Alan C Evans

List of Publications by Year in Descending Order

523 papers	70,323 citations	132 h-index	259 g-index
585 ext. papers	80,448 ext. citations	6.3 avg, IF	7.71 L-index

#	Paper	IF	Citations
523	General cognitive ability and pericortical contrast. *Intelligence*, **2022**, 91, 101633	3	
522	Robust brain MR image compressive sensing via re-weighted total variation and sparse regression. *Magnetic Resonance Imaging*, **2022**, 85, 271-286	3.3	1
521	CAPTURE ALS: the comprehensive analysis platform to understand, remedy and eliminate ALS.. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2022**, 1-7	3.6	0
520	Harmonized-Multinational qEEG Norms (HarMNqEEG).. *NeuroImage*, **2022**, 119190	7.9	1
519	EEG effective connectivity during the first year of life mirrors brain synaptogenesis, myelination, and early right hemisphere predominance: EEG effective connectivity during the first year of life.. *NeuroImage*, **2022**, 119035	7.9	0
518	Medial temporal lobe and basal ganglia volume trajectories in persistent negative symptoms following a first episode of psychosis.. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2022**, 110551	5.5	0
517	Early protein energy malnutrition impacts life-long developmental trajectories of the sources of EEG rhythmic activity.. *NeuroImage*, **2022**, 254, 119144	7.9	1
516	A sub+cortical fMRI-based surface parcellation. *Human Brain Mapping*, **2021**,	5.9	1
515	WeBrain: A web-based brainformatics platform of computational ecosystem for EEG big data analysis. *NeuroImage*, **2021**, 245, 118713	7.9	2
514	A call for international research on COVID-19-induced brain dysfunctions.. *National Science Review*, **2021**, 8, nwab190	10.8	3
513	Numerical uncertainty in analytical pipelines lead to impactful variability in brain networks. *PLoS ONE*, **2021**, 16, e0250755	3.7	1
512	Robust Cortical Thickness Morphometry of Neonatal Brain and Systematic Evaluation Using Multi-Site MRI Datasets. *Frontiers in Neuroscience*, **2021**, 15, 650082	5.1	1
511	Four distinct trajectories of tau deposition identified in Alzheimer's disease. *Nature Medicine*, **2021**, 27, 871-881	50.5	81
510	Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel. *Alzheimer's and Dementia*, **2021**, 17, 1528-1553	1.2	12
509	Association vs. Prediction: The Impact of Cortical Surface Smoothing and Parcellation on Brain Age. *Frontiers in Big Data*, **2021**, 4, 637724	2.8	2
508	Research Consortia and Large-Scale Data Repositories for Studying Intelligence **2021**, 70-82		
507	The C-BIG Repository: an Institution-Level Open Science Platform. *Neuroinformatics*, **2021**, 1	3.2	3

