

# Martin A Styner

## List of Publications by Year in descending order

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433  
papers

20,445  
citations

8732

75  
h-index

15218

126  
g-index

452  
all docs

452  
docs citations

452  
times ranked

22035  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Prospective Evaluation of Infant Cerebellar-Cerebral Functional Connectivity in Relation to Behavioral Development in Autism Spectrum Disorder. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 149-161.	1.0	3
2	Differential Role for Hippocampal Subfields in Alzheimer's Disease Progression Revealed with Deep Learning. <i>Cerebral Cortex</i> , 2022, 32, 467-478.	1.6	18
3	Hemispheric Cortical, Cerebellar and Caudate Atrophy Associated to Cognitive Impairment in Metropolitan Mexico City Young Adults Exposed to Fine Particulate Matter Air Pollution. <i>Toxics</i> , 2022, 10, 156.	1.6	11
4	Subcortical Brain Development in Autism and Fragile X Syndrome: Evidence for Dynamic, Age- and Disorder-Specific Trajectories in Infancy. <i>American Journal of Psychiatry</i> , 2022, 179, 562-572.	4.0	28
5	Diffusion Tensor Based White Matter Tract Atlases for Pediatric Populations. <i>Frontiers in Neuroscience</i> , 2022, 16, 806268.	1.4	6
6	CONTINUITY: CONnectivity Tool with INtegration of sUb cortical regions, regIstration and visualization of TractographY. , 2022, , .		0
7	Characterizing the propagation pathway of neuropathological events of Alzheimer's disease using harmonic wavelet analysis. <i>Medical Image Analysis</i> , 2022, 79, 102446.	7.0	2
8	Cerebellar Volumes and Sensorimotor Behavior in Autism Spectrum Disorder. <i>Frontiers in Integrative Neuroscience</i> , 2022, 16, 821109.	1.0	4
9	Relationship of Striatal Presynaptic Dopamine to Midbrain Neuromelanin in a Nonhuman Primate Model of Maternal Immune Activation. <i>Biological Psychiatry</i> , 2022, 91, S60-S61.	0.7	0
10	Infant Visual Brain Development and Inherited Genetic Liability in Autism. <i>American Journal of Psychiatry</i> , 2022, 179, 573-585.	4.0	14
11	TwinEQTl: ultrafast and powerful association analysis for eQTL and GWAS in twin studies. <i>Genetics</i> , 2022, 221, .	1.2	0
12	Impact of gonadectomy on maturational changes in brain volume in adolescent macaques. <i>Psychoneuroendocrinology</i> , 2021, 124, 105068.	1.3	1
13	Learning Common Harmonic Waves on Stiefel Manifold " A New Mathematical Approach for Brain Network Analyses. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 419-430.	5.4	14
14	Discovering Spreading Pathways of Neuropathological Events in Alzheimer's Disease Using Harmonic Wavelets. <i>Lecture Notes in Computer Science</i> , 2021, , 228-240.	1.0	1
15	Web infrastructure for data management, storage and computation. , 2021, 11600, .		5
16	Extra axial cerebrospinal fluid volume and a diagnosis of Alzheimer's disease. , 2021, , .		0
17	FlyBy CNN: a 3D surface segmentation framework. , 2021, 11596, .		6
18	Infantile Iron Deficiency Affects Brain Development in Monkeys Even After Treatment of Anemia. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 624107.	1.0	9

