Robin Carhart-Harris

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5297330/publications.pdf

Version: 2024-02-01

131 papers	17,610 citations	20817 60 h-index	18130 120 g-index
157 all docs	157 docs citations	157 times ranked	5292 citing authors

#	Article	IF	Citations
1	Psilocybin with psychological support for treatment-resistant depression: an open-label feasibility study. Lancet Psychiatry,the, 2016, 3, 619-627.	7.4	988
2	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.	7.1	789
3	The entropic brain: a theory of conscious states informed by neuroimaging research with psychedelic drugs. Frontiers in Human Neuroscience, 2014, 8, 20.	2.0	673
4	Trial of Psilocybin versus Escitalopram for Depression. New England Journal of Medicine, 2021, 384, 1402-1411.	27.0	643
5	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.	7.1	586
6	Psilocybin with psychological support for treatment-resistant depression: six-month follow-up. Psychopharmacology, 2018, 235, 399-408.	3.1	537
7	REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics. Pharmacological Reviews, 2019, 71, 316-344.	16.0	467
8	The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. Brain, 2010, 133, 1265-1283.	7.6	465
9	Quality of Acute Psychedelic Experience Predicts Therapeutic Efficacy of Psilocybin for Treatment-Resistant Depression. Frontiers in Pharmacology, 2017, 8, 974.	3.5	454
10	Serotonin and brain function: a tale of two receptors. Journal of Psychopharmacology, 2017, 31, 1091-1120.	4.0	440
11	Increased Global Functional Connectivity Correlates with LSD-Induced Ego Dissolution. Current Biology, 2016, 26, 1043-1050.	3.9	371
12	Broadband Cortical Desynchronization Underlies the Human Psychedelic State. Journal of Neuroscience, 2013, 33, 15171-15183.	3.6	364
13	The Therapeutic Potential of Psychedelic Drugs: Past, Present, and Future. Neuropsychopharmacology, 2017, 42, 2105-2113.	5.4	364
14	Psychedelics and the essential importance of context. Journal of Psychopharmacology, 2018, 32, 725-731.	4.0	357
15	Psilocybin for treatment-resistant depression: fMRI-measured brain mechanisms. Scientific Reports, 2017, 7, 13187.	3.3	346
16	Patientsâ€™ Accounts of Increased â€œConnectednessâ€•and â€œAcceptanceâ€•After Psilocybin for Treatment-Resistant Depression. Journal of Humanistic Psychology, 2017, 57, 520-564.	2.1	309
17	Enhanced repertoire of brain dynamical states during the psychedelic experience. Human Brain Mapping, 2014, 35, 5442-5456.	3.6	298
18	The entropic brain - revisited. Neuropharmacology, 2018, 142, 167-178.	4.1	288

#	Article	IF	Citations
19	Increased spontaneous MEG signal diversity for psychoactive doses of ketamine, LSD and psilocybin. Scientific Reports, 2017, 7, 46421.	3.3	266
20	LSDâ€induced entropic brain activity predicts subsequent personality change. Human Brain Mapping, 2016, 37, 3203-3213.	3.6	240
21	Ego-Dissolution and Psychedelics: Validation of the Ego-Dissolution Inventory (EDI). Frontiers in Human Neuroscience, 2016, 10, 269.	2.0	231
22	Predicting Responses to Psychedelics: A Prospective Study. Frontiers in Pharmacology, 2018, 9, 897.	3.5	226
23	A web-based survey on mephedrone. Drug and Alcohol Dependence, 2011, 118, 19-22.	3.2	225
24	The paradoxical psychological effects of lysergic acid diethylamide (LSD). Psychological Medicine, 2016, 46, 1379-1390.	4.5	222
25	Functional Connectivity Measures After Psilocybin Inform a Novel Hypothesis of Early Psychosis. Schizophrenia Bulletin, 2013, 39, 1343-1351.	4.3	211
26	LSD enhances suggestibility in healthy volunteers. Psychopharmacology, 2015, 232, 785-794.	3.1	207
27	Finding the self by losing the self: Neural correlates of ego-dissolution under psilocybin. Human Brain Mapping, 2015, 36, 3137-3153.	3.6	196
28	The effects of psilocybin and MDMA on between-network resting state functional connectivity in healthy volunteers. Frontiers in Human Neuroscience, 2014, 8, 204.	2.0	181
29	Emotional breakthrough and psychedelics: Validation of the Emotional Breakthrough Inventory. Journal of Psychopharmacology, 2019, 33, 1076-1087.	4.0	180
30	Psychedelics, Meditation, and Self-Consciousness. Frontiers in Psychology, 2018, 9, 1475.	2.1	179
31	Increased global integration in the brain after psilocybin therapy for depression. Nature Medicine, 2022, 28, 844-851.	30.7	175
32	Dynamic coupling of whole-brain neuronal and neurotransmitter systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9566-9576.	7.1	173
33	Implications for psychedelic-assisted psychotherapy: functional magnetic resonance imaging study with psilocybin. British Journal of Psychiatry, 2012, 200, 238-244.	2.8	170
34	Psychedelic Psychiatryâ€™s Brave New World. Cell, 2020, 181, 24-28.	28.9	162
35	Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. Current Biology, 2018, 28, 3065-3074.e6.	3.9	159
36	Effects of psilocybin therapy on personality structure. Acta Psychiatrica Scandinavica, 2018, 138, 368-378.	4.5	156

