

Nicola Filippini

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

11,486
citations

44
h-index

107
g-index

135
ext. papers

13,983
ext. citations

5.9
avg, IF

5.98
L-index

#	Paper	IF	Citations
110	Correspondence of the brain's functional architecture during activation and rest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13040-5	11.5	3661
109	Distinct patterns of brain activity in young carriers of the APOE-epsilon4 allele. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7209-14	11.5	1286
108	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. <i>NeuroImage</i> , 2014 , 95, 232-47	7.9	708
107	The organization of dorsal frontal cortex in humans and macaques. <i>Journal of Neuroscience</i> , 2013 , 33, 12255-74	6.6	281
106	Thalamic atrophy associated with painful osteoarthritis of the hip is reversible after arthroplasty: a longitudinal voxel-based morphometric study. <i>Arthritis and Rheumatism</i> , 2010 , 62, 2930-40		225
105	Corpus callosum involvement is a consistent feature of amyotrophic lateral sclerosis. <i>Neurology</i> , 2010 , 75, 1645-52	6.5	222
104	A meta-analysis of diffusion tensor imaging in mild cognitive impairment and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011 , 32, 2322.e5-18	5.6	218
103	Phantom pain is associated with preserved structure and function in the former hand area. <i>Nature Communications</i> , 2013 , 4, 1570	17.4	217
102	Integration of structural and functional magnetic resonance imaging in amyotrophic lateral sclerosis. <i>Brain</i> , 2011 , 134, 3470-9	11.2	195
101	Brain connectivity in neurodegenerative diseases--from phenotype to proteinopathy. <i>Nature Reviews Neurology</i> , 2014 , 10, 620-33	15	183
100	Moderate alcohol consumption as risk factor for adverse brain outcomes and cognitive decline: longitudinal cohort study. <i>BMJ, The</i> , 2017 , 357, j2353	5.9	177
99	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. <i>EClinicalMedicine</i> , 2021 , 31, 100683	11.3	164
98	Differential effects of the APOE genotype on brain function across the lifespan. <i>NeuroImage</i> , 2011 , 54, 602-10	7.9	149
97	Towards a comprehensive framework for movement and distortion correction of diffusion MR images: Within volume movement. <i>NeuroImage</i> , 2017 , 152, 450-466	7.9	145
96	Widespread grey matter pathology dominates the longitudinal cerebral MRI and clinical landscape of amyotrophic lateral sclerosis. <i>Brain</i> , 2014 , 137, 2546-55	11.2	126
95	The APOE e4 allele modulates brain white matter integrity in healthy adults. <i>Molecular Psychiatry</i> , 2011 , 16, 908-16	15.1	125
94	Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. <i>Science Translational Medicine</i> , 2016 , 8, 330re1	17.5	124

93	Anatomically-distinct genetic associations of APOE epsilon4 allele load with regional cortical atrophy in Alzheimer's disease. <i>NeuroImage</i> , 2009 , 44, 724-8	7.9	124
92	Functional connectivity in the basal ganglia network differentiates PD patients from controls. <i>Neurology</i> , 2014 , 83, 208-14	6.5	123
91	Local GABA concentration is related to network-level resting functional connectivity. <i>ELife</i> , 2014 , 3, e01465	6.5	120
90	Classification and characterization of periventricular and deep white matter hyperintensities on MRI: A study in older adults. <i>NeuroImage</i> , 2018 , 170, 174-181	7.9	110
89	The effects of APOE on the functional architecture of the resting brain. <i>NeuroImage</i> , 2012 , 59, 565-72	7.9	107
88	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 641-7	4.4	100
87	SSRI administration reduces resting state functional connectivity in dorso-medial prefrontal cortex. <i>Molecular Psychiatry</i> , 2011 , 16, 592-4	15.1	87
86	Increased resting state functional connectivity in the default mode network in recovered anorexia nervosa. <i>Human Brain Mapping</i> , 2014 , 35, 483-91	5.9	82
85	Language networks in anophthalmia: maintained hierarchy of processing in visual cortex. <i>Brain</i> , 2012 , 135, 1566-77	11.2	74
84	Network-level reorganisation of functional connectivity following arm amputation. <i>NeuroImage</i> , 2015 , 114, 217-25	7.9	73
83	The effects of APOE- ϵ 4 on the BOLD response. <i>Neurobiology of Aging</i> , 2012 , 33, 323-34	5.6	73
82	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. <i>Cortex</i> , 2013 , 49, 668-78	3.8	72
81	Changes in functional connectivity and GABA levels with long-term motor learning. <i>NeuroImage</i> , 2015 , 106, 15-20	7.9	68
80	New insights into the brain involvement in patients with Crohn's disease: a voxel-based morphometry study. <i>Neurogastroenterology and Motility</i> , 2013 , 25, 147-e82	4	68
79	Reduced cerebrovascular reactivity in young adults carrying the APOE ϵ 4 allele. <i>Alzheimer's and Dementia</i> , 2015 , 11, 648-57.e1	1.2	65
78	Apolipoprotein E genotype, gender and age modulate connectivity of the hippocampus in healthy adults. <i>NeuroImage</i> , 2014 , 98, 23-30	7.9	63
77	Diagnostic accuracy of diffusion tensor imaging in amyotrophic lateral sclerosis: a systematic review and individual patient data meta-analysis. <i>Academic Radiology</i> , 2013 , 20, 1099-106	4.3	61
76	Study protocol: The Whitehall II imaging sub-study. <i>BMC Psychiatry</i> , 2014 , 14, 159	4.2	58