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19	Placental genomic risk scores and early neurodevelopmental outcomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
20	<i>DCC</i> gene network in the prefrontal cortex is associated with total brain volume in childhood. Journal of Psychiatry and Neuroscience, 2021, 46, E154-E163.	1.4	8
21	Robust Cortical Thickness Morphometry of Neonatal Brain and Systematic Evaluation Using Multi-Site MRI Datasets. Frontiers in Neuroscience, 2021, 15, 650082.	1.4	10
22	Structural development of cortical lobes during the first 6 months of life in infant macaques. Developmental Cognitive Neuroscience, 2021, 48, 100906.	1.9	8
23	A Critical Proton MR Spectroscopy Marker of Alzheimer's Disease Early Neurodegenerative Change: Low Hippocampal NAA/Cr Ratio Impacts APOE $\epsilon$ 4 Mexico City Children and Their Parents. Advances in Alzheimer's Disease, 2021, , .	0.2	0
24	General anaesthesia during infancy reduces white matter micro-organisation in developing rhesus monkeys. British Journal of Anaesthesia, 2021, 126, 845-853.	1.5	17
25	Proteobacteria abundance during nursing predicts physical growth and brain volume at one year of age in young rhesus monkeys. FASEB Journal, 2021, 35, e21682.	0.2	8
26	Clinical decision support systems in orthodontics: A narrative review of data science approaches. Orthodontics and Craniofacial Research, 2021, 24, 26-36.	1.2	16
27	Maternal Immune Activation in Macaques Associated With Alterations in Functional Brain Connectivity. Biological Psychiatry, 2021, 89, S174-S175.	0.7	0
28	The White Matter Connectome as an Early Imaging Biomarker. Biological Psychiatry, 2021, 89, S30.	0.7	1
29	Long-Term Structural Effects of Early Life Stress on Reward and Emotion Regulation Neurocircuitry in Adolescence. Biological Psychiatry, 2021, 89, S275-S276.	0.7	0
30	Infant gut microbiome composition is associated with non-social fear behavior in a pilot study. Nature Communications, 2021, 12, 3294.	5.8	36
31	Genetic Influences on Longitudinal Trajectories of Cortical Thickness and Surface Area during the First 2 Years of Life. Cerebral Cortex, 2021, , .	1.6	3
32	Longitudinal Prediction of Infant MR Images With Multi-Contrast Perceptual Adversarial Learning. Frontiers in Neuroscience, 2021, 15, 653213.	1.4	4
33	Joint hub identification for brain networks by multivariate graph inference. Medical Image Analysis, 2021, 73, 102162.	7.0	4
34	Prospective association of maternal psychosocial stress in pregnancy with newborn hippocampal volume and implications for infant social-emotional development. Neurobiology of Stress, 2021, 15, 100368.	1.9	22
35	Group-wise Hub Identification by Learning Common Graph Embeddings on Grassmannian Manifold. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	0
36	A voxel-wise assessment of growth differences in infants developing autism spectrum disorder. NeuroImage: Clinical, 2021, 29, 102551.	1.4	8

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37	Merging and Annotating Teeth and Roots from Automated Segmentation of Multimodal Images. Lecture Notes in Computer Science, 2021, , 81-92.	1.0	4
38	Maternal Immune Activation during Pregnancy Alters Postnatal Brain Growth and Cognitive Development in Nonhuman Primate Offspring. Journal of Neuroscience, 2021, 41, 9971-9987.	1.7	29
39	Automatic Segmentation of Mandibular Ramus and Condyles. , 2021, 2021, 2952-2955.		5
40	Exercise Increases Bone in SEIPIN Deficient Lipodystrophy, Despite Low Marrow Adiposity. Frontiers in Endocrinology, 2021, 12, 782194.	1.5	2
41	Subtyping of mild cognitive impairment using a deep learning model based on brain atrophy patterns. Cell Reports Medicine, 2021, 2, 100467.	3.3	15
42	Automatic Segmentation of Dental Root Canal and Merging with Crown Shape. , 2021, 2021, 2948-2951.		4
43	Influence of Gonadal Steroids on Cortical Surface Area in Infancy. Cerebral Cortex, 2021, , .	1.6	2
44	Exposure to prenatal maternal distress and infant white matter neurodevelopment. Development and Psychopathology, 2021, 33, 1526-1538.	1.4	16
45	Exercise Degrades Bone in Caloric Restriction, Despite Suppression of Marrow Adipose Tissue (MAT). Journal of Bone and Mineral Research, 2020, 35, 106-115.	3.1	23
46	Cortical Structure and Cognition in Infants and Toddlers. Cerebral Cortex, 2020, 30, 786-800.	1.6	25
47	T33. NEUROIMMUNE MECHANISMS OF PSYCHIATRIC DISORDERS: LONGITUDINAL EVALUATION OF DIFFUSION MEASURES OF EXTRACELLULAR FREE WATER IN A NON-HUMAN PRIMATE MODEL OF MATERNAL IMMUNE ACTIVATION. Schizophrenia Bulletin, 2020, 46, S244-S244.	2.3	1
48	M179. ALTERNATED BRAIN AND BEHAVIORAL DEVELOPMENT IN A NONHUMAN PRIMATE MODEL OF MATERNAL IMMUNE ACTIVATION. Schizophrenia Bulletin, 2020, 46, S204-S204.	2.3	0
49	Lexical-semantic search related to side of onset and putamen volume in Parkinson's disease. Brain and Language, 2020, 209, 104841.	0.8	2
50	Individual Variation of Human Cortical Structure Is Established in the First Year of Life. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 971-980.	1.1	11
51	Amygdala Development in Early Childhood: Individual Differences and Associations With Anxiety at Age 4. Biological Psychiatry, 2020, 87, S123-S124.	0.7	0
52	A Novel Method for High-Dimensional Anatomical Mapping of Extra-Axial Cerebrospinal Fluid: Application to the Infant Brain. Frontiers in Neuroscience, 2020, 14, 561556.	1.4	2
53	Neonatal brain volume as a marker of differential susceptibility to parenting quality and its association with neurodevelopment across early childhood. Developmental Cognitive Neuroscience, 2020, 45, 100826.	1.9	9
54	Altered Brain Structure in Infants with Turner Syndrome. Cerebral Cortex, 2020, 30, 587-596.	1.6	15

