Oliver Gruber

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11236269/publications.pdf

Version: 2024-02-01

133 papers	11,240 citations	44069 48 h-index	36028 97 g-index
148 all docs	148 docs citations	148 times ranked	15031 citing authors

#	Article	IF	Citations
1	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
2	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
3	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. Biological Psychiatry, 2018, 84, 644-654.	1.3	627
4	Hippocampal Plasticity in Response to Exercise in Schizophrenia. Archives of General Psychiatry, 2010, 67, 133.	12.3	503
5	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
6	Fear is only as deep as the mind allows. NeuroImage, 2011, 58, 275-285.	4.2	367
7	Genetic variants associated with response to lithium treatment in bipolar disorder: a genome-wide association study. Lancet, The, 2016, 387, 1085-1093.	13.7	306
8	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5154-E5163.	7.1	299
9	The role of the human ventral striatum and the medial orbitofrontal cortex in the representation of reward magnitude â€“ An activation likelihood estimation meta-analysis of neuroimaging studies of passive reward expectancy and outcome processing. Neuropsychologia, 2012, 50, 1252-1266.	1.6	281
10	Functional architecture of verbal and tonal working memory: An FMRI study. Human Brain Mapping, 2009, 30, 859-873.	3.6	273
11	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
12	Grey matter differences in bipolar disorder: a metaâ€analysis of voxelâ€based morphometry studies. Bipolar Disorders, 2012, 14, 135-145.	1.9	243
13	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
14	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431.	14.8	204
15	Schizophrenia as a disorder of disconnectivity. European Archives of Psychiatry and Clinical Neuroscience, 2011, 261, 150-154.	3.2	197
16	Executive control emerging from dynamic interactions between brain systems mediating language, working memory and attentional processes. Acta Psychologica, 2004, 115, 105-121.	1.5	194
17	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
18	The functional neuroanatomy of human working memory revisited. NeuroImage, 2003, 19, 797-809.	4.2	172

#	Article	IF	Citations
19	Assessment of Response to Lithium Maintenance Treatment in Bipolar Disorder: A Consortium on Lithium Genetics (ConLiGen) Report. PLoS ONE, 2013, 8, e65636.	2.5	156
20	Functional neuroimaging of reward processing and decision-making: A review of aberrant motivational and affective processing in addiction and mood disorders. Brain Research Reviews, 2008, 59, 164-184.	9.0	146
21	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. Brain Imaging and Behavior, 2017, 11, 1497-1514.	2.1	144
22	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3â€“90â€‰years. Human Brain Mapping, 2022, 43, 431-451.	3.6	143
23	Dysfunctional long-term potentiation-like plasticity in schizophrenia revealed by transcranial direct current stimulation. Behavioural Brain Research, 2011, 224, 15-22.	2.2	140
24	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. Molecular Psychiatry, 2021, 26, 5124-5139.	7.9	136
25	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	11.0	136
26	The International Consortium on Lithium Genetics (ConLiGen): An Initiative by the NIMH and IGSLI to Study the Genetic Basis of Response to Lithium Treatment. Neuropsychobiology, 2010, 62, 72-78.	1.9	134
27	ENIGMA MDD: seven years of global neuroimaging studies of major depression through worldwide data sharing. Translational Psychiatry, 2020, 10, 172.	4.8	121
28	When Desire Collides with Reason: Functional Interactions between Anteroventral Prefrontal Cortex and Nucleus Accumbens Underlie the Human Ability to Resist Impulsive Desires. Journal of Neuroscience, 2010, 30, 1488-1493.	3.6	120
29	Effects of Domain-specific Interference on Brain Activation Associated with Verbal Working Memory Task Performance. Cerebral Cortex, 2001, 11, 1047-1055.	2.9	117
30	The neural substrate of the ideomotor principle: An event-related fMRI analysis. NeuroImage, 2008, 39, 1274-1288.	4.2	111
31	Disturbed functional connectivity within brain networks subserving domain-specific subcomponents of working memory in schizophrenia: Relation to performance and clinical symptoms. Journal of Psychiatric Research, 2010, 44, 364-372.	3.1	109
32	Impaired long-term depression in schizophrenia: AÂcathodal tDCS pilot study. Brain Stimulation, 2012, 5, 475-483.	1.6	99
33	The role of the cerebellum in schizophrenia: from cognition to molecular pathways. Clinics, 2011, 66, 71-77.	1.5	91
34	Evaluation of cognition, structural, and functional MRI in juvenile myoclonic epilepsy. Epilepsia, 2009, 50, 2456-2465.	5.1	84
35	Functional brain abnormalities in psychiatric disorders: Neural mechanisms to detect and resolve cognitive conflict and interference. Brain Research Reviews, 2008, 59, 96-124.	9.0	79
36	Greater male than female variability in regional brain structure across the lifespan. Human Brain Mapping, 2022, 43, 470-499.	3.6	76

