

David John Lythgoe

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4827199/david-john-lythgoe-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

3,706
citations

34
h-index

59
g-index

124
ext. papers

4,643
ext. citations

4.8
avg, IF

5.05
L-index

#	Paper	IF	Citations
107	Common and distinct neural substrates for pragmatic, semantic, and syntactic processing of spoken sentences: an fMRI study. <i>Journal of Cognitive Neuroscience</i> , 2000 , 12, 321-41	3.1	274
106	Characterization of white matter damage in ischemic leukoaraiosis with diffusion tensor MRI. <i>Stroke</i> , 1999 , 30, 393-7	6.7	242
105	A differential neural response in obsessive-compulsive disorder patients with washing compared with checking symptoms to disgust. <i>Psychological Medicine</i> , 2000 , 30, 1037-50	6.9	194
104	Glutamate dysfunction in people with prodromal symptoms of psychosis: relationship to gray matter volume. <i>Biological Psychiatry</i> , 2009 , 66, 533-9	7.9	185
103	Anterior cingulate glutamate levels related to clinical status following treatment in first-episode schizophrenia. <i>Neuropsychopharmacology</i> , 2012 , 37, 2515-21	8.7	130
102	Altered relationship between hippocampal glutamate levels and striatal dopamine function in subjects at ultra high risk of psychosis. <i>Biological Psychiatry</i> , 2010 , 68, 599-602	7.9	107
101	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. <i>Molecular Autism</i> , 2017 , 8, 24	6.5	106
100	Thalamic glutamate levels as a predictor of cortical response during executive functioning in subjects at high risk for psychosis. <i>Archives of General Psychiatry</i> , 2011 , 68, 881-90		106
99	Instability of default mode network connectivity in major depression: a two-sample confirmation study. <i>Translational Psychiatry</i> , 2017 , 7, e1105	8.6	100
98	Quantitative perfusion imaging in carotid artery stenosis using dynamic susceptibility contrast-enhanced magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2000 , 18, 1-11	3.3	92
97	Frontal GABA levels change during working memory. <i>PLoS ONE</i> , 2012 , 7, e31933	3.7	87
96	Reduced subcortical glutamate/glutamine in adults with autism spectrum disorders: a [1H]MRS study. <i>Translational Psychiatry</i> , 2013 , 3, e279	8.6	85
95	O3.4. DOES CANNABIS INDUCE PSYCHOSIS BY ALTERING GLUTAMATE SIGNALING IN THE STRIATUM?. <i>Schizophrenia Bulletin</i> , 2019 , 45, S166-S167	1.3	78
94	4.3 Functional Magnetic Resonance Spectroscopy in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017 , 43, S5-S5	1.3	78
93	T139. OXYTOCIN ENHANCES NEURAL EFFICIENCY IN INFERRING OTHERS'S SOCIAL EMOTIONS IN PEOPLE AT CLINICAL HIGH RISK FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2020 , 46, S283-S284	1.3	78
92	O6.2. NEUROBIOLOGY OF PSYCHOMETRIC SCHIZOTYPY: INSIGHTS FROM MULTIMODAL IMAGING RESEARCH. <i>Schizophrenia Bulletin</i> , 2018 , 44, S89-S90	1.3	78
91	O3.7. EFFECT OF N-ACETYLCYSTEINE ON BRAIN GLUTAMATE LEVELS AND RESTING PERFUSION IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018 , 44, S81-S82	1.3	78