75	Challenges in the reproducibility of clinical studies with resting state fMRI: An example in early Parkinson's disease. <i>NeuroImage</i> , 2016 , 124, 704-713	7.9	55
74	Fractional anisotropy in the posterior limb of the internal capsule and prognosis in amyotrophic lateral sclerosis. <i>Archives of Neurology</i> , 2012 , 69, 1493-9		55
73	Associations between self-reported sleep quality and white matter in community-dwelling older adults: A prospective cohort study. <i>Human Brain Mapping</i> , 2017 , 38, 5465-5473	5.9	54
72	Gray matter volume is associated with rate of subsequent skill learning after a long term training intervention. <i>NeuroImage</i> , 2014 , 96, 158-66	7.9	53
71	Predicting rapid response to cognitive-behavioural treatment for panic disorder: the role of hippocampus, insula, and dorsolateral prefrontal cortex. <i>Behaviour Research and Therapy</i> , 2014 , 62, 120-8	5.2	51
70	Resting functional connectivity reveals residual functional activity in Alzheimer's disease. <i>Biological Psychiatry</i> , 2013 , 74, 375-83	7.9	51
69	Brain functional changes in patients with ulcerative colitis: a functional magnetic resonance imaging study on emotional processing. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, 1769-77	4.5	51
68	The effects of APOE on brain activity do not simply reflect the risk of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 618.e1-618.e13	5.6	44
67	Functional magnetic resonance imaging study reveals differences in the habituation to psychological stress in patients with Crohn's disease versus healthy controls. <i>Journal of Behavioral Medicine</i> , 2013 , 36, 477-87	3.6	40
66	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. <i>Frontiers in Neuroscience</i> , 2015 , 9, 395	5.1	37
65	Differences in integrity of white matter and changes with training in spelling impaired children: a diffusion tensor imaging study. <i>Brain Structure and Function</i> , 2012 , 217, 747-60	4	33
64	Lifetime hypertension as a predictor of brain structure in older adults: cohort study with a 28-year follow-up. <i>British Journal of Psychiatry</i> , 2015 , 206, 308-15	5.4	32
63	Regional atrophy of transcallosal prefrontal connections in cognitively normal APOE epsilon4 carriers. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1021-6	5.6	32
62	Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. <i>NeuroImage: Clinical</i> , 2015 , 8, 126-32	5.3	31
61	Age-related adaptations of brain function during a memory task are also present at rest. <i>NeuroImage</i> , 2012 , 59, 3821-8	7.9	31
60	Influence of serotonin receptor 2A His452Tyr polymorphism on brain temporal structures: a volumetric MR study. <i>European Journal of Human Genetics</i> , 2006 , 14, 443-9	5.3	31
59	Multimodal brain-age prediction and cardiovascular risk: The Whitehall II MRI sub-study. <i>NeuroImage</i> , 2020 , 222, 117292	7.9	31
58	Structural Connectivity Variances Underlie Functional and Behavioral Changes During Pain Relief Induced by Neuromodulation. <i>Scientific Reports</i> , 2017 , 7, 41603	4.9	30

