

# Louise Emsell

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

3,702  
citations

159358

30  
h-index

143772

57  
g-index

94  
all docs

94  
docs citations

94  
times ranked

6690  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	1.1	696
2	Subcortical volumetric abnormalities in bipolar disorder. <i>Molecular Psychiatry</i> , 2016, 21, 1710-1716.	4.1	400
3	Age-related microstructural differences quantified using myelin water imaging and advanced diffusion MRI. <i>Neurobiology of Aging</i> , 2015, 36, 2107-2121.	1.5	183
4	Altered functional connectivity of the language network in ASD: Role of classical language areas and cerebellum. <i>NeuroImage: Clinical</i> , 2014, 4, 374-382.	1.4	139
5	Volume of the Human Hippocampus and Clinical Response Following Electroconvulsive Therapy. <i>Biological Psychiatry</i> , 2018, 84, 574-581.	0.7	138
6	Limbic and Callosal White Matter Changes in Euthymic Bipolar I Disorder: An Advanced Diffusion Magnetic Resonance Imaging Tractography Study. <i>Biological Psychiatry</i> , 2013, 73, 194-201.	0.7	116
7	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	2.1	94
8	Characterizing the microstructural basis of "unidentified bright objects" in neurofibromatosis type 1: A combined in vivo multicomponent T2 relaxation and multi-shell diffusion MRI analysis. <i>NeuroImage: Clinical</i> , 2014, 4, 649-658.	1.4	92
9	Relationship Between Hippocampal Volume, Serum BDNF, and Depression Severity Following Electroconvulsive Therapy in Late-Life Depression. <i>Neuropsychopharmacology</i> , 2016, 41, 2741-2748.	2.8	87
10	Grey matter volume increase following electroconvulsive therapy in patients with late life depression: a longitudinal MRI study. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 105-114.	1.4	84
11	The structural neuroimaging of bipolar disorder. <i>International Review of Psychiatry</i> , 2009, 21, 297-313.	1.4	81
12	Brain Changes Induced by Electroconvulsive Therapy Are Broadly Distributed. <i>Biological Psychiatry</i> , 2020, 87, 451-461.	0.7	72
13	Altered Interhemispheric and Temporal Lobe White Matter Microstructural Organization in Severe Chronic Schizophrenia. <i>Neuropsychopharmacology</i> , 2014, 39, 944-954.	2.8	68
14	The Global ECT-MRI Research Collaboration (GEMRIC): Establishing a multi-site investigation of the neural mechanisms underlying response to electroconvulsive therapy. <i>NeuroImage: Clinical</i> , 2017, 14, 422-432.	1.4	68
15	Meta-analysis of regional white matter volume in bipolar disorder with replication in an independent sample using coordinates, T-maps, and individual MRI data. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 84, 162-170.	2.9	68
16	Longitudinal Assessment of Chemotherapy-Induced Alterations in Brain Activation During Multitasking and Its Relation With Cognitive Complaints. <i>Journal of Clinical Oncology</i> , 2014, 32, 2031-2038.	0.8	66
17	No Association of Lower Hippocampal Volume With Alzheimer's Disease Pathology in Late-Life Depression. <i>American Journal of Psychiatry</i> , 2017, 174, 237-245.	4.0	59
18	Early- and Late-Onset Depression in Late Life: A Prospective Study on Clinical and Structural Brain Characteristics and Response to Electroconvulsive Therapy. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 178-189.	0.6	59

