

Fleur M Howells

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

4,969
citations

136885

32
h-index

106281

65
g-index

79
all docs

79
docs citations

79
times ranked

7618
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. <i>Biological Psychiatry</i> , 2018, 84, 644-654.	0.7	627
2	Cortical abnormalities in bipolar disorder: an MRI analysis of 6503 individuals from the ENIGMA Bipolar Disorder Working Group. <i>Molecular Psychiatry</i> , 2018, 23, 932-942.	4.1	558
3	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. <i>Molecular Psychiatry</i> , 2018, 23, 1261-1269.	4.1	522
4	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	3.3	299
5	Widespread white matter microstructural abnormalities in bipolar disorder: evidence from mega- and meta-analyses across 3033 individuals. <i>Neuropsychopharmacology</i> , 2019, 44, 2285-2293.	2.8	147
6	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017, 11, 1497-1514.	1.1	144
7	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 431-451.	1.9	143
8	Neuroimaging effects of prenatal alcohol exposure on the developing human brain: a magnetic resonance imaging review. <i>Acta Neuropsychiatrica</i> , 2015, 27, 251-269.	1.0	142
9	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. <i>Molecular Psychiatry</i> , 2021, 26, 5124-5139.	4.1	136
10	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47.	6.0	136
11	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. <i>NeuroImage</i> , 2020, 218, 116956.	2.1	135
12	Using structural MRI to identify bipolar disorders – 13 site machine learning study in 3020 individuals from the ENIGMA Bipolar Disorders Working Group. <i>Molecular Psychiatry</i> , 2020, 25, 2130-2143.	4.1	127
13	The effects of mindfulness-based cognitive therapy in patients with bipolar disorder: A controlled functional MRI investigation. <i>Journal of Affective Disorders</i> , 2013, 150, 1152-1157.	2.0	125
14	The neurobiology of methamphetamine induced psychosis. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 537.	1.0	125
15	Synergistic tonic and phasic activity of the locus coeruleus norepinephrine (LC-NE) arousal system is required for optimal attentional performance. <i>Metabolic Brain Disease</i> , 2012, 27, 267-274.	1.4	118
16	Greater male than female variability in regional brain structure across the lifespan. <i>Human Brain Mapping</i> , 2022, 43, 470-499.	1.9	76
17	Perceived mental effort correlates with changes in tonic arousal during attentional tasks. <i>Behavioral and Brain Functions</i> , 2010, 6, 39.	1.4	74
18	What we learn about bipolar disorder from large-scale neuroimaging: Findings and future directions from the ENIGMA Bipolar Disorder Working Group. <i>Human Brain Mapping</i> , 2022, 43, 56-82.	1.9	67