57	Effective emotion regulation strategies improve fMRI and ECG markers of psychopathology in panic disorder: implications for psychological treatment action. <i>Translational Psychiatry</i> , 2015 , 5, e673	8.6	30
56	Peripheral DNA methylation, cognitive decline and brain aging: pilot findings from the Whitehall II imaging study. <i>Epigenomics</i> , 2018 , 10, 585-595	4.4	29
55	Functional connectivity changes and their relationship with clinical disability and white matter integrity in patients with relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 1681-1692	5.92	28
54	Association of Long-Term Diet Quality with Hippocampal Volume: Longitudinal Cohort Study. <i>American Journal of Medicine</i> , 2018 , 131, 1372-1381.e4	2.4	28
53	Brain structural and functional connectivity and the progression of neuropathology in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2013 , 33 Suppl 1, S163-72	4.3	26
52	Disrupted resting-state functional connectivity in progressive supranuclear palsy. <i>American Journal of Neuroradiology</i> , 2015 , 36, 915-21	4.4	22
51	Structural and functional imaging of the hippocampus in young people at familial risk of depression. <i>Psychological Medicine</i> , 2014 , 44, 2939-48	6.9	22
50	Prediction of brain age and cognitive age: Quantifying brain and cognitive maintenance in aging. <i>Human Brain Mapping</i> , 2021 , 42, 1626-1640	5.9	21
49	Sub-threshold depressive symptoms and brain structure: A magnetic resonance imaging study within the Whitehall II cohort. <i>Journal of Affective Disorders</i> , 2016 , 204, 219-25	6.6	20
48	Using structural and diffusion magnetic resonance imaging to differentiate the dementias. <i>Current Neurology and Neuroscience Reports</i> , 2014 , 14, 475	6.6	20
47	Effect of age and the APOE gene on metabolite concentrations in the posterior cingulate cortex. <i>NeuroImage</i> , 2017 , 152, 509-516	7.9	19
46	Reproducibility of Resting State Connectivity in Patients with Stable Multiple Sclerosis. <i>PLoS ONE</i> , 2016 , 11, e0152158	3.7	19
45	Quantitative FLAIR MRI in Amyotrophic Lateral Sclerosis. <i>Academic Radiology</i> , 2017 , 24, 1187-1194	4.3	18
44	Pronounced focal and diffuse brain damage predicts short-term disease evolution in patients with clinically isolated syndrome suggestive of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011 , 17, 1432-40 ⁵	4.05	17
43	Allostatic load as a predictor of grey matter volume and white matter integrity in old age: The Whitehall II MRI study. <i>Scientific Reports</i> , 2018 , 8, 6411	4.9	16
42	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. <i>Hippocampus</i> , 2013 , 23, 7-13	3.5	14
41	Reduced Resting-State Functional Connectivity in Current and Recovered Restrictive Anorexia Nervosa. <i>Frontiers in Psychiatry</i> , 2017 , 8, 30	5	13
40	Distinct resting-state functional connections associated with episodic and visuospatial memory in older adults. <i>NeuroImage</i> , 2017 , 159, 122-130	7.9	12

39	Impact of automated ICA-based denoising of fMRI data in acute stroke patients. <i>NeuroImage: Clinical</i> , 2017 , 16, 23-31	5.3	12
38	Genetic variation in GORM1 and prefrontal cortical volume in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 457-65	5.6	12
37	Sleep duration over 28 years, cognition, gray matter volume, and white matter microstructure: a prospective cohort study. <i>Sleep</i> , 2020 , 43,	1.1	12
36	Large-scale intrinsic connectivity is consistent across varying task demands. <i>PLoS ONE</i> , 2019 , 14, e0213861	5.7	11
35	Exploring variability in basal ganglia connectivity with functional MRI in healthy aging. <i>Brain Imaging and Behavior</i> , 2018 , 12, 1822-1827	4.1	10
34	Effects of seven-day diazepam administration on resting-state functional connectivity in healthy volunteers: a randomized, double-blind study. <i>Psychopharmacology</i> , 2015 , 232, 2139-47	4.7	8
33	Associations between arterial stiffening and brain structure, perfusion, and cognition in the Whitehall II Imaging Sub-study: A retrospective cohort study. <i>PLoS Medicine</i> , 2020 , 17, e1003467	11.6	8
32	Associations Between Longitudinal Trajectories of Cognitive and Social Activities and Brain Health in Old Age. <i>JAMA Network Open</i> , 2020 , 3, e2013793	10.4	8
31	Encoding-related brain activity and accelerated forgetting in transient epileptic amnesia. <i>Cortex</i> , 2019 , 110, 127-140	3.8	7
30	Impaired Functional Connectivity Unmasked by Simple Repetitive Motor Task in Early Relapsing-Remitting Multiple Sclerosis. <i>Neurorehabilitation and Neural Repair</i> , 2015 , 29, 557-65	4.7	7
29	Association of trajectories of depressive symptoms with vascular risk, cognitive function and adverse brain outcomes: The Whitehall II MRI sub-study. <i>Journal of Psychiatric Research</i> , 2020 , 131, 85-93 ^{5.2}	5.2	7
28	Subjective Cognitive Complaints Given in Questionnaire: Relationship With Brain Structure, Cognitive Performance and Self-Reported Depressive Symptoms in a 25-Year Retrospective Cohort Study. <i>American Journal of Geriatric Psychiatry</i> , 2021 , 29, 217-226	6.5	7
27	Predicting cognitive resilience from midlife lifestyle and multi-modal MRI: A 30-year prospective cohort study. <i>PLoS ONE</i> , 2019 , 14, e0211273	3.7	6
26	Resilience and MRI correlates of cognitive impairment in community-dwelling elders. <i>British Journal of Psychiatry</i> , 2015 , 207, 435-9	5.4	6
25	Multimodal brain-age prediction and cardiovascular risk: The Whitehall II MRI sub-study		6
24	Association of midlife stroke risk with structural brain integrity and memory performance at older ages: a longitudinal cohort study. <i>Brain Communications</i> , 2020 , 2, fcaa026	4.5	5
23	Multimodal MRI of grey matter, white matter, and functional connectivity in cognitively healthy mutation carriers at risk for frontotemporal dementia and Alzheimer's disease. <i>BMC Neurology</i> , 2019 , 19, 343	3.1	5
22	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge		4

