

Donald Louis Collins

List of Publications by Year in descending order

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Version: 2024-02-01

497
papers

51,300
citations

2963

93
h-index

1928

207
g-index

576
all docs

576
docs citations

576
times ranked

39846
citing authors

#	ARTICLE	IF	CITATIONS
1	Network structure and transcriptomic vulnerability shape atrophy in frontotemporal dementia. <i>Brain</i> , 2023, 146, 321-336.	3.7	30
2	Preclinical <i>in vivo</i> longitudinal assessment of KG207-M as a disease-modifying Alzheimer's disease therapeutic. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 788-801.	2.4	8
3	Regional Cerebellar Volume Loss Predicts Future Disability in Multiple Sclerosis Patients. <i>Cerebellum</i> , 2022, 21, 632-646.	1.4	8
4	Relationship between impulsivity, uncontrolled eating and body mass index: a hierarchical model. <i>International Journal of Obesity</i> , 2022, 46, 129-136.	1.6	12
5	A sub+cortical fMRI-based surface parcellation. <i>Human Brain Mapping</i> , 2022, 43, 616-632.	1.9	10
6	White matter hyperintensities are associated with grey matter atrophy and cognitive decline in Alzheimer's disease and frontotemporal dementia. <i>Neurobiology of Aging</i> , 2022, 111, 54-63.	1.5	22
7	Regional brain atrophy and cognitive decline depend on definition of subjective cognitive decline. <i>NeuroImage: Clinical</i> , 2022, 33, 102923.	1.4	16
8	Ventricular features as reliable differentiators between bvFTD and other dementias. <i>NeuroImage: Clinical</i> , 2022, 33, 102947.	1.4	9
9	Diffusely abnormal white matter converts to T2 lesion volume in the absence of MRI-detectable acute inflammation. <i>Brain</i> , 2022, 145, 2008-2017.	3.7	5
10	Sex-specific associations between maternal pregnancy-specific anxiety and newborn amygdalar volumes - preliminary findings from the FinnBrain Birth Cohort Study. <i>Stress</i> , 2022, 25, 213-226.	0.8	1
11	Ultrasound-based navigated pedicle screw insertion without intraoperative radiation: feasibility study on porcine cadavers. <i>Spine Journal</i> , 2022, 22, 1408-1417.	0.6	1
12	DARQ: Deep learning of quality control for stereotaxic registration of human brain MRI to the T1w MNI-ICBM 152 template. <i>NeuroImage</i> , 2022, 257, 119266.	2.1	7
13	Fast Streamline Search: An Exact Technique for Diffusion MRI Tractography. <i>Neuroinformatics</i> , 2022, 20, 1093-1104.	1.5	1
14	White matter lesions may be an early marker for age-related cognitive decline. <i>NeuroImage: Clinical</i> , 2022, 35, 103096.	1.4	13
15	Estimating medical image registration error and confidence: A taxonomy and scoping review. <i>Medical Image Analysis</i> , 2022, 81, 102531.	7.0	7
16	Conversion of diffusely abnormal white matter to focal lesions is linked to progression in secondary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 208-219.	1.4	12
17	The Longitudinal Assessment of Neuropsychiatric Symptoms in Mild Cognitive Impairment and Alzheimer's Disease and Their Association With White Matter Hyperintensities in the National Alzheimer's Coordinating Center's Uniform Data Set. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 70-78.	1.1	22
18	Amyloid and Tau Pathology Associations With Personality Traits, Neuropsychiatric Symptoms, and Cognitive Lifestyle in the Preclinical Phases of Sporadic and Autosomal Dominant Alzheimer's Disease. <i>Biological Psychiatry</i> , 2021, 89, 776-785.	0.7	30

