

Martin A Styner

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.

395
papers

15,201
citations

67
h-index

112
g-index

451
ext. papers

18,184
ext. citations

4.3
avg, IF

6.34
L-index

#	Paper	IF	Citations
395	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 , appiajp21090896	11.9	2
394	Diffusion Tensor Based White Matter Tract Atlases for Pediatric Populations.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 806268	5.1	0
393	Characterizing the propagation pathway of neuropathological events of Alzheimer's disease using harmonic wavelet analysis.. <i>Medical Image Analysis</i> , 2022 , 79, 102446	15.4	1
392	Cerebellar Volumes and Sensorimotor Behavior in Autism Spectrum Disorder.. <i>Frontiers in Integrative Neuroscience</i> , 2022 , 16, 821109	3.2	
391	Automatic Segmentation of Mandibular Ramus and Condyles. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 2952-2955	0.9	0
390	Exercise Increases Bone in SEIPIN Deficient Lipodystrophy, Despite Low Marrow Adiposity.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 782194	5.7	0
389	Subtyping of mild cognitive impairment using a deep learning model based on brain atrophy patterns.. <i>Cell Reports Medicine</i> , 2021 , 2, 100467	18	1
388	Merging and Annotating Teeth and Roots from Automated Segmentation of Multimodal Images. <i>Lecture Notes in Computer Science</i> , 2021 , 81-92	0.9	0
387	Maternal Immune Activation during Pregnancy Alters Postnatal Brain Growth and Cognitive Development in Nonhuman Primate Offspring. <i>Journal of Neuroscience</i> , 2021 , 41, 9971-9987	6.6	3
386	Robust Cortical Thickness Morphometry of Neonatal Brain and Systematic Evaluation Using Multi-Site MRI Datasets. <i>Frontiers in Neuroscience</i> , 2021 , 15, 650082	5.1	1
385	Structural development of cortical lobes during the first 6 months of life in infant macaques. <i>Developmental Cognitive Neuroscience</i> , 2021 , 48, 100906	5.5	3
384	General anaesthesia during infancy reduces white matter micro-organisation in developing rhesus monkeys. <i>British Journal of Anaesthesia</i> , 2021 , 126, 845-853	5.4	4
383	Proteobacteria abundance during nursing predicts physical growth and brain volume at one year of age in young rhesus monkeys. <i>FASEB Journal</i> , 2021 , 35, e21682	0.9	1
382	Infant gut microbiome composition is associated with non-social fear behavior in a pilot study. <i>Nature Communications</i> , 2021 , 12, 3294	17.4	10
381	Impact of gonadectomy on maturational changes in brain volume in adolescent macaques. <i>Psychoneuroendocrinology</i> , 2021 , 124, 105068	5	0
380	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	11.7	6
379	Discovering Spreading Pathways of Neuropathological Events in Alzheimer's Disease Using Harmonic Wavelets. <i>Lecture Notes in Computer Science</i> , 2021 , 228-240	0.9	1

