Dominik Grotegerd

List of Publications by Year
in descending order

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111	6,183	81839	85498
papers	citations	39 h-index	71 g-index

120	120	120	7991
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Limbic Scars: Long-Term Consequences of Childhood Maltreatment Revealed by Functional and Structural Magnetic Resonance Imaging. Biological Psychiatry, 2012, 71, 286-293.	0.7	789
2	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	6.0	450
3	Prediction of Individual Response to Electroconvulsive Therapy via Machine Learning on Structural Magnetic Resonance Imaging Data. JAMA Psychiatry, 2016, 73, 557.	6.0	257
4	Brain Morphometric Biomarkers Distinguishing Unipolar and Bipolar Depression. JAMA Psychiatry, 2014, 71, 1222.	6.0	226
5	White matter disturbances in major depressive disorder: a coordinated analysis across 20 international cohorts in the ENIGMA MDD working group. Molecular Psychiatry, 2020, 25, 1511-1525.	4.1	218
6	Hippocampal Atrophy in Major Depression: a Function of Childhood Maltreatment Rather than Diagnosis?. Neuropsychopharmacology, 2014, 39, 2723-2731.	2.8	158
7	Widespread white matter microstructural abnormalities in bipolar disorder: evidence from mega- and meta-analyses across 3033 individuals. Neuropsychopharmacology, 2019, 44, 2285-2293.	2.8	147
8	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
9	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3â€“90â€‰years. Human Brain Mapping, 2022, 43, 431-451.	1.9	143
10	Reward Processing in Unipolar and Bipolar Depression: A Functional MRI Study. Neuropsychopharmacology, 2015, 40, 2623-2631.	2.8	136
11	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. Molecular Psychiatry, 2021, 26, 5124-5139.	4.1	136
12	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	6.0	136
13	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. NeuroImage, 2020, 218, 116956.	2.1	135
14	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
15	ENIGMA MDD: seven years of global neuroimaging studies of major depression through worldwide data sharing. Translational Psychiatry, 2020, 10, 172.	2.4	121
16	Obesity and major depression: Body-mass index (BMI) is associated with a severe course of disease and specific neurostructural alterations. Psychoneuroendocrinology, 2015, 51, 219-226.	1.3	120
17	Amygdala excitability to subliminally presented emotional faces distinguishes unipolar and bipolar depression: An fMRI and pattern classification study. Human Brain Mapping, 2014, 35, 2995-3007.	1.9	99
18	Mediation of the influence of childhood maltreatment on depression relapse by cortical structure: a 2-year longitudinal observational study. Lancet Psychiatry,the, 2019, 6, 318-326.	3.7	97

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19	Discriminating unipolar and bipolar depression by means of fMRI and pattern classification: a pilot study. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 119-131.	1.8	88
20	Childhood adversity impacts on brain subcortical structures relevant to depression. Journal of Psychiatric Research, 2017, 86, 58-65.	1.5	81
21	Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. Molecular Psychiatry, 2021, 26, 4839-4852.	4.1	76
22	Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432.	7.1	75
23	Association of Serotonin Transporter Gene AluJb Methylation with Major Depression, Amygdala Responsiveness, 5-HTTLPR/rs25531 Polymorphism, and Stress. Neuropsychopharmacology, 2018, 43, 1308-1316.	2.8	73
24	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3â€“90â€‰years. Human Brain Mapping, 2022, 43, 452-469.	1.9	72
25	Disadvantage of Social Sensitivity: Interaction of Oxytocin Receptor Genotype and Child Maltreatment on Brain Structure. Biological Psychiatry, 2016, 80, 398-405.	0.7	69
26	The Limbic System in Youth Depression: Brain Structural and Functional Alterations in Adolescent In-patients with Severe Depression. Neuropsychopharmacology, 2018, 43, 546-554.	2.8	67
27	What we learn about bipolar disorder from largeâ€scale neuroimaging: Findings and future directions from the <scp>ENIGMA</scp> Bipolar Disorder Working Group. Human Brain Mapping, 2022, 43, 56-82.	1.9	67
28	Subcortical shape alterations in major depressive disorder: Findings from the ENIGMA major depressive disorder working group. Human Brain Mapping, 2022, 43, 341-351.	1.9	64
29	Differential Abnormal Pattern of Anterior Cingulate Gyrus Activation in Unipolar and Bipolar Depression: an fMRI and Pattern Classification Approach. Neuropsychopharmacology, 2017, 42, 1399-1408.	2.8	61
30	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	5.8	61
31	A voxelâ€based diffusion tensor imaging study in unipolar and bipolar depression. Bipolar Disorders, 2017, 19, 23-31.	1.1	60
32	Association of Brain Cortical Changes With Relapse in Patients With Major Depressive Disorder. JAMA Psychiatry, 2018, 75, 484.	6.0	60
33	Interactive impact of childhood maltreatment, depression, and age on cortical brain structure: mega-analytic findings from a large multi-site cohort. Psychological Medicine, 2020, 50, 1020-1031.	2.7	59
34	Are you gonna leave me? Separation anxiety is associated with increased amygdala responsiveness and volume. Social Cognitive and Affective Neuroscience, 2015, 10, 278-284.	1.5	57
35	<scp>FreeSurfer</scp>â€based segmentation of hippocampal subfields: A review of methods and applications, with a novel quality control procedure for <scp>ENIGMA</scp> studies and other collaborative efforts. Human Brain Mapping, 2022, 43, 207-233.	1.9	57
36	NCAN Cross-Disorder Risk Variant Is Associated With Limbic Gray Matter Deficits in Healthy Subjects and Major Depression. Neuropsychopharmacology, 2015, 40, 2510-2516.	2.8	56

