

John Gilmore

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

293 papers	15,564 citations	70 h-index	118 g-index
319 ext. papers	18,192 ext. citations	4.6 avg, IF	6.57 L-index

#	Paper	IF	Citations
293	Diffusion Tensor Based White Matter Tract Atlases for Pediatric Populations.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 806268	5.1	0
292	Brain charts for the human lifespan.. <i>Nature</i> , 2022 ,	50.4	15
291	Turner syndrome: language profile of young girls at 12 and 24 months of age. <i>Journal of Neurodevelopmental Disorders</i> , 2021 , 13, 52	4.6	
290	Spherical Deformable U-Net: Application to Cortical Surface Parcellation and Development Prediction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1217-1228	11.7	13
289	Canonical correlation analysis for elliptical copulas. <i>Journal of Multivariate Analysis</i> , 2021 , 183, 104715-104715	11.7	1
288	Hippocampal functional connectivity development during the first two years indexes 4-year working memory performance. <i>Cortex</i> , 2021 , 138, 165-177	3.8	4
287	Maternal trait anxiety symptoms, frontolimbic resting-state functional connectivity, and cognitive development in infancy. <i>Developmental Psychobiology</i> , 2021 , 63, e22166	3	2
286	Genome-Wide Association Analysis of Neonatal White Matter Microstructure. <i>Cerebral Cortex</i> , 2021 , 31, 933-948	5.1	0
285	The Subgrouping Structure of Newborns with Heterogenous Brain-Behavior Relationships. <i>Cerebral Cortex</i> , 2021 , 31, 301-311	5.1	7
284	Impact of gonadectomy on maturational changes in brain volume in adolescent macaques. <i>Psychoneuroendocrinology</i> , 2021 , 124, 105068	5	0
283	Subdural Hemorrhage in Asymptomatic Neonates: Neurodevelopmental Outcomes and MRI Findings at 2 Years. <i>Radiology</i> , 2021 , 298, 173-179	20.5	1
282	Learning Infant Brain Developmental Connectivity for Cognitive Score Prediction. <i>Lecture Notes in Computer Science</i> , 2021 , 228-237	0.9	
281	Placental genomic risk scores and early neurodevelopmental outcomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
280	Estimation for the bivariate quantile varying coefficient model with application to diffusion tensor imaging data analysis. <i>Biostatistics</i> , 2021 ,	3.7	3
279	Developmental heatmaps of brain functional connectivity from newborns to 6-year-olds. <i>Developmental Cognitive Neuroscience</i> , 2021 , 50, 100976	5.5	1
278	Prospective association of maternal psychosocial stress in pregnancy with newborn hippocampal volume and implications for infant social-emotional development. <i>Neurobiology of Stress</i> , 2021 , 15, 100368	7.6	2
277	Exposure to prenatal maternal distress and infant white matter neurodevelopment.. <i>Development and Psychopathology</i> , 2021 , 33, 1526-1538	4.3	0

276	Neonatal brain connectivity outliers identify over forty percent of IQ outliers at 4½ years of age. <i>Brain and Behavior</i> , 2020 , 10, e01846	3.4	4
275	White Matter Development from Birth to 6½ Years of Age: A Longitudinal Study. <i>Cerebral Cortex</i> , 2020 , 30, 6152-6168	5.1	8
274	Personalized connectome fingerprints: Their importance in cognition from childhood to adult years. <i>NeuroImage</i> , 2020 , 221, 117122	7.9	4
273	Neonatal hippocampal volume moderates the effects of early postnatal enrichment on cognitive development. <i>Developmental Cognitive Neuroscience</i> , 2020 , 45, 100820	5.5	5
272	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. <i>Human Brain Mapping</i> , 2020 , 41, 1985-2003	5.9	13
271	Early Childhood Brain Development and Schizophrenia: An Imaging Perspective 2020 , 303-317		
270	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	3.4	3
269	Individual Variation of Human Cortical Structure Is Established in the First Year of Life. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 971-980	3.4	2
268	Neonatal brain volume as a marker of differential susceptibility to parenting quality and its association with neurodevelopment across early childhood. <i>Developmental Cognitive Neuroscience</i> , 2020 , 45, 100826	5.5	3
267	Early Development of Infants with Turner Syndrome. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2020 , 41, 470-479	2.4	2
266	Altered Brain Structure in Infants with Turner Syndrome. <i>Cerebral Cortex</i> , 2020 , 30, 587-596	5.1	11
265	Cortical Structure and Cognition in Infants and Toddlers. <i>Cerebral Cortex</i> , 2020 , 30, 786-800	5.1	10
264	gene network in the prefrontal cortex is associated with total brain volume in childhood. <i>Journal of Psychiatry and Neuroscience</i> , 2020 , 46, E154-E163	4.5	2
263	CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION 2019 , 2019, 396-399	1.5	1
262	SPHERICAL U-NET FOR INFANT CORTICAL SURFACE PARCELLATION 2019 , 2019, 1882-1886	1.5	4
261	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	4	5
260	Spherical U-Net on Cortical Surfaces: Methods and Applications. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 855-866	0.9	22
259	White matter development in infants at risk for schizophrenia. <i>Schizophrenia Research</i> , 2019 , 210, 107-114	3.4	5