378	Web Infrastructure for Data Management, Storage and Computation. <i>Proceedings of SPIE</i> , 2021 , 11600,	1.7	1
377	FlyBy CNN: A 3D surface segmentation framework. <i>Proceedings of SPIE</i> , 2021 , 11596,	1.7	1
376	Infantile Iron Deficiency Affects Brain Development in Monkeys Even After Treatment of Anemia. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 624107	3.3	3
375	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
374	Differential Role for Hippocampal Subfields in Alzheimer's Disease Progression Revealed with Deep Learning. <i>Cerebral Cortex</i> , 2021 ,	5.1	3
373	Longitudinal Prediction of Infant MR Images With Multi-Contrast Perceptual Adversarial Learning. <i>Frontiers in Neuroscience</i> , 2021 , 15, 653213	5.1	0
372	Joint hub identification for brain networks by multivariate graph inference. <i>Medical Image Analysis</i> , 2021 , 73, 102162	15.4	0
371	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
370	A voxel-wise assessment of growth differences in infants developing autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2021 , 29, 102551	5.3	3
369	Automatic Segmentation of Dental Root Canal and Merging with Crown Shape. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 2948-2951	0.9	1
368	Exposure to prenatal maternal distress and infant white matter neurodevelopment.. <i>Development and Psychopathology</i> , 2021 , 33, 1526-1538	4.3	0
367	Osteoarthritis of the Temporomandibular Joint can be diagnosed earlier using biomarkers and machine learning. <i>Scientific Reports</i> , 2020 , 10, 8012	4.9	31
366	Sleep Onset Problems and Subcortical Development in Infants Later Diagnosed With Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2020 , 177, 518-525	11.9	15
365	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	5.1	4
364	CHARACTERIZING THE PROPAGATION PATTERN OF NEURODEGENERATION IN ALZHEIMER'S DISEASE BY LONGITUDINAL NETWORK ANALYSIS 2020 , 2020, 292-295	1.5	2
363	White Matter Development from Birth to 6 Years of Age: A Longitudinal Study. <i>Cerebral Cortex</i> , 2020 , 30, 6152-6168	5.1	8
362	Personalized connectome fingerprints: Their importance in cognition from childhood to adult years. <i>NeuroImage</i> , 2020 , 221, 117122	7.9	4
361	Neonatal hippocampal volume moderates the effects of early postnatal enrichment on cognitive development. <i>Developmental Cognitive Neuroscience</i> , 2020 , 45, 100820	5.5	5

360	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	4.3	5
359	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	0.9	
358	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	0.6	2
357	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
356	Multi-modal Perceptual Adversarial Learning for Longitudinal Prediction of Infant MR Images. <i>Lecture Notes in Computer Science</i> , 2020 , 284-294	0.9	
355	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	0.9	4
354	Patient Specific Classification of Dental Root Canal and Crown Shape. <i>Lecture Notes in Computer Science</i> , 2020 , 12474, 145-153	0.9	5
353	Developmental outcomes of early adverse care on amygdala functional connectivity in nonhuman primates. <i>Development and Psychopathology</i> , 2020 , 32, 1579-1596	4.3	7
352	Long-term alterations in brain and behavior after postnatal Zika virus infection in infant macaques. <i>Nature Communications</i> , 2020 , 11, 2534	17.4	20
351	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. <i>Schizophrenia Bulletin</i> , 2020 , 46, S244-S244	1.3	0
350	M179. ALTERNATED BRAIN AND BEHAVIORAL DEVELOPMENT IN A NONHUMAN PRIMATE MODEL OF MATERNAL IMMUNE ACTIVATION. <i>Schizophrenia Bulletin</i> , 2020 , 46, S204-S204	1.3	78
349	Lexical-semantic search related to side of onset and putamen volume in Parkinson's disease. <i>Brain and Language</i> , 2020 , 209, 104841	2.9	2
348	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
347	A Novel Method for High-Dimensional Anatomical Mapping of Extra-Axial Cerebrospinal Fluid: Application to the Infant Brain. <i>Frontiers in Neuroscience</i> , 2020 , 14, 561556	5.1	1
346	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
345	Altered Brain Structure in Infants with Turner Syndrome. <i>Cerebral Cortex</i> , 2020 , 30, 587-596	5.1	11
344	Exercise Degrades Bone in Caloric Restriction, Despite Suppression of Marrow Adipose Tissue (MAT). <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 106-115	6.3	11
343	Cortical Structure and Cognition in Infants and Toddlers. <i>Cerebral Cortex</i> , 2020 , 30, 786-800	5.1	10

