

Robin Carhart-Harris

List of Publications by Citations

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141
papers

9,424
citations

50
h-index

95
g-index

157
ext. papers

13,255
ext. citations

6.6
avg, IF

7.05
L-index

#	Paper	IF	Citations
141	Psilocybin with psychological support for treatment-resistant depression: an open-label feasibility study. <i>Lancet Psychiatry</i> , 2016 , 3, 619-27	23.3	568
140	Neural correlates of the psychedelic state as determined by fMRI studies with psilocybin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2138-43	11.5	555
139	The entropic brain: a theory of conscious states informed by neuroimaging research with psychedelic drugs. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 20	3.3	409
138	Neural correlates of the LSD experience revealed by multimodal neuroimaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4853-8	11.5	401
137	The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. <i>Brain</i> , 2010 , 133, 1265-83	11.2	351
136	Psilocybin with psychological support for treatment-resistant depression: six-month follow-up. <i>Psychopharmacology</i> , 2018 , 235, 399-408	4.7	266
135	Broadband cortical desynchronization underlies the human psychedelic state. <i>Journal of Neuroscience</i> , 2013 , 33, 15171-83	6.6	258
134	Serotonin and brain function: a tale of two receptors. <i>Journal of Psychopharmacology</i> , 2017 , 31, 1091-1120	4.6	254
133	Quality of Acute Psychedelic Experience Predicts Therapeutic Efficacy of Psilocybin for Treatment-Resistant Depression. <i>Frontiers in Pharmacology</i> , 2017 , 8, 974	5.6	242
132	Increased Global Functional Connectivity Correlates with LSD-Induced Ego Dissolution. <i>Current Biology</i> , 2016 , 26, 1043-50	6.3	237
131	Enhanced repertoire of brain dynamical states during the psychedelic experience. <i>Human Brain Mapping</i> , 2014 , 35, 5442-56	5.9	211
130	A web-based survey on mephedrone. <i>Drug and Alcohol Dependence</i> , 2011 , 118, 19-22	4.9	200
129	The Therapeutic Potential of Psychedelic Drugs: Past, Present, and Future. <i>Neuropsychopharmacology</i> , 2017 , 42, 2105-2113	8.7	199
128	Psilocybin for treatment-resistant depression: fMRI-measured brain mechanisms. <i>Scientific Reports</i> , 2017 , 7, 13187	4.9	192
127	Psychedelics and the essential importance of context. <i>Journal of Psychopharmacology</i> , 2018 , 32, 725-731	4.6	176
126	REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics. <i>Pharmacological Reviews</i> , 2019 , 71, 316-344	22.5	171
125	LSD-induced entropic brain activity predicts subsequent personality change. <i>Human Brain Mapping</i> , 2016 , 37, 3203-13	5.9	163

