Nicola Filippini

List of Publications by Year
in descending order

113	15,367	46984 47	30058 103
papers	citations	h-index	g-index

135	135	135	18946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correspondence of the brain's functional architecture during activation and rest. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13040-13045.	3.3	4,636
2	Distinct patterns of brain activity in young carriers of the APOE -Îµ4 allele. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7209-7214.	3.3	1,524
3	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. NeuroImage, 2014, 95, 232-247.	2.1	1,148
4	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. EClinicalMedicine, 2021, 31, 100683.	3.2	435
5	The Organization of Dorsal Frontal Cortex in Humans and Macaques. Journal of Neuroscience, 2013, 33, 12255-12274.	1.7	366
6	Phantom pain is associated with preserved structure and function in the former hand area. Nature Communications, 2013, 4, 1570.	5.8	291
7	A meta-analysis of diffusion tensor imaging in mild cognitive impairment and Alzheimer's disease. Neurobiology of Aging, 2011, 32, 2322.e5-2322.e18.	1.5	281
8	Moderate alcohol consumption as risk factor for adverse brain outcomes and cognitive decline: longitudinal cohort study. BMJ: British Medical Journal, 2017, 357, j2353.	2.4	279
9	Towards a comprehensive framework for movement and distortion correction of diffusion MR images: Within volume movement. NeuroImage, 2017, 152, 450-466.	2.1	278
10	Thalamic atrophy associated with painful osteoarthritis of the hip is reversible after arthroplasty: A longitudinal voxelâ€based morphometric study. Arthritis and Rheumatism, 2010, 62, 2930-2940.	6.7	267
11	Brain connectivity in neurodegenerative diseasesâ€”from phenotype to proteinopathy. Nature Reviews Neurology, 2014, 10, 620-633.	4.9	258
12	Corpus callosum involvement is a consistent feature of amyotrophic lateral sclerosis. Neurology, 2010, 75, 1645-1652.	1.5	257
13	Integration of structural and functional magnetic resonance imaging in amyotrophic lateral sclerosis. Brain, 2011, 134, 3470-3479.	3.7	229
14	Classification and characterization of periventricular and deep white matter hyperintensities on MRI: A study in older adults. NeuroImage, 2018, 170, 174-181.	2.1	191
15	Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. Science Translational Medicine, 2016, 8, 330re1.	5.8	178
16	Differential effects of the APOE genotype on brain function across the lifespan. NeuroImage, 2011, 54, 602-610.	2.1	168
17	Functional connectivity in the basal ganglia network differentiates PD patients from controls. Neurology, 2014, 83, 208-214.	1.5	159
18	Local GABA concentration is related to network-level resting functional connectivity. ELife, 2014, 3, e01465.	2.8	157

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19	Widespread grey matter pathology dominates the longitudinal cerebral MRI and clinical landscape of amyotrophic lateral sclerosis. Brain, 2014, 137, 2546-2555.	3.7	151
20	The APOE É›4 allele modulates brain white matter integrity in healthy adults. Molecular Psychiatry, 2011, 16, 908-916.	4.1	147
21	Anatomically-distinct genetic associations of APOE É›4 allele load with regional cortical atrophy in Alzheimer's disease. NeuroImage, 2009, 44, 724-728.	2.1	144
22	The effects of APOE on the functional architecture of the resting brain. NeuroImage, 2012, 59, 565-572.	2.1	130
23	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 2010, 63, 641-647.	1.9	109
24	SSRI administration reduces resting state functional connectivity in dorso-medial prefrontal cortex. Molecular Psychiatry, 2011, 16, 592-594.	4.1	100
25	Increased resting state functional connectivity in the default mode network in recovered anorexia nervosa. Human Brain Mapping, 2014, 35, 483-491.	1.9	99
26	Changes in functional connectivity and GABA levels with long-term motor learning. NeuroImage, 2015, 106, 15-20.	2.1	95
27	Network-level reorganisation of functional connectivity following arm amputation. NeuroImage, 2015, 114, 217-225.	2.1	91
28	Language networks in anophthalmia: maintained hierarchy of processing in â€˜visualâ€™ cortex. Brain, 2012, 135, 1566-1577.	3.7	89
29	New insights into the brain involvement in patients with Crohnâ€™s disease: a voxelâ€based morphometry study. Neurogastroenterology and Motility, 2013, 25, 147.	1.6	87
30	Associations between selfâ€reported sleep quality and white matter in communityâ€dwelling older adults: A prospective cohort study. Human Brain Mapping, 2017, 38, 5465-5473.	1.9	87
31	Multimodal brain-age prediction and cardiovascular risk: The Whitehall II MRI sub-study. NeuroImage, 2020, 222, 117292.	2.1	85
32	Reduced cerebrovascular reactivity in young adults carrying the APOE Îµ4 allele. Alzheimer's and Dementia, 2015, 11, 648.	0.4	84
33	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. Cortex, 2013, 49, 668-678.	1.1	83
34	Study protocol: the Whitehall II imaging sub-study. BMC Psychiatry, 2014, 14, 159.	1.1	82
35	The effects of APOE-Îµ4 on the BOLD response. Neurobiology of Aging, 2012, 33, 323-334.	1.5	81
36	Challenges in the reproducibility of clinical studies with resting state fMRI: An example in early Parkinson's disease. NeuroImage, 2016, 124, 704-713.	2.1	81