258	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patch-based group-wise sparse representation. <i>Human Brain Mapping</i> , 2019 , 40, 3860-3880	5.9	12
257	White matter connectomes at birth accurately predict cognitive abilities at age 2. <i>NeuroImage</i> , 2019 , 192, 145-155	7.9	21
256	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. <i>NeuroImage</i> , 2019 , 185, 575-592	7.9	16
255	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	7.9	92
254	CONSTRUCTION OF 4D NEONATAL CORTICAL SURFACE ATLASES USING WASSERSTEIN DISTANCE 2019 , 2019, 995-998	1.5	2
253	Maternal Depression and Structural Covariance of the Amygdala in Early Childhood. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 936-937	3.4	
252	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. <i>Lecture Notes in Computer Science</i> , 2019 , 11765, 841-849	0.9	
251	Semi-supervised VAE-GAN for Out-of-Sample Detection Applied to MRI Quality Control. <i>Lecture Notes in Computer Science</i> , 2019 , 127-136	0.9	2
250	Spatiotemporal Modeling for Image Time Series with Appearance Change: Application to Early Brain Development. <i>Lecture Notes in Computer Science</i> , 2019 , 174-185	0.9	1
249	Model selection for spatiotemporal modeling of early childhood sub-cortical development. <i>Proceedings of SPIE</i> , 2019 , 10949,	1.7	1
248	Intrinsic Patch-Based Cortical Anatomical Parcellation Using Graph Convolutional Neural Network on Surface Manifold. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 492-500	0.9	3
247	Neonatal White Matter Maturation Is Associated With Infant Language Development. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 434	3.3	8
246	Gut microbiome and brain functional connectivity in infants-a preliminary study focusing on the amygdala. <i>Psychopharmacology</i> , 2019 , 236, 1641-1651	4.7	49
245	Newborn amygdala connectivity and early emerging fear. <i>Developmental Cognitive Neuroscience</i> , 2019 , 37, 100604	5.5	22
244	Targeting reduced neural oscillations in patients with schizophrenia by transcranial alternating current stimulation. <i>NeuroImage</i> , 2019 , 186, 126-136	7.9	55
243	White matter microstructural development and cognitive ability in the first 2 years of life. <i>Human Brain Mapping</i> , 2019 , 40, 1195-1210	5.9	24
242	Quantitative tract-based white matter heritability in 1- and 2-year-old twins. <i>Human Brain Mapping</i> , 2019 , 40, 1164-1173	5.9	6
241	Development of Amygdala Functional Connectivity During Infancy and Its Relationship With 4-Year Behavioral Outcomes. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 62-71	3.4	20