124	The paradoxical psychological effects of lysergic acid diethylamide (LSD). <i>Psychological Medicine</i> , 2016 , 46, 1379-90	6.9	156
123	Patients' Accounts of Increased Connectedness and Acceptance After Psilocybin for Treatment-Resistant Depression. <i>Journal of Humanistic Psychology</i> , 2017 , 57, 520-564	0.9	154
122	Trial of Psilocybin versus Escitalopram for Depression. <i>New England Journal of Medicine</i> , 2021 , 384, 1402-1411	5.9	152
121	Functional connectivity measures after psilocybin inform a novel hypothesis of early psychosis. <i>Schizophrenia Bulletin</i> , 2013 , 39, 1343-51	1.3	148
120	Increased spontaneous MEG signal diversity for psychoactive doses of ketamine, LSD and psilocybin. <i>Scientific Reports</i> , 2017 , 7, 46421	4.9	146
119	The entropic brain - revisited. <i>Neuropharmacology</i> , 2018 , 142, 167-178	5.5	131
118	Ego-Dissolution and Psychedelics: Validation of the Ego-Dissolution Inventory (EDI). <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 269	3.3	129
117	The effects of psilocybin and MDMA on between-network resting state functional connectivity in healthy volunteers. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 204	3.3	128
116	LSD enhances suggestibility in healthy volunteers. <i>Psychopharmacology</i> , 2015 , 232, 785-94	4.7	127
115	Finding the self by losing the self: Neural correlates of ego-dissolution under psilocybin. <i>Human Brain Mapping</i> , 2015 , 36, 3137-53	5.9	122
114	Implications for psychedelic-assisted psychotherapy: functional magnetic resonance imaging study with psilocybin. <i>British Journal of Psychiatry</i> , 2012 , 200, 238-44	5.4	122
113	Predicting Responses to Psychedelics: A Prospective Study. <i>Frontiers in Pharmacology</i> , 2018 , 9, 897	5.6	104
112	The Effects of Acutely Administered 3,4-Methylenedioxymethamphetamine on Spontaneous Brain Function in Healthy Volunteers Measured with Arterial Spin Labeling and Blood Oxygen Level-Dependent Resting State Functional Connectivity. <i>Biological Psychiatry</i> , 2015 , 78, 554-62	7.9	96
111	Psychedelics, Personality and Political Perspectives. <i>Journal of Psychoactive Drugs</i> , 2017 , 49, 182-191	3.6	94
110	Decreased mental time travel to the past correlates with default-mode network disintegration under lysergic acid diethylamide. <i>Journal of Psychopharmacology</i> , 2016 , 30, 344-53	4.6	93
109	Drug models of schizophrenia. <i>Therapeutic Advances in Psychopharmacology</i> , 2015 , 5, 43-58	4.9	88
108	Effects of psilocybin therapy on personality structure. <i>Acta Psychiatrica Scandinavica</i> , 2018 , 138, 368-378	6.5	85
107	Connectome-harmonic decomposition of human brain activity reveals dynamical repertoire re-organization under LSD. <i>Scientific Reports</i> , 2017 , 7, 17661	4.9	84

106	LSD enhances the emotional response to music. <i>Psychopharmacology</i> , 2015 , 232, 3607-14	4.7	83
105	Psychedelics, Meditation, and Self-Consciousness. <i>Frontiers in Psychology</i> , 2018 , 9, 1475	3.4	81
104	Psychedelics and connectedness. <i>Psychopharmacology</i> , 2018 , 235, 547-550	4.7	80
103	Psychedelic Psychiatry's Brave New World. <i>Cell</i> , 2020 , 181, 24-28	56.2	77
102	The hidden therapist: evidence for a central role of music in psychedelic therapy. <i>Psychopharmacology</i> , 2018 , 235, 505-519	4.7	73
101	Emotional breakthrough and psychedelics: Validation of the Emotional Breakthrough Inventory. <i>Journal of Psychopharmacology</i> , 2019 , 33, 1076-1087	4.6	73
100	Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. <i>Current Biology</i> , 2018 , 28, 3065-3074.e6	6.3	69
99	Dynamic coupling of whole-brain neuronal and neurotransmitter systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9566-9576	11.5	67
98	LSD modulates music-induced imagery via changes in parahippocampal connectivity. <i>European Neuropsychopharmacology</i> , 2016 , 26, 1099-109	1.2	63
97	Neural correlates of the DMT experience assessed with multivariate EEG. <i>Scientific Reports</i> , 2019 , 9, 16324	4.9	63
96	DMT Models the Near-Death Experience. <i>Frontiers in Psychology</i> , 2018 , 9, 1424	3.4	62
95	Increased nature relatedness and decreased authoritarian political views after psilocybin for treatment-resistant depression. <i>Journal of Psychopharmacology</i> , 2018 , 32, 811-819	4.6	61
94	Increased amygdala responses to emotional faces after psilocybin for treatment-resistant depression. <i>Neuropharmacology</i> , 2018 , 142, 263-269	5.5	59
93	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. <i>NeuroImage</i> , 2019 , 199, 127-142	7.9	53
92	The effect of acutely administered MDMA on subjective and BOLD-fMRI responses to favourite and worst autobiographical memories. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 527-40	5.8	50
91	Safety, tolerability, pharmacokinetics, and pharmacodynamics of low dose lysergic acid diethylamide (LSD) in healthy older volunteers. <i>Psychopharmacology</i> , 2020 , 237, 841-853	4.7	42
90	The Current Status of Psychedelics in Psychiatry. <i>JAMA Psychiatry</i> , 2021 , 78, 121-122	14.5	41
89	Therapeutic effects of classic serotonergic psychedelics: A systematic review of modern-era clinical studies. <i>Acta Psychiatrica Scandinavica</i> , 2021 , 143, 101-118	6.5	41