506	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. *Nature Methods*, **2021**, 18, 698-700	21.6	7
505	Maturational trajectories of pericortical contrast in typical brain development. *NeuroImage*, **2021**, 235, 117974	7.9	3
504	A Simulation Toolkit for Testing the Sensitivity and Accuracy of Corticometry Pipelines. *Frontiers in Neuroinformatics*, **2021**, 15, 665560	3.9	
503	Networks-Mediated Spreading of Pathology in Neurodegenerative Diseases **2021**, 171-186		0
502	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimer's disease. *NeuroImage: Clinical*, **2021**, 31, 102733	5.3	7
501	AutoEncoder for Neuroimage. *Lecture Notes in Computer Science*, **2021**, 84-90	0.9	
500	Interaction of CSF synuclein and amyloid beta in cognition and cortical atrophy. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2021**, 13, e12177	5.2	2
499	A High-Resolution Model of the Human Entorhinal Cortex in the BigBrain Use Case for Machine Learning and 3D Analyses. *Lecture Notes in Computer Science*, **2021**, 3-21	0.9	1
498	CIVET-Macaque: An automated pipeline for MRI-based cortical surface generation and cortical thickness in macaques. *NeuroImage*, **2021**, 227, 117622	7.9	3
497	Effect of Alzheimer's Disease and Lewy Body Disease on Metabolic Changes. *Journal of Alzheimer's Disease*, **2021**, 79, 1471-1487	4.3	1
496	The Cuban Human Brain Mapping Project, a young and middle age population-based EEG, MRI, and cognition dataset. *Scientific Data*, **2021**, 8, 45	8.2	13
495	EEG measures for clinical research in major vascular cognitive impairment: recommendations by an expert panel. *Neurobiology of Aging*, **2021**, 103, 78-97	5.6	3
494	U-net model for brain extraction: Trained on humans for transfer to non-human primates. *NeuroImage*, **2021**, 235, 118001	7.9	9
493	The LORIS MyeliNeuroGene rare disease database for natural history studies and clinical trial readiness. *Orphanet Journal of Rare Diseases*, **2021**, 16, 328	4.2	1
492	Implication of metabolic and dopamine transporter PET in dementia with Lewy bodies. *Scientific Reports*, **2021**, 11, 14394	4.9	1
491	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. *ELife*, **2021**, 10,	8.9	5
490	Association of Cannabis Use During Adolescence With Neurodevelopment. *JAMA Psychiatry*, **2021**,	14.5	18
489	Longitudinal Prediction of Infant MR Images With Multi-Contrast Perceptual Adversarial Learning. *Frontiers in Neuroscience*, **2021**, 15, 653213	5.1	0

488	Convolutional neural networks for cytoarchitectonic brain mapping at large scale. *NeuroImage*, **2021**, 240, 118327	7.9	4
487	Spontaneous neural activity changes after bariatric surgery: A resting-state fMRI study. *NeuroImage*, **2021**, 241, 118419	7.9	1
486	A voxel-wise assessment of growth differences in infants developing autism spectrum disorder. *NeuroImage: Clinical*, **2021**, 29, 102551	5.3	3
485	Association of ßAmyloid and Basal Forebrain With Cortical Thickness and Cognition in Alzheimer and Lewy Body Disease Spectra.. *Neurology*, **2021**,	6.5	1
484	Alterations of cortical thickness and gray-white matter contrast in Alzheimerß disease and Lewy body-related cognitive impairment. *Alzheimerßs and Dementia*, **2020**, 16, e041245	1.2	1
483	EEG-IP: an international infant EEG data integration platform for the study of risk and resilience in autism and related conditions. *Molecular Medicine*, **2020**, 26, 40	6.2	7
482	Altered hippocampal centrality and dynamic anatomical covariance of intracortical microstructure in first episode psychosis. *Hippocampus*, **2020**, 30, 1058-1072	3.5	3
481	Resting EEG effective connectivity at the sources in developmental dysphonetic dyslexia. Differences with non-specific reading delay. *International Journal of Psychophysiology*, **2020**, 153, 135-147	2.9	4
480	Spread of pathological tau proteins through communicating neurons in human Alzheimer's disease. *Nature Communications*, **2020**, 11, 2612	17.4	118
479	Influence of Processing Pipeline on Cortical Thickness Measurement. *Cerebral Cortex*, **2020**, 30, 5014-5027	5.1	17
478	Quantitative trait variation in ASD probands and toddler sibling outcomes at 24 months. *Journal of Neurodevelopmental Disorders*, **2020**, 12, 5	4.6	7
477	A molecular gradient along the longitudinal axis of the human hippocampus informs large-scale behavioral systems. *Nature Communications*, **2020**, 11, 960	17.4	40
476	Association of Vascular Risk Factors With ßAmyloid Peptide and Tau Burdens in Cognitively Unimpaired Individuals and Its Interaction With Vascular Medication Use. *JAMA Network Open*, **2020**, 3, e1920780	10.4	17
475	Changes in peri-calcarine cortical thickness in blindsight. *Neuropsychologia*, **2020**, 143, 107463	3.2	2
474	Myeloarchitecture gradients in the human insula: Histological underpinnings and association to intrinsic functional connectivity. *NeuroImage*, **2020**, 216, 116859	7.9	15
473	Convergence of cortical types and functional motifs in the human mesiotemporal lobe. *ELife*, **2020**, 9,	8.9	19
472	Deep Discriminative Learning for Autism Spectrum Disorder Classification. *Lecture Notes in Computer Science*, **2020**, 435-443	0.9	0
471	File-based localization of numerical perturbations in data analysis pipelines. *GigaScience*, **2020**, 9,	7.6	4

