Mohamad Habes

List of Publications by Year
in descending order

85 papers	3,186 citations	257357 24 h-index	175177 52 g-index
97 all docs	97 docs citations	97 times ranked	5341 citing authors

#	Article	IF	Citations
1	ADCoC: Adaptive Distribution Modeling Based Collaborative Clustering for Disentangling Disease Heterogeneity from Neuroimaging Data. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 308-318.	3.4	1
2	Elevated blood pressure is associated with advanced brain aging in mid‐life: A 30‐year follow‐up of The CARDIA Study. Alzheimer's and Dementia, 2023, 19, 924-932.	0.4	2
3	Tau pathology mediates age effects on medial temporal lobe structure. Neurobiology of Aging, 2022, 109, 135-144.	1.5	8
4	Deep Generative Medical Image Harmonization for Improving Cross‐Site Generalization in Deep Learning Predictors. Journal of Magnetic Resonance Imaging, 2022, 55, 908-916.	1.9	38
5	Instrumental validation of free water, peak‐width of skeletonized mean diffusivity, and white matter hyperintensities: MarkVCID neuroimaging kits. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12261.	1.2	25
6	Mid-life epigenetic age, neuroimaging brain age, and cognitive function: coronary artery risk development in young adults (CARDIA) study. Aging, 2022, 14, 1691-1712.	1.4	16
7	Characterizing Heterogeneity in Neuroimaging, Cognition, Clinical Symptoms, and Genetics Among Patients With Late-Life Depression. JAMA Psychiatry, 2022, 79, 464.	6.0	47
8	Association of Brain Volumes and White Matter Injury With Race, Ethnicity, and Cardiovascular Risk Factors: The Multi‐Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2022, 11, e023159.	1.6	21
9	Disentangling Alzheimer's disease neurodegeneration from typical brain ageing using machine learning. Brain Communications, 2022, 4, .	1.5	12
10	Disentangling tau and brain atrophy cluster heterogeneity across the Alzheimer's disease continuum. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	1.8	9
11	Insulin-Like Growth Factor, Inflammation, and MRI Markers of Alzheimer's Disease in Predominantly Middle-Aged Adults. Journal of Alzheimer's Disease, 2022, 88, 311-322.	1.2	6
12	Self- and Partner-Reported Subjective Memory Complaints: Association with Objective Cognitive Impairment and Risk of Decline. Journal of Alzheimer's Disease Reports, 2022, 6, 411-430.	1.2	4
13	Associations between sleep apnea and advanced brain aging in a large-scale population study. Sleep, 2021, 44, .	0.6	27
14	The Brain Chart of Aging: Machine‐learning analytics reveals links between brain aging, white matter disease, amyloid burden, and cognition in the iSTAGING consortium of 10,216 harmonized MR scans. Alzheimer's and Dementia, 2021, 17, 89-102.	0.4	92
15	Adaptive Squeeze-and-Shrink Image Denoising for Improving Deep Detection of Cerebral Microbleeds. Lecture Notes in Computer Science, 2021, , 265-275.	1.0	2
16	Predicted disconnectome associated with progressive periventricular white matter ischemia. Cerebral Circulation - Cognition and Behavior, 2021, 2, 100022.	0.4	4
17	Associated factors of white matter hyperintensity volume: a machine-learning approach. Scientific Reports, 2021, 11, 2325.	1.6	14
18	DEEPMIR: a deep neural network for differential detection of cerebral microbleeds and iron deposits in MRI. Scientific Reports, 2021, 11, 14124.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Cardiac Hypertrophy Is Associated With Advanced Brain Aging in the General Population. Journal of the American Heart Association, 2021, 10, e020994.	1.6	5
20	Association Between Obstructive Sleep Apnea and Brain White Matter Hyperintensities in a Population-Based Cohort in Germany. JAMA Network Open, 2021, 4, e2128225.	2.8	25
