Ludovica Griffanti

List of Publications by Year
in descending order

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78	10,629	172457	88630
papers	citations	29 h-index	70 g-index

103	103	103	11601
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	4.3	9
2	Mapping brain structural differences and neuroreceptor correlates in Parkinsonâ€™s disease visual hallucinations. Nature Communications, 2022, 13, 519.	12.8	15
3	Adults with tetralogy of Fallot show specific features of cerebral small vessel disease: the BACH San Donato study. Brain Imaging and Behavior, 2022, 16, 1721-1731.	2.1	4
4	SARS-CoV-2 is associated with changes in brain structure in UK Biobank. Nature, 2022, 604, 697-707.	27.8	825
5	Omni-Supervised Domain Adversarial Training for White Matter Hyperintensity Segmentation in the UK Biobank. , 2022, , .		1
6	Identifying microstructural changes in diffusion MRI; How to circumvent parameter degeneracy. NeuroImage, 2022, 260, 119452.	4.2	1
7	Brain Tumour Segmentation Using aÂTriplanar Ensemble of U-Nets on MR Images. Lecture Notes in Computer Science, 2021, , 340-353.	1.3	12
8	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.	7.1	435
9	Study Protocol: The Heart and Brain Study. Frontiers in Physiology, 2021, 12, 643725.	2.8	2
10	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. NeuroImage, 2021, 237, 118189.	4.2	10
11	Triplanar ensemble U-Net model for white matter hyperintensities segmentation on MR images. Medical Image Analysis, 2021, 73, 102184.	11.6	29
12	Comparison of domain adaptation techniques for white matter hyperintensity segmentation in brain MR images. Medical Image Analysis, 2021, 74, 102215.	11.6	9
13	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. NeuroImage: Clinical, 2021, 30, 102616.	2.7	13
14	Prediction of brain age and cognitive age: Quantifying brain and cognitive maintenance in aging. Human Brain Mapping, 2021, 42, 1626-1640.	3.6	74
15	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.	2.4	16
16	White Matter Hyperintensities Quantification in Healthy Adults: A Systematic Review and Metaâ€Analysis. Journal of Magnetic Resonance Imaging, 2021, 53, 1732-1743.	3.4	12
17	Intrinsic network activity reflects the ongoing experience of chronic pain. Scientific Reports, 2021, 11, 21870.	3.3	5
18	Nigrosome 1 imaging in REM sleep behavior disorder and its association with dopaminergic decline. Annals of Clinical and Translational Neurology, 2020, 7, 26-35.	3.7	32

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19	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.	3.1	19
20	Multimodal brain-age prediction and cardiovascular risk: The Whitehall II MRI sub-study. NeuroImage, 2020, 222, 117292.	4.2	85
21	Association of midlife stroke risk with structural brain integrity and memory performance at older ages: a longitudinal cohort study. Brain Communications, 2020, 2, fcaa026.	3.3	9
22	Cohort profile: the Oxford Parkinsonâ€™s Disease Centre Discovery Cohort MRI substudy (OPDC-MRI). BMJ Open, 2020, 10, e034110.	1.9	11
23	Longitudinal aortic stiffness is associated with brain microstructure and cognition: A voxelâ€wise magnetic resonance imaging study. Alzheimer's and Dementia, 2020, 16, e041822.	0.8	0
24	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.	0.8	1
25	Classifying white matter hyperintensities according to intensity and spatial localisation reveals specific association with cognition. Alzheimer's and Dementia, 2020, 16, e042751.	0.8	0
26	The Oxford Brain Health Centre: Embedding dementia research in clinical practice. Alzheimer's and Dementia, 2020, 16, e044907.	0.8	0
27	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121.	2.0	71
28	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.	8.4	19
29	Automated lesion segmentation with BIANCA: Impact of population-level features, classification algorithm and locally adaptive thresholding. NeuroImage, 2019, 202, 116056.	4.2	32
30	ICA-based denoising for ASL perfusion imaging. NeuroImage, 2019, 200, 363-372.	4.2	14
31	Age-dependent association of white matter abnormality with cognition after TIA or minor stroke. Neurology, 2019, 93, e272-e282.	1.1	27
32	Longitudinal Brain Atrophy Rates in Transient Ischemic Attack and Minor Ischemic Stroke Patients and Cognitive Profiles. Frontiers in Neurology, 2019, 10, 18.	2.4	15
33	Modelling the distribution of white matter hyperintensities due to ageing on MRI images using Bayesian inference. NeuroImage, 2019, 185, 434-445.	4.2	9
34	Social Decision Making in Adolescents and Young Adults: Evidence From the Ultimatum Game and Cognitive Biases. Psychological Reports, 2019, 122, 135-154.	1.7	12
35	Can psychological labels influence the decision-making process in an unfair condition? Behavioral and neural evidences using the ultimatum game task.. Journal of Neuroscience, Psychology, and Economics, 2019, 12, 105-115.	1.0	1
36	Exploring variability in basal ganglia connectivity with functional MRI in healthy aging. Brain Imaging and Behavior, 2018, 12, 1822-1827.	2.1	16