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19	BISON: Brain tissue segmentation pipeline using T ₁ -weighted magnetic resonance images and a random forest classifier. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1881-1894.	1.9	15
20	Pupil dilation during orienting of attention and conscious detection of visual targets in patients with left spatial neglect. <i>Cortex</i> , 2021, 134, 265-277.	1.1	9
21	A variation in the infant oxytocin receptor gene modulates infant hippocampal volumes in association with sex and prenatal maternal anxiety. <i>Psychiatry Research - Neuroimaging</i> , 2021, 307, 111207.	0.9	6
22	Fast Tractography Streamline Search. <i>Lecture Notes in Computer Science</i> , 2021, , 82-95.	1.0	1
23	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2021, 31, 102733.	1.4	42
24	Evaluation of an Ultrasound-Based Navigation System for Spine Neurosurgery: A Porcine Cadaver Study. <i>Frontiers in Oncology</i> , 2021, 11, 619204.	1.3	5
25	Neonatal amygdala volumes and the development of self-regulation from early infancy to toddlerhood. <i>Neuropsychology</i> , 2021, 35, 285-299.	1.0	5
26	MRI data-driven algorithm for the diagnosis of behavioural variant frontotemporal dementia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 608-616.	0.9	10
27	Quantitation of Tissue Resection Using a Brain Tumor Model and 7-T Magnetic Resonance Imaging Technology. <i>World Neurosurgery</i> , 2021, 148, e326-e339.	0.7	2
28	Bundle-specific associations between white matter microstructure and A β and tau pathology in preclinical Alzheimer's disease. <i>ELife</i> , 2021, 10, .	2.8	26
29	Multimodal neuroimaging markers of variation in cognitive ability in older HIV+ men. <i>PLoS ONE</i> , 2021, 16, e0243670.	1.1	3
30	Spine and Individual Vertebrae Segmentation in Computed Tomography Images Using Geometric Flows and Shape Priors. <i>Frontiers in Computer Science</i> , 2021, 3, .	1.7	7
31	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. <i>ELife</i> , 2021, 10, .	2.8	42
32	MNI-FTD templates, unbiased average templates of frontotemporal dementia variants. <i>Scientific Data</i> , 2021, 8, 222.	2.4	5
33	A voxel-wise assessment of growth differences in infants developing autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2021, 29, 102551.	1.4	8
34	Automatic Prediction of Cognitive and Functional Decline Can Significantly Decrease the Number of Subjects Required for Clinical Trials in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1-8.	1.2	2
35	Disrupted cognitive development following pediatric acquired demyelinating syndromes: a longitudinal study. <i>Child Neuropsychology</i> , 2021, , 1-22.	0.8	0
36	Despite heightened risk of cognitive decline, no evidence of local atrophy in people with subjective cognitive decline compared to normal controls in ADNI. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0

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37	Interaction Driven Enhancement of Depth Perception in Angiographic Volumes. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2020, 26, 2247-2257.	2.9	5
38	Accurate and robust segmentation of neuroanatomy in T1-weighted MRI by combining spatial priors with deep convolutional neural networks. <i>Human Brain Mapping</i> , 2020, 41, 309-327.	1.9	21
39	Tight Coupling between Morphological Features of the Central Sulcus and Somatomotor Body Representations: A Combined Anatomical and Functional MRI Study. <i>Cerebral Cortex</i> , 2020, 30, 1843-1854.	1.6	25
40	MRI and cognitive scores complement each other to accurately predict Alzheimer's dementia 2 to 7 years before clinical onset. <i>NeuroImage: Clinical</i> , 2020, 25, 102121.	1.4	16
41	“œ If He Has it, We Know What to Do” Parent Perspectives on Familial Risk for Autism Spectrum Disorder. <i>Journal of Pediatric Psychology</i> , 2020, 45, 121-130.	1.1	14
42	Sex-specific association between infant caudate volumes and a polygenic risk score for major depressive disorder. <i>Journal of Neuroscience Research</i> , 2020, 98, 2529-2540.	1.3	10
43	The temporal relationships between white matter hyperintensities, neurodegeneration, amyloid beta, and cognition. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12091.	1.2	26
44	Cerebral atrophy in amyotrophic lateral sclerosis parallels the pathological distribution of TDP43. <i>Brain Communications</i> , 2020, 2, fcaa061.	1.5	22
45	Partial Support for an Interaction Between a Polygenic Risk Score for Major Depressive Disorder and Prenatal Maternal Depressive Symptoms on Infant Right Amygdalar Volumes. <i>Cerebral Cortex</i> , 2020, 30, 6121-6134.	1.6	21
46	Creating a Comprehensive Research Platform for Surgical Technique and Operative Outcome in Primary Brain Tumor Neurosurgery. <i>World Neurosurgery</i> , 2020, 144, e62-e71.	0.7	9
47	White matter hyperintensities and neuropsychiatric symptoms in mild cognitive impairment and Alzheimer’s disease. <i>NeuroImage: Clinical</i> , 2020, 28, 102367.	1.4	28
48	Newborn amygdalar volumes are associated with maternal prenatal psychological distress in a sex-dependent way. <i>NeuroImage: Clinical</i> , 2020, 28, 102380.	1.4	25
49	Open-source software for ultrasound-based guidance in spinal fusion surgery. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3353-3368.	0.7	4
50	Cerebra, registration and manual label correction of Mindboggle-101 atlas for MNI-ICBM152 template. <i>Scientific Data</i> , 2020, 7, 237.	2.4	43
51	Reply To: Cerebral Vasomotor Reactivity in Parkinson's Disease: A Missing Link between Dysautonomia, White Matter Lesions, and Cognitive Decline?. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 996-998.	0.8	0
52	Automatic extraction of vertebral landmarks from ultrasound images: A pilot study. <i>Computers in Biology and Medicine</i> , 2020, 122, 103838.	3.9	6
53	White Matter Hyperintensities Mediate Impact of Dysautonomia on Cognition in Parkinson's Disease. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 639-647.	0.8	32
54	Neuroanatomical changes in white and grey matter after sleeve gastrectomy. <i>NeuroImage</i> , 2020, 213, 116696.	2.1	19