342	Sex differences associated with corpus callosum development in human infants: A longitudinal multimodal imaging study. <i>NeuroImage</i> , 2020 , 215, 116821	7.9	5
341	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
340	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	1.3	78
339	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
338	Role of deep learning in infant brain MRI analysis. <i>Magnetic Resonance Imaging</i> , 2019 , 64, 171-189	3.3	26
337	White matter development in infants at risk for schizophrenia. <i>Schizophrenia Research</i> , 2019 , 210, 107-114	3.6	5
336	3D superimposition of craniofacial imaging-The utility of multicentre collaborations. <i>Orthodontics and Craniofacial Research</i> , 2019 , 22 Suppl 1, 213-220	3	9
335	White matter connectomes at birth accurately predict cognitive abilities at age 2. <i>NeuroImage</i> , 2019 , 192, 145-155	7.9	21
334	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	7.9	11
333	Transgenic rhesus monkeys carrying the human gene copies show human-like neoteny of brain development. <i>National Science Review</i> , 2019 , 6, 480-493	10.8	35
332	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
331	Minimally Invasive Approach for Diagnosing TMJ Osteoarthritis. <i>Journal of Dental Research</i> , 2019 , 98, 1103-1111	8.1	20
330	Hierarchical spherical deformation for cortical surface registration. <i>Medical Image Analysis</i> , 2019 , 57, 72-88	15.4	7
329	Shape variation analyzer: a classifier for temporomandibular joint damaged by osteoarthritis. <i>Proceedings of SPIE</i> , 2019 , 10950,	1.7	6
328	Constructing Consistent Longitudinal Brain Networks by Group-Wise Graph Learning. <i>Lecture Notes in Computer Science</i> , 2019 , 654-662	0.9	1
327	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	0.9	2
326	Joint Identification of Network Hub Nodes by Multivariate Graph Inference. <i>Lecture Notes in Computer Science</i> , 2019 , 590-598	0.9	
325	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

324	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	0.9	2
323	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
322	Model selection for spatiotemporal modeling of early childhood sub-cortical development. <i>Proceedings of SPIE</i> , 2019 , 10949,	1.7	1
321	A web-based system for statistical shape analysis in temporomandibular joint osteoarthritis. <i>Proceedings of SPIE</i> , 2019 , 10953,	1.7	3
320	Neonatal White Matter Maturation Is Associated With Infant Language Development. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 434	3.3	8
319	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
318	Newborn amygdala connectivity and early emerging fear. <i>Developmental Cognitive Neuroscience</i> , 2019 , 37, 100604	5.5	22
317	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
316	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
315	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	3.4	33
314	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
313	Environmental Influences on Infant Cortical Thickness and Surface Area. <i>Cerebral Cortex</i> , 2019 , 29, 1139-1149	3.149	32
312	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
311	Development of White Matter Circuitry in Infants With Fragile X Syndrome. <i>JAMA Psychiatry</i> , 2018 , 75, 505-513	14.5	26
310	Postnatal Zika virus infection is associated with persistent abnormalities in brain structure, function, and behavior in infant macaques. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	50
309	TRACE: A Topological Graph Representation for Automatic Sulcal Curve Extraction. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1653-1663	11.7	10
308	A deep neural network to assess spontaneous pain from mouse facial expressions. <i>Molecular Pain</i> , 2018 , 14, 1744806918763658	3.4	59
307	Walking, Gross Motor Development, and Brain Functional Connectivity in Infants and Toddlers. <i>Cerebral Cortex</i> , 2018 , 28, 750-763	5.1	47

306	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
305	Infant Gut Microbiome Associated With Cognitive Development. <i>Biological Psychiatry</i> , 2018 , 83, 148-159	7.9	207
304	Intergenerational Effect of Maternal Exposure to Childhood Maltreatment on Newborn Brain Anatomy. <i>Biological Psychiatry</i> , 2018 , 83, 120-127	7.9	85
303	Skeletal Shape Correspondence Through Entropy. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1-11	11.7	16
302	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018 , 39, 4998-5013	8.9	16
301	Association of Prenatal Maternal Depression and Anxiety Symptoms With Infant White Matter Microstructure. <i>JAMA Pediatrics</i> , 2018 , 172, 973-981	8.3	49
300	Exploratory Population Analysis with Unbalanced Optimal Transport. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 464-472	0.9	3
299	TRAFIC: Fiber Tract Classification Using Deep Learning. <i>Proceedings of SPIE</i> , 2018 , 10574,	1.7	5
298	SVA: Shape variation analyzer. <i>Proceedings of SPIE</i> , 2018 , 10578,	1.7	2
297	A Novel Framework for the Local Extraction of Extra-Axial Cerebrospinal Fluid from MR Brain Images. <i>Proceedings of SPIE</i> , 2018 , 10574,	1.7	1
296	SlicerSALT: Shape AnaLysis Toolbox. <i>Lecture Notes in Computer Science</i> , 2018 , 11167, 65-72	0.9	10
295	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. <i>Scientific Reports</i> , 2018 , 8, 13650	4.9	87
294	Hierarchical Spherical Deformation for Shape Correspondence. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 853-861	0.9	
293	NON-EUCLIDEAN, CONVOLUTIONAL LEARNING ON CORTICAL BRAIN SURFACES 2018 , 2018, 527-530	1.5	2
292	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. <i>Computerized Medical Imaging and Graphics</i> , 2018 , 67, 45-54	7.6	21
291	A cortical shape-adaptive approach to local gyrification index. <i>Medical Image Analysis</i> , 2018 , 48, 244-258	15.4	14
290	Splenium development and early spoken language in human infants. <i>Developmental Science</i> , 2017 , 20, e12360	4.5	27
289	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	2	25