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37	Apolipoprotein E genotype, gender and age modulate connectivity of the hippocampus in healthy adults. NeuroImage, 2014, 98, 23-30.	2.1	80
38	Gray matter volume is associated with rate of subsequent skill learning after a long term training intervention. NeuroImage, 2014, 96, 158-166.	2.1	78
39	Prediction of brain age and cognitive age: Quantifying brain and cognitive maintenance in aging. Human Brain Mapping, 2021, 42, 1626-1640.	1.9	74
40	Diagnostic Accuracy of Diffusion Tensor Imaging in Amyotrophic Lateral Sclerosis. Academic Radiology, 2013, 20, 1099-1106.	1.3	70
41	Brain functional changes in patients with ulcerative colitis. Inflammatory Bowel Diseases, 2011, 17, 1769-1777.	0.9	65
42	Predicting rapid response to cognitive-behavioural treatment for panic disorder: The role of hippocampus, insula, and dorsolateral prefrontal cortex. Behaviour Research and Therapy, 2014, 62, 120-128.	1.6	61
43	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. Frontiers in Neuroscience, 2015, 9, 395.	1.4	61
44	Fractional Anisotropy in the Posterior Limb of the Internal Capsule and Prognosis in Amyotrophic Lateral Sclerosis. Archives of Neurology, 2012, 69, 1493.	4.9	60
45	Resting Functional Connectivity Reveals Residual Functional Activity in Alzheimerâ€™s Disease. Biological Psychiatry, 2013, 74, 375-383.	0.7	59
46	Structural Connectivity Variances Underlie Functional and Behavioral Changes During Pain Relief Induced by Neuromodulation. Scientific Reports, 2017, 7, 41603.	1.6	54
47	Functional magnetic resonance imaging study reveals differences in the habituation to psychological stress in patients with Crohnâ€™s disease versus healthy controls. Journal of Behavioral Medicine, 2013, 36, 477-487.	1.1	51
48	Peripheral DNA methylation, cognitive decline and brain aging: pilot findings from the Whitehall II imaging study. Epigenomics, 2018, 10, 585-595.	1.0	50
49	The effects of APOE on brain activity do not simply reflect the risk of Alzheimer's disease. Neurobiology of Aging, 2012, 33, 618.e1-618.e13.	1.5	48
50	Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. NeuroImage: Clinical, 2015, 8, 126-132.	1.4	45
51	Differences in integrity of white matter and changes with training in spelling impaired children: a diffusion tensor imaging study. Brain Structure and Function, 2012, 217, 747-760.	1.2	43
52	Effective emotion regulation strategies improve fMRI and ECG markers of psychopathology in panic disorder: implications for psychological treatment action. Translational Psychiatry, 2015, 5, e673-e673.	2.4	43
53	Functional connectivity changes and their relationship with clinical disability and white matter integrity in patients with relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal, 2015, 21, 1681-1692.	1.4	43
54	Association of Long-Term Diet Quality with Hippocampal Volume: Longitudinal Cohort Study. American Journal of Medicine, 2018, 131, 1372-1381.e4.	0.6	42