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19	Mindfulness based cognitive therapy improves frontal control in bipolar disorder: a pilot EEG study. BMC Psychiatry, 2012, 12, 15.	1.1	64
20	Stress reduces the neuroprotective effect of exercise in a rat model for Parkinson's disease. Behavioural Brain Research, 2005, 165, 210-220.	1.2	57
21	Electrophysiological indices of visual food cue-reactivity. Differences in obese, overweight and normal weight women. Appetite, 2015, 85, 126-137.	1.8	57
22	Alcohol exposure in utero is associated with decreased gray matter volume in neonates. Metabolic Brain Disease, 2016, 31, 81-91.	1.4	53
23	Electroencephalographic delta/alpha frequency activity differentiates psychotic disorders: a study of schizophrenia, bipolar disorder and methamphetamine-induced psychotic disorder. Translational Psychiatry, 2018, 8, 75.	2.4	51
24	A study of the effects of prenatal alcohol exposure on white matter microstructural integrity at birth. Acta Neuropsychiatrica, 2015, 27, 197-205.	1.0	49
25	The Relationship Between White Matter Microstructure and General Cognitive Ability in Patients With Schizophrenia and Healthy Participants in the ENIGMA Consortium. American Journal of Psychiatry, 2020, 177, 537-547.	4.0	49
26	Effects of early life trauma are dependent on genetic predisposition: a rat study. Behavioral and Brain Functions, 2011, 7, 11.	1.4	46
27	Maternal separation increases GABAA receptor-mediated modulation of norepinephrine release in the hippocampus of a rat model of ADHD, the spontaneously hypertensive rat. Brain Research, 2013, 1497, 23-31.	1.1	45
28	Glutamate-stimulated release of norepinephrine in hippocampal slices of animal models of attention-deficit/hyperactivity disorder (spontaneously hypertensive rat) and depression/anxiety-like behaviours (Wistarâ€“Kyoto rat). Brain Research, 2008, 1200, 107-115.	1.1	44
29	Mindfulness based cognitive therapy may improve emotional processing in bipolar disorder: pilot ERP and HRV study. Metabolic Brain Disease, 2014, 29, 367-375.	1.4	44
30	1H-magnetic resonance spectroscopy (1H-MRS) in methamphetamine dependence and methamphetamine induced psychosis. Schizophrenia Research, 2014, 153, 122-128.	1.1	43
31	In vivo hippocampal subfield volumes in bipolar disorderâ€“A megaâ€“analysis from The Enhancing Neuro Imaging Genetics through <scp>Metaâ€“Analysis</scp> Bipolar Disorder Working Group. Human Brain Mapping, 2022, 43, 385-398.	1.9	41
32	A <scp>metaâ€“analysis</scp> of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the <scp>ENIGMA Consortium</scp>. Human Brain Mapping, 2022, 43, 352-372.	1.9	39
33	Cross-fostering does not alter the neurochemistry or behavior of spontaneously hypertensive rats. Behavioral and Brain Functions, 2009, 5, 24.	1.4	37
34	Structural brain changes in prenatal methamphetamine-exposed children. Metabolic Brain Disease, 2014, 29, 341-349.	1.4	36
35	An introduction to psychedelic neuroscience. Progress in Brain Research, 2018, 242, 1-23.	0.9	28
36	Staging of Schizophrenia With the Use of PANSS: An International Multi-Center Study. International Journal of Neuropsychopharmacology, 2019, 22, 681-697.	1.0	28

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37	Increased glutamate-stimulated release of dopamine in substantia nigra of a rat model for attention-deficit/hyperactivity disorder—lack of effect of methylphenidate. <i>Metabolic Brain Disease</i> , 2009, 24, 599-613.	1.4	27
38	Interhemispheric Functional Brain Connectivity in Neonates with Prenatal Alcohol Exposure: Preliminary Findings. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 113-121.	1.4	27
39	Evidence for reduced tonic levels of GABA in the hippocampus of an animal model of ADHD, the spontaneously hypertensive rat. <i>Brain Research</i> , 2013, 1541, 52-60.	1.1	26
40	Association between body mass index and subcortical brain volumes in bipolar disorders—ENIGMA study in 2735 individuals. <i>Molecular Psychiatry</i> , 2021, 26, 6806-6819.	4.1	24
41	Clozapine decreases exploratory activity and increases anxiety-like behaviour in the Wistar—Kyoto rat but not the spontaneously hypertensive rat model of attention-deficit/hyperactivity disorder. <i>Brain Research</i> , 2012, 1467, 91-103.	1.1	23
42	Moderate to severe HIV-associated neurocognitive impairment. <i>Medicine (United States)</i> , 2016, 95, e5401.	0.4	22
43	Current and potential pharmacological and psychosocial interventions for anxiety symptoms and disorders in patients with schizophrenia: structured review. <i>Human Psychopharmacology</i> , 2017, 32, e2628.	0.7	21
44	Childhood Trauma is Associated with Altered Cortical Arousal: Insights from an EEG Study. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 120.	1.0	20
45	Methylphenidate does not increase ethanol consumption in a rat model for attention-deficit hyperactivity disorder—the spontaneously hypertensive rat. <i>Metabolic Brain Disease</i> , 2008, 23, 303-314.	1.4	18
46	1H-magnetic resonance spectroscopy in social anxiety disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 58, 97-104.	2.5	18
47	The impact of acute and short-term methamphetamine abstinence on brain metabolites: A proton magnetic resonance spectroscopy chemical shift imaging study. <i>Drug and Alcohol Dependence</i> , 2018, 185, 226-237.	1.6	18
48	First-Rank Symptoms in Methamphetamine Psychosis and Schizophrenia. <i>Psychopathology</i> , 2016, 49, 429-435.	1.1	16
49	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	1.9	16
50	Increased thalamic phospholipid concentration evident in bipolar I disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 41, 1-5.	2.5	12
51	Cognitive control over visual food cue saliency is greater in reduced-overweight/obese but not in weight relapsed women: An EEG study. <i>Eating Behaviors</i> , 2015, 19, 76-80.	1.1	12
52	Reduced glutamate in white matter of male neonates exposed to alcohol in utero: a 1H-magnetic resonance spectroscopy study. <i>Metabolic Brain Disease</i> , 2016, 31, 1105-1112.	1.4	11
53	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. <i>Biological Psychiatry</i> , 2022, 92, 299-313.	0.7	11
54	Genetic predisposition and early life experience interact to determine glutamate transporter (GLT1) and solute carrier family 12 member 5 (KCC2) levels in rat hippocampus. <i>Metabolic Brain Disease</i> , 2016, 31, 169-182.	1.4	10

