

David John Lythgoe

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4827199/david-john-lythgoe-publications-by-year.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	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
106	Relationship between cortical glutamatergic metabolite levels and hippocampal activity in schizotypy.. <i>Schizophrenia Research</i> , 2022 , 240, 132-134	3.6	0
105	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
104	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	
103	Age-related brain deviations and aggression.. <i>Psychological Medicine</i> , 2022 , 1-10	6.9	2
102	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis.. <i>Molecular Autism</i> , 2022 , 13, 22	6.5	0
101	Rapid processing and quantitative evaluation of structural brain scans for adaptive multimodal imaging.. <i>Human Brain Mapping</i> , 2021 ,	5.9	1
100	Relationship between depression, prefrontal creatine and grey matter volume. <i>Journal of Psychopharmacology</i> , 2021 , 35, 1464-1472	4.6	3
99	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
98	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
97	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
96	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
95	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
94	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
93	Sailing in rough waters: Examining volatility of fMRI noise. <i>Magnetic Resonance Imaging</i> , 2021 , 78, 69-79	3.3	
92	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		
91	The Effects of Acute ΔTetrahydrocannabinol on Striatal Glutamatergic Function: A Proton Magnetic Resonance Spectroscopy Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 660-667	3.4	

90	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
89	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
88	Changes in Brain Glutamate on Switching to Clozapine in Treatment-Resistant Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021 , 47, 662-671	1.3	10
87	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
86	Imaging Brain Glx Dynamics in Response to Pressure Pain Stimulation: A H-fMRS Study. <i>Frontiers in Psychiatry</i> , 2021 , 12, 681419	5	0
85	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021 , 241, 118430	7.9	8
84	In vivo Glx and Glu measurements from GABA-edited MRS at 3 T. <i>NMR in Biomedicine</i> , 2021 , 34, e4245	4.4	6
83	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
82	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
81	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
80	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
79	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
78	Effect of single dose N-acetylcysteine administration on resting state functional connectivity in schizophrenia. <i>Psychopharmacology</i> , 2020 , 237, 443-451	4.7	8
77	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
76	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
75	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
74	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
73	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

72	Delta-9-tetrahydrocannabinol increases striatal glutamate levels in healthy individuals: implications for psychosis. <i>Molecular Psychiatry</i> , 2020 , 25, 3231-3240	15.1	39
71	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
70	O3.4. DOES CANNABIS INDUCE PSYCHOSIS BY ALTERING GLUTAMATE SIGNALING IN THE STRIATUM?. <i>Schizophrenia Bulletin</i> , 2019 , 45, S166-S167	1.3	78
69	Neurochemical effects of oxytocin in people at clinical high risk for psychosis. <i>European Neuropsychopharmacology</i> , 2019 , 29, 601-615	1.2	4
68	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
67	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
66	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
65	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
64	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
63	Effects of cannabidiol (CBDV) 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
62	Hyperperfusion of Frontal White and Subcortical Gray Matter in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2019 , 85, 584-595	7.9	11
61	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
60	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
59	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
58	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
57	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
56	Anterior cingulate cortex glutamate and its association with striatal functioning during cognitive control. <i>European Neuropsychopharmacology</i> , 2018 , 28, 381-391	1.2	18
55	Prefrontal GABA levels, hippocampal resting perfusion and the risk of psychosis. <i>Neuropsychopharmacology</i> , 2018 , 43, 2652-2659	8.7	23

54	Effects of N-acetylcysteine on brain glutamate levels and resting perfusion in schizophrenia. <i>Psychopharmacology</i> , 2018 , 235, 3045-3054	4.7	16
53	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
52	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
51	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
50	Multi-modal imaging investigation of anterior cingulate cortex cytoarchitecture in neurodevelopment. <i>European Neuropsychopharmacology</i> , 2018 , 28, 13-23	1.2	4
49	Neuroanatomical changes in people with high schizotypy: relationship to glutamate levels. <i>Psychological Medicine</i> , 2018 , 48, 1880-1889	6.9	14
48	O6.2. NEUROBIOLOGY OF PSYCHOMETRIC SCHIZOTYPY: INSIGHTS FROM MULTIMODAL IMAGING RESEARCH. <i>Schizophrenia Bulletin</i> , 2018 , 44, S89-S90	1.3	78
47	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
46	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
45	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
44	Instability of default mode network connectivity in major depression: a two-sample confirmation study. <i>Translational Psychiatry</i> , 2017 , 7, e1105	8.6	100
43	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
42	Reduced perfusion in Broca's area in developmental stuttering. <i>Human Brain Mapping</i> , 2017 , 38, 1865-1874	3.4	21
41	4.3 Functional Magnetic Resonance Spectroscopy in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017 , 43, S5-S5	1.3	78
40	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
39	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017 , 8, 27	6.5	69
38	Fronto-Striatal Glutamate in Autism Spectrum Disorder and Obsessive Compulsive Disorder. <i>Neuropsychopharmacology</i> , 2017 , 42, 2456-2465	8.7	21
37	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

36	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
35	Making use of longitudinal information in pattern recognition. <i>Human Brain Mapping</i> , 2016 , 37, 4385-4404	3.9	3
34	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
33	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
32	Preventing visual field deficits from neurosurgery. <i>Neurology</i> , 2014 , 83, 604-11	6.5	44
31	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
30	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
29	Glutamate/glutamine and neuronal integrity in adults with ADHD: a proton MRS study. <i>Translational Psychiatry</i> , 2014 , 4, e373	8.6	57
28	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
27	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
26	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
25	Reduced subcortical glutamate/glutamine in adults with autism spectrum disorders: a ^[1H] MRS study. <i>Translational Psychiatry</i> , 2013 , 3, e279	8.6	85
24	Frontal GABA levels change during working memory. <i>PLoS ONE</i> , 2012 , 7, e31933	3.7	87
23	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
22	Anterior cingulate glutamate levels related to clinical status following treatment in first-episode schizophrenia. <i>Neuropsychopharmacology</i> , 2012 , 37, 2515-21	8.7	130
21	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
20	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	
19	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

18	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
17	Optimal MRI methods for direct stereotactic targeting of the subthalamic nucleus and globus pallidus. <i>European Radiology</i> , 2011 , 21, 130-6	8	70
16	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
15	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
14	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
13	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
12	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
11	Grey matter abnormalities in first-episode schizophrenia and affective psychosis. <i>British Journal of Psychiatry</i> , 2007 , 51, s111-6	5.4	45
10	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
9	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
8	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
7	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
6	Characterization of white matter damage in ischemic leukoaraiosis with diffusion tensor MRI. <i>Stroke</i> , 1999 , 30, 393-7	6.7	242
5	Mapping of cerebrovascular reactivity using BOLD magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 495-502	3.3	70
4	Aggression Subtypes Relate to Distinct Resting State Functional Connectivity in Disruptive Children and Adolescents		1
3	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. <i>Wellcome Open Research</i> , 6 , 109	4.8	
2	Rapid processing and quantitative evaluation of multicontrast EPI mix scans for adaptive multimodal imaging		1
1	Relationship Between Depression, Prefrontal Creatine and Gray Matter Volume		1

