Nagesh Adluru

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1595393/publications.pdf

Version: 2024-02-01

93 papers	3,026 citations	218677 26 h-index	189892 50 g-index
101 all docs	101 docs citations	101 times ranked	5422 citing authors

#	Article	IF	Citations
1	Interaction of amyloid and tau on cortical microstructure in cognitively unimpaired adults. Alzheimer's and Dementia, 2022, 18, 65-76.	0.8	18
2	Genetic and environmental influences of variation in diffusion MRI measures of white matter microstructure. Brain Structure and Function, 2022, 227, 131-144.	2.3	8
3	Individual variation in white matter microstructure is related to better recovery from negative stimuli.. Emotion, 2022, 22, 244-257.	1.8	3
4	Effects of simvastatin on white matter integrity in healthy middleâ€aged adults. Annals of Clinical and Translational Neurology, 2021, 8, 1656-1667.	3.7	10
5	A 16-year study of longitudinal volumetric brain development in males with autism. NeuroImage, 2021, 236, 118067.	4.2	24
6	The Connectomes: Methods of White Matter Tractography and Contributions of Resting State fMRI. Seminars in Ultrasound, CT and MRI, 2021, 42, 507-522.	1.5	6
7	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
8	Characterizing brain age in the Alzheimer's disease connectome project using a deep neural network preâ€trained on the UK Biobank. Alzheimer's and Dementia, 2021, 17, .	0.8	1
9	Simvastatin maintains white matter integrity in healthy middleâ€aged adults with increased risk for Alzheimerâ€™s disease: A secondary analysis of a randomized controlled trial. Alzheimer's and Dementia, 2020, 16, e043408.	0.8	0
10	The interaction of amyloid and tau on decreased cortical neurite density in preclinical Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e043979.	0.8	0
11	Contrasting alterations between cortical and subcortical myelin across age, AD diagnosis, and amyloid and tau pathology as assessed by quantitative R1 mapping. Alzheimer's and Dementia, 2020, 16, e046993.	0.8	0
12	Geodesic path differences in neural networks in the Alzheimer's disease connectome project. Alzheimer's and Dementia, 2020, 16, e047284.	0.8	1
13	A 3D Fully Convolutional Neural Network With Top-Down Attention-Guided Refinement for Accurate and Robust Automatic Segmentation of Amygdala and Its Subnuclei. Frontiers in Neuroscience, 2020, 14, 260.	2.8	9
14	Cortical Microstructural Alterations in Mild Cognitive Impairment and Alzheimerâ€™s Disease Dementia. Cerebral Cortex, 2020, 30, 2948-2960.	2.9	61
15	BrainAGE and regional volumetric analysis of a Buddhist monk: a longitudinal MRI case study. Neurocase, 2020, 26, 79-90.	0.6	11
16	Heat Kernel Smoothing on Manifolds and Its Application to Hyoid Bone Growth Modeling. Emerging Topics in Statistics and Biostatistics, 2020, , 235-261.	0.1	2
17	Mindfulness-Based Stress Reduction-related changes in posterior cingulate resting brain connectivity. Social Cognitive and Affective Neuroscience, 2019, 14, 777-787.	3.0	61
18	Optimizing the intrinsic parallel diffusivity in NODDI: An extensive empirical evaluation. PLoS ONE, 2019, 14, e0217118.	2.5	70