470	Neural Correlates of Cognitive Performance in Alzheimer's Disease- and Lewy Bodies-Related Cognitive Impairment. *Journal of Alzheimer's Disease*, **2020**, 73, 873-885	4.3	1
469	Sex-specific association between infant caudate volumes and a polygenic risk score for major depressive disorder. *Journal of Neuroscience Research*, **2020**, 98, 2529-2540	4.4	1
468	Mutations associated with neuropsychiatric conditions delineate functional brain connectivity dimensions contributing to autism and schizophrenia. *Nature Communications*, **2020**, 11, 5272	17.4	13
467	Distinct influence of parental occupation on cortical thickness and surface area in children and adolescents: Relation to self-esteem. *Human Brain Mapping*, **2020**, 41, 5097-5113	5.9	4
466	Cover Image, Volume 30, Issue 10. *Hippocampus*, **2020**, 30, C1	3.5	
465	Neural correlates of polygenic risk score for autism spectrum disorders in general population. *Brain Communications*, **2020**, 2, fcaa092	4.5	5
464	A Novel Method for High-Dimensional Anatomical Mapping of Extra-Axial Cerebrospinal Fluid: Application to the Infant Brain. *Frontiers in Neuroscience*, **2020**, 14, 561556	5.1	1
463	A Quantitative EEG Toolbox for the MNI Neuroinformatics Ecosystem: Normative SPM of EEG Source Spectra. *Frontiers in Neuroinformatics*, **2020**, 14, 33	3.9	5
462	Comparing perturbation models for evaluating stability of neuroimaging pipelines. *International Journal of High Performance Computing Applications*, **2020**, 34, 491-501	1.8	6
461	Newborn amygdalar volumes are associated with maternal prenatal psychological distress in a sex-dependent way. *NeuroImage: Clinical*, **2020**, 28, 102380	5.3	8
460	A five-year longitudinal study reveals progressive cortical thinning in narcolepsy and faster cortical thinning in relation to early-onset. *Brain Imaging and Behavior*, **2020**, 14, 200-212	4.1	4
459	Brain status modeling with non-negative projective dictionary learning. *NeuroImage*, **2020**, 206, 116226	7.9	4
458	Quantitative In vivo MRI Assessment of Structural Asymmetries and Sexual Dimorphism of Transient Fetal Compartments in the Human Brain. *Cerebral Cortex*, **2020**, 30, 1752-1767	5.1	17
457	Intersection of verbal memory and expressivity on cortical contrast and thickness in first episode psychosis. *Psychological Medicine*, **2020**, 50, 1923-1936	6.9	4
456	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. *PLoS Biology*, **2020**, 18, e3000678	9.7	44
455	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices **2020**, 18, e3000678		
454	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices **2020**, 18, e3000678		
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450	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices **2020**, 18, e3000678		
449	**2019**,		4
448	Mild traumatic brain injury: The effect of age at trauma onset on brain structure integrity. *NeuroImage: Clinical*, **2019**, 23, 101907	5.3	9
447	Microstructural and functional gradients are increasingly dissociated in transmodal cortices. *PLoS Biology*, **2019**, 17, e3000284	9.7	131
446	The Importance of Temperament for Understanding Early Manifestations of Autism Spectrum Disorder in High-Risk Infants. *Journal of Autism and Developmental Disorders*, **2019**, 49, 2849-2863	4.6	17
445	White matter microstructure is associated with hyperactive/inattentive symptomatology and polygenic risk for attention-deficit/hyperactivity disorder in a population-based sample of adolescents. *Neuropsychopharmacology*, **2019**, 44, 1597-1603	8.7	14
444	Amygdalar reactivity is associated with prefrontal cortical thickness in a large population-based sample of adolescents. *PLoS ONE*, **2019**, 14, e0216152	3.7	3
443	T34. DECREASED STRUCTURAL CONNECTIVITY IN FIRST-EPISODE PSYCHOSIS IN A VERBAL MEMORY NETWORK DERIVED FROM PARTIAL LEAST SQUARES REGRESSION. *Schizophrenia Bulletin*, **2019**, 45, S216-S216	1.3	78
442	Cortical and subcortical T1 white/gray contrast, chronological age, and cognitive performance. *NeuroImage*, **2019**, 196, 276-288	7.9	15
441	Test-retest reliability of Diffusion Tensor Imaging metrics in neonates. *NeuroImage*, **2019**, 197, 598-607	7.9	14
440	A Serverless Tool for Platform Agnostic Computational Experiment Management. *Frontiers in Neuroinformatics*, **2019**, 13, 12	3.9	7
439	Structural Associations of Cortical Contrast and Thickness in First Episode Psychosis. *Cerebral Cortex*, **2019**, 29, 5009-5021	5.1	10
438	O7.2. ALTERED HIPPOCAMPAL CENTRALITY IN RELATION TO COORDINATED CHANGES OF INTRACORTICAL MICROSTRUCTURE IN FIRST EPISODE PSYCHOSIS. *Schizophrenia Bulletin*, **2019**, 45, S179-S180	1.3	1
437	Effects of Lewy body disease and Alzheimer disease on brain atrophy and cognitive dysfunction. *Neurology*, **2019**, 92, e2015-e2026	6.5	18
436	Neuroanatomical differences in obesity: meta-analytic findings and their validation in an independent dataset. *International Journal of Obesity*, **2019**, 43, 943-951	5.5	59
435	The Comprehensive Assessment of Neurodegeneration and Dementia: Canadian Cohort Study. *Canadian Journal of Neurological Sciences*, **2019**, 46, 499-511	1	28