#	Article	IF	Citations
37	Psychedelics, Personality and Political Perspectives. Journal of Psychoactive Drugs, 2017, 49, 182-191.	1.7	155
38	Psychedelics and connectedness. Psychopharmacology, 2018, 235, 547-550.	3.1	154
39	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. NeuroImage, 2019, 199, 127-142.	4.2	152
40	Connectome-harmonic decomposition of human brain activity reveals dynamical repertoire re-organization under LSD. Scientific Reports, 2017, 7, 17661.	3.3	150
41	Neural correlates of the DMT experience assessed with multivariate EEG. Scientific Reports, 2019, 9, 16324.	3.3	144
42	Therapeutic effects of classic serotonergic psychedelics: A systematic review of modernâ€era clinical studies. Acta Psychiatrica Scandinavica, 2021, 143, 101-118.	4.5	137
43	The Effects of Acutely Administered 3,4-Methylenedioxymethamphetamine on Spontaneous Brain Function in Healthy Volunteers Measured with Arterial Spin Labeling and Blood Oxygen Levelâ€“Dependent Resting State Functional Connectivity. Biological Psychiatry, 2015, 78, 554-562.	1.3	136
44	The hidden therapist: evidence for a central role of music in psychedelic therapy. Psychopharmacology, 2018, 235, 505-519.	3.1	131
45	Increased amygdala responses to emotional faces after psilocybin for treatment-resistant depression. Neuropharmacology, 2018, 142, 263-269.	4.1	126
46	DMT Models the Near-Death Experience. Frontiers in Psychology, 2018, 9, 1424.	2.1	122
47	The Current Status of Psychedelics in Psychiatry. JAMA Psychiatry, 2021, 78, 121.	11.0	116
48	LSD enhances the emotional response to music. Psychopharmacology, 2015, 232, 3607-3614.	3.1	115
49	Decreased mental time travel to the past correlates with default-mode network disintegration under lysergic acid diethylamide. Journal of Psychopharmacology, 2016, 30, 344-353.	4.0	113
50	Drug models of schizophrenia. Therapeutic Advances in Psychopharmacology, 2015, 5, 43-58.	2.7	108
51	LSD alters dynamic integration and segregation in the human brain. NeuroImage, 2021, 227, 117653.	4.2	98
52	Increased nature relatedness and decreased authoritarian political views after psilocybin for treatment-resistant depression. Journal of Psychopharmacology, 2018, 32, 811-819.	4.0	97
53	LSD modulates music-induced imagery via changes in parahippocampal connectivity. European Neuropsychopharmacology, 2016, 26, 1099-1109.	0.7	95
54	Psychedelic Communitas: Intersubjective Experience During Psychedelic Group Sessions Predicts Enduring Changes in Psychological Wellbeing and Social Connectedness. Frontiers in Pharmacology, 2021, 12, 623985.	3.5	95