21	Leveraging machine learning predictive biomarkers to augment the statistical power of clinical trials with baseline magnetic resonance imaging. Brain Communications, 2021, 3, fcab264.	1.5	5
22	A deep learning framework identifies dimensional representations of Alzheimer's Disease from brain structure. Nature Communications, 2021, 12, 7065.	5.8	38
23	Abstract 10763: Atrial Fibrillation and Supraventricular Ectopy in Relation to Brain Morphology and Subclinical Vascular Brain Injury: The Multi-Ethnic Study of Atherosclerosis. Circulation, 2021, 144, .	1.6	0
24	Disentangling disease heterogeneity from neuroimaging data via adaptive distribution modeling–based collaborative clustering. Alzheimer's and Dementia, 2021, 17, .	0.4	0
25	Blood pressure is associated with advanced brain aging patterns on MRI in midlife: The CARDIA Study. Alzheimer's and Dementia, 2021, 17, .	0.4	0
26	Disentangling brain heterogeneity via semi-supervised deep-learning and MRI: Application to dimensional representations of Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, .	0.4	5
27	Mid-life epigenetic age, neuroimaging brain age, and cognitive decline: Coronary Artery Risk Development in Young Adults (CARDIA) Study. Alzheimer's and Dementia, 2021, 17, .	0.4	0
28	Disentangling Alzheimer's disease neurodegeneration from typical brain aging using MRI and machine learning. Alzheimer's and Dementia, 2021, 17, .	0.4	2
29	Clinical evaluation of SPARE-TauAD, an AV-1451-derived tau index. Alzheimer's and Dementia, 2021, 17, .	0.4	0
30	Inflammatory markers and imaging patterns of advanced brain aging in the general population. Brain Imaging and Behavior, 2020, 14, 1108-1117.	1.1	26
31	Machine learning based imaging biomarkers in large scale population studies: A neuroimaging perspective. , 2020, , 379-399.		8
32	Estimating regional cerebral blood flow using resting-state functional MRI via machine learning. Journal of Neuroscience Methods, 2020, 331, 108528.	1.3	6
33	Harmonization of large MRI datasets for the analysis of brain imaging patterns throughout the lifespan. NeuroImage, 2020, 208, 116450.	2.1	260
34	A comparison of Freesurfer and multi-atlas MUSE for brain anatomy segmentation: Findings about size and age bias, and inter-scanner stability in multi-site aging studies. NeuroImage, 2020, 223, 117248.	2.1	23
35	Disentangling Heterogeneity in Alzheimer's Disease and Related Dementias Using Data-Driven Methods. Biological Psychiatry, 2020, 88, 70-82.	0.7	87
36	Smoking mediates the relationship between SES and brain volume: The CARDIA study. PLoS ONE, 2020, 15, e0239548.	1.1	14

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37	Cerebral Microbleed Detection Via Fourier Descriptor with Dual Domain Distribution Modeling. , 2020, , .		9
38	Disentangling neurodegeneration subtypes of Alzheimer's disease using data-driven methods. Alzheimer's and Dementia, 2020, 16, e037183.	0.4	0
39	Data-driven approach reveals heterogeneity and region-specific association of white matter hyperintensities with the APOE genotype. Alzheimer's and Dementia, 2020, 16, e037342.	0.4	0
40	Impaired lung function as a risk factor for accelerated brain ageing. Alzheimer's and Dementia, 2020, 16, e040324.	0.4	0
41	Impact of vascular factors and tau deposition on functional brain network connectivity in participants of the Framingham Heart Study. Alzheimer's and Dementia, 2020, 16, e044831.	0.4	0
42	A predictive, modeling-based screening tool to enrich amyloid beta positivity in a cognitively normal sample. Alzheimer's and Dementia, 2020, 16, e045242.	0.4	0