#	Article	IF	Citations
19	Predicting Motor Outcomes in Stroke Patients Using Diffusion Spectrum MRI Microstructural Measures. Frontiers in Neurology, 2019, 10, 72.	2.4	28
20	ICâ€Pâ€149: DECREASED CORTICAL NEURITE DENSITY AND ORIENTATION DISPERSION IN ALZHEIMER'S DISEASE DEMENTIA. Alzheimer's and Dementia, 2019, 15, P120.	0.8	0
21	Association of Prenatal Maternal Depression and Anxiety Symptoms With Infant White Matter Microstructure. Obstetrical and Gynecological Survey, 2019, 74, 138-139.	0.4	0
22	Mindfulness video game improves connectivity of the fronto-parietal attentional network in adolescents: A multi-modal imaging study. Scientific Reports, 2019, 9, 18667.	3.3	8
23	Cerebrospinal fluid biomarkers of neurofibrillary tangles and synaptic dysfunction are associated with longitudinal decline in white matter connectivity: A multi-resolution graph analysis. NeuroImage: Clinical, 2019, 21, 101586.	2.7	24
24	Associations Between Positron Emission Tomography Amyloid Pathology and Diffusion Tensor Imaging Brain Connectivity in Pre-Clinical Alzheimer's Disease. Brain Connectivity, 2019, 9, 162-173.	1.7	11
25	Association of longitudinal white matter degeneration and cerebrospinal fluid biomarkers of neurodegeneration, inflammation and Alzheimerâ€™s disease in late-middle-aged adults. Brain Imaging and Behavior, 2019, 13, 41-52.	2.1	32
26	Harmonization and Targeted Feature Dropout for Generalized Segmentation: Application to Multi-site Traumatic Brain Injury Images. Lecture Notes in Computer Science, 2019, , 81-89.	1.3	4
27	Longitudinal development of thalamic and internal capsule microstructure in autism spectrum disorder. Autism Research, 2018, 11, 450-462.	3.8	28
28	Gut microbiome populations are associated with structure-specific changes in white matter architecture. Translational Psychiatry, 2018, 8, 6.	4.8	63
29	ICâ€Pâ€011: DATAâ€DRIVEN PROPAGATION MODELING OF PETâ€DERIVED ALZHEIMER'S PATHOLOGY IN A PRECLINICAL COHORT. Alzheimer's and Dementia, 2018, 14, P20.	0.8	0
30	Heritability of nested hierarchical structural brain network. , 2018, 2018, 554-557.		21
31	A Novel Registration-Based Semiautomatic Mandible Segmentation Pipeline Using Computed Tomography Images to Study Mandibular Development. Journal of Computer Assisted Tomography, 2018, 42, 306-316.	0.9	17
32	Longitudinal white matter microstructural change in Parkinson's disease. Human Brain Mapping, 2018, 39, 4150-4161.	3.6	37
33	Association of Prenatal Maternal Depression and Anxiety Symptoms With Infant White Matter Microstructure. JAMA Pediatrics, 2018, 172, 973.	6.2	93
34	Efficient Relative Attribute Learning Using Graph Neural Networks. Lecture Notes in Computer Science, 2018, 11218, 575-590.	1.3	14
35	A Natural Language Interface for Dissemination of Reproducible Biomedical Data Science. Lecture Notes in Computer Science, 2018, 11073, 197-205.	1.3	3
36	Evaluation of striatonigral connectivity using probabilistic tractography in Parkinson's disease. NeuroImage: Clinical, 2017, 16, 557-563.	2.7	47

