Clare E Mackay

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Mapping brain structural differences and neuroreceptor correlates in Parkinson's disease visual hallucinations. Nature Communications, 2022, 13, 519.	12.8	15
4	Inter- and intra-individual variation in brain structural-cognition relationships in aging. Neurolmage, 2022, 257, 119254.	4.2	12
5	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
6	Superior short-term memory in APOE $\hat{l}\mu 2$ carriers across the age range. Behavioural Brain Research, 2021, 397, 112918.	2.2	2
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	Study Protocol: The Heart and Brain Study. Frontiers in Physiology, 2021, 12, 643725.	2.8	2
9	International Multicenter Analysis of Brain Structure Across Clinical Stages of Parkinson's Disease. Movement Disorders, 2021, 36, 2583-2594.	3.9	54
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	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. Neurolmage: Clinical, 2021, 30, 102616.	2.7	13
12	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
13	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
14	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
15	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
16	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
17	Cohort profile: the Oxford Parkinson's Disease Centre Discovery Cohort MRI substudy (OPDC-MRI). BMJ Open, 2020, 10, e034110.	1.9	11
18	Associations Between Longitudinal Trajectories of Cognitive and Social Activities and Brain Health in Old Age. JAMA Network Open, 2020, 3, e2013793.	5.9	13

#	Article	IF	Citations
19	The Dementias Platform UK (DPUK) Data Portal. European Journal of Epidemiology, 2020, 35, 601-611.	5.7	45
20	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
21	The True Colours Remote Symptom Monitoring System: A Decade of Evolution. Journal of Medical Internet Research, 2020, 22, e15188.	4.3	29
22	Hippocampal volume across age: Nomograms derived from over 19,700 people in UK Biobank. NeuroImage: Clinical, 2019, 23, 101904.	2.7	130
23	Association of Midlife Cardiovascular Risk Profiles With Cerebral Perfusion at Older Ages. JAMA Network Open, 2019, 2, e195776.	5.9	36
24	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
25	Deep and Frequent Phenotyping study protocol: an observational study in prodromal Alzheimer's disease. BMJ Open, 2019, 9, e024498.	1.9	18
26	Predicting cognitive resilience from midlife lifestyle and multi-modal MRI: A 30-year prospective cohort study. PLoS ONE, 2019, 14, e0211273.	2.5	9
27	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
28	Dissociable effects of the apolipoprotein-E (APOE) gene on short- and long-term memories. Neurobiology of Aging, 2019, 73, 115-122.	3.1	19
29	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
30	APOE genotype and cognition in healthy individuals at risk of Alzheimer's disease: AÂreview. Cortex, 2018, 104, 103-123.	2.4	135
31	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
32	Exploring variability in basal ganglia connectivity with functional MRI in healthy aging. Brain Imaging and Behavior, 2018, 12, 1822-1827.	2.1	16
33	Association between precuneus volume and autobiographical memory impairment in posterior cortical atrophy: Beyond the visual syndrome. Neurolmage: Clinical, 2018, 18, 822-834.	2.7	43
34	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
35	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
36	Lateral parietal contributions to memory impairment in posterior cortical atrophy. Neurolmage: Clinical, 2018, 20, 252-259.	2.7	25

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37	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. Neurolmage, 2017, 153, 399-409.	4.2	13
38	Neuroimaging in pre-motor Parkinson's disease. NeuroImage: Clinical, 2017, 15, 215-227.	2.7	71
39	Effect of age and the APOE gene on metabolite concentrations in the posterior cingulate cortex. Neurolmage, 2017, 152, 509-516.	4.2	36
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	Distinct resting-state functional connections associated with episodic and visuospatial memory in older adults. Neurolmage, 2017, 159, 122-130.	4.2	22
42	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
43	[FTS4–01–03]: DPUK IMAGING PORTAL. Alzheimer's and Dementia, 2017, 13, P1223.	0.8	0
44	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
45	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
46	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
47	Associations between Mobility, Cognition, and Brain Structure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 155.	3.4	44
48	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
49	Better together for better dementia research and care. Lancet Psychiatry, the, 2016, 3, 503-504.	7.4	0
50	Intrusive memories to traumatic footage: the neural basis of their encoding and involuntary recall. Psychological Medicine, 2016, 46, 505-518.	4.5	43
51	Basal ganglia dysfunction in idiopathic REM sleep behaviour disorder parallels that in early Parkinson's disease. Brain, 2016, 139, 2224-2234.	7.6	119
52	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
53	Visual short-term memory deficits in REM sleep behaviour disorder mirror those in Parkinson's disease. Brain, 2016, 139, 47-53.	7.6	36
54	Subcortical volumetric abnormalities in bipolar disorder. Molecular Psychiatry, 2016, 21, 1710-1716.	7.9	400