#	Article	IF	Citations
37	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3â€“90â€‰years. Human Brain Mapping, 2022, 43, 452-469.	3.6	72
38	Neurobiological Divergence of the Positive and Negative Schizophrenia Subtypes Identified on a New Factor Structure of Psychopathology Using Non-negative Factorization: An International Machine Learning Study. Biological Psychiatry, 2020, 87, 282-293.	1.3	68
39	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.	1.3	67
40	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.	3.6	67
41	Effects of endurance training on brain structures in chronic schizophrenia patients and healthy controls. Schizophrenia Research, 2016, 173, 182-191.	2.0	64
42	Cognitive impairment of executive function as a core symptom of schizophrenia. World Journal of Biological Psychiatry, 2009, 10, 442-451.	2.6	62
43	The effect of aerobic exercise on cortical architecture in patients with chronic schizophrenia: a randomized controlled MRI study. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 469-473.	3.2	58
44	Pathological amygdala activation during working memory performance: Evidence for a pathophysiological trait marker in bipolar affective disorder. Human Brain Mapping, 2010, 31, 115-125.	3.6	57
45	Disturbed Anterior Prefrontal Control of the Mesolimbic Reward System and Increased Impulsivity in Bipolar Disorder. Neuropsychopharmacology, 2014, 39, 1914-1923.	5.4	56
46	Towards Precision Medicine in Psychosis: Benefits and Challenges of Multimodal Multicenter Studiesâ€"PSYSCAN: Translating Neuroimaging Findings From Research into Clinical Practice. Schizophrenia Bulletin, 2020, 46, 432-441.	4.3	56
47	No change to grey and white matter volumes in bipolar I disorder patients. European Archives of Psychiatry and Clinical Neuroscience, 2008, 258, 345-349.	3.2	54
48	Articulatory rehearsal in verbal working memory: A possible neurocognitive endophenotype that differentiates between schizophrenia and schizoaffective disorder. Neuroscience Letters, 2006, 405, 24-28.	2.1	53
49	Decomposing interference during Stroop performance into different conflict factors: An event-related fMRI study. Cortex, 2009, 45, 189-200.	2.4	53
50	Impulsive personality and the ability to resist immediate reward: An fMRI study examining interindividual differences in the neural mechanisms underlying selfâ€control. Human Brain Mapping, 2012, 33, 2768-2784.	3.6	53
51	Medial Prefrontal Aberrations in Major Depressive Disorder Revealed by Cytoarchitectonically Informed Voxel-Based Morphometry. American Journal of Psychiatry, 2016, 173, 291-298.	7.2	52
52	Differential Patterns of Dysconnectivity in Mirror Neuron and Mentalizing Networks in Schizophrenia. Schizophrenia Bulletin, 2016, 42, 1135-1148.	4.3	51
53	CACNA1C genotype explains interindividual differences in amygdala volume among patients with schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2014, 264, 93-102.	3.2	50
54	Neuroharmony: A new tool for harmonizing volumetric MRI data from unseen scanners. NeuroImage, 2020, 220, 117127.	4.2	48