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55	Brain volume loss in individuals over time: Source of variance and limits of detectability. <i>NeuroImage</i> , 2020, 214, 116737.	2.1	11
56	The state-of-the-art in ultrasound-guided spine interventions. <i>Medical Image Analysis</i> , 2020, 65, 101769.	7.0	20
57	Quantitative trait variation in ASD probands and toddler sibling outcomes at 24 months. <i>Journal of Neurodevelopmental Disorders</i> , 2020, 12, 5.	1.5	18
58	Automated separation of diffusely abnormal white matter from focal white matter lesions on MRI in multiple sclerosis. <i>NeuroImage</i> , 2020, 213, 116690.	2.1	11
59	Morphometric network differences in ageing versus Alzheimer's disease dementia. <i>Brain</i> , 2020, 143, 635-649.	3.7	37
60	MARIN: an open-source mobile augmented reality interactive neuronavigation system. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1013-1021.	1.7	22
61	The Essential Role of Open Data and Software for the Future of Ultrasound-Based Neuronavigation. <i>Frontiers in Oncology</i> , 2020, 10, 619274.	1.3	1
62	Brain Shift in Neuronavigation of Brain Tumors: An Updated Review of Intra-Operative Ultrasound Applications. <i>Frontiers in Oncology</i> , 2020, 10, 618837.	1.3	36
63	Detection and clinical correlation of leukocortical lesions in pediatric-onset multiple sclerosis on multi-contrast MRI. <i>Multiple Sclerosis Journal</i> , 2019, 25, 980-986.	1.4	11
64	Neuroanatomical differences in obesity: meta-analytic findings and their validation in an independent dataset. <i>International Journal of Obesity</i> , 2019, 43, 943-951.	1.6	116
65	The Canadian Dementia Imaging Protocol: Harmonization validity for morphometry measurements. <i>NeuroImage: Clinical</i> , 2019, 24, 101943.	1.4	10
66	Toward real-time rigid registration of intra-operative ultrasound with preoperative CT images for lumbar spinal fusion surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1933-1943.	1.7	12
67	An accurate registration of the BigBrain dataset with the MNI PD25 and ICBM152 atlases. <i>Scientific Data</i> , 2019, 6, 210.	2.4	39
68	Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. <i>NeuroImage</i> , 2019, 203, 116155.	2.1	9
69	Assessment of a prognostic MRI biomarker in early de novo Parkinson's disease. <i>NeuroImage: Clinical</i> , 2019, 24, 101986.	1.4	26
70	Brain atrophy and patch-based grading in individuals from the CIMA-Q study: a progressive continuum from subjective cognitive decline to AD. <i>Scientific Reports</i> , 2019, 9, 13532.	1.6	2
71	The hippocampal-to-ventricle ratio (HVR): Presentation of a manual segmentation protocol and preliminary evidence. <i>NeuroImage</i> , 2019, 203, 116108.	2.1	5
72	Two novel PET image restoration methods guided by PET-MR kernels: Application to brain imaging. <i>Medical Physics</i> , 2019, 46, 2085-2102.	1.6	4