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55	Osteoarthritis of the Temporomandibular Joint can be diagnosed earlier using biomarkers and machine learning. <i>Scientific Reports</i> , 2020, 10, 8012.	1.6	71
56	Sleep Onset Problems and Subcortical Development in Infants Later Diagnosed With Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2020, 177, 518-525.	4.0	52
57	A 3D Fully Convolutional Neural Network With Top-Down Attention-Guided Refinement for Accurate and Robust Automatic Segmentation of Amygdala and Its Subnuclei. <i>Frontiers in Neuroscience</i> , 2020, 14, 260.	1.4	9
58	Characterizing the Propagation Pattern of Neurodegeneration in Alzheimer's Disease by Longitudinal Network Analysis. , 2020, 2020, 292-295.		5
59	White Matter Development from Birth to 6 Years of Age: A Longitudinal Study. <i>Cerebral Cortex</i> , 2020, 30, 6152-6168.	1.6	20
60	Personalized connectome fingerprints: Their importance in cognition from childhood to adult years. <i>NeuroImage</i> , 2020, 221, 117122.	2.1	7
61	Neonatal hippocampal volume moderates the effects of early postnatal enrichment on cognitive development. <i>Developmental Cognitive Neuroscience</i> , 2020, 45, 100820.	1.9	12
62	Longitudinal change in autonomic symptoms predicts activities of daily living and depression in Parkinson's disease. <i>Clinical Autonomic Research</i> , 2020, 30, 223-230.	1.4	16
63	Sex differences associated with corpus callosum development in human infants: A longitudinal multimodal imaging study. <i>NeuroImage</i> , 2020, 215, 116821.	2.1	14
64	3D Slicer Craniomaxillofacial Modules Support Patient-Specific Decision-Making for Personalized Healthcare in Dental Research. <i>Lecture Notes in Computer Science</i> , 2020, 12445, 44-53.	1.0	8
65	Patient Specific Classification of Dental Root Canal and Crown Shape. <i>Lecture Notes in Computer Science</i> , 2020, 12474, 145-153.	1.0	9
66	Developmental outcomes of early adverse care on amygdala functional connectivity in nonhuman primates. <i>Development and Psychopathology</i> , 2020, 32, 1579-1596.	1.4	20
67	Long-term alterations in brain and behavior after postnatal Zika virus infection in infant macaques. <i>Nature Communications</i> , 2020, 11, 2534.	5.8	38
68	Alternated Neurodevelopment and Immune Function a Nonhuman Primate Model of Maternal Immune Activation. <i>Biological Psychiatry</i> , 2020, 87, S251.	0.7	0
69	Extra-axial Cerebrospinal Fluid Relationships to Infant Brain Structure, Cognitive Development, and Risk for Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 651-659.	1.1	9
70	Multi-modal Perceptual Adversarial Learning for Longitudinal Prediction of Infant MR Images. <i>Lecture Notes in Computer Science</i> , 2020, , 284-294.	1.0	1
71	Hierarchical Geodesic Modeling on the Diffusion Orientation Distribution Function for Longitudinal DW-MRI Analysis. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 311-321.	1.0	0
72	A Framework to Construct a Longitudinal DW-MRI Infant Atlas Based on Mixed Effects Modeling of dODF Coefficients. <i>Mathematics and Visualization</i> , 2020, 2020, 149-159.	0.4	2