88	User perceptions of the benefits and harms of hallucinogenic drug use: A web-based questionnaire study. <i>Journal of Substance Use</i> , 2010 , 15, 283-300	0.8	37
87	Therapeutic mechanisms of psilocybin: Changes in amygdala and prefrontal functional connectivity during emotional processing after psilocybin for treatment-resistant depression. <i>Journal of Psychopharmacology</i> , 2020 , 34, 167-180	4.6	36
86	Psilocybin with psychological support improves emotional face recognition in treatment-resistant depression. <i>Psychopharmacology</i> , 2018 , 235, 459-466	4.7	35
85	How do psychedelics work?. <i>Current Opinion in Psychiatry</i> , 2019 , 32, 16-21	4.9	35
84	The administration of psilocybin to healthy, hallucinogen-experienced volunteers in a mock-functional magnetic resonance imaging environment: a preliminary investigation of tolerability. <i>Journal of Psychopharmacology</i> , 2011 , 25, 1562-7	4.6	33
83	From Egoism to Ecoism: Psychedelics Increase Nature Relatedness in a State-Mediated and Context-Dependent Manner. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	32
82	LSD alters dynamic integration and segregation in the human brain. <i>NeuroImage</i> , 2021 , 227, 117653	7.9	32
81	Psychiatry's next top model: cause for a re-think on drug models of psychosis and other psychiatric disorders. <i>Journal of Psychopharmacology</i> , 2013 , 27, 771-8	4.6	31
80	Experienced drug users assess the relative harms and benefits of drugs: a web-based survey. <i>Journal of Psychoactive Drugs</i> , 2013 , 45, 322-8	3.6	30
79	A qualitative report on the subjective experience of intravenous psilocybin administered in an fMRI environment. <i>Current Drug Abuse Reviews</i> , 2014 , 7, 117-27		30
78	Psychedelic Communitas: Intersubjective Experience During Psychedelic Group Sessions Predicts Enduring Changes in Psychological Wellbeing and Social Connectedness. <i>Frontiers in Pharmacology</i> , 2021 , 12, 623985	5.6	30
77	Post-Psychedelic Reductions in Experiential Avoidance Are Associated With Decreases in Depression Severity and Suicidal Ideation. <i>Frontiers in Psychiatry</i> , 2020 , 11, 782	5	29
76	LSD alters eyes-closed functional connectivity within the early visual cortex in a retinotopic fashion. <i>Human Brain Mapping</i> , 2016 , 37, 3031-40	5.9	29
75	A placebo-controlled investigation of synaesthesia-like experiences under LSD. <i>Neuropsychologia</i> , 2016 , 88, 28-34	3.2	29
74	Waves of the Unconscious: The Neurophysiology of Dreamlike Phenomena and Its Implications for the Psychodynamic Model of the Mind. <i>Neuropsychoanalysis</i> , 2007 , 9, 183-211	0.8	28
73	Updating the dynamic framework of thought: Creativity and psychedelics. <i>NeuroImage</i> , 2020 , 213, 1167269		27
72	Self-blinding citizen science to explore psychedelic microdosing. <i>ELife</i> , 2021 , 10,	8.9	26
71	Pivotal mental states. <i>Journal of Psychopharmacology</i> , 2021 , 35, 319-352	4.6	26

