

Martin Dyrba

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,690
citations

394421

19
h-index

315739

38
g-index

101
all docs

101
docs citations

101
times ranked

3118
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo staging of regional amyloid deposition. <i>Neurology</i> , 2017, 89, 2031-2038.	1.1	321
2	Multimodal analysis of functional and structural disconnection in <scp>A</scp>zheimer's disease using multiple kernel <scp>SVM</scp>. <i>Human Brain Mapping</i> , 2015, 36, 2118-2131.	3.6	156
3	Measuring Cortical Connectivity in Alzheimer's Disease as a Brain Neural Network Pathology: Toward Clinical Applications. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 138-163.	1.8	92
4	Robust Automated Detection of Microstructural White Matter Degeneration in Alzheimer's Disease Using Machine Learning Classification of Multicenter DTI Data. <i>PLoS ONE</i> , 2013, 8, e64925.	2.5	89
5	Predicting Prodromal Alzheimer's Disease in Subjects with Mild Cognitive Impairment Using Machine Learning Classification of Multimodal Multicenter Diffusion Tensor and Magnetic Resonance Imaging Data. <i>Journal of Neuroimaging</i> , 2015, 25, 738-747.	2.0	79
6	Cortical thinning and its relation to cognition in amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2014, 35, 240-246.	3.1	72
7	Fractional Anisotropy Changes in Alzheimer's Disease Depend on the Underlying Fiber Tract Architecture: A Multiparametric DTI Study using Joint Independent Component Analysis. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 69-83.	2.6	71
8	Basal Forebrain and Hippocampus as Predictors of Conversion to Alzheimer's Disease in Patients with Mild Cognitive Impairment – A Multicenter DTI and Volumetry Study. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 197-204.	2.6	56
9	Multimodal characterization of older <i>APOE2</i> carriers reveals selective reduction of amyloid load. <i>Neurology</i> , 2017, 88, 569-576.	1.1	50
10	Multicenter stability of resting state fMRI in the detection of Alzheimer's disease and amnesic MCI. <i>NeuroImage: Clinical</i> , 2017, 14, 183-194.	2.7	49
11	The corticotopic organization of the human basal forebrain as revealed by regionally selective functional connectivity profiles. <i>Human Brain Mapping</i> , 2019, 40, 868-878.	3.6	47
12	Data-driven FDG-PET subtypes of Alzheimer's disease-related neurodegeneration. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 49.	6.2	44
13	Mean diffusivity in cortical gray matter in Alzheimer's disease: The importance of partial volume correction. <i>NeuroImage: Clinical</i> , 2018, 17, 579-586.	2.7	40
14	Robust Detection of Impaired Resting State Functional Connectivity Networks in Alzheimer's Disease Using Elastic Net Regularized Regression. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 318.	3.4	36
15	Structural integrity in subjective cognitive decline, mild cognitive impairment and Alzheimer's disease based on multicenter diffusion tensor imaging. <i>Journal of Neurology</i> , 2019, 266, 2465-2474.	3.6	35
16	The European DTI Study on Dementia – A multicenter DTI and MRI study on Alzheimer's disease and Mild Cognitive Impairment. <i>NeuroImage</i> , 2017, 144, 305-308.	4.2	33
17	Gaussian Graphical Models Reveal Inter-Modal and Inter-Regional Conditional Dependencies of Brain Alterations in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 99.	3.4	31
18	CSF total tau levels are associated with hippocampal novelty irrespective of hippocampal volume. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 782-790.	2.4	26

