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List of Publications by Year
in descending order

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92 papers	6,901 citations	87843 38 h-index	66879 78 g-index
94 all docs	94 docs citations	94 times ranked	9947 citing authors

#	Article	IF	Citations
1	Cortical abnormalities in adults and adolescents with major depression based on brain scans from 20 cohorts worldwide in the ENIGMA Major Depressive Disorder Working Group. Molecular Psychiatry, 2017, 22, 900-909.	4.1	852
2	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	1.1	696
3	Cortical abnormalities in bipolar disorder: an MRI analysis of 6503 individuals from the ENIGMA Bipolar Disorder Working Group. Molecular Psychiatry, 2018, 23, 932-942.	4.1	558
4	A Review of Feature Reduction Techniques in Neuroimaging. Neuroinformatics, 2014, 12, 229-244.	1.5	418
5	Subcortical volumetric abnormalities in bipolar disorder. Molecular Psychiatry, 2016, 21, 1710-1716.	4.1	400
6	Areas of controversy in neuroprogression in bipolar disorder. Acta Psychiatrica Scandinavica, 2016, 134, 91-103.	2.2	173
7	Multi-centre diagnostic classification of individual structural neuroimaging scans from patients with major depressive disorder. Brain, 2012, 135, 1508-1521.	3.7	158
8	Identifying a clinical signature of suicidality among patients with mood disorders: A pilot study using a machine learning approach. Journal of Affective Disorders, 2016, 193, 109-116.	2.0	152
9	The impact of machine learning techniques in the study of bipolar disorder: A systematic review. Neuroscience and Biobehavioral Reviews, 2017, 80, 538-554.	2.9	146
10	The insular cortex and the neuroanatomy of major depression. Journal of Affective Disorders, 2011, 133, 120-127.	2.0	145
11	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. Brain Imaging and Behavior, 2017, 11, 1497-1514.	1.1	144
12	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. Molecular Psychiatry, 2021, 26, 5124-5139.	4.1	136
13	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	6.0	136
14	Hippocampal subfield volumes in mood disorders. Molecular Psychiatry, 2017, 22, 1352-1358.	4.1	132
15	Using structural MRI to identify bipolar disorders â€“ 13 site machine learning study in 3020 individuals from the ENIGMA Bipolar Disorders Working Group. Molecular Psychiatry, 2020, 25, 2130-2143.	4.1	127
16	Prediction of individual subject's age across the human lifespan using diffusion tensor imaging: A machine learning approach. NeuroImage, 2013, 75, 58-67.	2.1	111
17	Big data analytics and machine learning: 2015 and beyond. Lancet Psychiatry,the, 2016, 3, 13-15.	3.7	110
18	Neuroprogression and illness trajectories in bipolar disorder. Expert Review of Neurotherapeutics, 2017, 17, 277-285.	1.4	99

