Martin Dyrba

List of Publications by Year
in descending order

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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	Association of Cholinergic Basal Forebrain Volume and Functional Connectivity with Markers of Inflammatory Response in the Alzheimerâ€™s Disease Spectrum. Journal of Alzheimer's Disease, 2022, 85, 1267-1282.	2.6	12
2	Association of Lipidomics Signatures in Blood with Clinical Progression in Preclinical and Prodromal Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, 85, 1115-1127.	2.6	9
3	Association of TDP-43 Pathology with Global and Regional 18F-Florbetapir PET Signal in the Alzheimerâ€™s Disease Spectrum. Journal of Alzheimer's Disease, 2021, 79, 663-670.	2.6	4
4	Association of PETâ€based stages of amyloid deposition with neuropathological markers of AÎ² pathology. Annals of Clinical and Translational Neurology, 2021, 8, 29-42.	3.7	7
5	Interactive Visualization of 3D CNN Relevance Maps to Aid Model Comprehensibility. Informatik Aktuell, 2021, , 317-322.	0.6	0
6	Association between composite scores of domain-specific cognitive functions and regional patterns of atrophy and functional connectivity in the Alzheimerâ€™s disease spectrum. NeuroImage: Clinical, 2021, 29, 102533.	2.7	15
7	Identifying the diffusion source of dementia spreading in structural brain networks. , 2021, , .		1
8	Data-driven FDG-PET subtypes of Alzheimerâ€™s disease-related neurodegeneration. Alzheimer's Research and Therapy, 2021, 13, 49.	6.2	44
9	Dorsolateral Prefrontal Functional Connectivity Predicts Working Memory Training Gains. Frontiers in Aging Neuroscience, 2021, 13, 592261.	3.4	12
10	Regional radiomics similarity networks (R2SNs) in the human brain: Reproducibility, small-world properties and a biological basis. Network Neuroscience, 2021, 5, 1-15.	2.6	11
11	Case Report: Cognitive Conversion in a Non-brazilian VAPB Mutation Carrier (ALS8). Frontiers in Neurology, 2021, 12, 668772.	2.4	4
12	Aberrant Claustrum Microstructure in Humans after Premature Birth. Cerebral Cortex, 2021, 31, 5549-5559.	2.9	4
13	Cognitive Profiles of Amyotrophic Lateral Sclerosis Differ in Resting-State Functional Connectivity: An fMRI Study. Frontiers in Neuroscience, 2021, 15, 682100.	2.8	12
14	Improving 3D convolutional neural network comprehensibility via interactive visualization of relevance maps: evaluation in Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2021, 13, 191.	6.2	21
15	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
16	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
17	Multimodal MRI analysis of basal forebrain structure and function across the Alzheimerâ€™s disease spectrum. NeuroImage: Clinical, 2020, 28, 102495.	2.7	17
18	Deep learning models for generating diagnostic explanations. Alzheimer's and Dementia, 2020, 16, e037353.	0.8	0

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19	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
20	FDGâ€PET subtypes of Alzheimerâ€™s disease and their association with distinct biomarker profiles and clinical trajectories. Alzheimer's and Dementia, 2020, 16, e042101.	0.8	3
21	Performance comparison of automated white matter lesion segmentation algorithms in the DELCODE Study. Alzheimer's and Dementia, 2020, 16, e045367.	0.8	0
22	Gaussian Graphical Models Reveal Inter-Modal and Inter-Regional Conditional Dependencies of Brain Alterations in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 99.	3.4	31
23	InÂvivo staging of regional amyloid deposition predicts functional conversion in the preclinical and prodromal phases of Alzheimer's disease. Neurobiology of Aging, 2020, 93, 98-108.	3.1	21
24	Comparison of CNN Visualization Methods to Aid Model Interpretability for Detecting Alzheimerâ€™s Disease. Informatik Aktuell, 2020, , 307-312.	0.6	5
25	Dorsolateral prefrontal functional connectivity predicts transfer of working memory gains after cognitive training. Alzheimer's and Dementia, 2020, 16, e042981.	0.8	0
26	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
27	Editorial: Deep Learning in Aging Neuroscience. Frontiers in Neuroinformatics, 2020, 14, 573974.	2.5	1
28	Multicenter Tract-Based Analysis of Microstructural Lesions within the Alzheimerâ€™s Disease Spectrum: Association with Amyloid Pathology and Diagnostic Usefulness. Journal of Alzheimer's Disease, 2019, 72, 455-465.	2.6	15
29	Structural integrity in subjective cognitive decline, mild cognitive impairment and Alzheimerâ€™s disease based on multicenter diffusion tensor imaging. Journal of Neurology, 2019, 266, 2465-2474.	3.6	35
30	Applicability of in vivo staging of regional amyloid burden in a cognitively normal cohort with subjective memory complaints: the INSIGHT-preAD study. Alzheimer's Research and Therapy, 2019, 11, 15.	6.2	24
31	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
32	The corticotopic organization of the human basal forebrain as revealed by regionally selective functional connectivity profiles. Human Brain Mapping, 2019, 40, 868-878.	3.6	47
33	Mean diffusivity in cortical gray matter in Alzheimer's disease: The importance of partial volume correction. NeuroImage: Clinical, 2018, 17, 579-586.	2.7	40
34	No association of cortical amyloid load and EEG connectivity in older people with subjective memory complaints. NeuroImage: Clinical, 2018, 17, 435-443.	2.7	19
35	Comparison of Different Hypotheses Regarding the Spread of Alzheimerâ€™s Disease Using Markov Random Fields and Multimodal Imaging. Journal of Alzheimer's Disease, 2018, 65, 731-746.	2.6	6
36	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