240	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019 , 185, 891-905	7.9	140
239	FSEM: Functional Structural Equation Models for Twin Functional Data. <i>Journal of the American Statistical Association</i> , 2019 , 114, 344-357	2.8	5
238	Environmental Influences on Infant Cortical Thickness and Surface Area. <i>Cerebral Cortex</i> , 2019 , 29, 1139-1149	3.149	32
237	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	7.9	87
236	A review on neuroimaging studies of genetic and environmental influences on early brain development. <i>NeuroImage</i> , 2019 , 185, 802-812	7.9	26
235	The Predictive Value of Developmental Assessments at 1 and 2 for Intelligence Quotients at 6. <i>Intelligence</i> , 2018 , 68, 58-65	3	12
234	Imaging structural and functional brain development in early childhood. <i>Nature Reviews Neuroscience</i> , 2018 , 19, 123-137	13.5	263
233	Verbal and nonverbal predictors of executive function in early childhood. <i>Journal of Cognition and Development</i> , 2018 , 19, 182-200	2.5	7
232	Commentary: The neonatal brain and the challenge of imaging biomarkers, reflections on Batalle et al. (2018). <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018 , 59, 372-373	7.9	
231	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. <i>Human Brain Mapping</i> , 2018 , 39, 3625-3635	5.9	10
230	Randomized trial of transcranial alternating current stimulation for treatment of auditory hallucinations in schizophrenia. <i>European Psychiatry</i> , 2018 , 51, 25-33	6	50
229	Functional Brain Parcellations of the Infant Brain and the Associated Developmental Trends. <i>Cerebral Cortex</i> , 2018 , 28, 1358-1368	5.1	26
228	Maternal Systemic Interleukin-6 During Pregnancy Is Associated With Newborn Amygdala Phenotypes and Subsequent Behavior at 2 Years of Age. <i>Biological Psychiatry</i> , 2018 , 83, 109-119	7.9	133
227	Infant Gut Microbiome Associated With Cognitive Development. <i>Biological Psychiatry</i> , 2018 , 83, 148-159	7.9	207
226	Intergenerational Effect of Maternal Exposure to Childhood Maltreatment on Newborn Brain Anatomy. <i>Biological Psychiatry</i> , 2018 , 83, 120-127	7.9	85
225	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018 , 39, 4998-5013	5.9	16
224	O10.3. EARLY BRAIN AND COGNITIVE DEVELOPMENT IN CHILDREN AT RISK FOR SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018 , 44, S103-S104	1.3	1
223	Maternal Immune Activation Alters Adult Behavior, Gut Microbiome and Juvenile Brain Oscillations in Ferrets. <i>ENeuro</i> , 2018 , 5,	3.9	14

222	Registration-Free Infant Cortical Surface Parcellation using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 672-680	0.9	13
221	CONSTRUCTION OF SPATIOTEMPORAL NEONATAL CORTICAL SURFACE ATLASES USING A LARGE-SCALE DATASET 2018 , 2018, 1056-1059	1.5	5
220	A cortical shape-adaptive approach to local gyrification index. <i>Medical Image Analysis</i> , 2018 , 48, 244-258	15.4	14
219	Functional Connectivity of the Infant Human Brain: Plastic and Modifiable. <i>Neuroscientist</i> , 2017 , 23, 169-184	18.4	177
218	Emergence of a hierarchical brain during infancy reflected by stepwise functional connectivity. <i>Human Brain Mapping</i> , 2017 , 38, 2666-2682	5.9	13
217	Newborn insula gray matter volume is prospectively associated with early life adiposity gain. <i>International Journal of Obesity</i> , 2017 , 41, 1434-1439	5.5	3
216	White Matter Fiber-based Analysis of T1w/T2w Ratio Map. <i>Proceedings of SPIE</i> , 2017 , 10133,	1.7	2
215	A novel maturation index based on neonatal diffusion tensor imaging reflects typical perinatal white matter development in humans. <i>International Journal of Developmental Neuroscience</i> , 2017 , 56, 42-51	2.7	11
214	Common and heritable components of white matter microstructure predict cognitive function at 1 and 2 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 148-153	11.5	39
213	Impact of Demographic and Obstetric Factors on Infant Brain Volumes: A Population Neuroscience Study. <i>Cerebral Cortex</i> , 2017 , 27, 5616-5625	5.1	31
212	Structural and Maturation Covariance in Early Childhood Brain Development. <i>Cerebral Cortex</i> , 2017 , 27, 1795-1807	5.1	91
211	Exploring Gyrus Patterns of Infant Cortical Folding based on Multi-view Curvature Information. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 12-20	0.9	5
210	Novel Local Shape-Adaptive Gyrification Index with Application to Brain Development. <i>Lecture Notes in Computer Science</i> , 2017 , 31-39	0.9	2
209	Genome-wide association analysis identifies common variants influencing infant brain volumes. <i>Translational Psychiatry</i> , 2017 , 7, e1188	8.6	17
208	Brain structure in sagittal craniosynostosis. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	4
207	Longitudinal multi-scale mapping of infant cortical folding using spherical wavelets 2017 ,		1
206	Twin-singleton developmental study of brain white matter anatomy. <i>Human Brain Mapping</i> , 2017 , 38, 1009-1024	5.9	13
205	Cortical multisensory connectivity is present near birth in humans. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1207-1213	4.1	10