90	Fronto-striatal glutamatergic compounds in compulsive and impulsive syndromes: a review of magnetic resonance spectroscopy studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 52, 74-88	9	76
89	Association of placental perfusion, as assessed by magnetic resonance imaging and uterine artery Doppler ultrasound, and its relationship to pregnancy outcome. <i>Placenta</i> , 2013 , 34, 885-91	3.4	71
88	Response to initial antipsychotic treatment in first episode psychosis is related to anterior cingulate glutamate levels: a multicentre H-MRS study (OPTiMiSE). <i>Molecular Psychiatry</i> , 2018 , 23, 2145-2155	15.1	70
87	Optimal MRI methods for direct stereotactic targeting of the subthalamic nucleus and globus pallidus. <i>European Radiology</i> , 2011 , 21, 130-6	8	70
86	Mapping of cerebrovascular reactivity using BOLD magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 495-502	3.3	70
85	Relationship between brain glutamate levels and clinical outcome in individuals at ultra high risk of psychosis. <i>Neuropsychopharmacology</i> , 2014 , 39, 2891-9	8.7	69
84	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017 , 8, 27	6.5	69
83	Shifting brain inhibitory balance and connectivity of the prefrontal cortex of adults with autism spectrum disorder. <i>Translational Psychiatry</i> , 2017 , 7, e1137	8.6	59
82	Glutamate/glutamine and neuronal integrity in adults with ADHD: a proton MRS study. <i>Translational Psychiatry</i> , 2014 , 4, e373	8.6	57
81	Altered medial temporal activation related to local glutamate levels in subjects with prodromal signs of psychosis. <i>Biological Psychiatry</i> , 2011 , 69, 97-9	7.9	53
80	Effects of cannabidiol on brain excitation and inhibition systems; a randomised placebo-controlled single dose trial during magnetic resonance spectroscopy in adults with and without autism spectrum disorder. <i>Neuropsychopharmacology</i> , 2019 , 44, 1398-1405	8.7	47
79	Grey matter abnormalities in first-episode schizophrenia and affective psychosis. <i>British Journal of Psychiatry</i> , 2007 , 51, s111-6	5.4	45
78	Preventing visual field deficits from neurosurgery. <i>Neurology</i> , 2014 , 83, 604-11	6.5	44
77	Association of placental T2 relaxation times and uterine artery Doppler ultrasound measures of placental blood flow. <i>Placenta</i> , 2013 , 34, 474-9	3.4	43
76	Altered Connectivity Between Cerebellum, Visual, and Sensory-Motor Networks in Autism Spectrum Disorder: Results from the EU-AIMS Longitudinal European Autism Project. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 260-270	3.4	43
75	Delta-9-tetrahydrocannabinol increases striatal glutamate levels in healthy individuals: implications for psychosis. <i>Molecular Psychiatry</i> , 2020 , 25, 3231-3240	15.1	39
74	Investigating the factors underlying adaptive functioning in autism in the EU-AIMS Longitudinal European Autism Project. <i>Autism Research</i> , 2019 , 12, 645-657	5.1	35
73	Quantitative magnetic resonance spectroscopic imaging in Parkinson's disease, progressive supranuclear palsy and multiple system atrophy. <i>European Journal of Neurology</i> , 2010 , 17, 1193-1202	6	31