434	Topographical Heterogeneity of Alzheimer's Disease Based on MR Imaging, Tau PET, and Amyloid PET. *Frontiers in Aging Neuroscience*, **2019**, 11, 211	5.3	14
433	Head motion: the dirty little secret of neuroimaging in psychiatry. *Journal of Psychiatry and Neuroscience*, **2019**, 44, 62-68	4.5	23
432	Modeling and Analysis Brain Development via Discriminative Dictionary Learning. *Lecture Notes in Computer Science*, **2019**, 80-88	0.9	2
431	Detrimental effect of type 2 diabetes mellitus in a large case series of Parkinson's disease. *Parkinsonism and Related Disorders*, **2019**, 64, 54-59	3.6	12
430	Unbiased age-specific structural brain atlases for Chinese pediatric population. *NeuroImage*, **2019**, 189, 55-70	7.9	23
429	Mega-Analysis of Gray Matter Volume in Substance Dependence: General and Substance-Specific Regional Effects. *American Journal of Psychiatry*, **2019**, 176, 119-128	11.9	114
428	Data-driven approaches for tau-PET imaging biomarkers in Alzheimer's disease. *Human Brain Mapping*, **2019**, 40, 638-651	5.9	17
427	A longitudinal study of parent-reported sensory responsiveness in toddlers at-risk for autism. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2019**, 60, 314-324	7.9	23
426	Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 50-61	3.4	33
425	Mesolimbic connectivity signatures of impulsivity and BMI in early adolescence. *Appetite*, **2019**, 132, 25-36	4.5	6
424	Exploring Individual Brain Variability during Development based on Patterns of Maturational Coupling of Cortical Thickness: A Longitudinal MRI Study. *Cerebral Cortex*, **2019**, 29, 178-188	5.1	16
423	Mapping Convergent and Divergent Cortical Thinning Patterns in Patients With Deficit and Nondeficit Schizophrenia. *Schizophrenia Bulletin*, **2019**, 45, 211-221	1.3	8
422	An analytic approach for interpretable predictive models in high-dimensional data in the presence of interactions with exposures. *Genetic Epidemiology*, **2018**, 42, 233-249	2.6	5
421	T1 white/gray contrast as a predictor of chronological age, and an index of cognitive performance. *NeuroImage*, **2018**, 173, 341-350	7.9	44
420	Mapping Cortical Laminar Structure in the 3D BigBrain. *Cerebral Cortex*, **2018**, 28, 2551-2562	5.1	44
419	Widespread associations between trait conscientiousness and thickness of brain cortical regions. *NeuroImage*, **2018**, 176, 22-28	7.9	18
418	Indices of repetitive behaviour are correlated with patterns of intrinsic functional connectivity in youth with autism spectrum disorder. *Brain Research*, **2018**, 1685, 79-90	3.7	7
417	Meta-Connectomic Analysis Reveals Commonly Disrupted Functional Architectures in Network Modules and Connectors across Brain Disorders. *Cerebral Cortex*, **2018**, 28, 4179-4194	5.1	29