#	Article	IF	Citations
55	Self-blinding citizen science to explore psychedelic microdosing. ELife, 2021, 10, .	6.0	94
56	Therapeutic mechanisms of psilocybin: Changes in amygdala and prefrontal functional connectivity during emotional processing after psilocybin for treatment-resistant depression. Journal of Psychopharmacology, 2020, 34, 167-180.	4.0	92
57	Safety, tolerability, pharmacokinetics, and pharmacodynamics of low dose lysergic acid diethylamide (LSD) in healthy older volunteers. Psychopharmacology, 2020, 237, 841-853.	3.1	83
58	Psychedelics alter metaphysical beliefs. Scientific Reports, 2021, 11, 22166.	3.3	81
59	Therapeutic Alliance and Rapport Modulate Responses to Psilocybin Assisted Therapy for Depression. Frontiers in Pharmacology, 2021, 12, 788155.	3.5	77
60	Positive expectations predict improved mental-health outcomes linked to psychedelic microdosing. Scientific Reports, 2021, 11, 1941.	3.3	76
61	The effect of acutely administered MDMA on subjective and BOLD-fMRI responses to favourite and worst autobiographical memories. International Journal of Neuropsychopharmacology, 2014, 17, 527-540.	2.1	75
62	From Egoism to Ecoism: Psychedelics Increase Nature Relatedness in a State-Mediated and Context-Dependent Manner. International Journal of Environmental Research and Public Health, 2019, 16, 5147.	2.6	75
63	How do psychedelics work?. Current Opinion in Psychiatry, 2019, 32, 16-21.	6.3	73
64	Pivotal mental states. Journal of Psychopharmacology, 2021, 35, 319-352.	4.0	71
65	User perceptions of the benefits and harms of hallucinogenic drug use: A web-based questionnaire study. Journal of Substance Use, 2010, 15, 283-300.	0.7	69
66	Psilocybin with psychological support improves emotional face recognition in treatment-resistant depression. Psychopharmacology, 2018, 235, 459-466.	3.1	62
67	Updating the dynamic framework of thought: Creativity and psychedelics. NeuroImage, 2020, 213, 116726.	4.2	57
68	Psychedelics and the science of self-experience. British Journal of Psychiatry, 2017, 210, 177-179.	2.8	56
69	Consciousness is supported by near-critical slow cortical electrodynamics. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	56
70	Hallucinations Under Psychedelics and in the Schizophrenia Spectrum: An Interdisciplinary and Multiscale Comparison. Schizophrenia Bulletin, 2020, 46, 1396-1408.	4.3	55
71	Post-Psychedelic Reductions in Experiential Avoidance Are Associated With Decreases in Depression Severity and Suicidal Ideation. Frontiers in Psychiatry, 2020, 11, 782.	2.6	54
72	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data. PLoS Computational Biology, 2020, 16, e1008289.	3.2	52