204	Early Development of Network Oscillations in the Ferret Visual Cortex. <i>Scientific Reports</i> , 2017 , 7, 17766	4.9	8
203	LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS 2017 , 2017, 93-96	1.5	2
202	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. <i>Lecture Notes in Computer Science</i> , 2017 , 10265, 478-489	0.9	1
201	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. <i>Human Brain Mapping</i> , 2017 , 38, 4444-4458	5.9	37
200	Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , 2016 , 221, 447-61	4	42
199	Antenatal depression, treatment with selective serotonin reuptake inhibitors, and neonatal brain structure: A propensity-matched cohort study. <i>Psychiatry Research - Neuroimaging</i> , 2016 , 253, 43-53	2.9	37
198	Implications of newborn amygdala connectivity for fear and cognitive development at 6-months-of-age. <i>Developmental Cognitive Neuroscience</i> , 2016 , 18, 12-25	5.5	70
197	Exploratory study of once-daily transcranial direct current stimulation (tDCS) as a treatment for auditory hallucinations in schizophrenia. <i>European Psychiatry</i> , 2016 , 33, 54-60	6	59
196	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 10-18	0.9	6
195	Resting state network topology of the ferret brain. <i>NeuroImage</i> , 2016 , 143, 70-81	7.9	19
194	Subject-specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. <i>Lecture Notes in Computer Science</i> , 2016 , 9601, 83-92	0.9	1
193	Spatial Patterns, Longitudinal Development, and Hemispheric Asymmetries of Cortical Thickness in Infants from Birth to 2 Years of Age. <i>Journal of Neuroscience</i> , 2015 , 35, 9150-62	6.6	107
192	Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. <i>Cerebral Cortex</i> , 2015 , 25, 2204-12	5.1	200
191	Quantitative tract-based white matter heritability in twin neonates. <i>NeuroImage</i> , 2015 , 111, 123-35	7.9	34
190	Early Postnatal Myelin Content Estimate of White Matter via T1w/T2w Ratio. <i>Proceedings of SPIE</i> , 2015 , 9417,	1.7	9
189	Cortical Surface-Based Construction of Individual Structural Network with Application to Early Brain Development Study. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 560-568	0.9	
188	Consistent anterior-posterior segregation of the insula during the first 2 years of life. <i>Cerebral Cortex</i> , 2015 , 25, 1176-87	5.1	60
187	Development of human brain cortical network architecture during infancy. <i>Brain Structure and Function</i> , 2015 , 220, 1173-86	4	173

186	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. <i>Human Brain Mapping</i> , 2015 , 36, 5183-95	5.9	24
185	Network-Level Connectivity Dynamics of Movie Watching in 6-Year-Old Children. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 631	3.3	36
184	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. <i>Medical Image Analysis</i> , 2015 , 25, 22-36	15.4	90
183	Frequency of spontaneous BOLD signal shifts during infancy and correlates with cognitive performance. <i>Developmental Cognitive Neuroscience</i> , 2015 , 12, 40-50	5.5	28
182	LINKS: learning-based multi-source IntegrationN frameworkK for Segmentation of infant brain images. <i>NeuroImage</i> , 2015 , 108, 160-72	7.9	168
181	Parcellation of Infant Surface Atlas Using Developmental Trajectories of Multidimensional Cortical Attributes. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 543-550	0.9	3
180	Segmentation of neonatal brain MR images using patch-driven level sets. <i>NeuroImage</i> , 2014 , 84, 141-58	7.9	136
179	FMEM: functional mixed effects modeling for the analysis of longitudinal white matter Tract data. <i>NeuroImage</i> , 2014 , 84, 753-64	7.9	17
178	Prenatal cocaine effects on brain structure in early infancy. <i>NeuroImage</i> , 2014 , 101, 114-23	7.9	44
177	Development of thalamocortical connectivity during infancy and its cognitive correlations. <i>Journal of Neuroscience</i> , 2014 , 34, 9067-75	6.6	129
176	Intersubject variability of and genetic effects on the brain's functional connectivity during infancy. <i>Journal of Neuroscience</i> , 2014 , 34, 11288-96	6.6	81
175	Rate of Chiari I malformation in children of mothers with depression with and without prenatal SSRI exposure. <i>Neuropsychopharmacology</i> , 2014 , 39, 2611-21	8.7	16
174	Impact of sex and gonadal steroids on neonatal brain structure. <i>Cerebral Cortex</i> , 2014 , 24, 2721-31	5.1	67
173	Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. <i>NeuroImage</i> , 2014 , 89, 152-64	7.9	80
172	Mapping longitudinal hemispheric structural asymmetries of the human cerebral cortex from birth to 2 years of age. <i>Cerebral Cortex</i> , 2014 , 24, 1289-300	5.1	96
171	Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. <i>NeuroImage</i> , 2014 , 100, 206-18	7.9	83
170	Environmental and genetic contributors to salivary testosterone levels in infants. <i>Frontiers in Endocrinology</i> , 2014 , 5, 187	5.7	11
169	Longitudinal development of cortical thickness, folding, and fiber density networks in the first 2 years of life. <i>Human Brain Mapping</i> , 2014 , 35, 3726-37	5.9	39

