

# Nils Opel

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

4,009  
citations

136950

32  
h-index

144013

57  
g-index

103  
all docs

103  
docs citations

103  
times ranked

6158  
citing authors

#	ARTICLE	IF	CITATIONS
1	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	4.8	365
2	Prediction of Individual Response to Electroconvulsive Therapy via Machine Learning on Structural Magnetic Resonance Imaging Data. <i>JAMA Psychiatry</i> , 2016, 73, 557.	11.0	257
3	Brain Morphometric Biomarkers Distinguishing Unipolar and Bipolar Depression. <i>JAMA Psychiatry</i> , 2014, 71, 1222.	11.0	226
4	Hippocampal Atrophy in Major Depression: a Function of Childhood Maltreatment Rather than Diagnosis?. <i>Neuropsychopharmacology</i> , 2014, 39, 2723-2731.	5.4	158
5	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.	2.1	144
6	Reward Processing in Unipolar and Bipolar Depression: A Functional MRI Study. <i>Neuropsychopharmacology</i> , 2015, 40, 2623-2631.	5.4	136
7	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47.	11.0	136
8	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.	7.9	127
9	ENIGMA MDD: seven years of global neuroimaging studies of major depression through worldwide data sharing. <i>Translational Psychiatry</i> , 2020, 10, 172.	4.8	121
10	Obesity and major depression: Body-mass index (BMI) is associated with a severe course of disease and specific neurostructural alterations. <i>Psychoneuroendocrinology</i> , 2015, 51, 219-226.	2.7	120
11	Cross-Disorder Analysis of Brain Structural Abnormalities in Six Major Psychiatric Disorders: A Secondary Analysis of Mega- and Meta-analytical Findings From the ENIGMA Consortium. <i>Biological Psychiatry</i> , 2020, 88, 678-686.	1.3	116
12	Mediation of the influence of childhood maltreatment on depression relapse by cortical structure: a 2-year longitudinal observational study. <i>Lancet Psychiatry</i> , 2019, 6, 318-326.	7.4	97
13	Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. <i>Molecular Psychiatry</i> , 2021, 26, 4839-4852.	7.9	76
14	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
15	Association of Serotonin Transporter Gene <i>Alu</i> Methylation with Major Depression, Amygdala Responsiveness, 5-HTTLPR/rs25531 Polymorphism, and Stress. <i>Neuropsychopharmacology</i> , 2018, 43, 1308-1316.	5.4	73
16	Brain Changes Induced by Electroconvulsive Therapy Are Broadly Distributed. <i>Biological Psychiatry</i> , 2020, 87, 451-461.	1.3	72
17	Disadvantage of Social Sensitivity: Interaction of Oxytocin Receptor Genotype and Child Maltreatment on Brain Structure. <i>Biological Psychiatry</i> , 2016, 80, 398-405.	1.3	69
18	The Limbic System in Youth Depression: Brain Structural and Functional Alterations in Adolescent In-patients with Severe Depression. <i>Neuropsychopharmacology</i> , 2018, 43, 546-554.	5.4	67