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55	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
56	Iterative Dual LDA: A Novel Classification Algorithm for Resting State fMRI. Lecture Notes in Computer Science, 2016, , 279-286.	1.3	2
57	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. Frontiers in Neuroscience, 2015, 9, 395.	2.8	61
58	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
59	Resilience and MRI correlates of cognitive impairment in community-dwelling elders. British Journal of Psychiatry, 2015, 207, 435-439.	2.8	8
60	Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. Neurolmage: Clinical, 2015, 8, 126-132.	2.7	45
61	FEATURES IN IDIOPATHIC RBD MIRROR THOSE OBSERVED IN PD. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.94-e4.	1.9	0
62	NEUROIMAGING OF IDIOPATHIC REM SLEEP BEHAVIOR DISORDER. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.95-e4.	1.9	0
63	Reduced cerebrovascular reactivity in young adults carrying the <i>APOE</i> $\hat{l}\mu4$ allele. Alzheimer's and Dementia, 2015, 11, 648.	0.8	84
64	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
65	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
66	Pituitary gland volumes in bipolar disorder. Journal of Affective Disorders, 2014, 169, 197-202.	4.1	13
67	Structural and functional imaging of the hippocampus in young people at familial risk of depression. Psychological Medicine, 2014, 44, 2939-2948.	4.5	33
68	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD. , 2014, , .		3
69	Differential Tangential Expansion as a Mechanism for Cortical Gyrification. Cerebral Cortex, 2014, 24, 2219-2228.	2.9	136
70	Functional connectivity in the basal ganglia network differentiates PD patients from controls. Neurology, 2014, 83, 208-214.	1.1	159
71	Predictors of cognitive impairment in an early stage Parkinson's disease cohort. Movement Disorders, 2014, 29, 351-359.	3.9	124
72	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

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73	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
74	Comprehensive morphometry of subcortical grey matter structures in earlyâ€stage Parkinson's disease. Human Brain Mapping, 2014, 35, 1681-1690.	3.6	84
75	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. Neurolmage, 2014, 95, 232-247.	4.2	1,148
76	Using Structural and Diffusion Magnetic Resonance Imaging To Differentiate the Dementias. Current Neurology and Neuroscience Reports, 2014, 14, 475.	4.2	31
77	Study protocol: the Whitehall II imaging sub-study. BMC Psychiatry, 2014, 14, 159.	2.6	82
78	Apolipoprotein E genotype, gender and age modulate connectivity of the hippocampus in healthy adults. Neurolmage, 2014, 98, 23-30.	4.2	80
79	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
80	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
81	Positive involuntary autobiographical memories: You first have to live them. Consciousness and Cognition, 2013, 22, 402-406.	1.5	23
82	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
83	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. Cortex, 2013, 49, 668-678.	2.4	83
84	Resting Functional Connectivity Reveals Residual Functional Activity in Alzheimer's Disease. Biological Psychiatry, 2013, 74, 375-383.	1.3	59
85	Catechol-O-methyltransferase (COMT) influences the connectivity of the prefrontal cortex at rest. Neurolmage, 2013, 68, 49-54.	4.2	52
86	The neural basis of flashback formation: the impact of viewing trauma. Psychological Medicine, 2013, 43, 1521-1532.	4.5	173
87	Magnetic Resonance Imaging in Late-Life Depression. Archives of General Psychiatry, 2012, 69, 680-9.	12.3	88
88	Exploring the pattern and neural correlates of neuropsychological impairment in late-life depression. Psychological Medicine, 2012, 42, 1195-1202.	4.5	85
89	Magnetic resonance imaging in late-life depression: vascular and glucocorticoid cascade hypotheses. British Journal of Psychiatry, 2012, 201, 46-51.	2.8	44
90	Does the Framingham Stroke Risk Profile predict white-matter changes in late-life depression?. International Psychogeriatrics, 2012, 24, 524-531.	1.0	26