168	Neonatal atlas construction using sparse representation. <i>Human Brain Mapping</i> , 2014 , 35, 4663-77	5.9	32
167	PARAMETRIC REGRESSION SCHEME FOR DISTRIBUTIONS: ANALYSIS OF DTI FIBER TRACT DIFFUSION CHANGES IN EARLY BRAIN DEVELOPMENT 2014 , 2014, 559-562	1.5	1
166	A naturalistic comparison of the long-term metabolic adverse effects of clozapine versus other antipsychotics for patients with psychotic illnesses. <i>Journal of Clinical Psychopharmacology</i> , 2014 , 34, 441-5	1.7	14
165	Mapping longitudinal development of local cortical gyrification in infants from birth to 2 years of age. <i>Journal of Neuroscience</i> , 2014 , 34, 4228-38	6.6	164
164	Common variants in psychiatric risk genes predict brain structure at birth. <i>Cerebral Cortex</i> , 2014 , 24, 1230-46	9.46	100
163	Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. <i>NeuroImage</i> , 2014 , 90, 266-79	7.9	92
162	Population variation in neuroendocrine activity is associated with behavioral inhibition and hemispheric brain structure in young rhesus monkeys. <i>Psychoneuroendocrinology</i> , 2014 , 47, 56-67	5	6
161	SGPP: spatial Gaussian predictive process models for neuroimaging data. <i>NeuroImage</i> , 2014 , 89, 70-80	7.9	16
160	More insights into early brain development through statistical analyses of eigen-structural elements of diffusion tensor imaging using multivariate adaptive regression splines. <i>Brain Structure and Function</i> , 2014 , 219, 551-69	4	5
159	Joint Segmentation and Registration for Infant Brain Images. <i>Lecture Notes in Computer Science</i> , 2014 , 13-21	0.9	1
158	Subject-specific prediction using nonlinear population modeling: application to early brain maturation from DTI. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 33-40	0.9	3
157	LINKS: Learning-Based Multi-source Integration Framework for Segmentation of Infant Brain Images. <i>Lecture Notes in Computer Science</i> , 2014 , 22-33	0.9	3
156	Longitudinally guided level sets for consistent tissue segmentation of neonates. <i>Human Brain Mapping</i> , 2013 , 34, 956-72	5.9	61
155	Mapping region-specific longitudinal cortical surface expansion from birth to 2 years of age. <i>Cerebral Cortex</i> , 2013 , 23, 2724-33	5.1	155
154	Regional characterization of longitudinal DT-MRI to study white matter maturation of the early developing brain. <i>NeuroImage</i> , 2013 , 68, 236-47	7.9	68
153	Multiscale adaptive generalized estimating equations for longitudinal neuroimaging data. <i>NeuroImage</i> , 2013 , 72, 91-105	7.9	30
152	Adaptive prior probability and spatial temporal intensity change estimation for segmentation of the one-year-old human brain. <i>Journal of Neuroscience Methods</i> , 2013 , 212, 43-55	3	23
151	Associations between white matter microstructure and infants' working memory. <i>NeuroImage</i> , 2013 , 64, 156-66	7.9	76