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19	The μ 4 genotype of apolipoprotein E and white matter integrity in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014, 10, 401-404.	0.8	25
20	Applicability of in vivo staging of regional amyloid burden in a cognitively normal cohort with subjective memory complaints: the INSIGHT-preAD study. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 15.	6.2	24
21	In vivo staging of regional amyloid deposition predicts functional conversion in the preclinical and prodromal phases of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020, 93, 98-108.	3.1	21
22	Improving 3D convolutional neural network comprehensibility via interactive visualization of relevance maps: evaluation in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 191.	6.2	21
23	No association of cortical amyloid load and EEG connectivity in older people with subjective memory complaints. <i>NeuroImage: Clinical</i> , 2018, 17, 435-443.	2.7	19
24	Multicenter Resting State Functional Connectivity in Prodromal and Dementia Stages of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 801-813.	2.6	19
25	The Primacy Effect in Amnesic Mild Cognitive Impairment: Associations with Hippocampal Functional Connectivity. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 244.	3.4	18
26	Multimodal MRI analysis of basal forebrain structure and function across the Alzheimer's disease spectrum. <i>NeuroImage: Clinical</i> , 2020, 28, 102495.	2.7	17
27	Combining DTI and MRI for the Automated Detection of Alzheimer's Disease Using a Large European Multicenter Dataset. <i>Lecture Notes in Computer Science</i> , 2012, , 18-28.	1.3	16
28	Multicenter Tract-Based Analysis of Microstructural Lesions within the Alzheimer's Disease Spectrum: Association with Amyloid Pathology and Diagnostic Usefulness. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 455-465.	2.6	15
29	Association between composite scores of domain-specific cognitive functions and regional patterns of atrophy and functional connectivity in the Alzheimer's disease spectrum. <i>NeuroImage: Clinical</i> , 2021, 29, 102533.	2.7	15
30	Does Functional Connectivity Provide a Marker for Cognitive Rehabilitation Effects in Alzheimer's Disease? An Interventional Study. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 1303-1313.	2.6	12
31	Dorsolateral Prefrontal Functional Connectivity Predicts Working Memory Training Gains. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 592261.	3.4	12
32	Cognitive Profiles of Amyotrophic Lateral Sclerosis Differ in Resting-State Functional Connectivity: An fMRI Study. <i>Frontiers in Neuroscience</i> , 2021, 15, 682100.	2.8	12
33	Association of Cholinergic Basal Forebrain Volume and Functional Connectivity with Markers of Inflammatory Response in the Alzheimer's Disease Spectrum. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1267-1282.	2.6	12
34	Regional radiomics similarity networks (R2SNs) in the human brain: Reproducibility, small-world properties and a biological basis. <i>Network Neuroscience</i> , 2021, 5, 1-15.	2.6	11
35	Functional brain network architecture may route progression of Alzheimer's disease pathology. <i>Brain</i> , 2017, 140, 3077-3080.	7.6	10
36	Association of Lipidomics Signatures in Blood with Clinical Progression in Preclinical and Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1115-1127.	2.6	9

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37	Goalavaviour-Based Control of Heterogeneous and Distributed Smart Environments. , 2011, , ,		7
38	Is the left uncinate fasciculus associated with verbal fluency decline in mild Alzheimer's disease?. Translational Neuroscience, 2016, 7, 89-91.	1.4	7
39	Association of PET-based stages of amyloid deposition with neuropathological markers of A β pathology. Annals of Clinical and Translational Neurology, 2021, 8, 29-42.	3.7	7
40	Comparison of Different Hypotheses Regarding the Spread of Alzheimer's Disease Using Markov Random Fields and Multimodal Imaging. Journal of Alzheimer's Disease, 2018, 65, 731-746.	2.6	6
41	Comparison of CNN Visualization Methods to Aid Model Interpretability for Detecting Alzheimer's Disease. Informatik Aktuell, 2020, , 307-312.	0.6	5
42	Association of TDP-43 Pathology with Global and Regional 18F-Florbetapir PET Signal in the Alzheimer's Disease Spectrum. Journal of Alzheimer's Disease, 2021, 79, 663-670.	2.6	4
43	Case Report: Cognitive Conversion in a Non-brazilian VAPB Mutation Carrier (ALS8). Frontiers in Neurology, 2021, 12, 668772.	2.4	4
44	Aberrant Claustrum Microstructure in Humans after Premature Birth. Cerebral Cortex, 2021, 31, 5549-5559.	2.9	4
45	Hippocampal Mean Diffusivity for the Diagnosis of Dementia and Mild Cognitive Impairment in Primary Care. Current Alzheimer Research, 2018, 15, 1005-1012.	1.4	4
46	FDG-PET subtypes of Alzheimer's disease and their association with distinct biomarker profiles and clinical trajectories. Alzheimer's and Dementia, 2020, 16, e042101.	0.8	3
47	Partial Volume Correction Increases the Sensitivity of 18F-Florbetapir-Positron Emission Tomography for the Detection of Early Stage Amyloidosis. Frontiers in Aging Neuroscience, 2021, 13, 748198.	3.4	3
48	[ICaPa080]: USEFULNESS AND STABILITY OF MULTICENTER DIFFUSION TENSOR IMAGING AS AN EARLY MARKER FOR SUBJECTIVE COGNITIVE DECLINE AND AMNESTIC MILD COGNITIVE IMPAIRMENT: FIRST RESULTS FROM THE PROSPECTIVE DZNE DELCODE STUDY. Alzheimer's and Dementia, 2017, 13, P66.	0.8	2
49	IC-P-072: PREDICTION OF PRODROMAL AD IN MCI SUBJECTS USING MULTICENTER DTI AND MRI DATA AND MULTIPLE KERNELS SVM: AN EDSO STUDY. , 2014, 10, P40-P40.		1
50	P2-192: ADVANCED DIFFUSION WEIGHTING IMAGING (DWI) TRACTOGRAPHY OF THE LIMBIC SYSTEM: NOVEL BIOMARKERS OF NEURODEGENERATIVE CHANGES DURING PROGRESSION/CONVERSION FROM COGNITIVE NORMALITY TO AD DEMENTIA. , 2014, 10, P541-P542.		1
51	P3-185: THE EUROPEAN DTI STUDY IN DEMENTIA: A NOVEL FRAMEWORK TO TEST THE DIAGNOSTIC USE OF DTI IN ALZHEIMER'S DISEASE. , 2014, 10, P697-P697.		1
52	P1-255: PREDICTION OF PRODROMAL AD IN MCI SUBJECTS USING MULTICENTER DTI AND MRI DATA AND MULTIPLE KERNELS SVM: AN EDSO STUDY. , 2014, 10, P400-P401.		1
53	P3-174: Structural connectivity as a biomarker for Alzheimer's disease: Evaluation in a multicenter trial and a primary care cohort. , 2015, 11, P696-P696.		1
54	[P2a390]: LOCAL AND GLOBAL RESTING STATE ALTERATIONS IN DIFFERENT STAGES DURING THE DEVELOPMENT OF ALZHEIMER'S DISEASE AS DEMONSTRATED IN THE DZNE DELCODE COHORT. Alzheimer's and Dementia, 2017, 13, P779.	0.8	1

