## Clare E Mackay

List of Publications by Year in descending order

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30070 12272 26,249 139 54 133 citations h-index g-index papers 150 150 150 28436 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. Neurolmage, 2006, 31, 1487-1505.	4.2	5,755
2	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.	7.1	4,636
3	Toward discovery science of human brain function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4734-4739.	7.1	2,703
4	Distinct patterns of brain activity in young carriers of the <i>APOE</i> -Î $\mu$ 4 allele. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7209-7214.	7.1	1,524
5	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. Neurolmage, 2014, 95, 232-247.	4.2	1,148
6	Regional Deficits in Brain Volume in Schizophrenia: A Meta-Analysis of Voxel-Based Morphometry Studies. American Journal of Psychiatry, 2005, 162, 2233-2245.	7.2	1,082
7	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
8	Antidepressant Drug Treatment Modifies the Neural Processing of Nonconscious Threat Cues. Biological Psychiatry, 2006, 59, 816-820.	1.3	411
9	Subcortical volumetric abnormalities in bipolar disorder. Molecular Psychiatry, 2016, 21, 1710-1716.	7.9	400
10	Distinct portions of anterior cingulate cortex and medial prefrontal cortex are activated by reward processing in separable phases of decision-making cognition. Biological Psychiatry, 2004, 55, 594-602.	1.3	365
11	A meta-analysis of diffusion tensor imaging in mild cognitive impairment and Alzheimer's disease. Neurobiology of Aging, 2011, 32, 2322.e5-2322.e18.	3.1	281
12	Moderate alcohol consumption as risk factor for adverse brain outcomes and cognitive decline: longitudinal cohort study. BMJ: British Medical Journal, 2017, 357, j2353.	2.3	279
13	A Systematic Review of Diffusion Tensor Imaging Studies in Affective Disorders. Biological Psychiatry, 2009, 66, 814-823.	1.3	250
14	Between session reproducibility and between subject variability of diffusion MR and tractography measures. Neurolmage, 2006, 33, 867-877.	4.2	245
15	Classification and characterization of periventricular and deep white matter hyperintensities on MRI: A study in older adults. Neurolmage, 2018, 170, 174-181.	4.2	191
16	Connectivity-based parcellation of human cortex using diffusion MRI: Establishing reproducibility, validity and observer independence in BA 44/45 and SMA/pre-SMA. Neurolmage, 2007, 34, 204-211.	4.2	182
17	The neural basis of flashback formation: the impact of viewing trauma. Psychological Medicine, 2013, 43, 1521-1532.	4.5	173
18	Voxel-Based Morphometric Comparison of Hippocampal and Extrahippocampal Abnormalities in Patients with Left and Right Hippocampal Atrophy. Neurolmage, 2002, 16, 23-31.	4.2	172