21	Resting state functional connectivity patterns as biomarkers of treatment response to escitalopram in patients with major depressive disorder. <i>Psychopharmacology</i> , 2021 , 1	4.7	4
20	Other magnetic resonance imaging techniques. <i>International Psychogeriatrics</i> , 2011 , 23 Suppl 2, S50-7	3.4	3
19	Functional Connectivity between Task-Positive Networks and the Left Precuneus as a Biomarker of Response to Lamotrigine in Bipolar Depression: A Pilot Study. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	3
18	Dopaminergic modulation of regional cerebral blood flow: An arterial spin labelling study of genetic and pharmacological manipulation of COMT activity. <i>NeuroImage</i> , 2021 , 234, 117999	7.9	3
17	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. <i>NeuroImage</i> , 2021 , 237, 118189	7.9	3
16	Association of cerebral small vessel disease burden with brain structure and cognitive and vascular risk trajectories in mid-to-late life. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 271678X21104841	7.3	2
15	Do you? Neural and behavioural effects of the 5-HT receptor agonist, prucalopride, in a hippocampal-dependent memory task. <i>Translational Psychiatry</i> , 2021 , 11, 497	8.6	2
14	Adapting the UK Biobank Brain Imaging Protocol and Analysis Pipeline for the C-MORE Multi-Organ Study of COVID-19 Survivors. <i>Frontiers in Neurology</i> , 2021 , 12, 753284	4.1	2
13	Integrating large-scale neuroimaging research datasets: harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets		2
12	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. <i>NeuroImage: Clinical</i> , 2021 , 30, 102616	5.3	2
11	Neural effects of a single dose of fluoxetine on resting-state functional connectivity in adolescent depression. <i>Journal of Psychopharmacology</i> , 2020 , 34, 1461-1465	4.6	1
10	Quantitative and Functional Magnetic Resonance Imaging Techniques 2016 , 175-214		1
9	Accelerated aortic stiffness is associated with brain structure, perfusion and cognition in the Whitehall II Imaging Sub-study		1
8	Uncoupling protein 2 haplotype does not affect human brain structure and function in a sample of community-dwelling older adults. <i>PLoS ONE</i> , 2017 , 12, e0181392	3.7	0
7	Longitudinal aortic stiffness is associated with brain microstructure and cognition: A voxel-wise magnetic resonance imaging study. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041822	1.2	
6	Association of trajectories of depressive symptoms with vascular risk factors, cognitive function and adverse brain outcomes: A 28-year follow-up. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041823	1.2	
5	P.1.i.024 Effects of short-term diazepam administration on resting-state functional connectivity in healthy adults. <i>European Neuropsychopharmacology</i> , 2014 , 24, S311	1.2	
4	RESTING STATE FMRI DISCERNs EARLY PARKINSON FROM CONTROLS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, e4.118-e4	5.5	

- 3 Structural and functional imaging of the hippocampus in young people at familial risk of depression
CORRIGENDUM. *Psychological Medicine*, **2014**, 44, 2949-2949 6.9
- 2 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 1.2
- 1 F2-05-01: SLEEP DURATION OVER 28 YEARS AND GREY MATTER VOLUMES: A PROSPECTIVE
COHORT STUDY **2019**, 15, P522-P523