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19	Identification and individualized prediction of clinical phenotypes in bipolar disorders using neurocognitive data, neuroimaging scans and machine learning. NeuroImage, 2017, 145, 254-264.	2.1	98
20	Lifespan Gyrification Trajectories of Human Brain in Healthy Individuals and Patients with Major Psychiatric Disorders. Scientific Reports, 2017, 7, 511.	1.6	98
21	Hippocampal volume and verbal memory performance in late-stage bipolar disorder. Journal of Psychiatric Research, 2016, 73, 102-107.	1.5	95
22	Prediction of illness severity in patients with major depression using structural MR brain scans. Journal of Magnetic Resonance Imaging, 2012, 35, 64-71.	1.9	89
23	Brainstem abnormalities in attention deficit hyperactivity disorder support high accuracy individual diagnostic classification. Human Brain Mapping, 2014, 35, 5179-5189.	1.9	83
24	Reduced hippocampus volume and memory performance in bipolar disorder patients carrying the BDNF val66met met allele. Journal of Affective Disorders, 2016, 198, 198-205.	2.0	80
25	Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. Molecular Psychiatry, 2021, 26, 4839-4852.	4.1	76
26	Machine learning and big data analytics in bipolar disorder: A position paper from the International Society for Bipolar Disorders Big Data Task Force. Bipolar Disorders, 2019, 21, 582-594.	1.1	74
27	The Association Between Familial Risk and Brain Abnormalities Is Disease Specific: An ENIGMA-Relatives Study of Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2019, 86, 545-556.	0.7	67
28	Diffusion tensor imaging of the human cerebellar pathways and their interplay with cerebral macrostructure. Frontiers in Neuroanatomy, 2015, 9, 41.	0.9	63
29	Changes in the corpus callosum in women with late-stage bipolar disorder. Acta Psychiatrica Scandinavica, 2015, 131, 458-464.	2.2	58
30	Individualized Prediction and Clinical Staging of Bipolar Disorders Using Neuroanatomical Biomarkers. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 186-194.	1.1	58
31	Hippocampal Subfield Volumes in Patients With First-Episode Psychosis. Schizophrenia Bulletin, 2018, 44, 552-559.	2.3	57
32	Visualization and unsupervised predictive clustering of high-dimensional multimodal neuroimaging data. Journal of Neuroscience Methods, 2014, 236, 19-25.	1.3	53
33	<scp>Megaâ€analysis</scp> methods in <scp>ENIGMA</scp>: The experience of the generalized anxiety disorder working group. Human Brain Mapping, 2022, 43, 255-277.	1.9	51
34	Hippocampal subfield volumes in children and adolescents with mood disorders. Journal of Psychiatric Research, 2018, 101, 57-62.	1.5	49
35	Cortical thickness patterns as state biomarker of anorexia nervosa. International Journal of Eating Disorders, 2018, 51, 241-249.	2.1	48
36	Reduced white matter integrity and verbal fluency impairment in young adults with bipolar disorder: A diffusion tensor imaging study. Journal of Psychiatric Research, 2015, 62, 115-122.	1.5	47

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37	Volumetric brain magnetic resonance imaging predicts functioning in bipolar disorder: A machine learning approach. Journal of Psychiatric Research, 2018, 103, 237-243.	1.5	47
38	Interaction between BDNF rs6265 Met allele and low family cohesion is associated with smaller left hippocampal volume in pediatric bipolar disorder. Journal of Affective Disorders, 2016, 189, 94-97.	2.0	45
39	The medial forebrain bundle as a deep brain stimulation target for treatment resistant depression: A review of published data. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 58, 59-70.	2.5	39
40	Individualized identification of euthymic bipolar disorder using the Cambridge Neuropsychological Test Automated Battery (CANTAB) and machine learning. Journal of Affective Disorders, 2016, 192, 219-225.	2.0	39
41	Distinctive Neuroanatomical Substrates for Depression in Bipolar Disorder versus Major Depressive Disorder. Cerebral Cortex, 2019, 29, 202-214.	1.6	39
42	Identifying neuroanatomical signatures of anorexia nervosa: a multivariate machine learning approach. Psychological Medicine, 2015, 45, 2805-2812.	2.7	36
43	Entorhinal Cortex Thickness across the Human Lifespan. Journal of Neuroimaging, 2016, 26, 278-282.	1.0	36
44	Development and validation of a brain maturation index using longitudinal neuroanatomical scans. NeuroImage, 2015, 117, 311-318.	2.1	34
45	Longitudinal Analysis of Quantitative Brain MRI in Astronauts Following Microgravity Exposure. Journal of Neuroimaging, 2019, 29, 323-330.	1.0	33
46	<scp>ENIGMAâ€anxiety</scp>working group: Rationale for and organization of<scp>largeâ€scale</scp>neuroimaging studies of anxiety disorders. Human Brain Mapping, 2022, 43, 83-112.	1.9	31
47	Brain structural correlates of insomnia severity in 1053 individuals with major depressive disorder: results from the ENIGMA MDD Working Group. Translational Psychiatry, 2020, 10, 425.	2.4	31
48	The relationship between cortical thickness and body mass index differs between women with anorexia nervosa and healthy controls. Psychiatry Research - Neuroimaging, 2016, 248, 105-109.	0.9	27
49	Prediction of pediatric unipolar depression using multiple neuromorphometric measurements: A pattern classification approach. Journal of Psychiatric Research, 2015, 62, 84-91.	1.5	26
50	Prediction of pediatric bipolar disorder using neuroanatomical signatures of the amygdala. Bipolar Disorders, 2014, 16, 713-721.	1.1	25
51	Predictive classification of pediatric bipolar disorder using atlas-based diffusion weighted imaging and support vector machines. Psychiatry Research - Neuroimaging, 2015, 234, 265-271.	0.9	25
52	Predictive classification of individual magnetic resonance imaging scans from children and adolescents. European Child and Adolescent Psychiatry, 2013, 22, 733-744.	2.8	24
53	Quantitative MRI volumetry, diffusivity, cerebrovascular flow, and cranial hydrodynamics during head-down tilt and hypercapnia: the SPACECOT study. Journal of Applied Physiology, 2017, 122, 1155-1166.	1.2	24
54	Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. Translational Psychiatry, 2021, 11, 502.	2.4	24