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55	Lifetime hypertension as a predictor of brain structure in older adults: cohort study with a 28-year follow-up. British Journal of Psychiatry, 2015, 206, 308-315.	1.7	40
56	Age-related adaptations of brain function during a memory task are also present at rest. NeuroImage, 2012, 59, 3821-3828.	2.1	37
57	Sleep duration over 28 years, cognition, gray matter volume, and white matter microstructure: a prospective cohort study. Sleep, 2020, 43, .	0.6	37
58	Regional atrophy of transcallosal prefrontal connections in cognitively normal APOE Ïµ4 carriers. Journal of Magnetic Resonance Imaging, 2009, 29, 1021-1026.	1.9	36
59	Effect of age and the APOE gene on metabolite concentrations in the posterior cingulate cortex. NeuroImage, 2017, 152, 509-516.	2.1	36
60	Influence of serotonin receptor 2A His452Tyr polymorphism on brain temporal structures: a volumetric MR study. European Journal of Human Genetics, 2006, 14, 443-449.	1.4	33
61	Structural and functional imaging of the hippocampus in young people at familial risk of depression. Psychological Medicine, 2014, 44, 2939-2948.	2.7	33
62	Brain Structural and Functional Connectivity and the Progression of Neuropathology in Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 33, S163-S172.	1.2	31
63	Using Structural and Diffusion Magnetic Resonance Imaging To Differentiate the Dementias. Current Neurology and Neuroscience Reports, 2014, 14, 475.	2.0	31
64	Allostatic load as a predictor of grey matter volume and white matter integrity in old age: The Whitehall II MRI study. Scientific Reports, 2018, 8, 6411.	1.6	31
65	Quantitative FLAIR MRI in Amyotrophic Lateral Sclerosis. Academic Radiology, 2017, 24, 1187-1194.	1.3	31
66	Disrupted Resting-State Functional Connectivity in Progressive Supranuclear Palsy. American Journal of Neuroradiology, 2015, 36, 915-921.	1.2	27
67	Sub-threshold depressive symptoms and brain structure: A magnetic resonance imaging study within the Whitehall II cohort. Journal of Affective Disorders, 2016, 204, 219-225.	2.0	26
68	Reproducibility of Resting State Connectivity in Patients with Stable Multiple Sclerosis. PLoS ONE, 2016, 11, e0152158.	1.1	24
69	Reduced Resting-State Functional Connectivity in Current and Recovered Restrictive Anorexia Nervosa. Frontiers in Psychiatry, 2017, 8, 30.	1.3	23
70	Pronounced focal and diffuse brain damage predicts short-term disease evolution in patients with clinically isolated syndrome suggestive of multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 1432-1440.	1.4	22
71	Distinct resting-state functional connections associated with episodic and visuospatial memory in older adults. NeuroImage, 2017, 159, 122-130.	2.1	22
72	Impact of automated ICA-based denoising of fMRI data in acute stroke patients. NeuroImage: Clinical, 2017, 16, 23-31.	1.4	21

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73	Large-scale intrinsic connectivity is consistent across varying task demands. PLoS ONE, 2019, 14, e0213861.	1.1	20
74	Association of trajectories of depressive symptoms with vascular risk, cognitive function and adverse brain outcomes: The Whitehall II MRI sub-study. Journal of Psychiatric Research, 2020, 131, 85-93.	1.5	19
75	Associations between arterial stiffening and brain structure, perfusion, and cognition in the Whitehall II Imaging Sub-study: A retrospective cohort study. PLoS Medicine, 2020, 17, e1003467.	3.9	19
76	Resting state functional connectivity patterns as biomarkers of treatment response to escitalopram in patients with major depressive disorder. Psychopharmacology, 2022, 239, 3447-3460.	1.5	17
77	Effects of seven-day diazepam administration on resting-state functional connectivity in healthy volunteers: a randomized, double-blind study. Psychopharmacology, 2015, 232, 2139-2147.	1.5	16
78	Exploring variability in basal ganglia connectivity with functional MRI in healthy aging. Brain Imaging and Behavior, 2018, 12, 1822-1827.	1.1	16
79	Adapting the UK Biobank Brain Imaging Protocol and Analysis Pipeline for the C-MORE Multi-Organ Study of COVID-19 Survivors. Frontiers in Neurology, 2021, 12, 753284.	1.1	16
80	Can complex visual discrimination deficits in amnesia be attributed to the medial temporal lobe? An investigation into the effects of medial temporal lobe damage on brain connectivity. Hippocampus, 2013, 23, 7-13.	0.9	15
81	DÃ©jÃ-vu? Neural and behavioural effects of the 5-HT4 receptor agonist, prucalopride, in a hippocampal-dependent memory task. Translational Psychiatry, 2021, 11, 497.	2.4	15
82	Genetic variation in GOLM1 and prefrontal cortical volume in Alzheimer's disease. Neurobiology of Aging, 2012, 33, 457-465.	1.5	14
83	Subjective Cognitive Complaints Given in Questionnaire: Relationship With Brain Structure, Cognitive Performance and Self-Reported Depressive Symptoms in a 25-Year Retrospective Cohort Study. American Journal of Geriatric Psychiatry, 2021, 29, 217-226.	0.6	14
84	Associations Between Longitudinal Trajectories of Cognitive and Social Activities and Brain Health in Old Age. JAMA Network Open, 2020, 3, e2013793.	2.8	13
85	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. NeuroImage: Clinical, 2021, 30, 102616.	1.4	13
86	Functional Connectivity between Task-Positive Networks and the Left Precuneus as a Biomarker of Response to Lamotrigine in Bipolar Depression: A Pilot Study. Pharmaceuticals, 2021, 14, 534.	1.7	11
87	Encoding-related brain activity and accelerated forgetting in transient epileptic amnesia. Cortex, 2019, 110, 127-140.	1.1	10
88	Multimodal MRI of grey matter, white matter, and functional connectivity in cognitively healthy mutation carriers at risk for frontotemporal dementia and Alzheimer's disease. BMC Neurology, 2019, 19, 343.	0.8	10
89	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. NeuroImage, 2021, 237, 118189.	2.1	10
90	Impaired Functional Connectivity Unmasked by Simple Repetitive Motor Task in Early Relapsing-Remitting Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2015, 29, 557-565.	1.4	9