288	Joint Attention and Brain Functional Connectivity in Infants and Toddlers. <i>Cerebral Cortex</i> , 2017 , 27, 1709-1720	6.3	63
287	Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. <i>Biological Psychiatry</i> , 2017 , 82, 186-193	7.9	127
286	Early brain development in infants at high risk for autism spectrum disorder. <i>Nature</i> , 2017 , 542, 348-351	50.4	552
285	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	5.1	67
284	Federating Heterogeneous Datasets to Enhance Data Sharing and Experiment Reproducibility. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	3
283	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
282	Diagnostic Index: An open-source tool to classify TMJ OA condyles. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	8
281	Exercise Decreases Marrow Adipose Tissue Through Oxidation in Obese Running Mice. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1692-1702	6.3	46
280	Neural circuitry at age 6 months associated with later repetitive behavior and sensory responsiveness in autism. <i>Molecular Autism</i> , 2017 , 8, 8	6.5	82
279	Functional neuroimaging of high-risk 6-month-old infants predicts a diagnosis of autism at 24 months of age. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	175
278	FADTTStar: Accelerating Hypothesis Testing With Functional Analysis of Diffusion Tensor Tract Statistics. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	1
277	White Matter Fiber-based Analysis of T1w/T2w Ratio Map. <i>Proceedings of SPIE</i> , 2017 , 10133,	1.7	2
276	The Emergence of Network Inefficiencies in Infants With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017 , 82, 176-185	7.9	65
275	CIVILITY: Cloud based Interactive Visualization of Tractography Brain Connectome. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	3
274	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
273	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
272	Resting-state fMRI in sleeping infants more closely resembles adult sleep than adult wakefulness. <i>PLoS ONE</i> , 2017 , 12, e0188122	3.7	28
271	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

270	Subcortical Brain and Behavior Phenotypes Differentiate Infants With Autism Versus Language Delay. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017 , 2, 664-672	3.4	55
269	Novel Local Shape-Adaptive Gyrfication Index with Application to Brain Development. <i>Lecture Notes in Computer Science</i> , 2017 , 31-39	0.9	2
268	Genome-wide association analysis identifies common variants influencing infant brain volumes. <i>Translational Psychiatry</i> , 2017 , 7, e1188	8.6	17
267	Brain structure in sagittal craniosynostosis. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	4
266	Fast predictive multimodal image registration 2017 ,		5
265	Quicksilver: Fast predictive image registration - A deep learning approach. <i>NeuroImage</i> , 2017 , 158, 378-396		283
264	Decreased Axon Caliber Underlies Loss of Fiber Tract Integrity, Disproportional Reductions in White Matter Volume, and Microcephaly in Angelman Syndrome Model Mice. <i>Journal of Neuroscience</i> , 2017 , 37, 7347-7361	6.6	17
263	Cortical gray and subcortical white matter associations in Parkinson's disease. <i>Neurobiology of Aging</i> , 2017 , 49, 100-108	5.6	11
262	The UNC-Wisconsin Rhesus Macaque Neurodevelopment Database: A Structural MRI and DTI Database of Early Postnatal Development. <i>Frontiers in Neuroscience</i> , 2017 , 11, 29	5.1	34
261	Conditional local distance correlation for manifold-valued data. <i>Lecture Notes in Computer Science</i> , 2017 , 10265, 41-52	0.9	1
260	Identifying Subnetwork Fingerprints in Structural Connectomes: A Data-Driven Approach. <i>Lecture Notes in Computer Science</i> , 2017 , 79-88	0.9	2
259	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
258	Compressive Sensing Based Q-Space Resampling for Handling Fast Bulk Motion in HARDI Acquisitions 2016 , 2016, 907-910	1.5	4
257	Identifying Relationships in Functional and Structural Connectome Data Using a Hypergraph Learning Method. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 9-17	0.9	3
256	Dystrophin-deficient dogs with reduced myostatin have unequal muscle growth and greater joint contractures. <i>Skeletal Muscle</i> , 2016 , 6, 14	5.1	22
255	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
254	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. <i>NeuroImage</i> , 2016 , 134, 550-562	7.9	19
253	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