416	Subjective Cognitive Decline Is Associated With Altered Default Mode Network Connectivity in Individuals With a Family History of Alzheimer's Disease. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 463-472	3.4	30
415	Walking, Gross Motor Development, and Brain Functional Connectivity in Infants and Toddlers. *Cerebral Cortex*, **2018**, 28, 750-763	5.1	47
414	Registered access: authorizing data access. *European Journal of Human Genetics*, **2018**, 26, 1721-1731	5.3	17
413	Altered hippocampal GABA and glutamate levels and uncoupling from functional connectivity in multiple sclerosis. *Hippocampus*, **2018**, 28, 813-823	3.5	19
412	Mathematical Modeling of Protein Misfolding Mechanisms in Neurological Diseases: A Historical Overview. *Frontiers in Neurology*, **2018**, 9, 37	4.1	25
411	Structural neuroimaging as clinical predictor: A review of machine learning applications. *NeuroImage: Clinical*, **2018**, 20, 506-522	5.3	76
410	Multimodal imaging-based therapeutic fingerprints for optimizing personalized interventions: Application to neurodegeneration. *NeuroImage*, **2018**, 179, 40-50	7.9	19
409	Brain Status Prediction with Non-negative Projective Dictionary Learning. *Lecture Notes in Computer Science*, **2018**, 152-160	0.9	3
408	P3-413: HETEROGENEOUS TAU-PET SIGNAL IN THE HIPPOCAMPUS HELPS RESOLVE DISCREPANCIES BETWEEN IMAGING AND PATHOLOGY **2018**, 14, P1263-P1264		
407	P1-148: THE EFFECT OF PROTON PUMP INHIBITORS AND CYP2C19 ON AMYLOID PATHOLOGY **2018**, 14, P333-P333		
406	IC-P-063: THE EFFECT OF PROTON PUMP INHIBITORS AND CYP2C19 ON AMYLOID PATHOLOGY **2018**, 14, P58-P58		
405	National Neuroinformatics Framework for Canadian Consortium on Neurodegeneration in Aging (CCNA). *Frontiers in Neuroinformatics*, **2018**, 12, 85	3.9	10
404	IC-P-224: HETEROGENEOUS TAU-PET SIGNAL IN THE HIPPOCAMPUS HELPS RESOLVE DISCREPANCIES BETWEEN IMAGING AND PATHOLOGY **2018**, 14, P182-P183		
403	Developmental changes of cortical white-gray contrast as predictors of autism diagnosis and severity. *Translational Psychiatry*, **2018**, 8, 249	8.6	16
402	Integration of Data and Phenotypic Data Within a Unified Extensible Multimodal Framework. *Frontiers in Neuroinformatics*, **2018**, 12, 91	3.9	4
401	APPIAN: Automated Pipeline for PET Image Analysis. *Frontiers in Neuroinformatics*, **2018**, 12, 64	3.9	7
400	Amyloid-related and unrelated cortical thinning in dementia with Lewy bodies. *Neurobiology of Aging*, **2018**, 72, 32-39	5.6	15
399	Association between carotid atheroma and cerebral cortex structure at age 73 years. *Annals of Neurology*, **2018**, 84, 576-587	9.4	14