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73	Automatic measurement of extra-axial CSF from infant MRI data. , 2020, 11317, .		1
74	Maternal Cortisol Concentrations During Pregnancy and Sex-Specific Associations With Neonatal Amygdala Connectivity and Emerging Internalizing Behaviors. <i>Biological Psychiatry</i> , 2019, 85, 172-181.	0.7	135
75	Minimally Invasive Approach for Diagnosing TMJ Osteoarthritis. <i>Journal of Dental Research</i> , 2019, 98, 1103-1111.	2.5	45
76	Hierarchical spherical deformation for cortical surface registration. <i>Medical Image Analysis</i> , 2019, 57, 72-88.	7.0	27
77	O53. Maternal Immune Activation Induced Structural Brain Alterations in Macaques: A Longitudinal Study. <i>Biological Psychiatry</i> , 2019, 85, S127.	0.7	0
78	O2.6. A TWO-YEAR LONGITUDINAL EVALUATION OF DIFFUSION MEASURES OF EXTRACELLULAR FREE WATER IN A NON-HUMAN PRIMATE MODEL OF MATERNAL IMMUNE ACTIVATION – EXPLORING NEUROIMMUNE MECHANISMS OF PSYCHIATRIC DISORDERS. <i>Schizophrenia Bulletin</i> , 2019, 45, S164-S165.	2.3	0
79	Individual differences in neonatal white matter are associated with executive function at 3 years of age. <i>Brain Structure and Function</i> , 2019, 224, 3159-3169.	1.2	9
80	T43. Early Emerging Regulatory Behavior Mediates Association Between Newborn Brain Connectivity and Subsequent Internalizing Symptoms. <i>Biological Psychiatry</i> , 2019, 85, S145.	0.7	0
81	T60. The Longitudinal Study of Anesthesia Effects on White Matter Development. <i>Biological Psychiatry</i> , 2019, 85, S151-S152.	0.7	0
82	Role of deep learning in infant brain MRI analysis. <i>Magnetic Resonance Imaging</i> , 2019, 64, 171-189.	1.0	48
83	White matter development in infants at risk for schizophrenia. <i>Schizophrenia Research</i> , 2019, 210, 107-114.	1.1	8
84	3D superimposition of craniofacial imaging – The utility of multicentre collaborations. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 213-220.	1.2	19
85	White matter connectomes at birth accurately predict cognitive abilities at age 2. <i>NeuroImage</i> , 2019, 192, 145-155.	2.1	47
86	Disentangling the effects of early caregiving experience and heritable factors on brain white matter development in rhesus monkeys. <i>NeuroImage</i> , 2019, 197, 625-642.	2.1	19
87	Transgenic rhesus monkeys carrying the human <i>MCPH1</i> gene copies show human-like neoteny of brain development. <i>National Science Review</i> , 2019, 6, 480-493.	4.6	52
88	F46. Increased Extra-Axial Cerebrospinal Fluid is Associated With Decreased Cortical Thickness and Delayed Motor Development in Early Childhood. <i>Biological Psychiatry</i> , 2019, 85, S230.	0.7	0
89	Neonatal White Matter Maturation Is Associated With Infant Language Development. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 434.	1.0	15
90	F50. Individual Variation of Cortical Morphology at Age 6 is Established in the First Year of Life. <i>Biological Psychiatry</i> , 2019, 85, S231-S232.	0.7	0