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37	Elevated body-mass index is associated with reduced white matter integrity in two large independent cohorts. Psychoneuroendocrinology, 2018, 91, 179-185.	1.3	55
38	Distinguishing medicationâ€free subjects with unipolar disorder from subjects with bipolar disorder: state matters. Bipolar Disorders, 2016, 18, 612-623.	1.1	54
39	SPIDER OR NO SPIDER? NEURAL CORRELATES OF SUSTAINED AND PHASIC FEAR IN SPIDER PHOBIA. Depression and Anxiety, 2015, 32, 656-663.	2.0	53
40	A resting state fMRI analysis pipeline for pooling inference across diverse cohorts: an ENIGMA rs-fMRI protocol. Brain Imaging and Behavior, 2019, 13, 1453-1467.	1.1	49
41	Social anhedonia in major depressive disorder: a symptom-specific neuroimaging approach. Neuropsychopharmacology, 2019, 44, 883-889.	2.8	43
42	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
43	Severity of current depression and remission status are associated with structural connectome alterations in major depressive disorder. Molecular Psychiatry, 2020, 25, 1550-1558.	4.1	36
44	The Neuroanatomy of Transgender Identity: Mega-Analytic Findings From the ENIGMA Transgender Persons Working Group. Journal of Sexual Medicine, 2021, 18, 1122-1129.	0.3	36
45	Effects of cumulative illness severity on hippocampal gray matter volume in major depression: a voxel-based morphometry study. Psychological Medicine, 2018, 48, 2391-2398.	2.7	35
46	Evidence of an IFN-Î³ by early life stress interaction in the regulation of amygdala reactivity to emotional stimuli. Psychoneuroendocrinology, 2015, 62, 166-173.	1.3	33
47	<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
48	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
49	Reduced fractional anisotropy in depressed patients due to childhood maltreatment rather than diagnosis. Neuropsychopharmacology, 2019, 44, 2065-2072.	2.8	30
50	The effects of processing speed on memory impairment in patients with major depressive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 92, 494-500.	2.5	30
51	Brain Correlates of Suicide Attempt in 18,925 Participants Across 18 International Cohorts. Biological Psychiatry, 2021, 90, 243-252.	0.7	29
52	Longitudinal Structural Brain Changes in Bipolar Disorder: A Multicenter Neuroimaging Study of 1232 Individuals by the ENIGMA Bipolar Disorder Working Group. Biological Psychiatry, 2022, 91, 582-592.	0.7	29
53	Large-scale evidence for an association between low-grade peripheral inflammation and brain structural alterations in major depression in the BiDirect study. Journal of Psychiatry and Neuroscience, 2019, 44, 423-431.	1.4	29
54	Variation of HbA1c affects cognition and white matter microstructure in healthy, young adults. Molecular Psychiatry, 2021, 26, 1399-1408.	4.1	27