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37	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
38	CSF total tau levels are associated with hippocampal novelty irrespective of hippocampal volume. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 782-790.	2.4	26
39	Multicenter Resting State Functional Connectivity in Prodromal and Dementia Stages of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 64, 801-813.	2.6	19
40	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
41	The European DTI Study on Dementia â€" A multicenter DTI and MRI study on Alzheimer's disease and Mild Cognitive Impairment. NeuroImage, 2017, 144, 305-308.	4.2	33
42	Multimodal characterization of older APOE2 carriers reveals selective reduction of amyloid load. Neurology, 2017, 88, 569-576.	1.1	50
43	Multicenter stability of resting state fMRI in the detection of Alzheimer's disease and amnestic MCI. NeuroImage: Clinical, 2017, 14, 183-194.	2.7	49
44	In vivo staging of regional amyloid deposition. Neurology, 2017, 89, 2031-2038.	1.1	321
45	Functional brain network architecture may route progression of Alzheimerâ€™s disease pathology. Brain, 2017, 140, 3077-3080.	7.6	10
46	[ICâ€Pâ€080]: 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
47	[P2â€"390]: 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
48	[P3â€"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
49	[P3â€"393]: ROBUST AUTOMATED DETECTION OF SUBJECTIVE COGNITIVE DECLINE AND PRODROMAL ALZHEIMER's DISEASE BASED ON MULTICENTER RESTINGâ€STATE FUNCTIONAL CONNECTIVITY: RESULTS FROM THE DZNE DELCODE STUDY. Alzheimer's and Dementia, 2017, 13, P1112.	0.8	0
50	[ICâ€Pâ€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
51	[ICâ€Pâ€071]: HETEROGENEITY OF HYPOMETABOLIC BRAIN DYSFUNCTION IN AMNESTIC MCI: A HIERARCHICAL CLUSTERING APPROACH BASED ON BRAINâ€WIDE METABOLIC PROFILES. Alzheimer's and Dementia, 2017, 13, P59.	0.8	0
52	[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
53	[ICâ€Pâ€152]: ASSOCIATION OF CORTICAL AMYLOID LOAD WITH RESTINGâ€STATE EEG FUNCTIONAL CONNECTIVITY IN SUBJECTIVE MEMORY COMPLAINERS FROM THE INSIGHTâ€PRE AD STUDY. Alzheimer's and Dementia, 2017, 13, P114.	0.8	0
54	[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