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19	Subcortical shape alterations in major depressive disorder: Findings from the ENIGMA major depressive disorder working group. <i>Human Brain Mapping</i> , 2022, 43, 341-351.	3.6	64
20	A voxel-based diffusion tensor imaging study in unipolar and bipolar depression. <i>Bipolar Disorders</i> , 2017, 19, 23-31.	1.9	60
21	Association of Brain Cortical Changes With Relapse in Patients With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2018, 75, 484.	11.0	60
22	Systematic misestimation of machine learning performance in neuroimaging studies of depression. <i>Neuropsychopharmacology</i> , 2021, 46, 1510-1517.	5.4	60
23	Interactive impact of childhood maltreatment, depression, and age on cortical brain structure: mega-analytic findings from a large multi-site cohort. <i>Psychological Medicine</i> , 2020, 50, 1020-1031.	4.5	59
24	Are you gonna leave me? Separation anxiety is associated with increased amygdala responsiveness and volume. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 278-284.	3.0	57
25	NCAN Cross-Disorder Risk Variant Is Associated With Limbic Gray Matter Deficits in Healthy Subjects and Major Depression. <i>Neuropsychopharmacology</i> , 2015, 40, 2510-2516.	5.4	56
26	Elevated body-mass index is associated with reduced white matter integrity in two large independent cohorts. <i>Psychoneuroendocrinology</i> , 2018, 91, 179-185.	2.7	55
27	Attachment and social support mediate the association between childhood maltreatment and depressive symptoms. <i>Journal of Affective Disorders</i> , 2020, 273, 310-317.	4.1	54
28	Enhanced neural responsiveness to reward associated with obesity in the absence of food-related stimuli. <i>Human Brain Mapping</i> , 2015, 36, 2330-2337.	3.6	47
29	White matter microstructure mediates the association between physical fitness and cognition in healthy, young adults. <i>Scientific Reports</i> , 2019, 9, 12885.	3.3	47
30	Social anhedonia in major depressive disorder: a symptom-specific neuroimaging approach. <i>Neuropsychopharmacology</i> , 2019, 44, 883-889.	5.4	43
31	In vivo hippocampal subfield volumes in bipolar disorder: A mega-analysis from The Enhancing Neuro Imaging Genetics through Meta-Analysis Bipolar Disorder Working Group. <i>Human Brain Mapping</i> , 2022, 43, 385-398.	3.6	41
32	Sleep duration is associated with white matter microstructure and cognitive performance in healthy adults. <i>Human Brain Mapping</i> , 2020, 41, 4397-4405.	3.6	38
33	Severity of current depression and remission status are associated with structural connectome alterations in major depressive disorder. <i>Molecular Psychiatry</i> , 2020, 25, 1550-1558.	7.9	36
34	Evidence of an IFN- $\gamma$ by early life stress interaction in the regulation of amygdala reactivity to emotional stimuli. <i>Psychoneuroendocrinology</i> , 2015, 62, 166-173.	2.7	33
35	Reduced fractional anisotropy in depressed patients due to childhood maltreatment rather than diagnosis. <i>Neuropsychopharmacology</i> , 2019, 44, 2065-2072.	5.4	30
36	The effects of processing speed on memory impairment in patients with major depressive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 494-500.	4.8	30

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37	Systematic transdiagnostic review of magnetic-resonance imaging results: Depression, anxiety disorders and their co-occurrence. <i>Journal of Psychiatric Research</i> , 2021, 142, 226-239.	3.1	30
38	Brain Correlates of Suicide Attempt in 18,925 Participants Across 18 International Cohorts. <i>Biological Psychiatry</i> , 2021, 90, 243-252.	1.3	29
39	Longitudinal Structural Brain Changes in Bipolar Disorder: A Multicenter Neuroimaging Study of 1232 Individuals by the ENIGMA Bipolar Disorder Working Group. <i>Biological Psychiatry</i> , 2022, 91, 582-592.	1.3	29
40	Large-scale evidence for an association between low-grade peripheral inflammation and brain structural alterations in major depression in the BiDirect study. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, 423-431.	2.4	29
41	Predicting rehospitalization within 2 years of initial patient admission for a major depressive episode: a multimodal machine learning approach. <i>Translational Psychiatry</i> , 2019, 9, 285.	4.8	28
42	Variation of HbA1c affects cognition and white matter microstructure in healthy, young adults. <i>Molecular Psychiatry</i> , 2021, 26, 1399-1408.	7.9	27
43	Influence of electroconvulsive therapy on white matter structure in a diffusion tensor imaging study. <i>Psychological Medicine</i> , 2020, 50, 849-856.	4.5	26
44	Association between body mass index and subcortical brain volumes in bipolar disordersâ€“ENIGMA study in 2735 individuals. <i>Molecular Psychiatry</i> , 2021, 26, 6806-6819.	7.9	24
45	Identification of transdiagnostic psychiatric disorder subtypes using unsupervised learning. <i>Neuropsychopharmacology</i> , 2021, 46, 1895-1905.	5.4	24
46	Prefrontal brain responsiveness to negative stimuli. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 343-352.	2.4	24
47	Genome-wide interaction study with major depression identifies novel variants associated with cognitive function. <i>Molecular Psychiatry</i> , 2022, 27, 1111-1119.	7.9	24
48	The relationship between social cognition and executive function in Major Depressive Disorder in high-functioning adolescents and young adults. <i>Psychiatry Research</i> , 2018, 263, 139-146.	3.3	20
49	Associations of schizophrenia risk genes ZNF804A and CACNA1C with schizotypy and modulation of attention in healthy subjects. <i>Schizophrenia Research</i> , 2019, 208, 67-75.	2.0	20
50	Cortical surface area alterations shaped by genetic load for neuroticism. <i>Molecular Psychiatry</i> , 2020, 25, 3422-3431.	7.9	20
51	Characterisation of age and polarity at onset in bipolar disorder. <i>British Journal of Psychiatry</i> , 2021, 219, 659-669.	2.8	20
52	Childhood maltreatment moderates the influence of genetic load for obesity on reward related brain structure and function in major depression. <i>Psychoneuroendocrinology</i> , 2019, 100, 18-26.	2.7	17
53	Electroconvulsive therapy modulates grey matter increase in a hub of an affect processing network. <i>NeuroImage: Clinical</i> , 2020, 25, 102114.	2.7	17
54	Brain functional effects of electroconvulsive therapy during emotional processing in major depressive disorder. <i>Brain Stimulation</i> , 2020, 13, 1051-1058.	1.6	17

