Caitlin K Rollins

List of Publications by Year
in descending order

34 papers	1,156 citations	18 h-index 430442	31 g-index 433756
34 all docs	34 docs citations	34 times ranked	995 citing authors

#	Article	IF	Citations
1	Abnormal development of transient fetal zones in mild isolated fetal ventriculomegaly. Cerebral Cortex, 2023, 33, 1130-1139.	1.6	9
2	Fetal Brain Volume Predicts Neurodevelopment in Congenital Heart Disease. Circulation, 2022, 145, 1108-1119.	1.6	56
3	Neurodevelopmental and Mental Health Outcomes in Patients With Fontan Circulation: A State-of-the-Art Review. Frontiers in Pediatrics, 2022, 10, 826349.	0.9	8
4	Neurological features in infants with congenital heart disease. Developmental Medicine and Child Neurology, 2022, 64, 762-770.	1.1	8
5	Regional Brain Growth Trajectories in Fetuses with Congenital Heart Disease. Annals of Neurology, 2021, 89, 143-157.	2.8	49
6	Tractography of the Cerebellar Peduncles in Second- and Third-Trimester Fetuses. American Journal of Neuroradiology, 2021, 42, 194-200.	1.2	4
7	A Deep Attentive Convolutional Neural Network for Automatic Cortical Plate Segmentation in Fetal MRI. IEEE Transactions on Medical Imaging, 2021, 40, 1123-1133.	5.4	37
8	Association between Quantitative MR Markers of Cortical Evolving Organization and Gene Expression during Human Prenatal Brain Development. Cerebral Cortex, 2021, 31, 3610-3621.	1.6	11
9	Abnormal Right-Hemispheric Sulcal Patterns Correlate with Executive Function in Adolescents with Tetralogy of Fallot. Cerebral Cortex, 2021, 31, 4670-4680.	1.6	4
10	Optimal Method for Fetal Brain Age Prediction Using Multiplanar Slices From Structural Magnetic Resonance Imaging. Frontiers in Neuroscience, 2021, 15, 714252.	1.4	9
11	Quantitative In vivo MRI Assessment of Structural Asymmetries and Sexual Dimorphism of Transient Fetal Compartments in the Human Brain. Cerebral Cortex, 2020, 30, 1752-1767.	1.6	40
12	Association of Isolated Congenital Heart Disease with Fetal Brain Maturation. American Journal of Neuroradiology, 2020, 41, 1525-1531.	1.2	22
13	Neurodevelopmental evaluation for school-age children with congenital heart disease: recommendations from the cardiac neurodevelopmental outcome collaborative. Cardiology in the Young, 2020, 30, 1623-1636.	0.4	46
14	Fetal Cortical Plate Segmentation Using Fully Convolutional Networks With Multiple Plane Aggregation. Frontiers in Neuroscience, 2020, 14, 591683.	1.4	15
15	Neurodevelopmental evaluation strategies for children with congenital heart disease aged birth through 5 years: recommendations from the cardiac neurodevelopmental outcome collaborative. Cardiology in the Young, 2020, 30, 1609-1622.	0.4	60
16	In vivo characterization of emerging white matter microstructure in the fetal brain in the third trimester. Human Brain Mapping, 2020, 41, 3177-3185.	1.9	28
17	Spatiotemporal Differences in the Regional Cortical Plate and Subplate Volume Growth during Fetal Development. Cerebral Cortex, 2020, 30, 4438-4453.	1.6	22
18	Temporal Patterns of Emergence and Spatial Distribution of Sulcal Pits During Fetal Life. Cerebral Cortex, 2020, 30, 4257-4268.	1.6	13

#	Article	IF	Citations
19	In vivo characterization of emerging white matter microstructure in the fetal brain in the third trimester. , 2020, 41, 3177.		4
20	Correction of d-Transposition of the Great Arteries Sooner Rather Than Later. Circulation, 2019, 139, 2739-2741.	1.6	4
21	Early Neurodevelopmental Outcomes in Children Supported with ECMO for Cardiac Indications. Pediatric Cardiology, 2019, 40, 1072-1083.	0.6	24
22	Fetal brain growth portrayed by a spatiotemporal diffusion tensor MRI atlas computed from in utero images. NeuroImage, 2019, 185, 593-608.	2.1	81
23	Automatic labeling of cortical sulci for the human fetal brain based on spatio-temporal information of gyrification. NeuroImage, 2019, 188, 473-482.	2.1	17
24	Early-Emerging Sulcal Patterns Are Atypical in Fetuses with Congenital Heart Disease. Cerebral Cortex, 2019, 29, 3605-3616.	1.6	40
25	Disorganized Patterns of Sulcal Position in Fetal Brains with Agenesis of Corpus Callosum. Cerebral Cortex, 2018, 28, 3192-3203.	1.6	30
26	Ascending Aorta Size at Birth Predicts White Matter Microstructure in Adolescents Who Underwent Fontan Palliation. Journal of the American Heart Association, 2018, 7, e010395.	1.6	12
27	Tract-Specific Group Analysis in Fetal Cohorts Using in utero Diffusion Tensor Imaging. Lecture Notes in Computer Science, 2018, 11072, 28-35.	1.0	3
28	Temporal slice registration and robust diffusion-tensor reconstruction for improved fetal brain structural connectivity analysis. NeuroImage, 2017, 156, 475-488.	2.1	54
29	Quantitative Folding Pattern Analysis of Early Primary Sulci in Human Fetuses with Brain Abnormalities. American Journal of Neuroradiology, 2017, 38, 1449-1455.	1.2	31
30	A normative spatiotemporal MRI atlas of the fetal brain for automatic segmentation and analysis of early brain growth. Scientific Reports, 2017, 7, 476.	1.6	217
31	White Matter Volume Predicts Language Development in Congenital Heart Disease. Journal of Pediatrics, 2017, 181, 42-48.e2.	0.9	52
32	A mixed bag: Differential influences of oxygenation and perfusion on brain development in congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 960-961.	0.4	4
33	Neurodevelopmental Outcomes in Congenital Heart Disease. Circulation, 2014, 130, e124-6.	1.6	27
34	White Matter Microstructure and Cognition in Adolescents with CongenitalÂHeart Disease. Journal of Pediatrics, 2014, 165, 936-944.e2.	0.9	115