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91	Association of Prenatal Maternal Depression and Anxiety Symptoms With Infant White Matter Microstructure. <i>Obstetrical and Gynecological Survey</i> , 2019, 74, 138-139.	0.2	0
92	Gut microbiome and brain functional connectivity in infants-a preliminary study focusing on the amygdala. <i>Psychopharmacology</i> , 2019, 236, 1641-1651.	1.5	91
93	Newborn amygdala connectivity and early emerging fear. <i>Developmental Cognitive Neuroscience</i> , 2019, 37, 100604.	1.9	39
94	White matter microstructural development and cognitive ability in the first 2 years of life. <i>Human Brain Mapping</i> , 2019, 40, 1195-1210.	1.9	44
95	Quantitative tract-based white matter heritability in 1 and 2 year old twins. <i>Human Brain Mapping</i> , 2019, 40, 1164-1173.	1.9	10
96	Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 50-61.	1.1	53
97	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019, 185, 891-905.	2.1	234
98	Environmental Influences on Infant Cortical Thickness and Surface Area. <i>Cerebral Cortex</i> , 2019, 29, 1139-1149.	1.6	60
99	Maternal Interleukin-6 concentration during pregnancy is associated with variation in frontolimbic white matter and cognitive development in early life. <i>NeuroImage</i> , 2019, 185, 825-835.	2.1	150
100	Shape variation analyzer: a classifier for temporomandibular joint damaged by osteoarthritis. , 2019, 10950, .		9
101	Constructing Consistent Longitudinal Brain Networks by Group-Wise Graph Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 654-662.	1.0	2
102	Harmonization and Targeted Feature Dropout for Generalized Segmentation: Application to Multi-site Traumatic Brain Injury Images. <i>Lecture Notes in Computer Science</i> , 2019, , 81-89.	1.0	4
103	Joint Identification of Network Hub Nodes by Multivariate Graph Inference. <i>Lecture Notes in Computer Science</i> , 2019, , 590-598.	1.0	0
104	Semi-supervised VAE-GAN for Out-of-Sample Detection Applied to MRI Quality Control. <i>Lecture Notes in Computer Science</i> , 2019, , 127-136.	1.0	5
105	Hierarchical Multi-geodesic Model for Longitudinal Analysis of Temporal Trajectories of Anatomical Shape and Covariates. <i>Lecture Notes in Computer Science</i> , 2019, , 57-65.	1.0	5
106	Spatiotemporal Modeling for Image Time Series with Appearance Change: Application to Early Brain Development. <i>Lecture Notes in Computer Science</i> , 2019, , 174-185.	1.0	2
107	Model selection for spatiotemporal modeling of early childhood sub-cortical development. , 2019, 10949, .		1
108	Multiseg pipeline: automatic tissue segmentation of brain MR images with subject-specific atlases. , 2019, 10953, .		0