#	Article	IF	Citations
37	Integrative Structural Brain Network Analysis in Diffusion Tensor Imaging. Brain Connectivity, 2017, 7, 331-346.	1.7	34
38	Riemannian Variance Filtering: An Independent Filtering Scheme for Statistical Tests on Manifold-Valued Data. , 2017, 2017, 699-708.		1
39	Anxiety-related experience-dependent white matter structural differences in adolescence: A monozygotic twin difference approach. Scientific Reports, 2017, 7, 8749.	3.3	18
40	[P4â€“402]: IMAGE ANALYSIS THROUGH CONVERSATIONS: REDUCING BARRIERS AND IMPROVING PROVENANCE TRACKING IN ALZHEIMER'S DISEASE RESEARCH. Alzheimer's and Dementia, 2017, 13, P1484.	0.8	0
41	[P4â€“400]: LONGITUDINAL ANALYSIS OF STRUCTURAL MRI IN ALZHEIMER'S DISEASE USING RIEMANNIAN MIXED EFFECTS MODELS. Alzheimer's and Dementia, 2017, 13, P1483.	0.8	0
42	[P4â€“067]: GRAPH COMPLETION: A GENERALIZATION OF NETFLIX PRIZE PROBLEM TO DESIGN COSTâ€EFFECTIVE NEUROIMAGING TRIALS IN PRECLINICAL AD. Alzheimer's and Dementia, 2017, 13, P1283.	0.8	0
43	Riemannian Nonlinear Mixed Effects Models: Analyzing Longitudinal Deformations in Neuroimaging. , 2017, 2017, 5777-5786.		17
44	A Geometric Framework for Statistical Analysis of Trajectories with Distinct Temporal Spans. , 2017, 2017, 172-181.		6
45	Latent Variable Graphical Model Selection Using Harmonic Analysis: Applications to the Human Connectome Project (HCP). , 2016, 2016, 2443-2451.		5
46	O1â€12â€01: Multiâ€Resolution Analysis of Dtiâ€Derived Brain Connectivity and the Influence of Petâ€Derived Alzheimer's Disease Pathology in a Preclinical Cohort. Alzheimer's and Dementia, 2016, 12, P205.	0.8	0
47	O1â€12â€05: Amyloid Deposition in the Posterior Cingulate is Associated with Altered Microstructure in Cognitively Asymptomatic Individuals: Findings From the Wrap Study. Alzheimer's and Dementia, 2016, 12, P207.	0.8	0
48	P1â€286: Manifoldâ€Valued Statistical Models for Longitudinal Morphometric Analysis in Preclinical Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P529.	0.8	0
49	P3â€084: Effects of Kibra Polymorphism on White Matter Integrity: Findings from the Wisconsin Registry for Alzheimerâ€™s Prevention. Alzheimer's and Dementia, 2016, 12, P850.	0.8	0
50	Cerebrospinal Fluid Markers of Alzheimerâ€™s Disease Pathology and Microglial Activation are Associated with Altered White Matter Microstructure in Asymptomatic Adults at Risk for Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 50, 873-886.	2.6	101
51	Fornix Microstructure and Memory Performance Is Associated with Altered Neural Connectivity during Episodic Recognition. Journal of the International Neuropsychological Society, 2016, 22, 191-204.	1.8	19
52	Mapping an index of the myelin g-ratio in infants using magnetic resonance imaging. NeuroImage, 2016, 132, 225-237.	4.2	110
53	Investigating the Microstructural Correlation of White Matter in Autism Spectrum Disorder. Brain Connectivity, 2016, 6, 415-433.	1.7	22
54	Age-dependent differences in brain tissue microstructure assessed with neurite orientation dispersion and density imaging. Neurobiology of Aging, 2016, 43, 79-88.	3.1	61

#	Article	IF	Citations
55	Abundant Inverse Regression Using Sufficient Reduction and Its Applications. Lecture Notes in Computer Science, 2016, 9907, 570-584.	1.3	2
56	Coupled Harmonic Bases for Longitudinal Characterization of Brain Networks. , 2016, 2016, 2517-2525.		5
57	Adaptive Signal Recovery on Graphs viaÂHarmonic Analysis for Experimental DesignÂinÂNeuroimaging. Lecture Notes in Computer Science, 2016, 9910, 188-205.	1.3	2
58	Canonical Correlation Analysis on SPD(n) Manifolds. , 2016, , 69-100.		2
59	IC-P-096: Insulin resistance is associated with altered microstructure in the medial temporal lobe and fornix of cognitively healthy APOE4 carriers. , 2015, 11, P66-P67.		0
60	Multi-resolution statistical analysis on graph structured data in neuroimaging. , 2015, 2015, 1548-1551.		0
61	P4-260: A framework for performing multi-resolution statistical analysis of brain connectivity graphs for preclinical Alzheimer's disease. , 2015, 11, P882-P882.		0
62	Multi-resolution statistical analysis of brain connectivity graphs in preclinical Alzheimer's disease. NeuroImage, 2015, 118, 103-117.	4.2	53
63	Interpolation on the Manifold of K Component GMMs. , 2015, 2015, 2884-2892.		2
64	A Projection Free Method for Generalized Eigenvalue Problem with a Nonsmooth Regularizer. , 2015, 2015, 1841-1849.		5
65	P4-262: Neuroinflammation in preclinical Alzheimer's disease is associated with parahippocampal pathology and memory deficits. , 2015, 11, P883-P884.		0
66	Brainstem White Matter Predicts Individual Differences in Manual Motor Difficulties and Symptom Severity in Autism. Journal of Autism and Developmental Disorders, 2015, 45, 3030-3040.	2.7	42
67	Atypical development of white matter microstructure of the corpus callosum in males with autism: a longitudinal investigation. Molecular Autism, 2015, 6, 15.	4.9	72
68	Sequential Monte Carlo for Maximum Weight Subgraphs with Application to Solving Image Jigsaw Puzzles. International Journal of Computer Vision, 2015, 112, 319-341.	15.6	3
69	A Diffusion-Tensor-Based White Matter Atlas for Rhesus Macaques. PLoS ONE, 2014, 9, e107398.	2.5	32
70	Assessment of white matter microstructure in stroke patients using NODDI. , 2014, 2014, 742-5.		46
71	Multivariate General Linear Models (MGLM) on Riemannian Manifolds with Applications to Statistical Analysis of Diffusion Weighted Images. , 2014, 2014, 2705-2712.		38
72	Longitudinal processing speed impairments in males with autism and the effects of white matter microstructure. Neuropsychologia, 2014, 53, 137-145.	1.6	47