150	Fiber feature map based landmark initialization for highly deformable DTI registration. <i>Proceedings of SPIE</i> , 2013 , 8669,	1.7	1
149	3D of Brain Shape and Volume After Cranial Vault Remodeling Surgery for Craniosynostosis Correction in Infants. <i>Proceedings of SPIE</i> , 2013 , 8672, 86720V	1.7	7
148	The synchronization within and interaction between the default and dorsal attention networks in early infancy. <i>Cerebral Cortex</i> , 2013 , 23, 594-603	5.1	116
147	Lateral ventricle morphology analysis via mean latitude axis. <i>Proceedings of SPIE</i> , 2013 , 8672,	1.7	12
146	Diffusion tensor imaging-based characterization of brain neurodevelopment in primates. <i>Cerebral Cortex</i> , 2013 , 23, 36-48	5.1	39
145	Measuring longitudinally dynamic cortex development in infants by reconstruction of consistent cortical surfaces 2013 ,		1
144	SPATIOTEMPORAL MODELING OF DISCRETE-TIME DISTRIBUTION-VALUED DATA APPLIED TO DTI TRACT EVOLUTION IN INFANT NEURODEVELOPMENT 2013 , 2013, 684-687	1.5	2
143	MULTIVARIATE MODELING OF LONGITUDINAL MRI IN EARLY BRAIN DEVELOPMENT WITH CONFIDENCE MEASURES 2013 , 1400-1403	1.5	7
142	Patch-driven neonatal brain MRI segmentation with sparse representation and level sets 2013 ,		1
141	VARYING COEFFICIENT MODEL FOR MODELING DIFFUSION TENSORS ALONG WHITE MATTER TRACTS. <i>Annals of Applied Statistics</i> , 2013 , 7, 102-125	2.1	6
140	Family poverty affects the rate of human infant brain growth. <i>PLoS ONE</i> , 2013 , 8, e80954	3.7	262
139	The dynamic reorganization of the default-mode network during a visual classification task. <i>Frontiers in Systems Neuroscience</i> , 2013 , 7, 34	3.5	29
138	LONGITUDINAL GROWTH MODELING OF DISCRETE-TIME FUNCTIONS WITH APPLICATION TO DTI TRACT EVOLUTION IN EARLY NEURODEVELOPMENT 2013 , 2012, 1945-1400	1.5	1
137	A longitudinal functional analysis framework for analysis of white matter tract statistics. <i>Lecture Notes in Computer Science</i> , 2013 , 23, 220-31	0.9	5
136	Integration of sparse multi-modality representation and geometrical constraint for isointense infant brain segmentation. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 703-10	0.9	4
135	TwinMARM: two-stage multiscale adaptive regression methods for twin neuroimaging data. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1100-12	11.7	13
134	3D Tensor Normalization for Improved Accuracy in DTI Tensor Registration Methods. <i>Lecture Notes in Computer Science</i> , 2012 , 170-179	0.9	
133	Multi-contrast diffusion tensor image registration with structural MRI 2012 ,		3

132	Prenatal isolated mild ventriculomegaly is associated with persistent ventricle enlargement at ages 1 and 2. <i>Early Human Development</i> , 2012 , 88, 691-8	2.2	30
131	Quantitative tract-based white matter development from birth to age 2years. <i>NeuroImage</i> , 2012 , 61, 542-57	7.9	149
130	Altered structural connectivity in neonates at genetic risk for schizophrenia: a combined study using morphological and white matter networks. <i>NeuroImage</i> , 2012 , 62, 1622-33	7.9	98
129	LABEL: pediatric brain extraction using learning-based meta-algorithm. <i>NeuroImage</i> , 2012 , 62, 1975-86	7.9	136
128	Semiparametric Bayesian local functional models for diffusion tensor tract statistics. <i>NeuroImage</i> , 2012 , 63, 460-74	7.9	2
127	4D multi-modality tissue segmentation of serial infant images. <i>PLoS ONE</i> , 2012 , 7, e44596	3.7	55
126	Projection regression models for multivariate imaging phenotype. <i>Genetic Epidemiology</i> , 2012 , 36, 631-41.6	14	
125	A computational growth model for measuring dynamic cortical development in the first year of life. <i>Cerebral Cortex</i> , 2012 , 22, 2272-84	5.1	47
124	Identifying priorities for patient-centered outcomes research for serious mental illness. <i>Psychiatric Services</i> , 2012 , 63, 1125-30	3.3	14
123	STATISTICAL GROWTH MODELING OF LONGITUDINAL DT-MRI FOR REGIONAL CHARACTERIZATION OF EARLY BRAIN DEVELOPMENT 2012 , 1507-1510	1.5	4
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