70	Decreased directed functional connectivity in the psychedelic state. <i>NeuroImage</i> , 2020 , 209, 116462	7.9	25
69	Serotonergic psychedelics LSD & psilocybin increase the fractal dimension of cortical brain activity in spatial and temporal domains. <i>NeuroImage</i> , 2020 , 220, 117049	7.9	22
68	Positive expectations predict improved mental-health outcomes linked to psychedelic microdosing. <i>Scientific Reports</i> , 2021 , 11, 1941	4.9	22
67	LSD modulates effective connectivity and neural adaptation mechanisms in an auditory oddball paradigm. <i>Neuropharmacology</i> , 2018 , 142, 251-262	5.5	22
66	Spectral signatures of serotonergic psychedelics and glutamatergic dissociatives. <i>NeuroImage</i> , 2019 , 200, 281-291	7.9	21
65	Replication and extension of a model predicting response to psilocybin. <i>Psychopharmacology</i> , 2019 , 236, 3221-3230	4.7	20
64	Was it a vision or a waking dream?. <i>Frontiers in Psychology</i> , 2014 , 5, 255	3.4	20
63	Hallucinations Under Psychedelics and in the Schizophrenia Spectrum: An Interdisciplinary and Multiscale Comparison. <i>Schizophrenia Bulletin</i> , 2020 , 46, 1396-1408	1.3	20
62	Positive effects of psychedelics on depression and wellbeing scores in individuals reporting an eating disorder. <i>Eating and Weight Disorders</i> , 2021 , 26, 1265-1270	3.6	20
61	Common neural signatures of psychedelics: Frequency-specific energy changes and repertoire expansion revealed using connectome-harmonic decomposition. <i>Progress in Brain Research</i> , 2018 , 242, 97-120	2.9	20
60	Serotonin, psychedelics and psychiatry. <i>World Psychiatry</i> , 2018 , 17, 358-359	14.4	20
59	Psychedelics as a treatment for disorders of consciousness. <i>Neuroscience of Consciousness</i> , 2019 , 2019, niz003	3.3	19
58	Recreational use of psychedelics is associated with elevated personality trait openness: Exploration of associations with brain serotonin markers. <i>Journal of Psychopharmacology</i> , 2019 , 33, 1068-1075	4.6	19
57	Altered Insula Connectivity under MDMA. <i>Neuropsychopharmacology</i> , 2017 , 42, 2152-2162	8.7	18
56	Semantic activation in LSD: evidence from picture naming. <i>Language, Cognition and Neuroscience</i> , 2016 , 31, 1320-1327	2.4	18
55	A mechanistic model of the neural entropy increase elicited by psychedelic drugs. <i>Scientific Reports</i> , 2020 , 10, 17725	4.9	18
54	Psilocybin and MDMA reduce costly punishment in the Ultimatum Game. <i>Scientific Reports</i> , 2018 , 8, 8236	4.9	18
53	Current and former ecstasy users report different sleep to matched controls: a web-based questionnaire study. <i>Journal of Psychopharmacology</i> , 2009 , 23, 249-57	4.6	17