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37	Cortical structural involvement and cognitive dysfunction in early Parkinson's disease. NMR in Biomedicine, 2018, 31, e3900.	2.8	8
38	Classification and characterization of periventricular and deep white matter hyperintensities on MRI: A study in older adults. NeuroImage, 2018, 170, 174-181.	4.2	191
39	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. NeuroImage, 2018, 166, 400-424.	4.2	1,026
40	Dysfunctional effort-based decision-making underlies apathy in genetic cerebral small vessel disease. Brain, 2018, 141, 3193-3210.	7.6	27
41	Apathy in rapid eye movement sleep behaviour disorder is associated with serotonin depletion in the dorsal raphe nucleus. Brain, 2018, 141, 2848-2854.	7.6	21
42	Association between gait and cognition in an elderly population based sample. Gait and Posture, 2018, 65, 240-245.	1.4	26
43	Association of Cardiovascular Risk Factors With MRI Indices of Cerebrovascular Structure and Function and White Matter Hyperintensities in Young Adults. JAMA - Journal of the American Medical Association, 2018, 320, 665.	7.4	105
44	Long-term cerebral white and gray matter changes after preeclampsia. Neurology, 2017, 88, 1256-1264.	1.1	77
45	White Matter Imaging Correlates of Early Cognitive Impairment Detected by the Montreal Cognitive Assessment After Transient Ischemic Attack and Minor Stroke. Stroke, 2017, 48, 1539-1547.	2.0	38
46	Hand classification of fMRI ICA noise components. NeuroImage, 2017, 154, 188-205.	4.2	428
47	Author response: Long-term cerebral white and gray matter changes after preeclampsia. Neurology, 2017, 89, 1309.3-1310.	1.1	1
48	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.	3.6	87
49	Impact of automated ICA-based denoising of fMRI data in acute stroke patients. NeuroImage: Clinical, 2017, 16, 23-31.	2.7	21
50	[P1â€“364]: WHITE MATTER HYPERINTENSITIES ARE NOT RELATED TO COGNITION IN OLDERâ€OLD PATIENTS. Alzheimer's and Dementia, 2017, 13, P398.	0.8	0
51	Donepezil Enhances Frontal Functional Connectivity in Alzheimer's Disease: A Pilot Study. Dementia and Geriatric Cognitive Disorders Extra, 2017, 6, 518-528.	1.3	17
52	BIANCA (Brain Intensity AbNormality Classification Algorithm): A new tool for automated segmentation of white matter hyperintensities. NeuroImage, 2016, 141, 191-205.	4.2	308
53	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. Nature Neuroscience, 2016, 19, 1523-1536.	14.8	1,414
54	Basal ganglia dysfunction in idiopathic REM sleep behaviour disorder parallels that in early Parkinsonâ€™s disease. Brain, 2016, 139, 2224-2234.	7.6	119