#	Article	IF	Citations
55	A functional neuroimaging study assessing gender differences in the neural mechanisms underlying the ability to resist impulsive desires. Brain Research, 2012, 1473, 63-77.	2.2	47
56	Oddball and incongruity effects during Stroop task performance: A comparative fMRI study on selective attention. Brain Research, 2006, 1121, 136-149.	2.2	46
57	Gender Differences in Verbal and Visuospatial Working Memory Performance and Networks. Neuropsychobiology, 2016, 73, 52-63.	1.9	46
58	Neuregulin-1 haplotype HAPICE is associated with lower hippocampal volumes in schizophrenic patients and in non-affected family members. Journal of Psychiatric Research, 2008, 43, 1-6.	3.1	44
59	Genetic polymorphisms of 5-HTT and DAT but not COMT differentially affect verbal and visuospatial working memory functioning. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 667-676.	3.2	43
60	Compensatory hyperactivations as markers of latent working memory dysfunctions in patients with obsessive-compulsive disorder: an fMRI study. Journal of Psychiatry and Neuroscience, 2008, 33, 209-15.	2.4	43
61	Multimodal functional and structural imaging investigations in psychosis research. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 97-106.	3.2	42
62	Meta-Analytically Informed Network Analysis of Resting State fMRI Reveals Hyperconnectivity in an Introspective Socio-Affective Network in Depression. PLoS ONE, 2014, 9, e94973.	2.5	42
63	Intrinsic Connectivity Patterns of Task-Defined Brain Networks Allow Individual Prediction of Cognitive Symptom Dimension of Schizophrenia and Are Linked to Molecular Architecture. Biological Psychiatry, 2021, 89, 308-319.	1.3	42
64	Association of the brain-derived neurotrophic factor val66met polymorphism with magnetic resonance spectroscopic markers in the human hippocampus: in vivo evidence for effects on the glutamate system. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 23-31.	3.2	41
65	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.	3.6	41
66	Disruptions in the left frontoparietal network underlie resting state endophenotypic markers in schizophrenia. Human Brain Mapping, 2017, 38, 1741-1750.	3.6	40
67	No Alterations of Brain Structural Asymmetry in Major Depressive Disorder: An ENIGMA Consortium Analysis. American Journal of Psychiatry, 2019, 176, 1039-1049.	7.2	39
68	Different shades of default mode disturbance in schizophrenia: Subnodal covariance estimation in structure and function. Human Brain Mapping, 2018, 39, 644-661.	3.6	38
69	Reduced prefrontal gyrification in obsessiveâ€"compulsive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 455-464.	3.2	37
70	How negative affect influences neural control processes underlying the resolution of cognitive interference: An event-related fMRI study. Neuroscience Research, 2011, 70, 415-427.	1.9	37
71	Magnetic Resonance Imaging in Studying Schizophrenia, Negative Symptoms, and the Glutamate System. Frontiers in Psychiatry, 2014, 5, 32.	2.6	37
72	Disturbed corticoâ€"amygdalar functional connectivity as pathophysiological correlate of working memory deficits in bipolar affective disorder. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 303-311.	3.2	37

#	Article	IF	Citations
73	Hippocampal integrity and neurocognition in first-episode schizophrenia: A multidimensional study. World Journal of Biological Psychiatry, 2014, 15, 188-199.	2.6	36
74	On the integrity of functional brain networks in schizophrenia, Parkinson's disease, and advanced age: Evidence from connectivityâ€based singleâ€subject classification. Human Brain Mapping, 2017, 38, 5845-5858.	3.6	35
75	The power of imagination â€" How anticipatory mental imagery alters perceptual processing of fearful facial expressions. NeuroImage, 2011, 54, 1703-1714.	4.2	33
76	Intranasal Oxytocin Selectively Modulates Large-Scale Brain Networks in Humans. Brain Connectivity, 2017, 7, 454-463.	1.7	31
77	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.	4.8	31
78	Abnormal bihemispheric responses in schizophrenia patients following cathodal transcranial direct stimulation. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 415-423.	3.2	30
79	A gateway system in rostral PFC? Evidence from biasing attention to perceptual information and internal representations. NeuroImage, 2011, 56, 1666-1676.	4.2	29
80	Aims and structure of the German Research Consortium BipoLife for the study of bipolar disorder. International Journal of Bipolar Disorders, 2016, 4, 26.	2.2	29
81	Functional parcellation of human and macaque striatum reveals human-specific connectivity in the dorsal caudate. NeuroImage, 2021, 235, 118006.	4.2	29
82	5-HTTLPR genotype influences amygdala volume. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 212-217.	3.2	28
83	Analysis of the Influence of microRNAs in Lithium Response in Bipolar Disorder. Frontiers in Psychiatry, 2018, 9, 207.	2.6	28
84	The orbitofrontal cortex and its role in the assignment of behavioural significance. Neuropsychologia, 2011, 49, 984-991.	1.6	27
85	Brain mechanisms associated with background monitoring of the environment for potentially significant sensory events. Brain and Cognition, 2009, 69, 559-564.	1.8	26
86	Patients with schizophrenia show deficits of working memory maintenance components in circuit-specific tasks. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 519-525.	3.2	26
87	Brainâ€based ranking of cognitive domains to predict schizophrenia. Human Brain Mapping, 2019, 40, 4487-4507.	3.6	25
88	A neural system for evaluating the behavioural relevance of salient events outside the current focus of attention. Brain Research, 2010, 1351, 212-221.	2.2	24
89	Effects of cannabis and familial loading on subcortical brain volumes in first-episode schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 155-168.	3.2	24
90	Impaired Motor Cortex Responses in Non-Psychotic First-Degree Relatives of Schizophrenia Patients: A Cathodal tDCS Pilot Study. Brain Stimulation, 2013, 6, 821-829.	1.6	23

