

# Michela Pievani

## List of Publications by Year in descending order

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108  
papers

6,940  
citations

66343

42  
h-index

64796

79  
g-index

115  
all docs

115  
docs citations

115  
times ranked

9373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain atrophy in Alzheimer's Disease and aging. Ageing Research Reviews, 2016, 30, 25-48.	10.9	507
2	Resting state fMRI in Alzheimer's disease: beyond the default mode network. Neurobiology of Aging, 2012, 33, 1564-1578.	3.1	497
3	Presymptomatic cognitive and neuroanatomical changes in genetic frontotemporal dementia in the Genetic Frontotemporal dementia Initiative (GENFI) study: a cross-sectional analysis. Lancet Neurology, The, 2015, 14, 253-262.	10.2	432
4	Functional network disruption in the degenerative dementias. Lancet Neurology, The, 2011, 10, 829-843.	10.2	422
5	The topography of grey matter involvement in early and late onset Alzheimer's disease. Brain, 2007, 130, 720-730.	7.6	408
6	White Matter Damage in Alzheimer Disease and Its Relationship to Gray Matter Atrophy. Radiology, 2011, 258, 853-863.	7.3	263
7	Brain connectivity in neurodegenerative diseases—from phenotype to proteinopathy. Nature Reviews Neurology, 2014, 10, 620-633.	10.1	258
8	Age at symptom onset and death and disease duration in genetic frontotemporal dementia: an international retrospective cohort study. Lancet Neurology, The, 2020, 19, 145-156.	10.2	175
9	Patterns of gray matter atrophy in genetic frontotemporal dementia: results from the GENFI study. Neurobiology of Aging, 2018, 62, 191-196.	3.1	151
10	Hippocampal volume and cortical sources of EEG alpha rhythms in mild cognitive impairment and Alzheimer disease. NeuroImage, 2009, 44, 123-135.	4.2	145
11	Serum neurofilament light chain in genetic frontotemporal dementia: a longitudinal, multicentre cohort study. Lancet Neurology, The, 2019, 18, 1103-1111.	10.2	128
12	Survey of Protocols for the Manual Segmentation of the Hippocampus: Preparatory Steps Towards a Joint EADC-ADNI Harmonized Protocol. Journal of Alzheimer's Disease, 2011, 26, 61-75.	2.6	125
13	Disease Tracking Markers for Alzheimer's Disease at the Prodromal (MCI) Stage. Journal of Alzheimer's Disease, 2011, 26, 159-199.	2.6	120
14	Assessment of white matter tract damage in mild cognitive impairment and Alzheimer's disease. Human Brain Mapping, 2010, 31, 1862-1875.	3.6	119
15	Cortex and amygdala morphology in psychopathy. Psychiatry Research - Neuroimaging, 2011, 193, 85-92.	1.8	118
16	APOE4 is associated with greater atrophy of the hippocampal formation in Alzheimer's disease. NeuroImage, 2011, 55, 909-919.	4.2	116
17	Training labels for hippocampal segmentation based on the EADC-ADNI harmonized hippocampal protocol. Alzheimer's and Dementia, 2015, 11, 175-183.	0.8	105
18	Robust Automated Detection of Microstructural White Matter Degeneration in Alzheimer's Disease Using Machine Learning Classification of Multicenter DTI Data. PLoS ONE, 2013, 8, e64925.	2.5	89