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19	A Systematic Review and Meta-Analysis of Magnetic Resonance Imaging Studies in Late-Life Depression. American Journal of Geriatric Psychiatry, 2013, 21, 184-195.	1.2	171
20	Differential effects of the APOE genotype on brain function across the lifespan. NeuroImage, 2011, 54, 602-610.	4.2	168
21	Topography of connections between human prefrontal cortex and mediodorsal thalamus studied with diffusion tractography. Neurolmage, 2010, 51, 555-564.	4.2	165
22	Functional connectivity in the basal ganglia network differentiates PD patients from controls. Neurology, 2014, 83, 208-214.	1.1	159
23	The forgotten APOE allele: A review of the evidence and suggested mechanisms for the protective effect of APOE É>2. Neuroscience and Biobehavioral Reviews, 2013, 37, 2878-2886.	6.1	157
24	Corpus callosum damage in heavy marijuana use: Preliminary evidence from diffusion tensor tractography and tract-based spatial statistics. Neurolmage, 2008, 41, 1067-1074.	4.2	154
25	The APOE É 4 allele modulates brain white matter integrity in healthy adults. Molecular Psychiatry, 2011, 16, 908-916.	7.9	147
26	Schizophrenia delays and alters maturation of the brain in adolescence. Brain, 2009, 132, 2437-2448.	7.6	139
27	Differential Tangential Expansion as a Mechanism for Cortical Gyrification. Cerebral Cortex, 2014, 24, 2219-2228.	2.9	136
28	APOE genotype and cognition in healthy individuals at risk of Alzheimer's disease: AÂreview. Cortex, 2018, 104, 103-123.	2.4	135
29	The effects of APOE on the functional architecture of the resting brain. Neurolmage, 2012, 59, 565-572.	4.2	130
30	Hippocampal volume across age: Nomograms derived from over 19,700 people in UK Biobank. Neurolmage: Clinical, 2019, 23, 101904.	2.7	130
31	White Matter Pathway Asymmetry Underlies Functional Lateralization. Cerebral Cortex, 2006, 17, 591-598.	2.9	124
32	Predictors of cognitive impairment in an early stage Parkinson's disease cohort. Movement Disorders, 2014, 29, 351-359.	3.9	124
33	Comparison of MR imaging against physical sectioning to estimate the volume of human cerebral compartments. NeuroImage, 2003, 18, 505-516.	4.2	121
34	Basal ganglia dysfunction in idiopathic REM sleep behaviour disorder parallels that in early Parkinson's disease. Brain, 2016, 139, 2224-2234.	7.6	119
35	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 2010, 63, 641-647.	3.0	109
36	MRI correlates of episodic memory in Alzheimer's disease, mild cognitive impairment, and healthy aging. Psychiatry Research - Neuroimaging, 2010, 184, 57-62.	1.8	106

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37	Automatic analysis of cerebral asymmetry: an exploratory study of the relationship between brain torque and planum temporale asymmetry. Neurolmage, 2005, 24, 678-691.	4.2	100
38	Short-term antidepressant treatment and facial processing. British Journal of Psychiatry, 2007, 190, 531-532.	2.8	99
39	Magnetic Resonance Imaging in Late-Life Depression. Archives of General Psychiatry, 2012, 69, 680-9.	12.3	88
40	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
41	Exploring the pattern and neural correlates of neuropsychological impairment in late-life depression. Psychological Medicine, 2012, 42, 1195-1202.	4.5	85
42	Comprehensive morphometry of subcortical grey matter structures in earlyâ€stage Parkinson's disease. Human Brain Mapping, 2014, 35, 1681-1690.	3.6	84
43	Reduced cerebrovascular reactivity in young adults carrying the <i>APOE</i> ε4 allele. Alzheimer's and Dementia, 2015, 11, 648.	0.8	84
44	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. Cortex, 2013, 49, 668-678.	2.4	83
45	Study protocol: the Whitehall II imaging sub-study. BMC Psychiatry, 2014, 14, 159.	2.6	82
46	The effects of APOE-ε4 on the BOLD response. Neurobiology of Aging, 2012, 33, 323-334.	3.1	81
47	Challenges in the reproducibility of clinical studies with resting state fMRI: An example in early Parkinson's disease. Neurolmage, 2016, 124, 704-713.	4.2	81
48	Apolipoprotein E genotype, gender and age modulate connectivity of the hippocampus in healthy adults. Neurolmage, 2014, 98, 23-30.	4.2	80
49	Brain volume, asymmetry and intellectual impairment in relation to sex in early-onset schizophrenia. British Journal of Psychiatry, 2003, 183, 114-120.	2.8	77
50	Neuroimaging in pre-motor Parkinson's disease. Neurolmage: Clinical, 2017, 15, 215-227.	2.7	71
51	PET Tau and Amyloid-β Burden in Mild Alzheimer's Disease: Divergent Relationship with Age, Cognition, and Cerebrospinal Fluid Biomarkers. Journal of Alzheimer's Disease, 2017, 60, 283-293.	2.6	67
52	The effects of reboxetine on emotional processing in healthy volunteers: an fMRI study. Molecular Psychiatry, 2008, 13, 1011-1020.	7.9	62
53	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. Frontiers in Neuroscience, 2015, 9, 395.	2.8	61
54	Quantitative magnetic resonance imaging in consecutive patients evaluated for surgical treatment of temporal lobe epilepsy. Magnetic Resonance Imaging, 2000, 18, 1187-1199.	1.8	59