72	Fronto-striatal glutamate in children with Tourette's disorder and attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2017 , 13, 16-23	5.3	29
71	Pulsed arterial spin labeling perfusion imaging at 3 T: estimating the number of subjects required in common designs of clinical trials. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 1382-9	3.3	25
70	Insular and occipital changes in visual snow syndrome: a BOLD fMRI and MRS study. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 296-306	5.3	24
69	Cortical GABA in Subjects at Ultra-High Risk of Psychosis: Relationship to Negative Prodromal Symptoms. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 114-119	5.8	24
68	Prefrontal GABA levels, hippocampal resting perfusion and the risk of psychosis. <i>Neuropsychopharmacology</i> , 2018 , 43, 2652-2659	8.7	23
67	Longitudinal in vivo maturational changes of metabolites in the prefrontal cortex of rats exposed to polyinosinic-polycytidylic acid in utero. <i>European Neuropsychopharmacology</i> , 2015 , 25, 2210-20	1.2	23
66	Reduced perfusion in Broca's area in developmental stuttering. <i>Human Brain Mapping</i> , 2017 , 38, 1865-1874	5.4	21
65	Fronto-Striatal Glutamate in Autism Spectrum Disorder and Obsessive Compulsive Disorder. <i>Neuropsychopharmacology</i> , 2017 , 42, 2456-2465	8.7	21
64	Anterior cingulate cortex glutamate and its association with striatal functioning during cognitive control. <i>European Neuropsychopharmacology</i> , 2018 , 28, 381-391	1.2	18
63	N-acetyl aspartate concentration in the anterior cingulate cortex in patients with schizophrenia: a study of clinical and neuropsychological correlates and preliminary exploration of cognitive behaviour therapy effects. <i>Psychiatry Research - Neuroimaging</i> , 2010 , 182, 251-60	2.9	18
62	Effects of cannabidiol (CBD) on brain excitation and inhibition systems in adults with and without Autism Spectrum Disorder (ASD): a single dose trial during magnetic resonance spectroscopy. <i>Translational Psychiatry</i> , 2019 , 9, 313	8.6	18
61	Glutamatergic medication in the treatment of obsessive compulsive disorder (OCD) and autism spectrum disorder (ASD) - study protocol for a randomised controlled trial. <i>Trials</i> , 2016 , 17, 141	2.8	16
60	Effects of N-acetylcysteine on brain glutamate levels and resting perfusion in schizophrenia. <i>Psychopharmacology</i> , 2018 , 235, 3045-3054	4.7	16
59	The response to rapid infusion of fentanyl in the human brain measured using pulsed arterial spin labelling. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012 , 25, 163-75	2.8	15
58	Effects of acute ovarian hormone suppression on the human brain: an in vivo 1H MRS study. <i>Psychoneuroendocrinology</i> , 2007 , 32, 1128-32	5	15
57	Atypical Brain Asymmetry in Autism-A Candidate for Clinically Meaningful Stratification. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 802-812	3.4	14
56	Dopamine and Glutamate in Antipsychotic-Responsive Compared With Antipsychotic-Nonresponsive Psychosis: A Multicenter Positron Emission Tomography and Magnetic Resonance Spectroscopy Study (STRATA). <i>Schizophrenia Bulletin</i> , 2021 , 47, 505-516	1.3	14
55	Neuroanatomical changes in people with high schizotypy: relationship to glutamate levels. <i>Psychological Medicine</i> , 2018 , 48, 1880-1889	6.9	14

54	Altered relationship between prefrontal glutamate and activation during cognitive control in people with high trait anxiety. <i>Cortex</i> , 2019 , 117, 53-63	3.8	13
53	Glutamatergic hypofunction in medication-free major depression: Secondary effects of affective diagnosis and relationship to peripheral glutaminase. <i>Journal of Affective Disorders</i> , 2018 , 234, 214-219	6.6	13
52	Neural processing of criticism and positive comments from relatives in individuals with schizotypal personality traits. <i>World Journal of Biological Psychiatry</i> , 2013 , 14, 57-70	3.8	12
51	In vivo estimation of the flow-driven adiabatic inversion efficiency for continuous arterial spin labeling: a method using phase contrast magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1291-7	4.4	12
50	Hyperperfusion of Frontal White and Subcortical Gray Matter in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2019 , 85, 584-595	7.9	11
49	Resting state cerebral blood flow with arterial spin labeling MRI in developing human brains. <i>European Journal of Paediatric Neurology</i> , 2018 , 22, 642-651	3.8	10
48	Glutamate levels in the anterior cingulate cortex in un-medicated first episode psychosis: a proton magnetic resonance spectroscopy study. <i>Scientific Reports</i> , 2019 , 9, 8685	4.9	10
47	Glutamatergic Agents in the Treatment of Compulsivity and Impulsivity in Child and Adolescent Psychiatry: a Systematic Review of the Literature. <i>Zeitschrift Für Kinder- Und Jugendpsychiatrie Und Psychotherapie</i> , 2018 , 46, 246-263	1.8	10
46	Temporal Profiles of Social Attention Are Different Across Development in Autistic and Neurotypical People. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 813-824	3.4	10
45	Changes in Brain Glutamate on Switching to Clozapine in Treatment-Resistant Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021 , 47, 662-671	1.3	10
44	COMPULS: design of a multicenter phenotypic, cognitive, genetic, and magnetic resonance imaging study in children with compulsive syndromes. <i>BMC Psychiatry</i> , 2016 , 16, 361	4.2	9
43	Adolescent-onset heavy cannabis use associated with significantly reduced glial but not neuronal markers and glutamate levels in the hippocampus. <i>Addiction Biology</i> , 2020 , 25, e12827	4.6	9
42	Functional magnetic resonance spectroscopy in patients with schizophrenia and bipolar affective disorder: Glutamate dynamics in the anterior cingulate cortex during a working memory task. <i>European Neuropsychopharmacology</i> , 2019 , 29, 222-234	1.2	9
41	Striatal structure and its association with N-Acetylaspartate and glutamate in autism spectrum disorder and obsessive compulsive disorder. <i>European Neuropsychopharmacology</i> , 2018 , 28, 118-129	1.2	9
40	Effect of single dose N-acetylcysteine administration on resting state functional connectivity in schizophrenia. <i>Psychopharmacology</i> , 2020 , 237, 443-451	4.7	8
39	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021 , 241, 118430	7.9	8
38	Dissecting the phenotypic heterogeneity in sensory features in autism spectrum disorder: a factor mixture modelling approach. <i>Molecular Autism</i> , 2020 , 11, 67	6.5	7
37	In vivo Glx and Glu measurements from GABA-edited MRS at 3 T. <i>NMR in Biomedicine</i> , 2021 , 34, e4245	4.4	6