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19	Increase of theta/gamma ratio is associated with memory impairment. <i>Clinical Neurophysiology</i> , 2009, 120, 295-303.	1.5	87
20	Assessment of the Incremental Diagnostic Value of Florbetapir F 18 Imaging in Patients With Cognitive Impairment. <i>JAMA Neurology</i> , 2016, 73, 1417.	9.0	84
21	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. <i>Journal of Neuroimaging</i> , 2015, 25, 738-747.	2.0	79
22	Abnormalities of cortical neural synchronization mechanisms in patients with dementia due to Alzheimer's and Lewy body diseases: an EEG study. <i>Neurobiology of Aging</i> , 2017, 55, 143-158.	3.1	76
23	Reactivity of Cortical Alpha Rhythms to Eye Opening in Mild Cognitive Impairment and Alzheimer's Disease: an EEG Study. <i>Journal of Alzheimer's Disease</i> , 2011, 22, 1047-1064.	2.6	66
24	Whiteâ€”matter lesions along the cholinergic tracts are related to cortical sources of EEG rhythms in amnesic mild cognitive impairment. <i>Human Brain Mapping</i> , 2009, 30, 1431-1443.	3.6	64
25	Global Functional Coupling of Resting EEG Rhythms is Related to White-Matter Lesions Along the Cholinergic Tracts in Subjects with Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 859-871.	2.6	63
26	White matter hyperintensities are seen only in GRN mutation carriers in the GENFI cohort. <i>NeuroImage: Clinical</i> , 2017, 15, 171-180.	2.7	63
27	Early and late onset Alzheimer's disease patients have distinct patterns of white matter damage. <i>Neurobiology of Aging</i> , 2012, 33, 1023-1033.	3.1	61
28	The topography of brain damage at different stages of Parkinson's disease. <i>Human Brain Mapping</i> , 2013, 34, 2798-2807.	3.6	61
29	Abnormalities of resting-state functional cortical connectivity in patients with dementia due to Alzheimer's and Lewy body diseases: an EEG study. <i>Neurobiology of Aging</i> , 2018, 65, 18-40.	3.1	61
30	Medial temporal atrophy in early and late-onset Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 2004-2012.	3.1	59
31	Cerebrovascular Disease and Hippocampal Atrophy Are Differently Linked to Functional Coupling of Brain Areas: An EEG Coherence Study in MCI Subjects. <i>Journal of Alzheimer's Disease</i> , 2008, 14, 285-299.	2.6	57
32	Increase of Theta/Gamma and Alpha3/Alpha2 Ratio is Associated with Amygdalo-Hippocampal Complex Atrophy. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 349-357.	2.6	56
33	Evolutionary modifications in human brain connectivity associated with schizophrenia. <i>Brain</i> , 2019, 142, 3991-4002.	7.6	56
34	Cognitive reserve and TMEM106B genotype modulate brain damage in presymptomatic frontotemporal dementia: a GENFI study. <i>Brain</i> , 2017, 140, 1784-1791.	7.6	55
35	White matter vascular lesions are related to parietalâ€”frontal coupling of EEG rhythms in mild cognitive impairment. <i>Human Brain Mapping</i> , 2008, 29, 1355-1367.	3.6	53
36	Striatal morphology in early-onset and late-onset Alzheimer's disease: a preliminary study. <i>Neurobiology of Aging</i> , 2013, 34, 1728-1739.	3.1	52

