178, 93-100.e6.	0.9	42
25	Regional growth and atlasing of the developing human brain. <i>NeuroImage</i> , 2016, 125, 456-478.	2.1	167
26	Robust whole-brain segmentation: Application to traumatic brain injury. <i>Medical Image Analysis</i> , 2015, 21, 40-58.	7.0	146
27	Corticospinal Tract Injury Precedes Thalamic Volume Reduction in Preterm Infants with Cystic Periventricular Leukomalacia. <i>Journal of Pediatrics</i> , 2015, 167, 260-268.e3.	0.9	22
28	Specialization and integration of functional thalamocortical connectivity in the human infant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6485-6490.	3.3	130
29	Evaluation of automatic neonatal brain segmentation algorithms: The NeoBrainS12 challenge. <i>Medical Image Analysis</i> , 2015, 20, 135-151.	7.0	85
30	Automatic Whole Brain MRI Segmentation of the Developing Neonatal Brain. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1818-1831.	5.4	296
31	Resting State fMRI in the moving fetus: A robust framework for motion, bias field and spin history correction. <i>NeuroImage</i> , 2014, 101, 555-568.	2.1	60