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91	Predicting cognitive resilience from midlife lifestyle and multi-modal MRI: A 30-year prospective cohort study. PLoS ONE, 2019, 14, e0211273.	1.1	9
92	Association of midlife stroke risk with structural brain integrity and memory performance at older ages: a longitudinal cohort study. Brain Communications, 2020, 2, fcaa026.	1.5	9
93	Association of cerebral small vessel disease burden with brain structure and cognitive and vascular risk trajectories in mid-to-late life. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 600-612.	2.4	9
94	Resilience and MRI correlates of cognitive impairment in community-dwelling elders. British Journal of Psychiatry, 2015, 207, 435-439.	1.7	8
95	Dopaminergic modulation of regional cerebral blood flow: An arterial spin labelling study of genetic and pharmacological manipulation of COMT activity. NeuroImage, 2021, 234, 117999.	2.1	5
96	Uncoupling protein 2 haplotype does not affect human brain structure and function in a sample of community-dwelling older adults. PLoS ONE, 2017, 12, e0181392.	1.1	4
97	Other magnetic resonance imaging techniques. International Psychogeriatrics, 2011, 23, S50-S57.	0.6	3
98	Towards a functional hierarchy of resting-state networks. NeuroImage, 2009, 47, S169.	2.1	1
99	Association of trajectories of depressive symptoms with vascular risk factors, cognitive function and adverse brain outcomes: A 28â€year followâ€up. Alzheimer's and Dementia, 2020, 16, e041823.	0.4	1
100	Neural effects of a single dose of fluoxetine on resting-state functional connectivity in adolescent depression. Journal of Psychopharmacology, 2020, 34, 1461-1465.	2.0	1
101	PATH44 Corpus callosum diffusion tensor imaging as a biomarker for motor neurone disease. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, e19-e20.	0.9	0
102	P89 An MRI biomarker for motor neuron disease?. Neuromuscular Disorders, 2010, 20, S29.	0.3	0
103	Can maladaptive cortical plasticity form new sensory experiences? Revisiting phantom pain. Seeing and Perceiving, 2012, 25, 134.	0.4	0
104	RESTING FUNCTIONAL CONNECTIVITY REVEALS RESIDUAL FUNCTIONAL ACTIVITY IN ALZHEIMER'S DISEASE. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, e2.138-e2.	0.9	0
105	(Non)sensory reorganisation following arm amputation. Multisensory Research, 2013, 26, 93.	0.6	0
106	RESTING STATE FMRI DISCERNS EARLY PARKINSON'S FROM CONTROLS. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, e4.118-e4.	0.9	0
107	Structural and functional imaging of the hippocampus in young people at familial risk of depressionÂâ€“ÂCORRIGENDUM. Psychological Medicine, 2014, 44, 2949-2949.	2.7	0
108	P.1.i.024 Effects of short-term diazepam administration on resting-state functional connectivity in healthy adults. European Neuropsychopharmacology, 2014, 24, S311.	0.3	0

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109	S22-3MODERATE ALCOHOL CONSUMPTION MAY BE A RISK FACTOR FOR ADVERSE BRAIN OUTCOMES AND COGNITIVE DECLINE. Alcohol and Alcoholism, 2017, 52, i4-i30.	0.9	0
110	F2â€05â€01: SLEEP DURATION OVER 28 YEARS AND GREY MATTER VOLUMES: A PROSPECTIVE COHORT STUDY. Alzheimer's and Dementia, 2019, 15, P522.	0.4	0
111	F6. Longitudinal Mid-Life Stroke Risk Predicts Brain Structure in the Aging Whitehall II Cohort. Biological Psychiatry, 2019, 85, S215.	0.7	0
112	P.283 Decreased resting state functional connectivity as a biomarker of poor response to escitalopram in patients with depression. European Neuropsychopharmacology, 2020, 40, S160-S161.	0.3	0
113	Longitudinal aortic stiffness is associated with brain microstructure and cognition: A voxelâ€wise magnetic resonance imaging study. Alzheimer's and Dementia, 2020, 16, e041822.	0.4	0