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37	Abnormalities of Resting State Cortical EEG Rhythms in Subjects with Mild Cognitive Impairment Due to Alzheimer's and Lewy Body Diseases. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 247-268.	2.6	50
38	White-matter vascular lesions correlate with alpha EEG sources in mild cognitive impairment. <i>Neuropsychologia</i> , 2008, 46, 1707-1720.	1.6	49
39	Morphological Hippocampal Markers for Automated Detection of Alzheimer's Disease and Mild Cognitive Impairment Converters in Magnetic Resonance Images. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 643-659.	2.6	48
40	Diffusion tensor MRI contributes to differentiate Richardson's syndrome from PSP-parkinsonism. <i>Neurobiology of Aging</i> , 2012, 33, 2817-2826.	3.1	48
41	Pattern of structural and functional brain abnormalities in asymptomatic granulin mutation carriers. <i>Alzheimer's and Dementia</i> , 2014, 10, S354-S363.e1.	0.8	48
42	A multi-element psychosocial intervention for early psychosis (GET UP PIANO TRIAL) conducted in a catchment area of 10 million inhabitants: study protocol for a pragmatic cluster randomized controlled trial. <i>Trials</i> , 2012, 13, 73.	1.6	47
43	Functional network resilience to pathology in presymptomatic genetic frontotemporal dementia. <i>Neurobiology of Aging</i> , 2019, 77, 169-177.	3.1	47
44	Abnormalities of Cortical Neural Synchronization Mechanisms in Subjects with Mild Cognitive Impairment due to Alzheimer's and Parkinson's Diseases: An EEG Study. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 339-358.	2.6	45
45	Functional cortical source connectivity of resting state electroencephalographic alpha rhythms shows similar abnormalities in patients with mild cognitive impairment due to Alzheimer's and Parkinson's diseases. <i>Clinical Neurophysiology</i> , 2018, 129, 766-782.	1.5	45
46	Brain Vascular Damage of Cholinergic Pathways and EEG Markers in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 357-372.	2.6	44
47	Structural brain features of borderline personality and bipolar disorders. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 83-91.	1.8	43
48	Progression of Behavioral Disturbances and Neuropsychiatric Symptoms in Patients With Genetic Frontotemporal Dementia. <i>JAMA Network Open</i> , 2021, 4, e2030194.	5.9	42
49	Effects of estrogens on cognition and brain morphology: Involvement of the cerebellum. <i>Maturitas</i> , 2006, 54, 222-228.	2.4	41
50	Stability of clinical condition in mild cognitive impairment is related to cortical sources of alpha rhythms: An electroencephalographic study. <i>Human Brain Mapping</i> , 2011, 32, 1916-1931.	3.6	41
51	Progranulin plasma levels predict the presence of GRN mutations in asymptomatic subjects and do not correlate with brain atrophy: results from the GENFI study. <i>Neurobiology of Aging</i> , 2018, 62, 245.e9-245.e12.	3.1	40
52	Non-Invasive Brain Stimulation in Dementia: A Complex Network Story. <i>Neurodegenerative Diseases</i> , 2018, 18, 281-301.	1.4	39
53	Presymptomatic white matter integrity loss in familial frontotemporal dementia in the GENFI cohort: A cross-sectional diffusion tensor imaging study. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 1025-1036.	3.7	39
54	Amygdalar nuclei and hippocampal subfields on MRI: Test-retest reliability of automated volumetry across different MRI sites and vendors. <i>NeuroImage</i> , 2020, 218, 116932.	4.2	38

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55	Coordinate-Based Meta-Analysis of the Default Mode and Salience Network for Target Identification in Non-Invasive Brain Stimulation of Alzheimer's Disease and Behavioral Variant Frontotemporal Dementia Networks. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 825-843.	2.6	37
56	Using normative modelling to detect disease progression in mild cognitive impairment and Alzheimer's disease in a cross-sectional multi-cohort study. <i>Scientific Reports</i> , 2021, 11, 15746.	3.3	37
57	Brain functional network integrity sustains cognitive function despite atrophy in presymptomatic genetic frontotemporal dementia. <i>Alzheimer's and Dementia</i> , 2021, 17, 500-514.	0.8	36
58	EEG Markers Discriminate Among Different Subgroup of Patients With Mild Cognitive Impairment. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2010, 25, 58-73.	1.9	35
59	Influence of serotonin receptor 2A His452Tyr polymorphism on brain temporal structures: a volumetric MR study. <i>European Journal of Human Genetics</i> , 2006, 14, 443-449.	2.8	33
60	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
61	The inner fluctuations of the brain in presymptomatic Frontotemporal Dementia: The chronnectome fingerprint. <i>NeuroImage</i> , 2019, 189, 645-654.	4.2	33
62	Abnormalities in functional connectivity in borderline personality disorder: Correlations with metacognition and emotion dysregulation. <i>Psychiatry Research - Neuroimaging</i> , 2019, 283, 118-124.	1.8	33
63	Volumetric and topographic differences in hippocampal subdivisions in borderline personality and bipolar disorders. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 132-138.	1.8	31
64	Next Generation Sequencing Analysis in Early Onset Dementia Patients. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 243-256.	2.6	29
65	White matter hyperintensities in progranulin-associated frontotemporal dementia: A longitudinal GENFI study. <i>NeuroImage: Clinical</i> , 2019, 24, 102077.	2.7	27
66	Global Functional Coupling of Resting EEG Rhythms is Abnormal in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Psychophysiology</i> , 2009, 23, 224-234.	0.7	27
67	A data-driven disease progression model of fluid biomarkers in genetic frontotemporal dementia. <i>Brain</i> , 2022, 145, 1805-1817.	7.6	27
68	Levodopa may affect cortical excitability in Parkinson's disease patients with cognitive deficits as revealed by reduced activity of cortical sources of resting state electroencephalographic rhythms. <i>Neurobiology of Aging</i> , 2019, 73, 9-20.	3.1	26
69	Increasing Hippocampal Atrophy and Cerebrovascular Damage Is Differently Associated With Functional Cortical Coupling in MCI Patients. <i>Alzheimer Disease and Associated Disorders</i> , 2009, 23, 323-332.	1.3	23
70	Breakdown of specific functional brain networks in clinical variants of Alzheimer's disease. <i>Ageing Research Reviews</i> , 2021, 72, 101482.	10.9	21
71	Stratifying the Presymptomatic Phase of Genetic Frontotemporal Dementia by Serum $\text{NfL}$ and $\text{pNfH}$ : A Longitudinal Multicentre Study. <i>Annals of Neurology</i> , 2022, 91, 33-47.	5.3	21
72	Hippocampal atrophy in people with memory deficits: results from the population-based IPREA study. <i>International Psychogeriatrics</i> , 2014, 26, 1067-1081.	1.0	19