#	Article	IF	Citations
91	Evidence for a Double Dissociation of Articulatory Rehearsal and Non-Articulatory Maintenance of Phonological Information in Human Verbal Working Memory. Neuropsychobiology, 2012, 65, 133-140.	1.9	22
92	Dissociating pathomechanisms of depression with fMRI: bottom-up or top-down dysfunctions of the reward system. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 57-66.	3.2	22
93	Investigating the Impact of a Genome-Wide Supported Bipolar Risk Variant of MAD1L1 on the Human Reward System. Neuropsychopharmacology, 2016, 41, 2679-2687.	5.4	22
94	Resilience to adversity is associated with increased activity and connectivity in the VTA and hippocampus. NeuroImage: Clinical, 2019, 23, 101920.	2.7	22
95	A systematic experimental neuropsychological investigation of the functional integrity of working memory circuits in major depression. European Archives of Psychiatry and Clinical Neuroscience, 2011, 261, 179-184.	3.2	21
96	Antagonistic modulatory influences of negative affect on cognitive control: Reduced and enhanced interference resolution capability after the induction of fear and sadness. Acta Psychologica, 2012, 139, 507-514.	1.5	21
97	Impact of neuregulin-1 on the pathophysiology of schizophrenia in human post-mortem studies. European Archives of Psychiatry and Clinical Neuroscience, 2008, 258, 35-39.	3.2	20
98	Planum temporale asymmetry to the right hemisphere in first-episode schizophrenia. Psychiatry Research - Neuroimaging, 2011, 193, 56-59.	1.8	19
99	Do Manual and Voxel-Based Morphometry Measure the Same? A Proof of Concept Study. Frontiers in Psychiatry, 2014, 5, 39.	2.6	19
100	Hyperresponsivity and impaired prefrontal control of the mesolimbic reward system in schizophrenia. Journal of Psychiatric Research, 2015, 71, 8-15.	3.1	18
101	An overlapping pattern of cerebral cortical thinning is associated with both positive symptoms and aggression in schizophrenia via the ENIGMA consortium. Psychological Medicine, 2020, 50, 2034-2045.	4.5	18
102	Diagnosis-specific effect of familial loading on verbal working memory in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 309-315.	3.2	17
103	Imbalance in subregional connectivity of the right temporoparietal junction in major depression. Human Brain Mapping, 2016, 37, 2931-2942.	3.6	16
104	Reproducibility in the absence of selective reporting: AnÂillustration from largeâ€scale brain asymmetry research. Human Brain Mapping, 2022, 43, 244-254.	3.6	16
105	Gene expression of glutamate transporters SLC1A1, SLC1A3 and SLC1A6 in the cerebellar subregions of elderly schizophrenia patients and effects of antipsychotic treatment. World Journal of Biological Psychiatry, 2013, 14, 490-499.	2.6	15
106	Functional interactions guiding adaptive processing of behavioral significance. Human Brain Mapping, 2009, 30, 3325-3331.	3.6	14
107	Common and disease-specific dysfunctions of brain systems underlying attentional and executive control in schizophrenia and bipolar disorder. European Archives of Psychiatry and Clinical Neuroscience, 2014, 264, 517-532.	3.2	14
108	Effects of city living on the mesolimbic reward systemâ€"An fmri study. Human Brain Mapping, 2017, 38, 3444-3453.	3.6	14