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73	Comparison of Multiple Sclerosis Cortical Lesion Types Detected by Multicontrast 3T and 7T MRI. <i>American Journal of Neuroradiology</i> , 2019, 40, 1162-1169.	1.2	34
74	The Importance of Temperament for Understanding Early Manifestations of Autism Spectrum Disorder in High-Risk Infants. <i>Journal of Autism and Developmental Disorders</i> , 2019, 49, 2849-2863.	1.7	25
75	White matter microstructure is associated with hyperactive/inattentive symptomatology and polygenic risk for attention-deficit/hyperactivity disorder in a population-based sample of adolescents. <i>Neuropsychopharmacology</i> , 2019, 44, 1597-1603.	2.8	22
76	Cognitive load associations when utilizing auditory display within image-guided neurosurgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1431-1438.	1.7	5
77	Cortical and subcortical T1 white/gray contrast, chronological age, and cognitive performance. <i>NeuroImage</i> , 2019, 196, 276-288.	2.1	25
78	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2556-2568.	5.4	165
79	Enhanced Recruitment During Executive Control Processing in Cognitively Preserved Patients With Pediatric-Onset MS. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 432-442.	1.2	2
80	Predictive model of spread of Parkinson's pathology using network diffusion. <i>NeuroImage</i> , 2019, 192, 178-194.	2.1	61
81	Fast Registration of CT with Intra-operative Ultrasound Images for Spine Surgery. <i>Lecture Notes in Computer Science</i> , 2019, , 29-40.	1.0	5
82	Age-specific associations between oestradiol, corticosterone, amygdalar structural covariance, and verbal and spatial skills. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12698.	1.2	2
83	A surface-in gradient of thalamic damage evolves in pediatric multiple sclerosis. <i>Annals of Neurology</i> , 2019, 85, 340-351.	2.8	42
84	Abnormal effector and regulatory T cell subsets in paediatric-onset multiple sclerosis. <i>Brain</i> , 2019, 142, 617-632.	3.7	72
85	The Consortium for the early identification of Alzheimer's disease—Quebec (CIMA—Q). <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 787-796.	1.2	21
86	HIV infection and cerebral small vessel disease are independently associated with brain atrophy and cognitive impairment. <i>Aids</i> , 2019, 33, 1197-1205.	1.0	41
87	Deformation based morphometry study of longitudinal MRI changes in behavioral variant frontotemporal dementia. <i>NeuroImage: Clinical</i> , 2019, 24, 102079.	1.4	44
88	The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 456-465.	1.9	101
89	White matter in different regions evolves differently during progression to dementia. <i>Neurobiology of Aging</i> , 2019, 76, 71-79.	1.5	49
90	A longitudinal study of parent-reported sensory responsiveness in toddlers at risk for autism. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 314-324.	3.1	50

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91	A clinical-anatomical signature of Parkinson's disease identified with partial least squares and magnetic resonance imaging. <i>NeuroImage</i> , 2019, 190, 69-78.	2.1	66
92	Proximity to Parental Symptom Onset and Amyloid- β Burden in Sporadic Alzheimer Disease. <i>JAMA Neurology</i> , 2018, 75, 608.	4.5	19
93	An augmented-reality system prototype for guiding transcranial Doppler ultrasound examination. <i>Multimedia Tools and Applications</i> , 2018, 77, 27789-27805.	2.6	5
94	White matter degeneration profile in the cognitive cortico-subcortical tracts in Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 1139-1150.	2.2	11
95	Subjective Cognitive Decline Is Associated With Altered Default Mode Network Connectivity in Individuals With a Family History of Alzheimer's Disease. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 463-472.	1.1	41
96	Network connectivity determines cortical thinning in early Parkinson's disease progression. <i>Nature Communications</i> , 2018, 9, 12.	5.8	198
97	Longitudinal Trajectories of Brain Volume and Cortical Thickness in Treated and Untreated Primary Human Immunodeficiency Virus Infection. <i>Clinical Infectious Diseases</i> , 2018, 67, 1697-1704.	2.9	67
98	A comparison of publicly available linear MRI stereotaxic registration techniques. <i>NeuroImage</i> , 2018, 174, 191-200.	2.1	120
99	Toward defining deep brain stimulation targets in MNI space: A subcortical atlas based on multimodal MRI, histology and structural connectivity. <i>NeuroImage</i> , 2018, 170, 271-282.	2.1	422
100	Parent Support of Preschool Peer Relationships in Younger Siblings of Children with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 1122-1132.	1.7	10
101	PAM50: Unbiased multimodal template of the brainstem and spinal cord aligned with the ICBM152 space. <i>NeuroImage</i> , 2018, 165, 170-179.	2.1	143
102	Validation of T1-weighted based segmentations of white matter hyperintensity volumes in large-scale datasets of aging. <i>Human Brain Mapping</i> , 2018, 39, 1093-1107.	1.9	65
103	Association of Brain Structure Changes and Cognitive Function With Combination Antiretroviral Therapy in HIV-Positive Individuals. <i>JAMA Neurology</i> , 2018, 75, 72.	4.5	94
104	ICP-166: BASELINE DIFFERENCES IN BRAIN MORPHOMETRY AND IMAGE GRADING OF INDIVIDUALS ON THE CONTINUUM FROM SUBJECTIVE COGNITIVE DECLINE TO AD: RESULTS FROM THE CIMA-Q STUDY. <i>Alzheimer's and Dementia</i> , 2018, 14, P139.	0.4	0
105	P3-374: BASELINE DIFFERENCES IN BRAIN MORPHOMETRY AND IMAGE GRADING OF INDIVIDUALS ON THE CONTINUUM FROM SUBJECTIVE COGNITIVE DECLINE TO AD: RESULTS FROM THE CIMA-Q STUDY. <i>Alzheimer's and Dementia</i> , 2018, 14, P1234.	0.4	0
106	Gesture-based registration correction using a mobile augmented reality image-guided neurosurgery system. <i>Healthcare Technology Letters</i> , 2018, 5, 137-142.	1.9	11
107	White matter hyperintensities are linked to future cognitive decline in de novo Parkinson's disease patients. <i>NeuroImage: Clinical</i> , 2018, 20, 892-900.	1.4	53
108	F67. Increased Amygdalar Activation to Angry Faces is Linked to Reduced Prefrontal Cortical Thickness and Hyperactive/Inattentive Symptomatology in Adolescents. <i>Biological Psychiatry</i> , 2018, 83, S263-S264.	0.7	0