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109	Conformal initialization for shape analysis applications in SALT. , 2019, 10953, .		0
110	A web-based system for statistical shape analysis in temporomandibular joint osteoarthritis. , 2019, 10953, .		3
111	Development of White Matter Circuitry in Infants With Fragile X Syndrome. JAMA Psychiatry, 2018, 75, 505.	6.0	35
112	Postnatal Zika virus infection is associated with persistent abnormalities in brain structure, function, and behavior in infant macaques. Science Translational Medicine, 2018, 10, .	5.8	75
113	TRACE: A Topological Graph Representation for Automatic Sulcal Curve Extraction. IEEE Transactions on Medical Imaging, 2018, 37, 1653-1663.	5.4	20
114	A deep neural network to assess spontaneous pain from mouse facial expressions. Molecular Pain, 2018, 14, 174480691876365.	1.0	102
115	Walking, Gross Motor Development, and Brain Functional Connectivity in Infants and Toddlers. Cerebral Cortex, 2018, 28, 750-763.	1.6	65
116	Maternal Systemic Interleukin-6 During Pregnancy Is Associated With Newborn Amygdala Phenotypes and Subsequent Behavior at 2 Years of Age. Biological Psychiatry, 2018, 83, 109-119.	0.7	213
117	Infant Gut Microbiome Associated With Cognitive Development. Biological Psychiatry, 2018, 83, 148-159.	0.7	362
118	Intergenerational Effect of Maternal Exposure to Childhood Maltreatment on Newborn Brain Anatomy. Biological Psychiatry, 2018, 83, 120-127.	0.7	138
119	Skeletal Shape Correspondence Through Entropy. IEEE Transactions on Medical Imaging, 2018, 37, 1-11.	5.4	28
120	Computational Texture Features and Mechanical Anisotropy Reflect Structure and Composition of Dystrophic Canine Skeletal Muscle. , 2018, , .		0
121	SlicerSALT: Shape AnaLysis Toolbox. Lecture Notes in Computer Science, 2018, 11167, 65-72.	1.0	20
122	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. Scientific Reports, 2018, 8, 13650.	1.6	171
123	240. Extracellular Free Water and Glutathione in First Episode Schizophrenia and a Non-Human Primate Model of Maternal Immune Activation – Exploring Neuroimmune Mechanisms of Psychiatric Disorders. Biological Psychiatry, 2018, 83, S97.	0.7	0
124	Hierarchical Spherical Deformation for Shape Correspondence. Lecture Notes in Computer Science, 2018, 11070, 853-861.	1.0	0
125	Non-Euclidean, convolutional learning on cortical brain surfaces. , 2018, 2018, 527-530.		3
126	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2018, 67, 45-54.	3.5	43



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127	A cortical shape-adaptive approach to local gyrification index. <i>Medical Image Analysis</i> , 2018, 48, 244-258.	7.0	28
128	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018, 39, 4998-5013.	1.9	43
129	193. Sex Specific Effects of Maternal Cortisol Concentrations During Pregnancy on the Functional Connectivity of the Newborn Limbic System. <i>Biological Psychiatry</i> , 2018, 83, S77-S78.	0.7	1
130	Association of Prenatal Maternal Depression and Anxiety Symptoms With Infant White Matter Microstructure. <i>JAMA Pediatrics</i> , 2018, 172, 973.	3.3	93
131	Exploratory Population Analysis with Unbalanced Optimal Transport. <i>Lecture Notes in Computer Science</i> , 2018, 11072, 464-472.	1.0	4
132	Group-wise shape correspondence of variable and complex objects. , 2018, 10574, .		1
133	TRAFIC: fiber tract classification using deep learning. , 2018, 10574, .		14
134	SVA: shape variation analyzer. , 2018, 10578, .		3
135	A novel framework for the local extraction of extra-axial cerebrospinal fluid from MR brain images. , 2018, 10574, .		2
136	Impact of Demographic and Obstetric Factors on Infant Brain Volumes: A Population Neuroscience Study. <i>Cerebral Cortex</i> , 2017, 27, 5616-5625.	1.6	50
137	Splenium development and early spoken language in human infants. <i>Developmental Science</i> , 2017, 20, e12360.	1.3	36
138	Maternal buffering beyond glucocorticoids: impact of early life stress on corticolimbic circuits that control infant responses to novelty. <i>Social Neuroscience</i> , 2017, 12, 50-64.	0.7	35
139	Joint Attention and Brain Functional Connectivity in Infants and Toddlers. <i>Cerebral Cortex</i> , 2017, 27, 1709-1720.	1.6	103
140	Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. <i>Biological Psychiatry</i> , 2017, 82, 186-193.	0.7	173
141	Early brain development in infants at high risk for autism spectrum disorder. <i>Nature</i> , 2017, 542, 348-351.	13.7	808
142	Effects of Antenatal Maternal Depressive Symptoms and Socio-Economic Status on Neonatal Brain Development are Modulated by Genetic Risk. <i>Cerebral Cortex</i> , 2017, 27, 3080-3092.	1.6	90
143	Federating heterogeneous datasets to enhance data sharing and experiment reproducibility. , 2017, 10137, .		3
144	Newborn insula gray matter volume is prospectively associated with early life adiposity gain. <i>International Journal of Obesity</i> , 2017, 41, 1434-1439.	1.6	5