#	Article	IF	Citations
73	Associations between white matter microstructure and amyloid burden in preclinical Alzheimer's disease: A multimodal imaging investigation. NeuroImage: Clinical, 2014, 4, 604-614.	2.7	119
74	White matter microstructure in late middle-age: Effects of apolipoprotein E4 and parental family history of Alzheimer's disease. NeuroImage: Clinical, 2014, 4, 730-742.	2.7	64
75	Canonical Correlation Analysis on Riemannian Manifolds and Its Applications. Lecture Notes in Computer Science, 2014, 8690, 251-267.	1.3	17
76	The 4D Hyperspherical Diffusion Wavelet: A New Method for the Detection of Localized Anatomical Variation. Lecture Notes in Computer Science, 2014, 17, 65-72.	1.3	3
77	Penalized Likelihood Phenotyping: Unifying Voxelwise Analyses and Multi-Voxel Pattern Analyses in Neuroimaging. Neuroinformatics, 2013, 11, 227-247.	2.8	4
78	Effects of DTI spatial normalization on white matter tract reconstructions. , 2013, 8669, .		3
79	Early Neglect Is Associated With Alterations in White Matter Integrity and Cognitive Functioning. Child Development, 2013, 84, 1566-1578.	3.0	210
80	Multi-resolutional Brain Network Filtering and Analysis via Wavelets on Non-Euclidean Space. Lecture Notes in Computer Science, 2013, 16, 643-651.	1.3	10
81	Persistent Homological Sparse Network Approach to Detecting White Matter Abnormality in Maltreated Children: MRI and DTI Multimodal Study. Lecture Notes in Computer Science, 2013, 16, 300-307.	1.3	11
82	Adaptive cuts for extracting specific white matter tracts. , 2012, 2012, .		0
83	A diffusion tensor brain template for Rhesus Macaques. NeuroImage, 2012, 59, 306-318.	4.2	66
84	Max margin general linear modeling for neuroimage analyses. , 2012, 2012, .		1
85	Diffusion Tensor Imaging in Autism Spectrum Disorder: A Review. Autism Research, 2012, 5, 289-313.	3.8	356
86	Simulating convection-enhanced delivery in the putamen using probabilistic tractography. , 2011, 2011, 787-790.		1
87	Particle filter with state permutations for solving image jigsaw puzzles. , 2011, 2011, 2873-2880.		30
88	Characterization of Cerebral White Matter Properties Using Quantitative Magnetic Resonance Imaging Stains. Brain Connectivity, 2011, 1, 423-446.	1.7	387
89	Hot Spots Conjecture and Its Application to Modeling Tubular Structures. Lecture Notes in Computer Science, 2011, 7009, 225-232.	1.3	10
90	Applications of Epsilon Radial Networks in Neuroimage Analyses. Lecture Notes in Computer Science, 2011, 7087, 236-247.	1.3	3

#	Article	IF	Citations
91	Atypical diffusion tensor hemispheric asymmetry in autism. Autism Research, 2010, 3, 350-358.	3.8	132
92	Classification in DTI using shapes of white matter tracts. , 2009, 2009, 2719-22.		15
93	Shape guided contour grouping with particle filters. , 2009, 2009, 2288-2295.		18