252	Non-Euclidean classification of medically imaged objects via s-reps. <i>Medical Image Analysis</i> , 2016 , 31, 37-45	15.4	13
251	Stage-dependent loss of cortical gyrification as Parkinson disease "unfolds". <i>Neurology</i> , 2016 , 86, 1143-51	5.5	19
250	Entropy-based particle correspondence for shape populations. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 1221-32	3.9	9
249	The pattern of gray matter atrophy in Parkinson's disease differs in cortical and subcortical regions. <i>Journal of Neurology</i> , 2016 , 263, 68-75	5.5	39
248	UNC-Emory Infant Atlases for Macaque Brain Image Analysis: Postnatal Brain Development through 12 Months. <i>Frontiers in Neuroscience</i> , 2016 , 10, 617	5.1	19
247	Cortical surface shape assessment via sulcal/gyral curve-based gyrification index 2016 ,		2
246	Enhanced Cortical Thickness Measurements for Rodent Brains via Lagrangian-based RK4 Streamline Computation. <i>Proceedings of SPIE</i> , 2016 , 9784,	1.7	5
245	Orthodontic and Orthognathic Surgery Planning Using CBCT 2016 , 221-234		1
244	Autotract: Automatic cleaning and tracking of fibers. <i>Proceedings of SPIE</i> , 2016 , 9784,	1.7	5
243	A framework for incorporating DTI Atlas Builder registration into Tract-Based Spatial Statistics and a simulated comparison to standard TBSS. <i>Proceedings of SPIE</i> , 2016 , 9788,	1.7	2
242	Development of cortical shape in the human brain from 6 to 24months of age via a novel measure of shape complexity. <i>NeuroImage</i> , 2016 , 135, 163-76	7.9	25
241	Entropy-based Correspondence Improvement of Interpolated Skeletal Models. <i>Computer Vision and Image Understanding</i> , 2016 , 151, 72-79	4.3	3
240	Maternal choline supplementation in a sheep model of first trimester binge alcohol fails to protect against brain volume reductions in peripubertal lambs. <i>Alcohol</i> , 2016 , 55, 1-8	2.7	8
239	Altered corpus callosum morphology associated with autism over the first 2 years of life. <i>Brain</i> , 2015 , 138, 2046-58	11.2	116
238	Diagnostic index of three-dimensional osteoarthritic changes in temporomandibular joint condylar morphology. <i>Journal of Medical Imaging</i> , 2015 , 2, 034501	2.6	16
237	Automatic Tissue Segmentation of Neonate Brain MR Images with Subject-specific Atlases. <i>Proceedings of SPIE</i> , 2015 , 9413,	1.7	12
236	Quantitative tract-based white matter heritability in twin neonates. <i>NeuroImage</i> , 2015 , 111, 123-35	7.9	34
235	Incorporating 3-dimensional models in online articles. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015 , 147, S195-204	2.1	30

234	Diagnostic index of 3D osteoarthritic changes in TMJ condylar morphology. <i>Proceedings of SPIE</i> , 2015 , 9414,	1.7	6
233	Early Postnatal Myelin Content Estimate of White Matter via T1w/T2w Ratio. <i>Proceedings of SPIE</i> , 2015 , 9417,	1.7	9
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