43	Cerebral small vessel disease genomics and its implications across the lifespan. Nature Communications, 2020, 11, 6285.	5.8	89
44	MRI signatures of brain age and disease over the lifespan based on a deep brain network and 14‰468 individuals worldwide. Brain, 2020, 143, 2312-2324.	3.7	183
45	Robust Collaborative Clustering of Subjects and Radiomic Features for Cancer Prognosis. IEEE Transactions on Biomedical Engineering, 2020, 67, 2735-2744.	2.5	10
46	APOE Effect on Amyloid-β PET Spatial Distribution, Deposition Rate, and Cut-Points. Journal of Alzheimer's Disease, 2019, 69, 783-793.	1.2	15
47	A deep learning model for early prediction of Alzheimer's disease dementia based on hippocampal magnetic resonance imaging data. Alzheimer's and Dementia, 2019, 15, 1059-1070.	0.4	151
48	Precision diagnostics based on machine learning-derived imaging signatures. Magnetic Resonance Imaging, 2019, 64, 49-61.	1.0	31
49	Full exploitation of high dimensionality in brain imaging: The JPND working group statement and findings. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 286-290.	1.2	1
50	IC-P-108: WHITE MATTER HYPERINTENSITIES IN RELATION TO PATTERNS OF ACCELERATED BRAIN AGING, AD-LIKE ATROPHY AND AMYLOID BURDEN: RESULTS FROM THE ISTAGING CONSORTIUM ON MACHINE LEARNING AND LARGE-SCALE IMAGING ANALYTICS. Alzheimer's and Dementia, 2019, 15, P92.	0.4	0
51	IC-P-107: SMOKING MEDIATES THE RELATIONSHIP BETWEEN SES AND BRAIN VOLUME: THE CARDIA STUDY. Alzheimer's and Dementia, 2019, 15, P91.	0.4	0
52	A Biomarker for Alzheimer's Disease Based on Patterns of Regional Brain Atrophy. Frontiers in Psychiatry, 2019, 10, 953.	1.3	29
53	Influence of Age and Tooth Loss on Masticatory Muscles Characteristics: A Population Based MR Imaging Study. Journal of Nutrition, Health and Aging, 2018, 22, 829-836.	1.5	19
54	43. Accelerated Aging in Depression: From Physiological Aging to Brain Aging. Biological Psychiatry, 2018, 83, S17-S18.	0.7	2

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55	Regional tractâ€specific white matter hyperintensities are associated withÂpatterns of agingâ€related brain atrophy via vascular risk factors, butÂalso independently. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 278-284.	1.2	35
56	P2â€371: CSFâ€CAT: A COMPOSITE CSF AÎ² AND TAU INDEX TOWARD RADIOâ€PATHOMICS OF ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P836.	0.4	0
57	P2â€400: IMAGING SIGNATURES OF AD, BRAIN AGING AND WHITE MATTER HYPERINTENSITIES SHOW DISSOCIABLE ASSOCIATIONS WITH COGNITIVE DECLINE IN HEALTHY SUBJECTS LONGITUDINALLY FOLLOWED IN ADNI. Alzheimer's and Dementia, 2018, 14, P856.	0.4	0
58	ICâ€Pâ€021: MULTIVARIATE PATTERN ANALYSIS ON A LONGITUDINAL COHORT OF COGNITIVELY NORMAL ELDERLY REVEALS DISTINCT STAGES OF REGIONAL AMYLOID DEPOSITION. Alzheimer's and Dementia, 2018, 14, P26.	0.4	1
59	ICâ€Pâ€132: AGE AND VASCULAR DISEASE EFFECTS ON MEDIAL TEMPORAL LOBE SUBREGIONS IN COGNITIVELY NORMAL OLDER ADULTS. Alzheimer's and Dementia, 2018, 14, P109.	0.4	0
60	P2â€405: AGE AND VASCULAR DISEASE EFFECTS ON MEDIAL TEMPORAL LOBE SUBREGIONS IN COGNITIVELY NORMAL OLDER ADULTS. Alzheimer's and Dementia, 2018, 14, P861.	0.4	0
61	O4â€04â€02: A DEEP LEARNING PROGNOSTIC MODELÂFOR EARLY PREDICTION OFÂALZHEIMER'S DISEASE BASED ONÂHIPPOCAMPAL MRI DATA. Alzheimer's and Dementia, 2018, 14, P1407.	0.4	4
62	Enlarged perivascular spaces and cognition. Neurology, 2018, 91, e832-e842.	1.5	88
63	White matter lesions. Neurology, 2018, 91, e964-e975.	1.5	92
64	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in *MRPL38* for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. Stroke, 2018, 49, 1812-1819.	1.0	17