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55	Resting Functional Connectivity Reveals Residual Functional Activity in Alzheimer's Disease. Biological Psychiatry, 2013, 74, 375-383.	1.3	59
56	International Multicenter Analysis of Brain Structure Across Clinical Stages of Parkinson's Disease. Movement Disorders, 2021, 36, 2583-2594.	3.9	54
57	Catechol-O-methyltransferase (COMT) influences the connectivity of the prefrontal cortex at rest. Neurolmage, 2013, 68, 49-54.	4.2	52
58	Increased temporoâ€insular engagement in unmedicated bipolar II disorder: an exploratory resting state study using independent component analysis. Bipolar Disorders, 2014, 16, 748-755.	1.9	50
59	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.	3.1	48
60	Consistency and interpretation of changes in millimeter-scale cortical intrinsic curvature across three independent datasets in schizophrenia. Neurolmage, 2012, 63, 611-621.	4.2	46
61	Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. Neurolmage: Clinical, 2015, 8, 126-132.	2.7	45
62	The Dementias Platform UK (DPUK) Data Portal. European Journal of Epidemiology, 2020, 35, 601-611.	5.7	45
63	Magnetic resonance imaging in late-life depression: vascular and glucocorticoid cascade hypotheses. British Journal of Psychiatry, 2012, 201, 46-51.	2.8	44
64	Associations between Mobility, Cognition, and Brain Structure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 155.	3.4	44
65	Power calculations for multicenter imaging studies controlled by the false discovery rate. Human Brain Mapping, 2010, 31, 1183-1195.	3.6	43
66	Intrusive memories to traumatic footage: the neural basis of their encoding and involuntary recall. Psychological Medicine, 2016, 46, 505-518.	4.5	43
67	Association between precuneus volume and autobiographical memory impairment in posterior cortical atrophy: Beyond the visual syndrome. NeuroImage: Clinical, 2018, 18, 822-834.	2.7	43
68	Gait in Mild Alzheimer's Disease: Feasibility of Multi-Center Measurement in the Clinic and Home with Body-Worn Sensors: A Pilot Study. Journal of Alzheimer's Disease, 2018, 63, 331-341.	2.6	42
69	An Exploratory Study of the Relationship between Face Recognition Memory and the Volume of Medial Temporal Lobe Structures in Healthy Young Males. Behavioural Neurology, 1998, 11, 3-20.	2.1	41
70	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.	2.8	40
71	Low emotional response to traumatic footage is associated with an absence of analogue flashbacks: An individual participant data meta-analysis of 16 trauma film paradigm experiments. Cognition and Emotion, 2015, 29, 702-713.	2.0	38
72	Age-related adaptations of brain function during a memory task are also present at rest. NeuroImage, 2012, 59, 3821-3828.	4.2	37