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91	White matter integrity within the corpus callosum differentiates lateâ€life bipolar and unipolar depression. Bipolar Disorders, 2012, 14, 790-791.	1.9	8
92	The effects of APOE-ε4 on the BOLD response. Neurobiology of Aging, 2012, 33, 323-334.	3.1	81
93	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
94	The effects of APOE on the functional architecture of the resting brain. NeuroImage, 2012, 59, 565-572.	4.2	130
95	Age-related adaptations of brain function during a memory task are also present at rest. Neurolmage, 2012, 59, 3821-3828.	4.2	37
96	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. NeuroImage, 2012, 60, 189-203.	4.2	34
97	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
98	The neuro/PsyGRID calibration experiment. Human Brain Mapping, 2012, 33, 373-386.	3.6	30
99	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
100	Using MRI to measure drug action: caveats and new directions. Journal of Psychopharmacology, 2011, 25, 1168-1174.	4.0	19
101	Differential effects of the APOE genotype on brain function across the lifespan. Neurolmage, 2011, 54, 602-610.	4.2	168
102	Gestalt perception and the decline of global precedence in older subjects. Cortex, 2011, 47, 854-862.	2.4	30
103	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
104	The APOE $\acute{\rm E}$ >4 allele modulates brain white matter integrity in healthy adults. Molecular Psychiatry, 2011, 16, 908-916.	7.9	147
105	Assessment of the impact of the scanner-related factors on brain morphometry analysis with Brainvisa. BMC Medical Imaging, 2011, 11, 23.	2.7	17
106	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
107	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
108	Power calculations for multicenter imaging studies controlled by the false discovery rate. Human Brain Mapping, 2010, 31, 1183-1195.	3.6	43

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109	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
110	Sex dependence of brain size and shape in bipolar disorder: an exploratory study. Bipolar Disorders, 2010, 12, 306-311.	1.9	28
111	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
112	Asymmetry loss is local rather than global in adolescent onset schizophrenia. Schizophrenia Research, 2010, 120, 84-86.	2.0	24
113	Topography of connections between human prefrontal cortex and mediodorsal thalamus studied with diffusion tractography. Neurolmage, 2010, 51, 555-564.	4.2	165
114	Schizophrenia delays and alters maturation of the brain in adolescence. Brain, 2009, 132, 2437-2448.	7.6	139
115	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
116	A Systematic Review of Diffusion Tensor Imaging Studies in Affective Disorders. Biological Psychiatry, 2009, 66, 814-823.	1.3	250
117	Dichotic listening impairments in early onset schizophrenia are associated with reduced left temporal lobe volume. Schizophrenia Research, 2009, 112, 24-31.	2.0	32
118	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
119	Distinct patterns of brain activity in young carriers of the <i>APOE</i> li>-ε4 allele. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7209-7214.	7.1	1,524
120	The effects of reboxetine on emotional processing in healthy volunteers: an fMRI study. Molecular Psychiatry, 2008, 13, 1011-1020.	7.9	62
121	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
122	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
123	Bilateral Generic Working Memory Circuit Requires Left-Lateralized Addition for Verbal Processing. Cerebral Cortex, 2008, 18, 1421-1428.	2.9	24
124	The Multisensory Attentional Consequences of Tool Use: A Functional Magnetic Resonance Imaging Study. PLoS ONE, 2008, 3, e3502.	2.5	31
125	Short-term antidepressant treatment and facial processing. British Journal of Psychiatry, 2007, 190, 531-532.	2.8	99
126	Connectivity-based parcellation of human cortex using diffusion MRI: Establishing reproducibility, validity and observer independence in BA 44/45 and SMA/pre-SMA. NeuroImage, 2007, 34, 204-211.	4.2	182

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127	White Matter Pathway Asymmetry Underlies Functional Lateralization. Cerebral Cortex, 2006, 17, 591-598.	2.9	124
128	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. NeuroImage, 2006, 31, 1487-1505.	4.2	5,755
129	Between session reproducibility and between subject variability of diffusion MR and tractography measures. Neurolmage, 2006, 33, 867-877.	4.2	245
130	Antidepressant Drug Treatment Modifies the Neural Processing of Nonconscious Threat Cues. Biological Psychiatry, 2006, 59, 816-820.	1.3	411
131	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
132	Automatic analysis of cerebral asymmetry: an exploratory study of the relationship between brain torque and planum temporale asymmetry. NeuroImage, 2005, 24, 678-691.	4.2	100
133	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
134	Application of a new image analysis technique to study brain asymmetry in schizophrenia. Psychiatry Research - Neuroimaging, 2003, 124, 25-35.	1.8	32
135	Comparison of MR imaging against physical sectioning to estimate the volume of human cerebral compartments. Neurolmage, 2003, 18, 505-516.	4.2	121
136	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
137	Voxel-Based Morphometric Comparison of Hippocampal and Extrahippocampal Abnormalities in Patients with Left and Right Hippocampal Atrophy. NeuroImage, 2002, 16, 23-31.	4.2	172
138	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
139	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