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109	Improving the SIENA performance using BEaST brain extraction. PLoS ONE, 2018, 13, e0196945.	1.1	6
110	Guest editorial for the IJCARS special issue on MICCAI 2017. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1309-1310.	1.7	0
111	Language delay aggregates in toddler siblings of children with autism spectrum disorder. Journal of Neurodevelopmental Disorders, 2018, 10, 29.	1.5	37
112	Physical activity and dentate gyrus volume in pediatric acquired demyelinating syndromes. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e499.	3.1	4
113	Morphometric MRI as a diagnostic biomarker of frontotemporal dementia: A systematic review to determine clinical applicability. NeuroImage: Clinical, 2018, 20, 685-696.	1.4	32
114	The relationship between brain atrophy and cognitive-behavioural symptoms in retired Canadian football players with multiple concussions. NeuroImage: Clinical, 2018, 19, 551-558.	1.4	37
115	The EADC-ADNI harmonized protocol for hippocampal segmentation: A validation study. NeuroImage, 2018, 181, 142-148.	2.1	7
116	Involvement of the Amygdala in Memory and Psychosocial Functioning in Pediatric-Onset Multiple Sclerosis. Developmental Neuropsychology, 2018, 43, 524-534.	1.0	12
117	Warping an atlas derived from serial histology to 5 high-resolution MRIs. Scientific Data, 2018, 5, 180107.	2.4	35
118	An efficient and accurate method for robust inter-dataset brain extraction and comparisons with 9 other methods. Human Brain Mapping, 2018, 39, 4241-4257.	1.9	4
119	Special Issue on MICCAI 2017. Medical Image Analysis, 2018, 48, 259.	7.0	0
120	Neurobehavioral correlates of obesity are largely heritable. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9312-9317.	3.3	105
121	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. NeuroImage, 2018, 183, 150-172.	2.1	80
122	Combining intraoperative ultrasound brain shift correction and augmented reality visualizations: a pilot study of eight cases. Journal of Medical Imaging, 2018, 5, 1.	0.8	27
123	PRISM: An open source framework for the interactive design of GPU volume rendering shaders. PLoS ONE, 2018, 13, e0193636.	1.1	9
124	A novel framework for the local extraction of extra-axial cerebrospinal fluid from MR brain images. , 2018, 10574, .		2
125	Splenium development and early spoken language in human infants. Developmental Science, 2017, 20, e12360.	1.3	36
126	Interplay of hippocampal volume and hypothalamus-pituitary-adrenal axis function as markers of stress vulnerability in men at ultra-high risk for psychosis. Psychological Medicine, 2017, 47, 471-483.	2.7	27