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73	Brain networks stimulation in dementia: insights from functional imaging. <i>Current Opinion in Neurology</i> , 2016, 29, 756-762.	3.6	19
74	Faster Cortical Thinning and Surface Area Loss in Presymptomatic and Symptomatic <i>C9orf72</i> Repeat Expansion Adult Carriers. <i>Annals of Neurology</i> , 2020, 88, 113-122.	5.3	19
75	A Score to Predict the Development of Adverse Clinical Events after Transition from Acute Hospital Wards to Post-acute Care Settings. <i>Rejuvenation Research</i> , 2012, 15, 553-563.	1.8	18
76	Norms for Imaging Markers of Brain Reserve. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 623-633.	2.6	18
77	Genetic Counseling and Testing for Alzheimer's Disease and Frontotemporal Lobar Degeneration: An Italian Consensus Protocol. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 277-291.	2.6	18
78	Association of postoperative delirium with markers of neurodegeneration and brain amyloidosis: a pilot study. <i>Neurobiology of Aging</i> , 2018, 61, 93-101.	3.1	18
79	Age at onset reveals different functional connectivity abnormalities in prodromal Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2020, 14, 2594-2605.	2.1	17
80	Spatiotemporal analysis for detection of pre-symptomatic shape changes in neurodegenerative diseases: Initial application to the GENFI cohort. <i>NeuroImage</i> , 2019, 188, 282-290.	4.2	16
81	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
82	Brain network modulation in Alzheimer's and frontotemporal dementia with transcranial electrical stimulation. <i>Neurobiology of Aging</i> , 2022, 111, 24-34.	3.1	16
83	Cerebral PET glucose hypometabolism in subjects with mild cognitive impairment and higher EEG high-alpha/low-alpha frequency power ratio. <i>Neurobiology of Aging</i> , 2017, 58, 213-224.	3.1	15
84	Neural signatures of the interaction between the 5-HTTLPR genotype and stressful life events in healthy women. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 157-163.	1.8	14
85	H1 haplotype of the MAPT gene is associated with lower regional gray matter volume in healthy carriers. <i>European Journal of Human Genetics</i> , 2009, 17, 287-294.	2.8	11
86	Whole-brain microstructural white matter alterations in borderline personality disorder patients. <i>Personality and Mental Health</i> , 2019, 13, 96-106.	1.2	10
87	Functional Imaging to Guide Network-Based TMS Treatments: Toward a Tailored Medicine Approach in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 687493.	2.8	10
88	A panel of CSF proteins separates genetic frontotemporal dementia from presymptomatic mutation carriers: a GENFI study. <i>Molecular Neurodegeneration</i> , 2021, 16, 79.	10.8	9
89	The in vivo topography of cortical changes in healthy aging and prodromal Alzheimer's disease. <i>Supplements To Clinical Neurophysiology</i> , 2013, 62, 67-80.	2.1	8
90	Do Beliefs about the Pathogenetic Role of Amyloid Affect the Interpretation of Amyloid PET in the Clinic?. <i>Neurodegenerative Diseases</i> , 2016, 16, 111-117.	1.4	6