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55	Influence of electroconvulsive therapy on white matter structure in a diffusion tensor imaging study. Psychological Medicine, 2020, 50, 849-856.	2.7	26
56	Association between body mass index and subcortical brain volumes in bipolar disordersâ€“ENIGMA study in 2735 individuals. Molecular Psychiatry, 2021, 26, 6806-6819.	4.1	24
57	Prefrontal brain responsiveness to negative stimuli. Journal of Psychiatry and Neuroscience, 2017, 42, 343-352.	1.4	24
58	Genome-wide interaction study with major depression identifies novel variants associated with cognitive function. Molecular Psychiatry, 2022, 27, 1111-1119.	4.1	24
59	Cortical and subcortical neuroanatomical signatures of schizotypy in 3004 individuals assessed in a worldwide ENIGMA study. Molecular Psychiatry, 2022, 27, 1167-1176.	4.1	22
60	MANIAâ€”A Pattern Classification Toolbox for Neuroimaging Data. Neuroinformatics, 2014, 12, 471-486.	1.5	21
61	Reduced hippocampal gray matter volume is a common feature of patients with major depression, bipolar disorder, and schizophrenia spectrum disorders. Molecular Psychiatry, 2022, 27, 4234-4243.	4.1	21
62	The relationship between social cognition and executive function in Major Depressive Disorder in high-functioning adolescents and young adults. Psychiatry Research, 2018, 263, 139-146.	1.7	20
63	Associations of schizophrenia risk genes ZNF804A and CACNA1C with schizotypy and modulation of attention in healthy subjects. Schizophrenia Research, 2019, 208, 67-75.	1.1	20
64	Cortical surface area alterations shaped by genetic load for neuroticism. Molecular Psychiatry, 2020, 25, 3422-3431.	4.1	20
65	Theranostic markers for personalized therapy of spider phobia: Methods of a bicentric external crossâ€validation machine learning approach. International Journal of Methods in Psychiatric Research, 2020, 29, e1812.	1.1	20
66	Factor analyses of multidimensional symptoms in a large group of patients with major depressive disorder, bipolar disorder, schizoaffective disorder and schizophrenia. Schizophrenia Research, 2020, 218, 38-47.	1.1	19
67	Childhood maltreatment moderates the influence of genetic load for obesity on reward related brain structure and function in major depression. Psychoneuroendocrinology, 2019, 100, 18-26.	1.3	17
68	Brain functional effects of electroconvulsive therapy during emotional processing in major depressive disorder. Brain Stimulation, 2020, 13, 1051-1058.	0.7	17
69	Childhood maltreatment and cognitive functioning: the role of depression, parental education, and polygenic predisposition. Neuropsychopharmacology, 2021, 46, 891-899.	2.8	17
70	Dimensions of Formal Thought Disorder and Their Relation to Gray- and White Matter Brain Structure in Affective and Psychotic Disorders. Schizophrenia Bulletin, 2022, 48, 902-911.	2.3	17
71	10Kin1day: A Bottom-Up Neuroimaging Initiative. Frontiers in Neurology, 2019, 10, 425.	1.1	15
72	PHOTONAIâ€”A Python API for rapid machine learning model development. PLoS ONE, 2021, 16, e0254062.	1.1	15

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73	The role ofBDNFmethylation and Val66Met in amygdala reactivity during emotion processing. Human Brain Mapping, 2020, 41, 594-604.	1.9	14
74	Long-Term Neuroanatomical Consequences of Childhood Maltreatment: Reduced Amygdala Inhibition by Medial Prefrontal Cortex. Frontiers in Systems Neuroscience, 2020, 14, 28.	1.2	14
75	Biological sex classification with structural MRI data shows increased misclassification in transgender women. Neuropsychopharmacology, 2020, 45, 1758-1765.	2.8	14
76	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. Science Advances, 2022, 8, eabg9471.	4.7	13
77	Deficiency of the palmitoyl acyltransferase ZDHHC7 impacts brain and behavior of mice in a sex-specific manner. Brain Structure and Function, 2019, 224, 2213-2230.	1.2	12
78	Brain structural connectivity, anhedonia, and phenotypes of major depressive disorder: A structural equation model approach. Human Brain Mapping, 2021, 42, 5063-5074.	1.9	11
79	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biological Psychiatry, 2022, 92, 299-313.	0.7	11
80	Association of disease course and brain structural alterations in major depressive disorder. Depression and Anxiety, 2022, 39, 441-451.	2.0	11
81	Alexithymia is associated with attenuated automatic brain response to facial emotion in clinical depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 65, 194-200.	2.5	10
82	Apolipoprotein E Homozygous Îµ4 Allele Status: A Deteriorating Effect on Visuospatial Working Memory and Global Brain Structure. Frontiers in Neurology, 2019, 10, 552.	1.1	10
83	Brain structural correlates of schizotypal signs and subclinical schizophrenia nuclear symptoms in healthy individuals. Psychological Medicine, 2022, 52, 342-351.	2.7	10
84	Social support and hippocampal volume are negatively associated in adults with previous experience of childhood maltreatment. Journal of Psychiatry and Neuroscience, 2021, 46, E328-E336.	1.4	10
85	The progression of disorder-specific brain pattern expression in schizophrenia over 9 years. NPJ Schizophrenia, 2021, 7, 32.	2.0	10
86	The Course of Disease in Major Depressive Disorder Is Associated With Altered Activity of the Limbic System During Negative Emotion Processing. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 323-332.	1.1	9
87	Association of brain white matter microstructure with cognitive performance in major depressive disorder and healthy controls: a diffusion-tensor imaging study. Molecular Psychiatry, 2022, 27, 1103-1110.	4.1	9
88	Brain structural correlates of alexithymia in patients with major depressive disorder. Journal of Psychiatry and Neuroscience, 2020, 45, 117-124.	1.4	8
89	DLPFC volume is a neural correlate of resilience in healthy high-risk individuals with both childhood maltreatment and familial risk for depression. Psychological Medicine, 2021, , 1-7.	2.7	8
90	Association between stressful life events and grey matter volume in the medial prefrontal cortex: A 2â€year longitudinal study. Human Brain Mapping, 2022, 43, 3577-3584.	1.9	8