36	Distinct associations between fronto-striatal glutamate concentrations and callous-unemotional traits and proactive aggression in disruptive behavior. <i>Cortex</i> , 2019 , 121, 135-146	3.8	5
35	Aggression subtypes relate to distinct resting state functional connectivity in children and adolescents with disruptive behavior. <i>European Child and Adolescent Psychiatry</i> , 2021 , 30, 1237-1249	5.5	5
34	Silent zero TE MR neuroimaging: Current state-of-the-art and future directions. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2021 , 123, 73-93	10.4	5
33	Neurochemical effects of oxytocin in people at clinical high risk for psychosis. <i>European Neuropsychopharmacology</i> , 2019 , 29, 601-615	1.2	4
32	Structural and functional MRI of altered brain development in a novel adolescent rat model of quinpirole-induced compulsive checking behavior. <i>European Neuropsychopharmacology</i> , 2020 , 33, 58-70	1.2	4
31	The effects of callous-unemotional traits and aggression subtypes on amygdala activity in response to negative faces. <i>Psychological Medicine</i> , 2020 , 1-9	6.9	4
30	Neural Correlates of Theory of Mind in Autism Spectrum Disorder, Attention-Deficit/Hyperactivity Disorder, and the Comorbid Condition. <i>Frontiers in Psychiatry</i> , 2020 , 11, 544482	5	4
29	Cannabis use in patients with early psychosis is associated with alterations in putamen and thalamic shape. <i>Human Brain Mapping</i> , 2020 , 41, 4386-4396	5.9	4
28	Daily and intermittent smoking are associated with low prefrontal volume and low concentrations of prefrontal glutamate, creatine, myo-inositol, and N-acetylaspartate. <i>Addiction Biology</i> , 2021 , 26, e12986	4.6	4
27	Developmental changes in fronto-striatal glutamate and their association with functioning during inhibitory control in autism spectrum disorder and obsessive compulsive disorder. <i>NeuroImage: Clinical</i> , 2021 , 30, 102622	5.3	4
26	Multi-modal imaging investigation of anterior cingulate cortex cytoarchitecture in neurodevelopment. <i>European Neuropsychopharmacology</i> , 2018 , 28, 13-23	1.2	4
25	Neural Correlates of Duration Discrimination in Young Adults with Autism Spectrum Disorder, Attention-Deficit/Hyperactivity Disorder and Their Comorbid Presentation. <i>Frontiers in Psychiatry</i> , 2018 , 9, 569	5	4
24	Relationship between depression, prefrontal creatine and grey matter volume. <i>Journal of Psychopharmacology</i> , 2021 , 35, 1464-1472	4.6	3
23	Making use of longitudinal information in pattern recognition. <i>Human Brain Mapping</i> , 2016 , 37, 4385-4404	3.9	3
22	Association between cannabinoid 1 receptor availability and glutamate levels in healthy controls and drug-free patients with first episode psychosis: a multi-modal PET and 1H-MRS study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021 , 271, 677-687	5.1	3
21	GABA receptor modulation of visual sensory processing in adults with and without autism spectrum disorder.. <i>Science Translational Medicine</i> , 2022 , 14, eabg7859	17.5	2
20	Differential sensitivity to the acute psychotomimetic effects of delta-9-tetrahydrocannabinol associated with its differential acute effects on glial function and cortisol. <i>Psychological Medicine</i> , 2020 , 1-8	6.9	2
19	Revealing the mechanisms behind novel auditory stimuli discrimination: An evaluation of silent functional MRI using looping star. <i>Human Brain Mapping</i> , 2021 , 42, 2833-2850	5.9	2