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55	Childhood maltreatment and cognitive functioning: the role of depression, parental education, and polygenic predisposition. <i>Neuropsychopharmacology</i> , 2021, 46, 891-899.	5.4	17
56	PHOTONAI—A Python API for rapid machine learning model development. <i>PLoS ONE</i> , 2021, 16, e0254062.	2.5	15
57	The role ofBDNFmethylation and Val66Met in amygdala reactivity during emotion processing. <i>Human Brain Mapping</i> , 2020, 41, 594-604.	3.6	14
58	Biological sex classification with structural MRI data shows increased misclassification in transgender women. <i>Neuropsychopharmacology</i> , 2020, 45, 1758-1765.	5.4	14
59	K2P18.1 translates T cell receptor signals into thymic regulatory T cell development. <i>Cell Research</i> , 2022, 32, 72-88.	12.0	14
60	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. <i>Science Advances</i> , 2022, 8, eabg9471.	10.3	13
61	Smartphone-Based Self-Reports of Depressive Symptoms Using the Remote Monitoring Application in Psychiatry (ReMAP): Interformat Validation Study. <i>JMIR Mental Health</i> , 2021, 8, e24333.	3.3	11
62	Brain structural connectivity, anhedonia, and phenotypes of major depressive disorder: A structural equation model approach. <i>Human Brain Mapping</i> , 2021, 42, 5063-5074.	3.6	11
63	Apolipoprotein E Homozygous $\epsilon 4$ Allele Status: A Deteriorating Effect on Visuospatial Working Memory and Global Brain Structure. <i>Frontiers in Neurology</i> , 2019, 10, 552.	2.4	10
64	Polygenic risk for schizophrenia and schizotypal traits in non-clinical subjects. <i>Psychological Medicine</i> , 2022, 52, 1069-1079.	4.5	10
65	Social support and hippocampal volume are negatively associated in adults with previous experience of childhood maltreatment. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E328-E336.	2.4	10
66	The Course of Disease in Major Depressive Disorder Is Associated With Altered Activity of the Limbic System During Negative Emotion Processing. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 323-332.	1.5	9
67	Association of brain white matter microstructure with cognitive performance in major depressive disorder and healthy controls: a diffusion-tensor imaging study. <i>Molecular Psychiatry</i> , 2022, 27, 1103-1110.	7.9	9
68	DLPFC volume is a neural correlate of resilience in healthy high-risk individuals with both childhood maltreatment and familial risk for depression. <i>Psychological Medicine</i> , 2021, , 1-7.	4.5	8
69	Technical feasibility and adherence of the Remote Monitoring Application in Psychiatry (ReMAP) for the assessment of affective symptoms. <i>Journal of Affective Disorders</i> , 2021, 294, 652-660.	4.1	8
70	Which traits predict elevated distress during the Covid-19 pandemic? Results from a large, longitudinal cohort study with psychiatric patients and healthy controls. <i>Journal of Affective Disorders</i> , 2022, 297, 18-25.	4.1	8
71	No evidence of DISC1-associated morphological changes in the hippocampus, anterior cingulate cortex, or striatum in major depressive disorder cases and healthy controls. <i>Journal of Affective Disorders</i> , 2014, 166, 103-107.	4.1	7
72	Effects of polygenic risk for major mental disorders and cross-disorder on cortical complexity. <i>Psychological Medicine</i> , 2021, , 1-12.	4.5	7