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91	Neurobiological and clinical effect of metacognitive interpersonal therapy vs structured clinical model: study protocol for a randomized controlled trial. BMC Psychiatry, 2019, 19, 195.	2.6	4
92	Convergent and Discriminant Validity of Default Mode Network and Limbic Network Perfusion in Amnesic Mild Cognitive Impairment Patients. Journal of Alzheimer's Disease, 2021, 82, 1797-1808.	2.6	4
93	Targeting Default Mode Network Dysfunction in Persons at Risk of Alzheimer's Disease with Transcranial Magnetic Stimulation (NEST4AD): Rationale and Study Design. Journal of Alzheimer's Disease, 2021, 83, 1-13.	2.6	4
94	Hippocampal segmentation by Random Forest classification. , 2011, , .		2
95	Diffuse white matter alteration in CLIPPERS: Advanced MRI findings from two cases. Journal of the Neurological Sciences, 2019, 402, 40-47.	0.6	1
96	Aberrant Structural Connectivity of the Triple Network System in Borderline Personality Disorder Is Associated with Behavioral Dysregulation. Journal of Clinical Medicine, 2022, 11, 1757.	2.4	1
97	Morphological analysis in epidemiological studies using growing and adaptive MESHes: Application to subcortical structures in AD. , 2010, , .		0
98	Robustness and sensitivity of hotelling's T2-based permutation tests for selection of 3D morphological markers. , 2010, , .		0
99	[ICâ€Pâ€173]: NONâ€INVASIVE BRAIN MODULATION OF ABERRANT NETWORKS IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P129.	0.8	0
100	[ICâ€Pâ€174]: NETWORKâ€BASED MODULATION OF CEREBRAL PERFUSION AND FUNCTIONAL CONNECTIVITY IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P130.	0.8	0
101	[P1â€399]: NONâ€INVASIVE BRAIN MODULATION OF ABERRANT NETWORKS IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P425.	0.8	0
102	[P2â€334]: NETWORKâ€BASED MODULATION OF CEREBRAL PERFUSION AND FUNCTIONAL CONNECTIVITY IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P748.	0.8	0
103	P2â€370: AMYLOIDâ€PET FOR MYELIN IMAGING IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P836.	0.8	0
104	P1â€395: FUNCTIONAL NETWORK CONNECTIVITY CHANGES IN EARLY AND LATE ONSET ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P453.	0.8	0
105	ICâ€Pâ€040: FUNCTIONAL NETWORK CONNECTIVITY CHANGES IN EARLY AND LATE ONSET ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P41.	0.8	0
106	ICâ€Pâ€158: BRAIN NETWORK MODULATION IN ALZHEIMER'S DISEASE AND BEHAVIORAL VARIANT FRONTOTEMPORAL DEMENTIA WITH ELECTRICAL STIMULATION: A PILOT DOUBLEâ€BLIND RANDOMIZED TRIAL. Alzheimer's and Dementia, 2019, 15, P126.	0.8	0
107	Inâ€vivo imaging of locus coeruleus integrity at ultraâ€high field: A feasibility study. Alzheimer's and Dementia, 2020, 16, e040835.	0.8	0
108	Divergent brain connectivity patterns in relation to cognition in Alzheimer's disease and frontotemporal dementia. Alzheimer's and Dementia, 2021, 17, .	0.8	0