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91	No evidence of DISC1-associated morphological changes in the hippocampus, anterior cingulate cortex, or striatum in major depressive disorder cases and healthy controls. Journal of Affective Disorders, 2014, 166, 103-107.	2.0	7
92	Effects of polygenic risk for major mental disorders and cross-disorder on cortical complexity. Psychological Medicine, 2021, , 1-12.	2.7	7
93	Time heals all wounds? A 2-year longitudinal diffusion tensor imaging study in major depressive disorder. Journal of Psychiatry and Neuroscience, 2019, 44, 407-413.	1.4	7
94	Neural processing of emotional facial stimuli in specific phobia: An fMRI study. Depression and Anxiety, 2021, 38, 846-859.	2.0	6
95	Genetic risk for psychiatric illness is associated with the number of hospitalizations of bipolar disorder patients. Journal of Affective Disorders, 2022, 296, 532-540.	2.0	6
96	Interaction of developmental factors and ordinary stressful life events on brain structure in adults. NeuroImage: Clinical, 2021, 30, 102683.	1.4	5
97	The German research consortium for the study of bipolar disorder (BipoLife): a magnetic resonance imaging study protocol. International Journal of Bipolar Disorders, 2021, 9, 37.	0.8	5
98	Diagnosis of bipolar disorders and body mass index predict clustering based on similarities in cortical thicknessâ€"ENIGMA study in 2436 individuals. Bipolar Disorders, 2022, 24, 509-520.	1.1	5
99	White matter fiber microstructure is associated with prior hospitalizations rather than acute symptomatology in major depressive disorder. Psychological Medicine, 2020, , 1-9.	2.7	4
100	Genetic factors influencing a neurobiological substrate for psychiatric disorders. Translational Psychiatry, 2021, 11, 192.	2.4	4
101	Association Between Genetic Risk for Type 2 Diabetes and Structural Brain Connectivity in Major Depressive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 333-340.	1.1	4
102	Novelty seeking is associated with increased body weight and orbitofrontal grey matter volume reduction. Psychoneuroendocrinology, 2021, 126, 105148.	1.3	4
103	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. Lecture Notes in Computer Science, 2017, 10541, 371-378.	1.0	4
104	Structural and functional neural correlates of vigilant and avoidant regulation style. Journal of Affective Disorders, 2019, 258, 96-101.	2.0	3
105	Evidence for a sex-specific contribution of polygenic load for anorexia nervosa to body weight and prefrontal brain structure in nonclinical individuals. Neuropsychopharmacology, 2019, 44, 2212-2219.	2.8	3
106	Changes in brain function during negative emotion processing in the long-term course of depression. British Journal of Psychiatry, 2022, 221, 476-484.	1.7	3
107	Replication of a hippocampus specific effect of the tescalcin regulating variant rs7294919 on gray matter structure. European Neuropsychopharmacology, 2020, 36, 10-17.	0.3	2
108	Apolipoprotein E homozygous Îµ4 allele status: Effects on cortical structure and white matter integrity in a young to mid-age sample. European Neuropsychopharmacology, 2021, 46, 93-104.	0.3	2

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109	Investigating the phenotypic and genetic associations between personality traits and suicidal behavior across major mental health diagnoses. European Archives of Psychiatry and Clinical Neuroscience, 2022, , 1.	1.8	2
110	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
111	Brain functional correlates of emotional face processing in body dysmorphic disorder. Journal of Psychiatric Research, 2022, 147, 103-110.	1.5	0