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19	The effect of template selection on diffusion tensor voxel-based analysis results. <i>NeuroImage</i> , 2011, 55, 566-573.	2.1	57
20	Electric field causes volumetric changes in the human brain. <i>ELife</i> , 2019, 8, .	2.8	57
21	In vivo synaptic density loss is related to tau deposition in amnesic mild cognitive impairment. <i>Neurology</i> , 2020, 95, e545-e553.	1.5	56
22	Corpus callosum area in patients with bipolar disorder with and without psychotic features: an international multicentre study. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 352-359.	1.4	53
23	Recovery from chemotherapy-induced white matter changes in young breast cancer survivors?. <i>Brain Imaging and Behavior</i> , 2018, 12, 64-77.	1.1	52
24	White matter differences in euthymic bipolar I disorder: a combined magnetic resonance imaging and diffusion tensor imaging voxel-based study. <i>Bipolar Disorders</i> , 2013, 15, 365-376.	1.1	50
25	Anatomical integration and rich-club connectivity in euthymic bipolar disorder. <i>Psychological Medicine</i> , 2017, 47, 1609-1623.	2.7	49
26	Structural brain network analysis in families multiply affected with bipolar I disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 44-51.	0.9	48
27	The functional neuroanatomy of multitasking: Combining dual tasking with a short term memory task. <i>Neuropsychologia</i> , 2013, 51, 2251-2260.	0.7	42
28	White matter microstructural abnormalities in families multiply affected with bipolar I disorder: a diffusion tensor tractography study. <i>Psychological Medicine</i> , 2014, 44, 2139-2150.	2.7	42
29	Long-term neurocognitive functioning after electroconvulsive therapy in patients with late-life depression. <i>Acta Psychiatrica Scandinavica</i> , 2018, 138, 223-231.	2.2	38
30	Track Orientation Density Imaging (TODI) and Track Orientation Distribution (TOD) based tractography. <i>NeuroImage</i> , 2014, 94, 312-336.	2.1	37
31	Virtual brain grafting: Enabling whole brain parcellation in the presence of large lesions. <i>NeuroImage</i> , 2021, 229, 117731.	2.1	33
32	Structural changes induced by electroconvulsive therapy are associated with clinical outcome. <i>Brain Stimulation</i> , 2020, 13, 696-704.	0.7	31
33	Chemotherapy-induced neurotoxicity in pediatric solid non-CNS tumor patients: An update on current state of research and recommended future directions. <i>Critical Reviews in Oncology/Hematology</i> , 2016, 103, 37-48.	2.0	30
34	Association of grey matter volume deviation with insight impairment in first-episode affective and non-affective psychosis. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 133-141.	1.8	28
35	Corpus callosum macro and microstructure in late-life depression. <i>Journal of Affective Disorders</i> , 2017, 222, 63-70.	2.0	27
36	The relationship between neuroimaging and motor outcome in children with cerebral palsy: A systematic reviewâ€”Part B diffusion imaging and tractography. <i>Research in Developmental Disabilities</i> , 2020, 97, 103569.	1.2	27

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37	Volume and shape analysis of subcortical brain structures and ventricles in euthymic bipolar I disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 324-330.	0.9	26
38	Neurodevelopmental subtypes of bipolar disorder are related to cortical folding patterns: An international multicenter study. <i>Bipolar Disorders</i> , 2018, 20, 721-732.	1.1	25
39	An atlas of white matter anatomy, its variability, and reproducibility based on constrained spherical deconvolution of diffusion MRI. <i>NeuroImage</i> , 2022, 254, 119029.	2.1	23
40	Quantitative DTI Measures. , 2016, , 65-87.		22
41	Reduced tendency to attribute mental states to abstract shapes in behavioral variant frontotemporal dementia links with cerebellar structural integrity. <i>NeuroImage: Clinical</i> , 2019, 22, 101770.	1.4	20
42	White matter microstructure and volitional motor activity in schizophrenia: A diffusion kurtosis imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2017, 260, 29-36.	0.9	17
43	Hippocampal volume change following ECT is mediated by rs699947 in the promotor region of VEGF. <i>Translational Psychiatry</i> , 2019, 9, 191.	2.4	17
44	The relationship between neuroimaging and motor outcome in children with cerebral palsy: A systematic review – Part A. Structural imaging. <i>Research in Developmental Disabilities</i> , 2020, 100, 103606.	1.2	17
45	Association between hippocampal volume change and change in memory following electroconvulsive therapy in late-life depression. <i>Acta Psychiatrica Scandinavica</i> , 2019, 140, 435-445.	2.2	16
46	Cavum septum pellucidum in pediatric traumatic brain injury. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 186-192.	0.9	15
47	Lithium prevents grey matter atrophy in patients with bipolar disorder: an international multicenter study. <i>Psychological Medicine</i> , 2021, 51, 1201-1210.	2.7	15
48	Biophysical mechanisms of electroconvulsive therapy-induced volume expansion in the medial temporal lobe: A longitudinal in vivo human imaging study. <i>Brain Stimulation</i> , 2021, 14, 1038-1047.	0.7	14
49	Electroconvulsive therapy response in late-life depression unaffected by age-related brain changes. <i>Journal of Affective Disorders</i> , 2019, 251, 114-120.	2.0	13
50	Lower regional gray matter volume in the absence of higher cortical amyloid burden in late-life depression. <i>Scientific Reports</i> , 2021, 11, 15981.	1.6	13
51	A diffusion tensor imaging family study of the fornix in schizophrenia. <i>Schizophrenia Research</i> , 2014, 159, 435-440.	1.1	12
52	Are Apathy and Depressive Symptoms Related to Vascular White Matter Hyperintensities in Severe Late Life Depression?. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2021, 34, 21-28.	1.2	12
53	DTI Analysis Methods: Voxel-Based Analysis. , 2016, , 183-203.		11
54	Exploring resting state connectivity in patients with psychotic depression. <i>PLoS ONE</i> , 2019, 14, e0209908.	1.1	10