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55	Identifying the diffusion source of dementia spreading in structural brain networks. , 2021, , .		1
56	Editorial: Deep Learning in Aging Neuroscience. Frontiers in Neuroinformatics, 2020, 14, 573974.	2.5	1
57	IC-P-067: ADVANCED DIFFUSION WEIGHTING IMAGING (DWI) TRACTOGRAPHY OF THE LIMBIC SYSTEM: NOVEL BIOMARKERS OF NEURODEGENERATIVE CHANGES DURING PROGRESSION/CONVERSION FROM COGNITIVE NORMALITY TO AD DEMENTIA. , 2014, 10, P37-P37.		0
58	P3-222: MULTIMODAL ANALYSIS OF FUNCTIONAL AND STRUCTURAL DISCONNECTION IN AD USING MULTIPLE KERNELS SVM. , 2014, 10, P712-P712.		0
59	P2-131: Analysis of inter-modal associations and dependencies of regional disease patterns based on multimodal imaging using markov random fields. , 2015, 11, P534-P534.		0
60	P3-146: Basal forebrain and hippocampus as predictors of conversion to Alzheimer's disease in patients with mild cognitive impairment: A multicenter DTI and volumetry study. , 2015, 11, P682-P682.		0
61	IC-P-080: Analysis of intermodal associations and dependencies of regional disease patterns based on multimodal imaging using markov random fields. , 2015, 11, P58-P58.		0
62	IC-P-105: Basal forebrain and hippocampus as predictors of conversion to Alzheimer's disease in patients with mild cognitive impairment: A multicenter DTI and volumetry study. , 2015, 11, P72-P72.		0
63	IC-P-045: Functional Connectivity in Alzheimer's Dementia and Mild Cognitive Impairment: A Large-Scale Multicenter Resting-State FMRI Study. , 2016, 12, P38-P38.		0
64	IC-P-035: Association of Hippocampal Resting State Networks and The Primacy Effect as A Marker of Consolidation in Amnesic MCI. , 2016, 12, P32-P33.		0
65	IC-P-008: Multimodal Imaging of Apoe2 Effects in The Aged Brain: Specificity for Reduced Amyloid Pathology. Alzheimer's and Dementia, 2016, 12, P17.	0.8	0
66	P2-091: Multimodal Imaging of APOE2 Effects in The Aged Brain: Specificity for Reduced Amyloid Pathology. Alzheimer's and Dementia, 2016, 12, P644.	0.8	0
67	P2-236: Association of Hippocampal Resting State Networks and the Primacy Effect as a Marker of Consolidation in Amnesic MCI. Alzheimer's and Dementia, 2016, 12, P714.	0.8	0
68	P3-281: Altered Functional Connectivity of the Default Mode Network in Alzheimer's Dementia and Mild Cognitive Impairment: Results From a Large-Scale Multicenter Resting-State Fmri Study. Alzheimer's and Dementia, 2016, 12, P945.	0.8	0
69	[P3-387]: HIPPOCAMPAL MEAN DIFFUSIVITY FOR THE DIAGNOSIS OF DEMENTIA AND MILD COGNITIVE IMPAIRMENT IN A PRIMARY CARE SAMPLE. Alzheimer's and Dementia, 2017, 13, P1108.	0.8	0
70	[P3-393]: ROBUST AUTOMATED DETECTION OF SUBJECTIVE COGNITIVE DECLINE AND PRODROMAL ALZHEIMER'S DISEASE BASED ON MULTICENTER RESTING-STATE FUNCTIONAL CONNECTIVITY: RESULTS FROM THE DZNE DELCODE STUDY. Alzheimer's and Dementia, 2017, 13, P1112.	0.8	0
71	[IC-P-029]: GAUSSIAN MARKOV RANDOM FIELDS FOR ASSESSING INTERMODAL REGIONAL ASSOCIATIONS IN PRODROMAL ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P26.	0.8	0
72	[IC-P-071]: HETEROGENEITY OF HYPOMETABOLIC BRAIN DYSFUNCTION IN AMNESTIC MCI: A HIERARCHICAL CLUSTERING APPROACH BASED ON BRAIN-WIDE METABOLIC PROFILES. Alzheimer's and Dementia, 2017, 13, P59.	0.8	0