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73	A genome-wide association study of the longitudinal course of executive functions. <i>Translational Psychiatry</i> , 2021, 11, 386.	4.8	7
74	Time heals all wounds? A 2-year longitudinal diffusion tensor imaging study in major depressive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, 407-413.	2.4	7
75	Neural processing of emotional facial stimuli in specific phobia: An fMRI study. <i>Depression and Anxiety</i> , 2021, 38, 846-859.	4.1	6
76	Repeated Digitized Assessment of Risk and Symptom Profiles During Inpatient Treatment of Affective Disorder: Observational Study. <i>JMIR Mental Health</i> , 2020, 7, e24066.	3.3	6
77	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.	1.9	5
78	White matter fiber microstructure is associated with prior hospitalizations rather than acute symptomatology in major depressive disorder. <i>Psychological Medicine</i> , 2020, , 1-9.	4.5	4
79	Association Between Genetic Risk for Type 2 Diabetes and Structural Brain Connectivity in Major Depressive Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 333-340.	1.5	4
80	Novelty seeking is associated with increased body weight and orbitofrontal grey matter volume reduction. <i>Psychoneuroendocrinology</i> , 2021, 126, 105148.	2.7	4
81	Design and Implementation of an Informatics Infrastructure for Standardized Data Acquisition, Transfer, Storage, and Export in Psychiatric Clinical Routine: Feasibility Study. <i>JMIR Mental Health</i> , 2021, 8, e26681.	3.3	4
82	Elevated body weight modulates subcortical volume change and associated clinical response following electroconvulsive therapy. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E418-E426.	2.4	4
83	Structural and functional neural correlates of vigilant and avoidant regulation style. <i>Journal of Affective Disorders</i> , 2019, 258, 96-101.	4.1	3
84	Evidence for a sex-specific contribution of polygenic load for anorexia nervosa to body weight and prefrontal brain structure in nonclinical individuals. <i>Neuropsychopharmacology</i> , 2019, 44, 2212-2219.	5.4	3
85	Considering the Source of Information in the Evaluation of Maltreatment Experiences. <i>JAMA Psychiatry</i> , 2019, 76, 984.	11.0	3
86	Changes in brain function during negative emotion processing in the long-term course of depression. <i>British Journal of Psychiatry</i> , 2022, 221, 476-484.	2.8	3
87	Replication of a hippocampus specific effect of the tescalcin regulating variant rs7294919 on gray matter structure. <i>European Neuropsychopharmacology</i> , 2020, 36, 10-17.	0.7	2
88	Apolipoprotein E homozygous $\epsilon 4$ allele status: Effects on cortical structure and white matter integrity in a young to mid-age sample. <i>European Neuropsychopharmacology</i> , 2021, 46, 93-104.	0.7	2
89	Investigating the phenotypic and genetic associations between personality traits and suicidal behavior across major mental health diagnoses. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2022, , 1.	3.2	2
90	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

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91	Immunological changes following electroconvulsive therapy in multiple sclerosis. Journal of Psychiatric Research, 2022, 150, 180-183.	3.1	1