398   Boutiques: a flexible framework to integrate command-line applications in computing platforms. *GigaScience*, **2018**, 7,   7.6   23

397   Olfactory dysfunction in Alzheimer's disease- and Lewy body-related cognitive impairment. *Alzheimer's and Dementia*, **2018**, 14, 1243-1252   1.2   26

396   A seed-based cross-modal comparison of brain connectivity measures. *Brain Structure and Function*, **2017**, 222, 1131-1151   4   17

395   Joint Attention and Brain Functional Connectivity in Infants and Toddlers. *Cerebral Cortex*, **2017**, 27, 1709-1720   5.1   63

394   Software architectures to integrate workflow engines in science gateways. *Future Generation Computer Systems*, **2017**, 75, 239-255   7.5   9

393   Biomarkers, designs, and interpretations of resting-state fMRI in translational pharmacological research: A review of state-of-the-Art, challenges, and opportunities for studying brain chemistry. *Human Brain Mapping*, **2017**, 38, 2276-2325   5.9   36

392   Best practices in data analysis and sharing in neuroimaging using MRI. *Nature Neuroscience*, **2017**, 20, 299-303   25.5   312

391   Age-related volumetric change of limbic structures and subclinical anxious/depressed symptomatology in typically developing children and adolescents. *Biological Psychology*, **2017**, 124, 133-140   3.2   26

390   Multifactorial causal model of brain (dis)organization and therapeutic intervention: Application to Alzheimer's disease. *NeuroImage*, **2017**, 152, 60-77   7.9   70

389   Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. *Biological Psychiatry*, **2017**, 82, 186-193   7.9   127

388   Early brain development in infants at high risk for autism spectrum disorder. *Nature*, **2017**, 542, 348-351   50.4   552

387   Defining a multimodal signature of remote sports concussions. *European Journal of Neuroscience*, **2017**, 46, 1956-1967   3.5   13

386   Functional neuroimaging of high-risk 6-month-old infants predicts a diagnosis of autism at 24 months of age. *Science Translational Medicine*, **2017**, 9,   17.5   175

385   Cortical Thickness Abnormalities in Autism Spectrum Disorders Through Late Childhood, Adolescence, and Adulthood: A Large-Scale MRI Study. *Cerebral Cortex*, **2017**, 27, 1721-1731   5.1   92

384   Gene networks show associations with seed region connectivity. *Human Brain Mapping*, **2017**, 38, 3126-3140   5.9   22

383   The Emergence of Network Inefficiencies in Infants With Autism Spectrum Disorder. *Biological Psychiatry*, **2017**, 82, 176-185   7.9   65

382   Enhanced structural connectivity within a brain sub-network supporting working memory and engagement processes after cognitive training. *Neurobiology of Learning and Memory*, **2017**, 141, 33-43   3.1   17

381   The vascular facet of late-onset Alzheimer's disease: an essential factor in a complex multifactorial disorder. *Current Opinion in Neurology*, **2017**, 30, 623-629   7.1   7