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73	The influence of sex chromosome aneuploidy on brain asymmetry. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2009, 150B, 74-85.	1.7	36
74	Visual short-term memory deficits in REM sleep behaviour disorder mirror those in Parkinson's disease. Brain, 2016, 139, 47-53.	7.6	36
75	Effect of age and the APOE gene on metabolite concentrations in the posterior cingulate cortex. Neurolmage, 2017, 152, 509-516.	4.2	36
76	Association of Midlife Cardiovascular Risk Profiles With Cerebral Perfusion at Older Ages. JAMA Network Open, 2019, 2, e195776.	5.9	36
77	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. NeuroImage, 2012, 60, 189-203.	4.2	34
78	Structural and functional imaging of the hippocampus in young people at familial risk of depression. Psychological Medicine, 2014, 44, 2939-2948.	4.5	33
79	Mental Imagery and Post-Traumatic Stress Disorder: A Neuroimaging and Experimental Psychopathology Approach to Intrusive Memories of Trauma. Frontiers in Psychiatry, 2015, 6, 104.	2.6	33
80	Application of a new image analysis technique to study brain asymmetry in schizophrenia. Psychiatry Research - Neuroimaging, 2003, 124, 25-35.	1.8	32
81	Dichotic listening impairments in early onset schizophrenia are associated with reduced left temporal lobe volume. Schizophrenia Research, 2009, 112, 24-31.	2.0	32
82	Hippocampal network abnormalities explain amnesia after VGKCC-Ab related autoimmune limbic encephalitis. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 965-974.	1.9	32
83	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
84	The Multisensory Attentional Consequences of Tool Use: A Functional Magnetic Resonance Imaging Study. PLoS ONE, 2008, 3, e3502.	2.5	31
85	Using Structural and Diffusion Magnetic Resonance Imaging To Differentiate the Dementias. Current Neurology and Neuroscience Reports, 2014, 14, 475.	4.2	31
86	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.	3.3	31
87	Gestalt perception and the decline of global precedence in older subjects. Cortex, 2011, 47, 854-862.	2.4	30
88	The neuro/PsyGRID calibration experiment. Human Brain Mapping, 2012, 33, 373-386.	3.6	30
89	Crossed cerebral lateralization for verbal and visuoâ€spatial function in a pair of handedness discordant monozygotic twins: MRI and fMRI brain imaging. Journal of Anatomy, 2008, 212, 235-248.	1.5	29
90	The True Colours Remote Symptom Monitoring System: A Decade of Evolution. Journal of Medical Internet Research, 2020, 22, e15188.	4.3	29

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91	Sex dependence of brain size and shape in bipolar disorder: an exploratory study. Bipolar Disorders, 2010, 12, 306-311.	1.9	28
92	First steps in using machine learning on fMRI data to predict intrusive memories of traumatic film footage. Behaviour Research and Therapy, 2014, 62, 37-46.	3.1	28
93	Paracingulate sulcus asymmetry; Sex difference, correlation with semantic fluency and change over time in adolescent onset psychosis. Psychiatry Research - Neuroimaging, 2010, 184, 10-15.	1.8	26
94	Does the Framingham Stroke Risk Profile predict white-matter changes in late-life depression?. International Psychogeriatrics, 2012, 24, 524-531.	1.0	26
95	White matter alterations in antipsychotic- and mood stabilizer-na $\tilde{A}$ -ve individuals with bipolar II/NOS disorder. NeuroImage: Clinical, 2013, 3, 271-278.	2.7	26
96	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.	4.1	26
97	Lateral parietal contributions to memory impairment in posterior cortical atrophy. Neurolmage: Clinical, 2018, 20, 252-259.	2.7	25
98	Bilateral Generic Working Memory Circuit Requires Left-Lateralized Addition for Verbal Processing. Cerebral Cortex, 2008, 18, 1421-1428.	2.9	24
99	Asymmetry loss is local rather than global in adolescent onset schizophrenia. Schizophrenia Research, 2010, 120, 84-86.	2.0	24
100	Positive involuntary autobiographical memories: You first have to live them. Consciousness and Cognition, 2013, 22, 402-406.	1.5	23
101	Structural brain correlates of interpersonal violence: Systematic review and voxel-based meta-analysis of neuroimaging studies. Psychiatry Research - Neuroimaging, 2017, 267, 69-73.	1.8	23
102	Distinct resting-state functional connections associated with episodic and visuospatial memory in older adults. NeuroImage, 2017, 159, 122-130.	4.2	22
103	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
104	Using MRI to measure drug action: caveats and new directions. Journal of Psychopharmacology, 2011, 25, 1168-1174.	4.0	19
105	Dissociable effects of the apolipoprotein-E (APOE) gene on short- and long-term memories. Neurobiology of Aging, 2019, 73, 115-122.	3.1	19
106	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
107	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
108	Deep and Frequent Phenotyping study protocol: an observational study in prodromal Alzheimer's disease. BMJ Open, 2019, 9, e024498.	1.9	18