#	Article	IF	Citations
73	Replication and extension of a model predicting response to psilocybin. Psychopharmacology, 2019, 236, 3221-3230.	3.1	49
74	Decreased directed functional connectivity in the psychedelic state. NeuroImage, 2020, 209, 116462.	4.2	49
75	Serotonergic psychedelics LSD & psilocybin increase the fractal dimension of cortical brain activity in spatial and temporal domains. NeuroImage, 2020, 220, 117049.	4.2	49
76	Validation of the Psychological Insight Scale: A new scale to assess psychological insight following a psychedelic experience. Journal of Psychopharmacology, 2022, 36, 31-45.	4.0	46
77	The administration of psilocybin to healthy, hallucinogen-experienced volunteers in a mock-functional magnetic resonance imaging environment: a preliminary investigation of tolerability. Journal of Psychopharmacology, 2011, 25, 1562-1567.	4.0	45
78	Positive effects of psychedelics on depression and wellbeing scores in individuals reporting an eating disorder. Eating and Weight Disorders, 2021, 26, 1265-1270.	2.5	45
79	Psychedelic resting-state neuroimaging: A review and perspective on balancing replication and novel analyses. Neuroscience and Biobehavioral Reviews, 2022, 138, 104689.	6.1	45
80	Waves of the Unconscious: The Neurophysiology ofDreamlikePhenomena and Its Implications for the Psychodynamic Model of the Mind. Neuropsychoanalysis, 2007, 9, 183-211.	0.7	42
81	LSD alters eyesâ€closed functional connectivity within the early visual cortex in a retinotopic fashion. Human Brain Mapping, 2016, 37, 3031-3040.	3.6	42
82	LSD modulates effective connectivity and neural adaptation mechanisms in an auditory oddball paradigm. Neuropharmacology, 2018, 142, 251-262.	4.1	42
83	Common neural signatures of psychedelics: Frequency-specific energy changes and repertoire expansion revealed using connectome-harmonic decomposition. Progress in Brain Research, 2018, 242, 97-120.	1.4	41
84	Does Psychedelic Therapy Have a Transdiagnostic Action and Prophylactic Potential?. Frontiers in Psychiatry, 2021, 12, 661233.	2.6	41
85	A placebo-controlled investigation of synaesthesia-like experiences under LSD. Neuropsychologia, 2016, 88, 28-34.	1.6	40
86	Psychedelics and health behaviour change. Journal of Psychopharmacology, 2022, 36, 12-19.	4.0	40
87	A Qualitative Report on the Subjective Experience of Intravenous Psilocybin Administered in an fMRI Environment. Current Drug Abuse Reviews, 2015, 7, 117-127.	3.4	39
88	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex. NeuroImage, 2022, 256, 119220.	4.2	39
89	Psychiatryâ€™s next top model: cause for a re-think on drug models of psychosis and other psychiatric disorders. Journal of Psychopharmacology, 2013, 27, 771-778.	4.0	37
90	Experienced Drug Users Assess the Relative Harms and Benefits of Drugs: A Web-Based Survey. Journal of Psychoactive Drugs, 2013, 45, 322-328.	1.7	37

#	Article	IF	Citations
91	Natural speech algorithm applied to baseline interview data can predict which patients will respond to psilocybin for treatment-resistant depression. Journal of Affective Disorders, 2018, 230, 84-86.	4.1	37
92	Recreational use of psychedelics is associated with elevated personality trait openness: Exploration of associations with brain serotonin markers. Journal of Psychopharmacology, 2019, 33, 1068-1075.	4.0	37
93	Psychedelics as a treatment for disorders of consciousness. Neuroscience of Consciousness, 2019, 2019, niz003.	2.6	35
94	Study Protocol for â€œPsilocybin as a Treatment for Anorexia Nervosa: A Pilot Studyâ€• Frontiers in Psychiatry, 2021, 12, 735523.	2.6	33
95	The potential synergistic effects between psychedelic administration and nature contact for the improvement of mental health. Health Psychology Open, 2020, 7, 205510292097812.	1.4	32
96	Spectral signatures of serotonergic psychedelics and glutamatergic dissociatives. NeuroImage, 2019, 200, 281-291.	4.2	31
97	DMT alters cortical travelling waves. ELife, 2020, 9, .	6.0	31
98	Serotonin, psychedelics and psychiatry. World Psychiatry, 2018, 17, 358-359.	10.4	30
99	Neural and subjective effects of inhaled N,N-dimethyltryptamine in natural settings. Journal of Psychopharmacology, 2021, 35, 406-420.	4.0	29
100	Psychedelics and psychological flexibility â€“ Results of a prospective web-survey using the Acceptance and Action Questionnaire II. Journal of Contextual Behavioral Science, 2020, 16, 37-44.	2.6	28
101	Can pragmatic research, real-world data and digital technologies aid the development of psychedelic medicine?. Journal of Psychopharmacology, 2022, 36, 6-11.	4.0	28
102	More Realistic Forecasting of Future Life Events After Psilocybin for Treatment-Resistant Depression. Frontiers in Psychology, 2018, 9, 1721.	2.1	26
103	Was it a vision or a waking dream?. Frontiers in Psychology, 2014, 5, 255.	2.1	26
104	Altered Insula Connectivity under MDMA. Neuropsychopharmacology, 2017, 42, 2152-2162.	5.4	25
105	Psilocybin and MDMA reduce costly punishment in the Ultimatum Game. Scientific Reports, 2018, 8, 8236.	3.3	25
106	Semantic activation in LSD: evidence from picture naming. Language, Cognition and Neuroscience, 2016, 31, 1320-1327.	1.2	24
107	Associations between lifetime classic psychedelic use and cardiometabolic diseases. Scientific Reports, 2021, 11, 14427.	3.3	24
108	Spatial Dependencies between Large-Scale Brain Networks. PLoS ONE, 2014, 9, e98500.	2.5	23