380	Anxious/depressed symptoms are related to microstructural maturation of white matter in typically developing youths. *Development and Psychopathology*, **2017**, 29, 751-758	4.3	19
379	Resting-state fMRI in sleeping infants more closely resembles adult sleep than adult wakefulness. *PLoS ONE*, **2017**, 12, e0188122	3.7	28
378	Language Ability Predicts Cortical Structure and Covariance in Boys with Autism Spectrum Disorder. *Cerebral Cortex*, **2017**, 27, 1849-1862	5.1	14
377	Subcortical Brain and Behavior Phenotypes Differentiate Infants With Autism Versus Language Delay. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2017**, 2, 664-672	3.4	55
376	Processing speed and the relationship between Trail Making Test-B performance, cortical thinning and white matter microstructure in older adults. *Cortex*, **2017**, 95, 92-103	3.8	47
375	Imaging structural covariance in the development of intelligence. *NeuroImage*, **2017**, 144, 227-240	7.9	34
374	Assessing neuronal density in peri-infarct cortex with PET: Effects of cortical topology and partial volume correction. *Human Brain Mapping*, **2017**, 38, 326-338	5.9	7
373	Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data. *NeuroImage*, **2017**, 144, 128-141	7.9	43
372	Understanding brain development: a major step. *Lancet Neurology, The*, **2017**, 16, 178-179	24.1	
371	Differential Associations between Cortical Thickness and Striatal Dopamine in Treatment-Naïve Adults with ADHD vs. Healthy Controls. *Frontiers in Human Neuroscience*, **2017**, 11, 421	3.3	10
370	The Multiple-Demand System in the Novelty of Musical Improvisation: Evidence from an MRI Study on Composers. *Frontiers in Neuroscience*, **2017**, 11, 695	5.1	14
369	BigBrain: Automated Cortical Parcellation and Comparison with Existing Brain Atlases. *Lecture Notes in Computer Science*, **2017**, 14-25	0.9	1
368	The MNI data-sharing and processing ecosystem. *NeuroImage*, **2016**, 124, 1188-1195	7.9	31
367	Trajectories of cortical thickness maturation in normal brain development--The importance of quality control procedures. *NeuroImage*, **2016**, 125, 267-279	7.9	181
366	OMEGA: The Open MEG Archive. *NeuroImage*, **2016**, 124, 1182-1187	7.9	54
365	Scaling in topological properties of brain networks. *Scientific Reports*, **2016**, 6, 24926	4.9	15
364	Early role of vascular dysregulation on late-onset Alzheimer's disease based on multifactorial data-driven analysis. *Nature Communications*, **2016**, 7, 11934	17.4	547
363	To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. *Neuron*, **2016**, 92, 622-627	13.9	34