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55	[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
56	[F4â€“01â€“03]: HETEROGENEITY OF HYPOMETABOLIC BRAIN DYSFUNCTION IN AMNESTIC MCI. Alzheimer's and Dementia, 2017, 13, P1211.	0.8	0
57	Does Functional Connectivity Provide a Marker for Cognitive Rehabilitation Effects in Alzheimerâ€™s Disease? An Interventional Study. Journal of Alzheimer's Disease, 2017, 57, 1303-1313.	2.6	12
58	The Primacy Effect in Amnestic Mild Cognitive Impairment: Associations with Hippocampal Functional Connectivity. Frontiers in Aging Neuroscience, 2016, 8, 244.	3.4	18
59	IC-P-045: Functional Connectivity in Alzheimerâ€™s Dementia and Mild Cognitive Impairment: A Large-Scale Multicenter Resting-State FMRI Study. , 2016, 12, P38-P38.		0
60	IC-P-035: Association of Hippocampal Resting State Networks and The Primacy Effect as A Marker of Consolidation in Amnestic MCI. , 2016, 12, P32-P33.		0
61	ICâ€Pâ€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
62	P2â€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
63	P2â€236: Association of Hippocampal Resting State Networks and the Primacy Effect as a Marker of Consolidation in Amnestic MCI. Alzheimer's and Dementia, 2016, 12, P714.	0.8	0
64	P3â€281: Altered Functional Connectivity of the Default Mode Network in Alzheimerâ€™s Dementia and Mild Cognitive Impairment: Results From a Largeâ€Scale Multicenter Restingâ€State Fmri Study. Alzheimer's and Dementia, 2016, 12, P945.	0.8	0
65	Measuring Cortical Connectivity in Alzheimerâ€™s Disease as a Brain Neural Network Pathology: Toward Clinical Applications. Journal of the International Neuropsychological Society, 2016, 22, 138-163.	1.8	92
66	Is the left uncinate fasciculus associated with verbal fluency decline in mild Alzheimer's disease?. Translational Neuroscience, 2016, 7, 89-91.	1.4	7
67	Robust Detection of Impaired Resting State Functional Connectivity Networks in Alzheimer's Disease Using Elastic Net Regularized Regression. Frontiers in Aging Neuroscience, 2016, 8, 318.	3.4	36
68	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
69	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
70	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
71	Basal Forebrain and Hippocampus as Predictors of Conversion to Alzheimerâ€™s Disease in Patients with Mild Cognitive Impairment â€“ A Multicenter DTI and Volumetry Study. Journal of Alzheimer's Disease, 2015, 48, 197-204.	2.6	56
72	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

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73	IC-P-105: Basal forebrain and hippocampus as predictors of conversion to Alzheimer's disease in patients with mild cognitive impairment: AÂmulticenter DTI and volumetry study. , 2015, 11, P72-P72.		0
74	Multimodal analysis of functional and structural disconnection in <scp>A</scp>lzheimer's disease using multiple kernel <scp>SVM</scp>. Human Brain Mapping, 2015, 36, 2118-2131.	3.6	156
75	Predicting Prodromal Alzheimer's Disease in Subjects with Mild Cognitive Impairment Using Machine Learning Classification of Multimodal Multicenter Diffusionâ€Tensor and Magnetic Resonance Imaging Data. Journal of Neuroimaging, 2015, 25, 738-747.	2.0	79
76	IC-P-072: PREDICTION OF PRODROMAL AD IN MCI SUBJECTS USING MULTICENTER DTI AND MRI DATA AND MULTIPLE KERNELS SVM: AN EDSD STUDY. , 2014, 10, P40-P40.		1
77	The Îµ4 genotype of apolipoprotein E and white matter integrity in Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 401-404.	0.8	25
78	Fractional Anisotropy Changes in Alzheimer's Disease Depend on the Underlying Fiber Tract Architecture: A Multiparametric DTI Study using Joint Independent Component Analysis. Journal of Alzheimer's Disease, 2014, 41, 69-83.	2.6	71
79	Cortical thinning and its relation to cognition in amyotrophic lateral sclerosis. Neurobiology of Aging, 2014, 35, 240-246.	3.1	72
80	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
81	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
82	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
83	P1-255: PREDICTION OF PRODROMAL AD IN MCI SUBJECTS USING MULTICENTER DTI AND MRI DATA AND MULTIPLE KERNELS SVM: AN EDSD STUDY. , 2014, 10, P400-P401.		1
84	P3-222: MULTIMODAL ANALYSIS OF FUNCTIONAL AND STRUCTURAL DISCONNECTION IN AD USING MULTIPLE KERNELS SVM. , 2014, 10, P712-P712.		0
85	Robust Automated Detection of Microstructural White Matter Degeneration in Alzheimerâ€™s Disease Using Machine Learning Classification of Multicenter DTI Data. PLoS ONE, 2013, 8, e64925.	2.5	89
86	Combining DTI and MRI for the Automated Detection of Alzheimerâ€™s Disease Using a Large European Multicenter Dataset. Lecture Notes in Computer Science, 2012, , 18-28.	1.3	16
87	Goalaviour-Based Control of Heterogeneous and Distributed Smart Environments. , 2011, , .		7