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55	Evidence of altered membrane phospholipid metabolism in the anterior cingulate cortex and striatum of patients with bipolar disorder I: A multi-voxel 1H MRS study. Journal of Psychiatric Research, 2016, 81, 48-55.	1.5	23
56	The Clinical Picture of Psychosis in Manifest Huntington's Disease: A Comprehensive Analysis of the Enroll-HD Database. Frontiers in Neurology, 2018, 9, 930.	1.1	23
57	Peripheral biomarker signatures of bipolar disorder and schizophrenia: A machine learning approach. Schizophrenia Research, 2017, 188, 182-184.	1.1	22
58	Shared clinical associations between obesity and impulsivity in rapid cycling bipolar disorder: A systematic review. Journal of Affective Disorders, 2014, 168, 306-313.	2.0	19
59	Reduced Inhibitory Control Mediates the Relationship Between Cortical Thickness in the Right Superior Frontal Gyrus and Body Mass Index. Neuropsychopharmacology, 2016, 41, 2275-2282.	2.8	19
60	Limbic Pathway Correlates of Cognitive Impairment in Multiple Sclerosis. Journal of Neuroimaging, 2017, 27, 37-42.	1.0	19
61	Machine learning-guided intervention trials to predict treatment response at an individual patient level: an important second step following randomized clinical trials. Molecular Psychiatry, 2020, 25, 701-702.	4.1	19
62	Neurocognitive functioning in individuals with bipolar disorder and their healthy siblings: A preliminary study. Journal of Affective Disorders, 2016, 201, 51-56.	2.0	18
63	Measures of possible allostatic load in comorbid cocaine and alcohol use disorder: Brain white matter integrity, telomere length, and anti-saccade performance. PLoS ONE, 2019, 14, e0199729.	1.1	17
64	Elevated Choline-Containing Compound Levels in Rapid Cycling Bipolar Disorder. Neuropsychopharmacology, 2017, 42, 2252-2258.	2.8	16
65	Early identification of bipolar disorder among young adults â€“ a 22â€year community birth cohort. Acta Psychiatrica Scandinavica, 2020, 142, 476-485.	2.2	16
66	Prediction of suicide attempts in a prospective cohort study with a nationally representative sample of the US population. Psychological Medicine, 2022, 52, 2985-2996.	2.7	16
67	Quantitative Limbic System Mapping of Main Cognitive Domains in Multiple Sclerosis. Frontiers in Neurology, 2018, 9, 132.	1.1	14
68	Intelligence, educational attainment, and brain structure in those at familial highâ€risk for schizophrenia or bipolar disorder. Human Brain Mapping, 2022, 43, 414-430.	1.9	14
69	Premorbid obesity and metabolic disturbances as promising clinical targets for the prevention and early screening of bipolar disorder. Medical Hypotheses, 2015, 84, 285-293.	0.8	12
70	Prediction of vulnerability to bipolar disorder using multivariate neurocognitive patterns: a pilot study. International Journal of Bipolar Disorders, 2017, 5, 32.	0.8	10
71	Molecular Senescence Is Associated With White Matter Microstructural Damage in Late-Life Depression. American Journal of Geriatric Psychiatry, 2019, 27, 1414-1418.	0.6	10
72	The role of white matter in personality traits and affective processing in bipolar disorder. Journal of Psychiatric Research, 2016, 80, 64-72.	1.5	9