362	Introduction to the 2015 Brainhack Proceedings. *GigaScience*, **2016**, 5, 1-26	7.6	68
361	NEOCIVET: Towards accurate morphometry of neonatal gyrification and clinical applications in preterm newborns. *NeuroImage*, **2016**, 138, 28-42	7.9	29
360	Disruption of structural covariance networks for language in autism is modulated by verbal ability. *Brain Structure and Function*, **2016**, 221, 1017-32	4	27
359	Progression of White Matter Disease and Cortical Thinning Are Not Related in Older Community-Dwelling Subjects. *Stroke*, **2016**, 47, 410-6	6.7	26
358	Gray matter responsiveness to adaptive working memory training: a surface-based morphometry study. *Brain Structure and Function*, **2016**, 221, 4369-4382	4	19
357	A cross-modal, cross-species comparison of connectivity measures in the primate brain. *NeuroImage*, **2016**, 125, 311-331	7.9	50
356	Cyberinfrastructure for Open Science at the Montreal Neurological Institute. *Frontiers in Neuroinformatics*, **2016**, 10, 53	3.9	21
355	Quantitative and Qualitative Analysis of Transient Fetal Compartments during Prenatal Human Brain Development. *Frontiers in Neuroanatomy*, **2016**, 10, 11	3.6	68
354	Attention Performance Measured by Attention Network Test Is Correlated with Global and Regional Efficiency of Structural Brain Networks. *Frontiers in Behavioral Neuroscience*, **2016**, 10, 194	3.5	22
353	Progressive Thinning of Visual Motion Area in Lower Limb Amputees. *Frontiers in Human Neuroscience*, **2016**, 10, 79	3.3	10
352	MINC 2.0: A Flexible Format for Multi-Modal Images. *Frontiers in Neuroinformatics*, **2016**, 10, 35	3.9	38
351	Segmentation of nuclei in digital pathology images **2016**,		7
350	Effects of Long-term Diving Training on Cortical Gyrification. *Scientific Reports*, **2016**, 6, 28243	4.9	5
349	Effects of delaying binge drinking on adolescent brain development: a longitudinal neuroimaging study. *BMC Psychiatry*, **2016**, 16, 445	4.2	13
348	Brain connectivity in normally developing children and adolescents. *NeuroImage*, **2016**, 134, 192-203	7.9	50
347	Development of cortical shape in the human brain from 6 to 24months of age via a novel measure of shape complexity. *NeuroImage*, **2016**, 135, 163-76	7.9	25
346	Associations between education and brain structure at age 73 years, adjusted for age 11 IQ. *Neurology*, **2016**, 87, 1820-1826	6.5	26
345	Atypical functional brain connectivity during rest in autism spectrum disorders. *Annals of Neurology*, **2015**, 77, 866-76	9.4	50

344	Prediction of brain maturity based on cortical thickness at different spatial resolutions. *NeuroImage*, **2015**, 111, 350-9	7.9	65
343	Structural Gray Matter Differences During Childhood Development in Autism Spectrum Disorder: A Multimetric Approach. *Pediatric Neurology*, **2015**, 53, 350-9	2.9	38
342	Characterizing brain iron deposition in subcortical ischemic vascular dementia using susceptibility-weighted imaging: An in vivo MR study. *Behavioural Brain Research*, **2015**, 288, 33-8	3.4	14
341	Age-related changes in the topological organization of the white matter structural connectome across the human lifespan. *Human Brain Mapping*, **2015**, 36, 3777-92	5.9	101
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17	Harmonized-Multinational qEEG Norms (HarMNqEEG)		1
16	Data-driven approaches for Tau-PET imaging biomarkers in Alzheimer's disease		1
15	Myeloarchitecture gradients in the human insula serve as blueprints for its diverse connectivity and function		1
14	Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data		1
13	Best Practices in Data Analysis and Sharing in Neuroimaging using MRI		37
12	Open Science Datasets from PREVENT-AD, a Longitudinal Cohort of Pre-symptomatic Alzheimer's Disease		5
11	Convergence of cortical types and functional motifs in the mesiotemporal lobe		3
10	CIVET-Macaque: an automated pipeline for MRI-based cortical surface generation and cortical thickness in macaques		1
9	Characterizing the spatiotemporal variability of Alzheimer's disease pathology		5
8	Numerical Uncertainty in Analytical Pipelines Lead to Impactful Variability in Brain Networks		5
7	Data Augmentation Through Monte Carlo Arithmetic Leads to More Generalizable Classification in Connectomics		5
6	The ENIGMA Toolbox: Cross-disorder integration and multiscale neural contextualization of multisite neuroimaging datasets		5
5	Microstructural and Functional Gradients are Increasingly Dissociated in Transmodal Cortices		2
4	Spread of pathological tau proteins through communicating neurons in human Alzheimer's disease		4
3	Non-linear effects of socioeconomic status on brain development: associations between parental occupation, cortical thickness and language skills in childhood and adolescence		4

List of Publications

2   BigBrain 3D atlas of cortical layers: cortical and laminar thickness gradients diverge in sensory and motor cortices   2

1   BigBrainWarp: Toolbox for integration of BigBrain 3D histology with multimodal neuroimaging   2