

C John Evans

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5563446/publications.pdf>

Version: 2024-02-01

66
papers

5,870
citations

147566

31
h-index

102304

66
g-index

71
all docs

71
docs citations

71
times ranked

7018
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural correlates of the psychedelic state as determined by fMRI studies with psilocybin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2138-2143.	3.3	789
2	Neural correlates of the LSD experience revealed by multimodal neuroimaging. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4853-4858.	3.3	586
3	Gannet: A batch-processing tool for the quantitative analysis of gamma-aminobutyric acid-edited MR spectroscopy spectra. Journal of Magnetic Resonance Imaging, 2014, 40, 1445-1452.	1.9	487
4	Current practice in the use of MEGA-PRESS spectroscopy for the detection of GABA. NeuroImage, 2014, 86, 43-52.	2.1	448
5	Reduction in Occipital Cortex $\hat{1}^3$ -Aminobutyric Acid Concentrations in Medication-Free Recovered Unipolar Depressed and Bipolar Subjects. Biological Psychiatry, 2007, 61, 806-812.	0.7	274
6	Frequency and phase drift correction of magnetic resonance spectroscopy data by spectral registration in the time domain. Magnetic Resonance in Medicine, 2015, 73, 44-50.	1.9	221
7	Functional Connectivity Measures After Psilocybin Inform a Novel Hypothesis of Early Psychosis. Schizophrenia Bulletin, 2013, 39, 1343-1351.	2.3	211
8	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. JAMA Psychiatry, 2015, 72, 1002.	6.0	156
9	Regionally Specific Human GABA Concentration Correlates with Tactile Discrimination Thresholds. Journal of Neuroscience, 2011, 31, 16556-16560.	1.7	147
10	Low GABA concentrations in occipital cortex and anterior cingulate cortex in medication-free, recovered depressed patients. International Journal of Neuropsychopharmacology, 2008, 11, 255-60.	1.0	140
11	More GABA, less distraction: a neurochemical predictor of motor decision speed. Nature Neuroscience, 2010, 13, 825-827.	7.1	132
12	Individual Differences in Subconscious Motor Control Predicted by GABA Concentration in SMA. Current Biology, 2010, 20, 1779-1785.	1.8	131
13	Targeting the affective brain—a randomized controlled trial of real-time fMRI neurofeedback in patients with depression. Neuropsychopharmacology, 2018, 43, 2578-2585.	2.8	129
14	Dorsolateral Prefrontal $\hat{1}^3$ -Aminobutyric Acid in Men Predicts Individual Differences in Rash Impulsivity. Biological Psychiatry, 2011, 70, 866-872.	0.7	118
15	Individual variability in the shape and amplitude of the BOLD-HRF correlates with endogenous GABAergic inhibition. Human Brain Mapping, 2012, 33, 455-465.	1.9	109
16	Diurnal stability of $\hat{1}^3$ -aminobutyric acid concentration in visual and sensorimotor cortex. Journal of Magnetic Resonance Imaging, 2010, 31, 204-209.	1.9	106
17	Impact of frequency drift on gamma-aminobutyric acid-edited MR spectroscopy. Magnetic Resonance in Medicine, 2014, 72, 941-948.	1.9	100
18	Functional changes in CSF volume estimated using measurement of water T_2 relaxation. Magnetic Resonance in Medicine, 2009, 61, 579-586.	1.9	97

#	ARTICLE	IF	CITATIONS
19	Cingulum White Matter in Young Women at Risk of Depression: The Effect of Family History and Anhedonia. <i>Biological Psychiatry</i> , 2012, 72, 296-302.	0.7	95
20	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. <i>NeuroImage</i> , 2019, 195, 285-299.	2.1	92
21	Schizophrenia-like topological changes in the structural connectome of individuals with subclinical psychotic experiences. <i>Human Brain Mapping</i> , 2015, 36, 2629-2643.	1.9	66
22	Estimating axon conduction velocity in vivo from microstructural MRI. <i>NeuroImage</i> , 2019, 203, 116186.	2.1	60
23	Subtraction artifacts and frequency (Mis)alignment in Δ -difference GABA editing. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 970-975.	1.9	59
24	Three-Dimensional Magnetic Resonance Imaging of the Phakic Crystalline Lens during Accommodation. <i>Investigative Ophthalmology and Visual Science</i> , 2011, 52, 3689.		57
25	Δ -difference editing of gamma-aminobutyric acid (GABA): Simulated and experimental multiplet patterns. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1183-1191.	1.9	56
26	Separating neural and vascular effects of caffeine using simultaneous EEG-fMRI: Differential effects of caffeine on cognitive and sensorimotor brain responses. <i>NeuroImage</i> , 2012, 62, 239-249.	2.1	55
27	Effect of Early Adversity and Childhood Internalizing Symptoms on Brain Structure in Young Men. <i>JAMA Pediatrics</i> , 2015, 169, 938.	3.3	53
28	Improved precision in CHARMED assessment of white matter through sampling scheme optimization and model parsimony testing. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 661-671.	1.9	49
29	Differential effects of citalopram and reboxetine on cortical Glx measured with proton MR spectroscopy. <i>Journal of Psychopharmacology</i> , 2008, 22, 473-476.	2.0	46
30	"Brain MR spectroscopy in autism spectrum disorder" the GABA excitatory/inhibitory imbalance theory revisited. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 365.	1.0	45
31	Mediation of Developmental Risk Factors for Psychosis by White Matter Microstructure in Young Adults With Psychotic Experiences. <i>JAMA Psychiatry</i> , 2016, 73, 396.	6.0	44
32	Fornix white matter glia damage causes hippocampal gray matter damage during age-dependent limbic decline. <i>Scientific Reports</i> , 2019, 9, 1060.	1.6	44
33	Virtual histology of multi-modal magnetic resonance imaging of cerebral cortex in young men. <i>NeuroImage</i> , 2020, 218, 116968.	2.1	37
34	Exploring neural dysfunction in "clinical high risk" for psychosis: A quantitative review of fMRI studies. <i>Journal of Psychiatric Research</i> , 2015, 61, 122-134.	1.5	36
35	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, 1382-1389.	1.0	30
36	Marked Reductions in Visual Evoked Responses But Not $\hat{1}^3$ -Aminobutyric Acid Concentrations or $\hat{1}^3$ -Band Measures in Remitted Depression. <i>Biological Psychiatry</i> , 2013, 73, 691-698.	0.7	30