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73	[ICâ€Pâ€086]: NEURONAL CORRELATES OF DELAYED RECALL TEST PERFORMANCE IN MILD COGNITIVE IMPAIRMENT: BEYOND CONVENTIONAL LINEAR REGRESSION. Alzheimer's and Dementia, 2017, 13, P69.	0.8	0
74	[ICâ€Pâ€152]: ASSOCIATION OF CORTICAL AMYLOID LOAD WITH RESTINGâ€STATE EEG FUNCTIONAL CONNECTIVITY IN SUBJECTIVE MEMORY COMPLAINERS FROM THE INSIGHTâ€PREâ€AD STUDY. Alzheimer's and Dementia, 2017, 13, P114.	0.8	0
75	[ICâ€Pâ€161]: MEAN DIFFUSIVITY IN CORTICAL GRAY MATTER IN ALZHEIMER'S DISEASE: THE IMPORTANCE OF PARTIAL VOLUME CORRECTION. Alzheimer's and Dementia, 2017, 13, P123.	0.8	0
76	[P1â€441]: ASSOCIATION OF CORTICAL AMYLOID LOAD WITH RESTINGâ€STATE EEG FUNCTIONAL CONNECTIVITY IN SUBJECTIVE MEMORY COMPLAINERS FROM THE INSIGHTâ€PREâ€AD STUDY. Alzheimer's and Dementia, 2017, 13, P451.	0.8	0
77	[F4â€01â€03]: HETEROGENEITY OF HYPOMETABOLIC BRAIN DYSFUNCTION IN AMNESTIC MCI. Alzheimer's and Dementia, 2017, 13, P1211.	0.8	0
78	P3â€366: MULTICENTER RESTING STATE FUNCTIONAL CONNECTIVITY IN PRODROMAL AND DEMENTIA STAGES OF ALZHEIMER'S DISEASE: RESULTS FROM THE DZNE DELCODE STUDY. Alzheimer's and Dementia, 2018, 14, P1228.	0.8	0
79	ICâ€Pâ€034: GAUSSIAN GRAPHICAL MODELS FOR ASSESSING MULTIMODAL REGIONAL ASSOCIATIONS IN PRODROMAL ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P38.	0.8	0
80	ICâ€Pâ€069: LONGITUDINAL ANALYSIS OF THE STRUCTURAL AND COGNITIVE PHENOTYPE OF AMYLOID POSITIVE AND NEGATIVE PARKINSON'S DISEASE PATIENTS. Alzheimer's and Dementia, 2019, 15, P64.	0.8	0
81	Deep learning models for generating diagnostic explanations. Alzheimer's and Dementia, 2020, 16, e037353.	0.8	0
82	Validation of convolutional neural network relevance maps for revealing patterns of Alzheimerâ€™s disease in MRI scans. Alzheimer's and Dementia, 2020, 16, e037967.	0.8	0
83	Performance comparison of automated white matter lesion segmentation algorithms in the DELCODE Study. Alzheimer's and Dementia, 2020, 16, e045367.	0.8	0
84	Interactive Visualization of 3D CNN Relevance Maps to Aid Model Comprehensibility. Informatik Aktuell, 2021, , 317-322.	0.6	0
85	Dorsolateral prefrontal functional connectivity predicts transfer of working memory gains after cognitive training. Alzheimer's and Dementia, 2020, 16, e042981.	0.8	0
86	Association of domainâ€specific cognitive functions with regional pattern of atrophy and functional connectivity across the Alzheimerâ€™s disease spectrum: An analysis from the DELCODE cohort. Alzheimer's and Dementia, 2020, 16, e042992.	0.8	0
87	Artificial neural network visualization methods reveal diagnostically relevant brain regions to detect Alzheimerâ€™s disease: The first step towards comprehensive artificial intelligence. Alzheimer's and Dementia, 2021, 17, .	0.8	0