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145	Diagnostic index: an open-source tool to classify TMJ OA condyles. , 2017, 10137, .		10
146	742. Gut Microbiome and Brain Functional Connectivity in Infants: A Preliminary Study Focusing on the Amygdala. Biological Psychiatry, 2017, 81, S300-S301.	0.7	1
147	Exercise Decreases Marrow Adipose Tissue Through $\alpha$ -Oxidation in Obese Running Mice. Journal of Bone and Mineral Research, 2017, 32, 1692-1702.	3.1	78
148	Large deep neural networks for MS lesion segmentation. Proceedings of SPIE, 2017, , .	0.8	0
149	Neural circuitry at age 6 months associated with later repetitive behavior and sensory responsiveness in autism. Molecular Autism, 2017, 8, 8.	2.6	111
150	A segmentation editing framework based on shape change statistics. , 2017, 10133, .		1
151	Functional neuroimaging of high-risk 6-month-old infants predicts a diagnosis of autism at 24 months of age. Science Translational Medicine, 2017, 9, .	5.8	264
152	FADTTStar: accelerating hypothesis testing with functional analysis of diffusion tensor tract statistics. , 2017, 10137, .		2
153	White matter fiber-based analysis of T1w/T2w ratio map. Proceedings of SPIE, 2017, 10133, .	0.8	7
154	The Emergence of Network Inefficiencies in Infants With Autism Spectrum Disorder. Biological Psychiatry, 2017, 82, 176-185.	0.7	93
155	CIVILITY: cloud based interactive visualization of tractography brain connectome. Proceedings of SPIE, 2017, 10137, .	0.8	5
156	A novel maturation index based on neonatal diffusion tensor imaging reflects typical perinatal white matter development in humans. International Journal of Developmental Neuroscience, 2017, 56, 42-51.	0.7	19
157	Common and heritable components of white matter microstructure predict cognitive function at 1 and 2 y. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 148-153.	3.3	47
158	Subcortical Brain and Behavior Phenotypes Differentiate Infants With Autism Versus Language Delay. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 664-672.	1.1	71
159	Novel Local Shape-Adaptive Gyrfication Index with Application to Brain Development. Lecture Notes in Computer Science, 2017, , 31-39.	1.0	3
160	528. Cognitive Ability is Related to White Matter Tract Integrity in 1-Year-Olds. Biological Psychiatry, 2017, 81, S214.	0.7	0
161	243. Implications of Newborn Amygdala Connectivity on Fear Vs. Negative Emotionality Development over the First Year of Life. Biological Psychiatry, 2017, 81, S100.	0.7	1
162	Genome-wide association analysis identifies common variants influencing infant brain volumes. Translational Psychiatry, 2017, 7, e1188-e1188.	2.4	27

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163	Brain structure in sagittal craniosynostosis. , 2017, 10137, .		4
164	Fast predictive multimodal image registration. , 2017, , .		13
165	Quicksilver: Fast predictive image registration â€œ A deep learning approach. NeuroImage, 2017, 158, 378-396.	2.1	444
166	Decreased Axon Caliber Underlies Loss of Fiber Tract Integrity, Disproportional Reductions in White Matter Volume, and Microcephaly in Angelman Syndrome Model Mice. Journal of Neuroscience, 2017, 37, 7347-7361.	1.7	30
167	Cortical gray and subcortical white matter associations in Parkinson's disease. Neurobiology of Aging, 2017, 49, 100-108.	1.5	18
168	The UNC-Wisconsin Rhesus Macaque Neurodevelopment Database: A Structural MRI and DTI Database of Early Postnatal Development. Frontiers in Neuroscience, 2017, 11, 29.	1.4	45
169	Resting-state fMRI in sleeping infants more closely resembles adult sleep than adult wakefulness. PLoS ONE, 2017, 12, e0188122.	1.1	51
170	Conditional Local Distance Correlation for Manifold-Valued Data. Lecture Notes in Computer Science, 2017, 10265, 41-52.	1.0	1
171	Identifying Subnetwork Fingerprints in Structural Connectomes: A Data-Driven Approach. Lecture Notes in Computer Science, 2017, , 79-88.	1.0	2
172	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. Lecture Notes in Computer Science, 2017, 10265, 478-489.	1.0	1
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