65	Heterogeneity of structural and functional imaging patterns of advanced brain aging revealed via machine learning methods. Neurobiology of Aging, 2018, 71, 41-50.	1.5	67
66	A review on neuroimaging-based classification studies and associated feature extraction methods for Alzheimer's disease and its prodromal stages. NeuroImage, 2017, 155, 530-548.	2.1	463
67	Estimating effects of craniofacial morphology on gingival recession and clinical attachment loss. Journal of Clinical Periodontology, 2017, 44, 363-371.	2.3	13
68	Association between serum neuron-specific enolase, age, overweight, and structural MRI patterns in 901 subjects. Translational Psychiatry, 2017, 7, 1272.	2.4	9
69	[ICâ€03â€"03]: REGARDLESS OF THEIR LOCATION, WHITE MATTER HYPERINTENSITIES ARE ASSOCIATED WITH ADVANCED BRAIN AGING THROUGHOUT ADULTHOOD IN THE STUDY OF HEALTH IN POMERANIA. Alzheimer's and Dementia, 2017, 13, P8.	0.4	0
70	[O5â€"05â€"03]: MAPPING THE HETEROGENEITY OF NEUROANATOMY AND FUNCTIONAL CONNECTIVITY DEVIATION FROM TYPICAL BRAIN AGING: A PATTERN ANALYSIS AND MACHINE LEARNING STUDY. Alzheimer's and Dementia, 2017, 13, P1464.	0.4	0
71	Microglia ablation alleviates myelin-associated catatonic signs in mice. Journal of Clinical Investigation, 2017, 128, 734-745.	3.9	88
72	Effect of the interaction between childhood abuse and rs1360780 of the *FKBP5* gene on gray matter volume in a general population sample. Human Brain Mapping, 2016, 37, 1602-1613.	1.9	62

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73	O2â€03â€03: Nonâ€Resilient Brain Aging in Association with Cardiovascular Risk and White Matter Hyperintensities: the Ship Study. Alzheimer's and Dementia, 2016, 12, P226.	0.4	2
74	Advanced brain aging: relationship with epidemiologic and genetic risk factors, and overlap with Alzheimer disease atrophy patterns. Translational Psychiatry, 2016, 6, e775-e775.	2.4	113
75	Relationship between *APOE* Genotype and Structural MRI Measures throughout Adulthood in the Study of Health in Pomerania Population-Based Cohort. American Journal of Neuroradiology, 2016, 37, 1636-1642.	1.2	36
76	White matter hyperintensities and imaging patterns of brain ageing in the general population. Brain, 2016, 139, 1164-1179.	3.7	314
77	A priori collaboration in population imaging: The Uniform Neuroâ€Imaging of Virchowâ€Robin Spaces Enlargement consortium. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2015, 1, 513-520.	1.2	46
78	Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. Circulation: Cardiovascular Genetics, 2015, 8, 398-409.	5.1	162
79	Association between waist circumference and gray matter volume in 2344 individuals from two adult community-based samples. NeuroImage, 2015, 122, 149-157.	2.1	90
80	Genetic, psychosocial and clinical factors associated with hippocampal volume in the general population. Translational Psychiatry, 2014, 4, e465-e465.	2.4	26
81	New technique for prostate volume assessment. World Journal of Urology, 2014, 32, 1559-1564.	1.2	11
82	A mobile and asynchronous electronic data capture system for epidemiologic studies. Computer Methods and Programs in Biomedicine, 2013, 110, 369-379.	2.6	25
83	Automated prostate segmentation in whole-body MRI scans for epidemiological studies. Physics in Medicine and Biology, 2013, 58, 5899-5915.	1.6	8
84	Automated Skull and Cavity Segmentation from Ultra Short TE Sequence Images. Current Medical Imaging, 2013, 9, 120-128.	0.4	1
85	Reproducibility of Frankfort Horizontal Plane on 3D Multi-Planar Reconstructed MR Images. PLoS ONE, 2012, 7, e48281.	1.1	21