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73	Brain Quantitative MRI Metrics in Astronauts as a Unique Professional Group. Journal of Neuroimaging, 2018, 28, 256-268.	1.0	8
74	Effects of valproate on brain volumes in pediatric bipolar disorder: A preliminary study. Psychiatry Research - Neuroimaging, 2018, 278, 65-68.	0.9	8
75	Big Data and Machine Learning Meet the Health Sciences. , 2019, , 1-13.		8
76	Eotaxin-1/CCL11 correlates with left superior temporal gyrus in bipolar disorder: A preliminary report suggesting accelerated brain aging. Journal of Affective Disorders, 2020, 273, 592-596.	2.0	8
77	Confirmation of MRI anatomical measurements as endophenotypic markers for bipolar disorder in a new sample from the NIMH Genetics of Bipolar Disorder in Latino Populations study. Psychiatry Research - Neuroimaging, 2016, 247, 34-41.	0.9	6
78	Brain gyrification and neuroprogression in bipolar disorder. Acta Psychiatrica Scandinavica, 2017, 135, 612-613.	2.2	6
79	Altered neurochemistry in the anterior white matter of bipolar children and adolescents: a multivoxel 1H MRS study. Molecular Psychiatry, 2021, 26, 4117-4126.	4.1	6
80	The use of component-wise gradient boosting to assess the possible role of cognitive measures as markers of vulnerability to pediatric bipolar disorder. Cognitive Neuropsychiatry, 2019, 24, 93-107.	0.7	4
81	White matter microstructure associated with anhedonia among individuals with bipolar disorders and high-risk for bipolar disorders. Journal of Affective Disorders, 2022, 300, 91-98.	2.0	4
82	Diffusion Tensor Imagingâ€Defined Sulcal Enlargement Is Related to Cognitive Impairment in Multiple Sclerosis. Journal of Neuroimaging, 2017, 27, 312-317.	1.0	3
83	MR Spectroscopy Findings of the Basal Ganglia in Bipolar Disorders: a Systematic Review. Current Psychiatry Reviews, 2018, 14, 99-104.	0.9	3
84	Smaller left anterior cingulate cortex in non-bipolar relatives of patients with bipolar disorder. Revista Brasileira De Psiquiatria, 2019, 41, 254-256.	0.9	3
85	Evidence of altered metabolism of cellular membranes in bipolar disorder comorbid with post-traumatic stress disorder. Journal of Affective Disorders, 2021, 289, 81-87.	2.0	3
86	Correlations between peripheral levels of inflammatory mediators and frontolimbic structures in bipolar disorder: an exploratory analysis. CNS Spectrums, 2022, 27, 639-644.	0.7	3
87	The role of educational attainment and brain morphology in major depressive disorder: Findings from the ENIGMA major depressive disorder consortium.. , 2022, 131, 664-673.		2
88	613. Obesity-Related Thinning in the Frontal Cortex in Patients with Bipolar I Disorder: Correlations with Functioning. Biological Psychiatry, 2017, 81, S248.	0.7	1
89	C-Reactive Protein and the Uncinate Fasciculus in Anhedonia and Depression. Biological Psychiatry, 2021, 89, S272.	0.7	1
90	An Overview of Machine Learning Applications in Mood Disorders. , 2021, , 206-218.		0

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91	Investigation of endophenotype potential of decreased fractional anisotropy in pediatric bipolar disorder patients and unrelated offspring of bipolar disorder patients. CNS Spectrums, 2021, , 1-7.	0.7	0
92	P.0092 The efficacy of smartphone-based interventions in bipolar disorder: systematic-review and meta-analyses. A position paper from the ISBD Big Data Task-Force. European Neuropsychopharmacology, 2021, 53, S65-S66.	0.3	0