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55	Challenges in the reproducibility of clinical studies with resting state fMRI: An example in early Parkinson's disease. NeuroImage, 2016, 124, 704-713.	4.2	81
56	Iterative Dual LDA: A Novel Classification Algorithm for Resting State fMRI. Lecture Notes in Computer Science, 2016, , 279-286.	1.3	2
57	High-Dimensional ICA Analysis Detects Within-Network Functional Connectivity Damage of Default-Mode and Sensory-Motor Networks in AlzheimerÃ¢â‚¬â„¢s Disease. Frontiers in Human Neuroscience, 2015, 9, 43.	2.0	52
58	Effective artifact removal in resting state fMRI data improves detection of DMN functional connectivity alteration in Alzheimer's disease. Frontiers in Human Neuroscience, 2015, 9, 449.	2.0	61
59	Individual Thresholding of Voxel-based Functional Connectivity Maps. Methods of Information in Medicine, 2015, 54, 227-231.	1.2	3
60	Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. NeuroImage: Clinical, 2015, 8, 126-132.	2.7	45
61	NEUROIMAGING OF IDIOPATHIC REM SLEEP BEHAVIOR DISORDER. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.95-e4.	1.9	0
62	Multistimulation Group Therapy in Alzheimerâ€™s Disease Promotes Changes in Brain Functioning. Neurorehabilitation and Neural Repair, 2015, 29, 13-24.	2.9	37
63	Abnormal development of sensory-motor, visual temporal and parahippocampal cortex in children with learning disabilities and borderline intellectual functioning. Frontiers in Human Neuroscience, 2014, 8, 806.	2.0	31
64	Automatic denoising of functional MRI data: Combining independent component analysis and hierarchical fusion of classifiers. NeuroImage, 2014, 90, 449-468.	4.2	1,580
65	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. NeuroImage, 2014, 95, 232-247.	4.2	1,148
66	Study protocol: the Whitehall II imaging sub-study. BMC Psychiatry, 2014, 14, 159.	2.6	82
67	Possible Association between SNAP-25 Single Nucleotide Polymorphisms and Alterations of Categorical Fluency and Functional MRI Parameters in Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, 1015-1028.	2.6	31
68	A Novel Approach of Groupwise fMRI-Guided Tractography Allowing to Characterize the Clinical Evolution of Alzheimer's Disease. PLoS ONE, 2014, 9, e92026.	2.5	15
69	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	4.2	1,367
70	Commentary on â€œAltered and asymmetric default mode network activity in a â€œhypnotic virtuosoâ€• An fMRI and EEG studyâ€•â€“ Reply. Consciousness and Cognition, 2013, 22, 385-387.	1.5	0
71	Long-Standing Balancing Selection in theTHBS4Gene: Influence on Sex-Specific Brain Expression and Gray Matter Volumes in Alzheimer Disease. Human Mutation, 2013, 34, 743-753.	2.5	7
72	Neuroinflammation and Brain Functional Disconnection in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2013, 5, 81.	3.4	25

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73	Theory of Mind in Amnestic Mild Cognitive Impairment: An fMRI Study. Journal of Alzheimer's Disease, 2012, 29, 25-37.	2.6	78
74	A novel approach of fMRI-guided tractography analysis within a group: Construction of an fMRI-guided tractographic atlas. , 2012, 2012, 2283-6.		3
75	Altered and asymmetric default mode network activity in a â€œhypnotic virtuosoâ€: An fMRI and EEG study. Consciousness and Cognition, 2012, 21, 393-400.	1.5	35
76	Assessing Corpus Callosum Changes in Alzheimer's Disease: Comparison between Tract-Based Spatial Statistics and Atlas-Based Tractography. PLoS ONE, 2012, 7, e35856.	2.5	43
77	Signal-to-noise ratio of diffusion weighted magnetic resonance imaging: Estimation methods and in vivo application to spinal cord. Biomedical Signal Processing and Control, 2012, 7, 285-294.	5.7	10
78	Comparison between skeleton-based and atlas-based approach in the assessment of corpus callosum damages in Mild Cognitive Impairment and Alzheimer Disease. , 2011, 2011, 7808-11.		8