#	ARTICLE	IF	CITATIONS
37	Comparison of the repeatability of GABA-edited magnetic resonance spectroscopy with and without macromolecule suppression. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 946-953.	1.9	30
38	Edited MRS is sensitive to changes in lactate concentration during inspiratory hypoxia. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 320-325.	1.9	28
39	Measurement of GABA using J-difference edited ¹ H-MRS following modulation of synaptic GABA concentration with tiagabine. <i>Synapse</i> , 2014, 68, 355-362.	0.6	28
40	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	2.1	28
41	Quantification of ¹³ C-aminobutyric acid (GABA) in ¹ H MRS volumes composed heterogeneously of grey and white matter. <i>NMR in Biomedicine</i> , 2016, 29, 1644-1655.	1.6	27
42	Reducing image artefacts in concurrent TMS/fMRI by passive shimming. <i>NeuroImage</i> , 2012, 59, 2167-2174.	2.1	26
43	Requirements for room temperature shimming of the human brain. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 210-214.	1.9	25
44	Neurochemical correlates of scene processing in the precuneus/posterior cingulate cortex: A multimodal fMRI and ¹ H-MRS study. <i>Human Brain Mapping</i> , 2019, 40, 2884-2898.	1.9	24
45	Enhanced Awareness Followed Reversible Inhibition of Human Visual Cortex: A Combined TMS, MRS and MEG Study. <i>PLoS ONE</i> , 2014, 9, e100350.	1.1	23
46	Left inferior-parietal lobe activity in perspective tasks: identity statements. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 360.	1.0	22
47	Sex-specific effects of central adiposity and inflammatory markers on limbic microstructure. <i>NeuroImage</i> , 2019, 189, 793-803.	2.1	22
48	The Superoanterior Fasciculus (SAF): A Novel White Matter Pathway in the Human Brain?. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 24.	0.9	22
49	MICRA: Microstructural image compilation with repeated acquisitions. <i>NeuroImage</i> , 2021, 225, 117406.	2.1	20
50	Functional specialisation in the hippocampus and perirhinal cortex during the encoding of verbal associations. <i>Neuropsychologia</i> , 2011, 49, 2746-2754.	0.7	19
51	Temporal dynamics of lactate concentration in the human brain during acute inspiratory hypoxia. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 739-745.	1.9	18
52	Genetic risk of dementia modifies obesity effects on white matter myelin in cognitively healthy adults. <i>Neurobiology of Aging</i> , 2020, 94, 298-310.	1.5	17
53	Cortical and subcortical functional specificity associated with response inhibition. <i>NeuroImage</i> , 2020, 220, 117110.	2.1	17
54	Structural and neurochemical correlates of individual differences in gamma frequency oscillations in human visual cortex. <i>Journal of Anatomy</i> , 2015, 227, 409-417.	0.9	16

#	ARTICLE	IF	CITATIONS
55	The Relationship between Fearfulness, GABA+, and Fear-Related BOLD Responses in the Insula. PLoS ONE, 2015, 10, e0120101.	1.1	16
56	Volumetric, relaxometric and diffusometric correlates of psychotic experiences in a non-clinical sample of young adults. NeuroImage: Clinical, 2016, 12, 550-558.	1.4	15
57	Normalizing data from GABA-edited MEGA-PRESS implementations at 3 Tesla. Magnetic Resonance Imaging, 2017, 42, 8-15.	1.0	15
58	Functional Neuroanatomy Supporting Judgments of When Events Occurred. Journal of Neuroscience, 2010, 30, 7099-7104.	1.7	12
59	Population neuroimaging: generation of a comprehensive data resource within the ALSPAC pregnancy and birth cohort. Wellcome Open Research, 2020, 5, 203.	0.9	12
60	Assessment of pulmonary artery pulse wave velocity in children: An MRI pilot study. Magnetic Resonance Imaging, 2013, 31, 1690-1694.	1.0	10
61	RAPID: A routine assurance pipeline for imaging of diffusion. Magnetic Resonance in Medicine, 2013, 70, 490-496.	1.9	8
62	APOE- ϵ 4-related differences in left thalamic microstructure in cognitively healthy adults. Scientific Reports, 2020, 10, 19787.	1.6	8
63	Pulmonary arterial response to hypoxia in survivors of chronic lung disease of prematurity. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F309-F313.	1.4	6
64	On the importance of specialized radiofrequency filtering for concurrent TMS/MRI. Journal of Neuroscience Methods, 2012, 210, 202-205.	1.3	5
65	Tryptophan depletion does not lower brain GABA levels in healthy volunteers. Psychopharmacology, 2006, 187, 131-132.	1.5	3
66	Physiological effects of human body imaging with 300 mT/m gradients. Magnetic Resonance in Medicine, 2022, 87, 2512-2520.	1.9	1