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109	Assessment of the impact of the scanner-related factors on brain morphometry analysis with Brainvisa. BMC Medical Imaging, 2011, 11, 23.	2.7	17
110	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
111	Exploring variability in basal ganglia connectivity with functional MRI in healthy aging. Brain Imaging and Behavior, 2018, 12, 1822-1827.	2.1	16
112	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
113	Mapping brain structural differences and neuroreceptor correlates in Parkinson's disease visual hallucinations. Nature Communications, 2022, 13, 519.	12.8	15
114	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.	1.2	14
115	Pituitary gland volumes in bipolar disorder. Journal of Affective Disorders, 2014, 169, 197-202.	4.1	13
116	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. NeuroImage, 2017, 153, 399-409.	4.2	13
117	Associations Between Longitudinal Trajectories of Cognitive and Social Activities and Brain Health in Old Age. JAMA Network Open, 2020, 3, e2013793.	5.9	13
118	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. NeuroImage: Clinical, 2021, 30, 102616.	2.7	13
119	Associations of cognitive performance with cardiovascular magnetic resonance phenotypes in the UK Biobank. European Heart Journal Cardiovascular Imaging, 2022, 23, 663-672.	1.2	12
120	Inter- and intra-individual variation in brain structural-cognition relationships in aging. NeuroImage, 2022, 257, 119254.	4.2	12
121	Cohort profile: the Oxford Parkinson's Disease Centre Discovery Cohort MRI substudy (OPDC-MRI). BMJ Open, 2020, 10, e034110.	1.9	11
122	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.	1.8	10
123	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
124	Predicting cognitive resilience from midlife lifestyle and multi-modal MRI: A 30-year prospective cohort study. PLoS ONE, 2019, 14, e0211273.	2.5	9
125	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
126	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

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127	White matter integrity within the corpus callosum differentiates lateâ€ife bipolar and unipolar depression. Bipolar Disorders, 2012, 14, 790-791.	1.9	8
128	Resilience and MRI correlates of cognitive impairment in community-dwelling elders. British Journal of Psychiatry, 2015, 207, 435-439.	2.8	8
129	A Systematic Review and Meta-Analysis of Magnetic Resonance Imaging Studies in Late-Life Depression. American Journal of Geriatric Psychiatry, 2012, , 1.	1.2	6
130	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.	2.5	4
131	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD. , 2014, , .		3
132	Superior short-term memory in APOE $\hat{l}\mu 2$ carriers across the age range. Behavioural Brain Research, 2021, 397, 112918.	2.2	2
133	Study Protocol: The Heart and Brain Study. Frontiers in Physiology, 2021, 12, 643725.	2.8	2
134	Exploring the public health potential of RED January, a social media campaign supporting physical activity in the community for mental health: A qualitative study. Mental Health and Physical Activity, 2021, 21, 100429.	1.8	2
135	Iterative Dual LDA: A Novel Classification Algorithm for Resting State fMRI. Lecture Notes in Computer Science, 2016, , 279-286.	1.3	2
136	FEATURES IN IDIOPATHIC RBD MIRROR THOSE OBSERVED IN PD. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.94-e4.	1.9	0
137	NEUROIMAGING OF IDIOPATHIC REM SLEEP BEHAVIOR DISORDER. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.95-e4.	1.9	O
138	Better together for better dementia research and care. Lancet Psychiatry, the, 2016, 3, 503-504.	7.4	0
139	[FTS4–01–03]: DPUK IMAGING PORTAL. Alzheimer's and Dementia, 2017, 13, P1223.	0.8	O