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55	The relationship between measurement of in vivo brain glutamate and markers of iron metabolism: A proton magnetic resonance spectroscopy study in healthy adults. <i>European Journal of Neuroscience</i> , 2020, 51, 984-990.	1.2	10
56	Differential effects of social isolation rearing on glutamate- and GABA-stimulated noradrenaline release in the rat prefrontal cortex and hippocampus. <i>European Neuropsychopharmacology</i> , 2020, 36, 111-120.	0.3	10
57	Methamphetamine Use and Antipsychotic-related Extrapyramidal Side-effects in Patients with Psychotic Disorders. <i>Journal of Dual Diagnosis</i> , 2020, 16, 208-217.	0.7	10
58	Nicotine-stimulated release of [3H]norepinephrine is reduced in the hippocampus of an animal model of attention-deficit/hyperactivity disorder, the spontaneously hypertensive rat. <i>Brain Research</i> , 2014, 1572, 1-10.	1.1	9
59	Genetically determined differences in noradrenergic function: The spontaneously hypertensive rat model. <i>Brain Research</i> , 2016, 1641, 291-305.	1.1	9
60	Multinational comparative cross-sectional survey of views of medical students about acceptable terminology and subgroups in schizophrenia. <i>BMJ Open</i> , 2018, 8, e021461.	0.8	7
61	The prevalence and clinical correlates of substance use disorders in patients with psychotic disorders from an Upper-Middle-Income Country. <i>South African Journal of Psychiatry</i> , 2020, 26, 1473.	0.2	7
62	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. <i>Biological Psychiatry</i> , 2019, 85, e35-e39.	0.7	5
63	Modeling psychological function in patients with schizophrenia with the PANSS: an international multi-center study. <i>CNS Spectrums</i> , 2021, 26, 290-298.	0.7	5
64	Diagnosis of bipolar disorders and body mass index predict clustering based on similarities in cortical thickness—ENIGMA study in 2436 individuals. <i>Bipolar Disorders</i> , 2022, 24, 509-520.	1.1	5
65	Progress in neuroscience in Africa: editorial. <i>Metabolic Brain Disease</i> , 2016, 31, 1-2.	1.4	4
66	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. <i>Lecture Notes in Computer Science</i> , 2017, 10541, 371-378.	1.0	4
67	Progress in neuroscience in Africa: editorial. <i>Metabolic Brain Disease</i> , 2018, 33, 357-358.	1.4	3
68	Gender, age at onset, and duration of being ill as predictors for the long-term course and outcome of schizophrenia: an international multicenter study. <i>CNS Spectrums</i> , 2022, 27, 716-723.	0.7	3
69	Can cognitive behaviour therapy beneficially influence arousal mechanisms in psychosis?. <i>Human Psychopharmacology</i> , 2016, 31, 64-69.	0.7	1
70	Food Cue Reactivity and the Brain-Heart Axis During Cognitive Stress Following Clinically Relevant Weight Loss. <i>Frontiers in Nutrition</i> , 2019, 5, 135.	1.6	1
71	Healthy Restrained Eaters Diminish Consummatory Food Reward and Inhibit Prepotent Feeding Responses: An EEG Study. <i>Mental Health in Family Medicine</i> , 2016, 12, .	0.2	1
72	1 H-Magnetic Resonance Spectroscopy and Methamphetamine. , 2016, , 329-335.		0

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73	The Effects of Mindfulness-Based Cognitive Therapy in Bipolar Disorder. , 2016, , 155-161.		0
74	Capacity for cortical excitation is reduced in psychotic disorders: An investigation of the TMS-EMG cortical silent period. Schizophrenia Research, 2022, 240, 73-77.	1.1	0