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127	Age-related volumetric change of limbic structures and subclinical anxious/depressed symptomatology in typically developing children and adolescents. <i>Biological Psychology</i> , 2017, 124, 133-140.	1.1	38
128	The impact of automated hippocampal volumetry on diagnostic confidence in patients with suspected Alzheimer's disease: A European Alzheimer's Disease Consortium study. <i>Alzheimer's and Dementia</i> , 2017, 13, 1013-1023.	0.4	33
129	Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. <i>Biological Psychiatry</i> , 2017, 82, 186-193.	0.7	173
130	Early brain development in infants at high risk for autism spectrum disorder. <i>Nature</i> , 2017, 542, 348-351.	13.7	808
131	Validation of a Regression Technique for Segmentation of White Matter Hyperintensities in Alzheimer's Disease. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1758-1768.	5.4	85
132	A comparison of accurate automatic hippocampal segmentation methods. <i>NeuroImage</i> , 2017, 155, 383-393.	2.1	35
133	Neural circuitry at age 6 months associated with later repetitive behavior and sensory responsiveness in autism. <i>Molecular Autism</i> , 2017, 8, 8.	2.6	111
134	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, .	5.8	264
135	Monophasic demyelination reduces brain growth in children. <i>Neurology</i> , 2017, 88, 1744-1750.	1.5	43
136	Recollection and familiarity in aging individuals: Gaining insight into relationships with medial temporal lobe structural integrity. <i>Hippocampus</i> , 2017, 27, 692-701.	0.9	4
137	The Emergence of Network Inefficiencies in Infants With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 82, 176-185.	0.7	93
138	Sex-specific associations of testosterone with prefrontal-hippocampal development and executive function. <i>Psychoneuroendocrinology</i> , 2017, 76, 206-217.	1.3	44
139	Dehydroepiandrosterone impacts working memory by shaping cortico-hippocampal structural covariance during development. <i>Psychoneuroendocrinology</i> , 2017, 86, 110-121.	1.3	27
140	Structural plasticity of the social brain: Differential change after socio-affective and cognitive mental training. <i>Science Advances</i> , 2017, 3, e1700489.	4.7	184
141	Deficit in Central Auditory Processing as a Biomarker of Pre-Clinical Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1589-1600.	1.2	41
142	Subcortical Brain and Behavior Phenotypes Differentiate Infants With Autism Versus Language Delay. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 664-672.	1.1	71
143	Towards Automatic Collateral Circulation Score Evaluation in Ischemic Stroke Using Image Decompositions and Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2017, , 158-167.	1.0	7
144	976. Estradiol, Cortico-Amygdalar Structural Networks and Cognitive Development. <i>Biological Psychiatry</i> , 2017, 81, S395.	0.7	0

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145	Familiarity deficits in cognitively normal aging individuals with APOE ε4: A follow-up investigation of medial temporal lobe structural correlates. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 9, 21-24.	1.2	4
146	Regionally Specific Brain Volumetric and Cortical Thickness Changes in HIV-Infected Patients in the HAART Era. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 74, 563-570.	0.9	75
147	Performance comparison of 10 different classification techniques in segmenting white matter hyperintensities in aging. NeuroImage, 2017, 157, 233-249.	2.1	79
148	Brain shift in neuronavigation of brain tumors: A review. Medical Image Analysis, 2017, 35, 403-420.	7.0	214
149	IBIS: an OR ready open-source platform for image-guided neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 363-378.	1.7	74
150	SCT: Spinal Cord Toolbox, an open-source software for processing spinal cord MRI data. NeuroImage, 2017, 145, 24-43.	2.1	390
151	Quantifying attention shifts in augmented reality image-guided neurosurgery. Healthcare Technology Letters, 2017, 4, 188-192.	1.9	72
152	Distance sonification in image-guided neurosurgery. Healthcare Technology Letters, 2017, 4, 199-203.	1.9	6
153	Resting-state fMRI in sleeping infants more closely resembles adult sleep than adult wakefulness. PLoS ONE, 2017, 12, e0188122.	1.1	51
154	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson's disease cohort. Data in Brief, 2017, 12, 370-379.	0.5	94
155	MINC 2.0: A Flexible Format for Multi-Modal Images. Frontiers in Neuroinformatics, 2016, 10, 35.	1.3	65
156	MR-guided PET image denoising. , 2016, , .		1
157	Structural Brain Alterations Associated with Rapid Eye Movement Sleep Behavior Disorder in Parkinson's Disease. Scientific Reports, 2016, 6, 26782.	1.6	101
158	P1-280: Relative Risk Ratio for MRI Patch-Based Appearance Metric for Future Decline in Cognitively Healthy ADNI Participants. , 2016, 12, P525-P526.		0
159	IC-P-093: Deformation Based Morphometry Study of Retired CFL Football Players. , 2016, 12, P71-P72.		1
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