#	Article	IF	Citations
109	Relational Processes in Ayahuasca Groups of Palestinians and Israelis. Frontiers in Pharmacology, 2021, 12, 607529.	3.5	23
110	Current and former ecstasy users report different sleep to matched controls: a web-based questionnaire study. Journal of Psychopharmacology, 2009, 23, 249-257.	4.0	21
111	Sustained, Multifaceted Improvements in Mental Well-Being Following Psychedelic Experiences in a Prospective Opportunity Sample. Frontiers in Psychiatry, 2021, 12, 647909.	2.6	21
112	The entropic tongue: Disorganization of natural language under LSD. Consciousness and Cognition, 2021, 87, 103070.	1.5	20
113	Increased sensitivity to strong perturbations in a whole-brain model of LSD. NeuroImage, 2021, 230, 117809.	4.2	20
114	Prefrontal contributions to the stability and variability of thought and conscious experience. Neuropsychopharmacology, 2022, 47, 329-348.	5.4	19
115	Phenomenology and content of the inhaled N, N-dimethyltryptamine (N, N-DMT) experience. Scientific Reports, 2022, 12, .	3.3	19
116	Association Between Lifetime Classic Psychedelic Use and Hypertension in the Past Year. Hypertension, 2021, 77, 1510-1516.	2.7	17
117	Greater than the parts: a review of the information decomposition approach to causal emergence. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	17
118	Acute effects of MDMA on trust, cooperative behaviour and empathy: A double-blind, placebo-controlled experiment. Journal of Psychopharmacology, 2021, 35, 547-555.	4.0	15
119	Self-Medication for Chronic Pain Using Classic Psychedelics: A Qualitative Investigation to Inform Future Research. Frontiers in Psychiatry, 2021, 12, 735427.	2.6	15
120	Equivalent effects of acute tryptophan depletion on REM sleep in ecstasy users and controls. Psychopharmacology, 2009, 206, 187-196.	3.1	14
121	Losing the Self in Near-Death Experiences: The Experience of Ego-Dissolution. Brain Sciences, 2021, 11, 929.	2.3	14
122	Trends in the Top-Cited Articles on Classic Psychedelics. Journal of Psychoactive Drugs, 2021, 53, 283-298.	1.7	13
123	Psychedelic experience dose-dependently modulated by cannabis: results of a prospective online survey. Psychopharmacology, 2022, 239, 1425-1440.	3.1	13
124	Examining Psychedelic-Induced Changes in Social Functioning and Connectedness in a Naturalistic Online Sample Using the Five-Factor Model of Personality. Frontiers in Psychology, 2021, 12, 749788.	2.1	13
125	What it is like to be a bit: an integrated information decomposition account of emergent mental phenomena. Neuroscience of Consciousness, 2021, 2021, niab027.	2.6	13
126	Turn on, Tune in, and Drop out: Predictors of Attrition in a Prospective Observational Cohort Study on Psychedelic Use. Journal of Medical Internet Research, 2021, 23, e25973.	4.3	10

#	Article	IF	Citations
127	Development and application of a highly sensitive LC-MS/MS method for simultaneous quantification of N,N-dimethyltryptamine and two of its metabolites in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2022, 212, 114642.	2.8	9
128	Concerns regarding conclusions made about LSD-treatments (received 25 October 2016). History of Psychiatry, 2017, 28, 257-260.	0.3	8
129	Co-design of Guidance for Patient and Public Involvement in Psychedelic Research. Frontiers in Psychiatry, 2021, 12, 727496.	2.6	8
130	Is the Brainstem Really Sufficient for a Consciousness That Would Have Interested Freud?. Neuropsychoanalysis, 2013, 15, 29-32.	0.7	4
131	Question-based Drug Development for psilocybin â€“ Authors' reply. Lancet Psychiatry,the, 2016, 3, 807.	7.4	1