18	Association of cannabis with glutamatergic levels in patients with early psychosis: Evidence for altered volume striatal glutamate relationships in patients with a history of cannabis use in early psychosis. <i>Translational Psychiatry</i> , 2020 , 10, 111	8.6	2
17	Age-related brain deviations and aggression.. <i>Psychological Medicine</i> , 2022 , 1-10	6.9	2
16	P.1.c.007 Fronto-striatal glutamate in compulsive and impulsive syndromes: a review of MR spectroscopy studies. <i>European Neuropsychopharmacology</i> , 2014 , 24, S185	1.2	1
15	Rapid processing and quantitative evaluation of structural brain scans for adaptive multimodal imaging.. <i>Human Brain Mapping</i> , 2021 ,	5.9	1
14	Aggression Subtypes Relate to Distinct Resting State Functional Connectivity in Disruptive Children and Adolescents		1
13	Rapid processing and quantitative evaluation of multicontrast EPI/mix scans for adaptive multimodal imaging		1
12	Relationship Between Depression, Prefrontal Creatine and Gray Matter Volume		1
11	Relationship between cortical glutamatergic metabolite levels and hippocampal activity in schizotypy.. <i>Schizophrenia Research</i> , 2022 , 240, 132-134	3.6	0
10	Imaging Brain Glx Dynamics in Response to Pressure Pain Stimulation: A H-fMRS Study. <i>Frontiers in Psychiatry</i> , 2021 , 12, 681419	5	0
9	Subcortical volume reduction and cortical thinning 3 months after switching to clozapine in treatment resistant schizophrenia.. <i>NPJ Schizophrenia</i> , 2022 , 8, 13	5.5	0
8	Preference for biological motion is reduced in ASD: implications for clinical trials and the search for biomarkers.. <i>Molecular Autism</i> , 2021 , 12, 74	6.5	0
7	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis.. <i>Molecular Autism</i> , 2022 , 13, 22	6.5	0
6	Reply to: Hippocampal Glutamate Levels and Striatal Dopamine D2/3 Receptor Occupancy in Subjects at Ultra High Risk of Psychosis. <i>Biological Psychiatry</i> , 2011 , 70, e3-e4	7.9	
5	Sailing in rough waters: Examining volatility of fMRI noise. <i>Magnetic Resonance Imaging</i> , 2021 , 78, 69-79	3.3	
4	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. <i>Wellcome Open Research</i> , 2021 , 6, 109	4.8	
3	The development of cognitive control in children with autism spectrum disorder or obsessive-compulsive disorder: A longitudinal fMRI study. <i>NeuroImage Reports</i> , 2021 , 1, 100015		
2	The Effects of Acute Δ^9 -Tetrahydrocannabinol on Striatal Glutamatergic Function: A Proton Magnetic Resonance Spectroscopy Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 660-667	3.4	
1	Memantine treatment does not affect compulsive behavior or frontostriatal connectivity in an adolescent rat model for quinpirole-induced compulsive checking behavior.. <i>Psychopharmacology</i> , 2022 , 1	4.7	