#	Article	IF	Citations
109	Patterns of schizophrenia symptoms: hidden structure in the PANSS questionnaire. Translational Psychiatry, 2018, 8, 237.	4.8	14
110	Intelligence, educational attainment, and brain structure in those at familial highâ€risk for schizophrenia or bipolar disorder. Human Brain Mapping, 2022, 43, 414-430.	3.6	14
111	Dopamine transporter genotype influencesN-acetyl-aspartate in the left putamen. World Journal of Biological Psychiatry, 2009, 10, 524-530.	2.6	13
112	A high-resolution fMRI approach to characterize functionally distinct neural pathways within dopaminergic midbrain and nucleus accumbens during reward and salience processing. European Neuropsychopharmacology, 2020, 36, 137-150.	0.7	13
113	Neurobiological substrates of the positive formal thought disorder in schizophrenia revealed by seed connectome-based predictive modeling. NeuroImage: Clinical, 2021, 30, 102666.	2.7	13
114	On the role of the anterior prefrontal cortex in cognitive â€˜branchingâ€™: An fMRI study. Neuropsychologia, 2015, 77, 421-429.	1.6	12
115	CREB1Genotype Modulates Adaptive Reward-Based Decisions in Humans. Cerebral Cortex, 2016, 26, 2970-2981.	2.9	12
116	Differential Resting-State Connectivity Patterns of the Right Anterior and Posterior Dorsolateral Prefrontal Cortices (DLPFC) in Schizophrenia. Frontiers in Psychiatry, 2018, 9, 211.	2.6	12
117	SNAP-25 genotype influences NAA/Cho in left hippocampus. Journal of Neural Transmission, 2008, 115, 1513-1518.	2.8	11
118	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biological Psychiatry, 2022, 92, 299-313.	1.3	11
119	Differential working memory performance as support for the Kraepelinian dichotomy between schizophrenia and bipolar disorder? An experimental neuropsychological study using circuit-specific working memory tasks. World Journal of Biological Psychiatry, 2013, 14, 258-267.	2.6	9
120	Influence of ventral tegmental area input on corticoâ€subcortical networks underlying action control and decision making. Human Brain Mapping, 2018, 39, 1004-1014.	3.6	8
121	Dopamine multilocus genetic profiles predict sex differences in reactivity of the human reward system. Brain Structure and Function, 2021, 226, 1099-1114.	2.3	7
122	Dynamic Amygdala Influences on the Fronto-Striatal Brain Mechanisms Involved in Self-Control of Impulsive Desires. Neuropsychobiology, 2015, 72, 37-45.	1.9	6
123	Different neural capacity limitations for articulatory and non-articulatory maintenance of verbal information. Experimental Brain Research, 2014, 232, 619-628.	1.5	5
124	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?. Biological Psychiatry, 2019, 85, e35-e39.	1.3	5
125	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.	2.2	5
126	Dopaminergic modulation of neural correlates of working memory in Parkinsonâ€™s Disease. Basal Ganglia, 2012, 2, 33-39.	0.3	4

#	Article	IF	Citations
127	Interaction of FKBP5 variant rs3800373 and city living alters the neural stress response in the anterior cingulate cortex. Stress, 2021, 24, 1-9.	1.8	4
128	Functional characteristics of control adaptation in intermodal sensory processing. Brain and Cognition, 2015, 96, 43-55.	1.8	3
129	Cortical activation abnormalities in bipolar and schizophrenia patients in a combined oddballâ€“incongruence paradigm. European Archives of Psychiatry and Clinical Neuroscience, 2020, 271, 1487-1499.	3.2	3
130	Dysregulation within the Prefronto-Parietal Background-Monitoring Network in Schizophrenia. Journal of Behavioral and Brain Science, 2016, 06, 364-376.	0.5	2
131	The Neural Implementation of Working Memory. On Thinking, 2009, , 109-122.	0.5	1
132	Reactivity of the Reward System in Artists During Acceptance and Rejection of Monetary Rewards. Creativity Research Journal, 2018, 30, 172-178.	2.6	0
133	ArbeitsgedÃchtnis â€" Bildgebung. , 2008, , 242-251.		0