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55	Introduction to Diffusion Tensor Imaging. , 2016, , 7-19.		9
56	Brain-behaviour associations and neural representations of emotions in frontotemporal dementia. Brain, 2020, 143, e17-e17.	3.7	8
57	The Leuven late life depression (L3D) study: PET-MRI biomarkers of pathological brain ageing in late-life depression: study protocol. BMC Psychiatry, 2021, 21, 64.	1.1	7
58	Diffusion kurtosis imaging of white matter in bipolar disorder. Psychiatry Research - Neuroimaging, 2021, 317, 111341.	0.9	6
59	An optimized MRI and PET based clinical protocol for improving the differential diagnosis of geriatric depression and Alzheimer's disease. Psychiatry Research - Neuroimaging, 2022, 320, 111443.	0.9	6
60	Asymmetric Amyloid Deposition in the Brain Following Unilateral Electroconvulsive Therapy. Biological Psychiatry, 2017, 81, e11-e13.	0.7	4
61	Elevated body weight modulates subcortical volume change and associated clinical response following electroconvulsive therapy. Journal of Psychiatry and Neuroscience, 2021, 46, E418-E426.	1.4	4
62	Long term fMRI adaptation depends on adapter response in face-selective cortex. Communications Biology, 2021, 4, 712.	2.0	3
63	Response to Volume Increase in the Dentate Gyrus Induced by Electroconvulsive Therapy. Journal of ECT, 2021, 37, e3-e5.	0.3	3
64	Strategies and Challenges in DTI Analysis. , 2016, , 153-173.		2
65	Cortisol is not associated with pre-treatment medial temporal lobe volume or volume changes after electroconvulsive therapy in patients with late-life depression. Psychiatry Research - Neuroimaging, 2019, 291, 26-33.	0.9	2
66	A longitudinal study of the association between basal ganglia volumes and psychomotor symptoms in subjects with late life depression undergoing ECT. Translational Psychiatry, 2021, 11, 199.	2.4	2
67	DTI in Diagnosis and Follow-Up of Brain Tumors. , 2016, , 309-330.		1
68	DTI in Clinical Practice: Opportunities and Considerations. , 2016, , 275-290.		1
69	DTI in Psychiatry. , 2016, , 359-372.		1
70	P.301 Hippocampal subfield volumetric changes following electroconvulsive therapy in patients with late-life depression. European Neuropsychopharmacology, 2019, 29, S214-S215.	0.3	1
71	OUP accepted manuscript. Schizophrenia Bulletin, 2021, , .	2.3	1
72	VARIATION IN GREY MATTER VOLUME WITH DEGREE OF INSIGHT IN FIRST EPISODE PSYCHOSIS AND CHRONIC SCHIZOPHRENIA. Schizophrenia Research, 2010, 117, 340.	1.1	0

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73	Poster #M51 TEMPORAL LOBE WHITE MATTER ALTERATIONS IN SCHIZOPHRENIA: A DIFFUSION TENSOR IMAGING TRACTOMETRY FAMILY STUDY. Schizophrenia Research, 2014, 153, S207-S208.	1.1	0
74	445. Neural Predictors and Correlates of Electroconvulsive Therapy in Late-Life Depression. Biological Psychiatry, 2017, 81, S181-S182.	0.7	0
75	T128. Medial Temporal Lobe and Subcortical Shape Changes Following Electroconvulsive Therapy in Late-Life Depression. Biological Psychiatry, 2018, 83, S178.	0.7	0
76	P.406 Hippocampal volume increase in electroconvulsive therapy is independent of amyloid deposition in late-life depression. European Neuropsychopharmacology, 2020, 31, S79.	0.3	0
77	Regional distribution of amyloid deposition and grey matter atrophy in late-life depression. Alzheimer's and Dementia, 2020, 16, e041564.	0.4	0
78	Neuroimaging Evidence for Increased Neurite Density in Patients Taking Lithium: A Replication Study. Psychotherapy and Psychosomatics, 2021, 90, 71-72.	4.0	0
79	Hippocampal volume as a vulnerability marker for late onset psychosis: Associations with memory function and childhood trauma. Schizophrenia Research, 2020, 224, 201-202.	1.1	0