52	Natural speech algorithm applied to baseline interview data can predict which patients will respond to psilocybin for treatment-resistant depression. <i>Journal of Affective Disorders</i> , 2018 , 230, 84-86	6.6	16
51	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data. <i>PLoS Computational Biology</i> , 2020 , 16, e1008289	5	16
50	More Realistic Forecasting of Future Life Events After Psilocybin for Treatment-Resistant Depression. <i>Frontiers in Psychology</i> , 2018 , 9, 1721	3.4	16
49	Spatial dependencies between large-scale brain networks. <i>PLoS ONE</i> , 2014 , 9, e98500	3.7	15
48	DMT alters cortical travelling waves. <i>ELife</i> , 2020 , 9,	8.9	13
47	The entropic tongue: Disorganization of natural language under LSD. <i>Consciousness and Cognition</i> , 2021 , 87, 103070	2.6	13
46	Equivalent effects of acute tryptophan depletion on REM sleep in ecstasy users and controls. <i>Psychopharmacology</i> , 2009 , 206, 187-96	4.7	12
45	A Synergistic Workspace for Human Consciousness Revealed by Integrated Information Decomposition		12
44	Can pragmatic research, real-world data and digital technologies aid the development of psychedelic medicine?. <i>Journal of Psychopharmacology</i> , 2021 , 2698811211008567	4.6	12
43	Psychedelics and psychological flexibility [Results of a prospective web-survey using the Acceptance and Action Questionnaire II. <i>Journal of Contextual Behavioral Science</i> , 2020 , 16, 37-44	4.4	11
42	Psychedelics alter metaphysical beliefs. <i>Scientific Reports</i> , 2021 , 11, 22166	4.9	11
41	The potential synergistic effects between psychedelic administration and nature contact for the improvement of mental health. <i>Health Psychology Open</i> , 2020 , 7, 2055102920978123	1.9	11
40	Psychedelics and health behaviour change. <i>Journal of Psychopharmacology</i> , 2021 , 2698811211008554	4.6	10
39	Does Psychedelic Therapy Have a Transdiagnostic Action and Prophylactic Potential?. <i>Frontiers in Psychiatry</i> , 2021 , 12, 661233	5	10
38	Effects of external stimulation on psychedelic state neurodynamics		9
37	Increased global integration in the brain after psilocybin therapy for depression.. <i>Nature Medicine</i> , 2022 ,	50.5	9
36	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex		8
35	Validation of the Psychological Insight Scale: A new scale to assess psychological insight following a psychedelic experience.. <i>Journal of Psychopharmacology</i> , 2022 , 2698811211066709	4.6	7

34	Relational Processes in Ayahuasca Groups of Palestinians and Israelis. <i>Frontiers in Pharmacology</i> , 2021 , 12, 607529	5.6	7
33	Associations between lifetime classic psychedelic use and cardiometabolic diseases. <i>Scientific Reports</i> , 2021 , 11, 14427	4.9	7
32	Neural and subjective effects of inhaled N,N-dimethyltryptamine in natural settings. <i>Journal of Psychopharmacology</i> , 2021 , 35, 406-420	4.6	7
31	Therapeutic Alliance and Rapport Modulate Responses to Psilocybin Assisted Therapy for Depression.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 788155	5.6	7
30	LSD flattens the brain's energy landscape: evidence from receptor-informed network control theory		6
29	Acute effects of MDMA on trust, cooperative behaviour and empathy: A double-blind, placebo-controlled experiment. <i>Journal of Psychopharmacology</i> , 2021 , 35, 547-555	4.6	6
28	Concerns regarding conclusions made about LSD-treatments (received 25 October 2016). <i>History of Psychiatry</i> , 2017 , 28, 257-260	0.6	5
27	Study Protocol for "Psilocybin as a Treatment for Anorexia Nervosa: A Pilot Study". <i>Frontiers in Psychiatry</i> , 2021 , 12, 735523	5	5
26	Trends in the Top-Cited Articles on Classic Psychedelics. <i>Journal of Psychoactive Drugs</i> , 2021 , 53, 283-298	3.6	5
25	A mechanistic model of the neural entropy increase elicited by psychedelic drugs		4
24	Altered trajectories in the dynamical repertoire of functional network states under psilocybin		4
23	Increased sensitivity to strong perturbations in a whole-brain model of LSD. <i>NeuroImage</i> , 2021 , 230, 117809	7.9	4
22	Association Between Lifetime Classic Psychedelic Use and Hypertension in the Past Year. <i>Hypertension</i> , 2021 , 77, 1510-1516	8.5	4
21	Is the Brainstem Really Sufficient for a Consciousness That Would Have Interested Freud?. <i>Neuropsychoanalysis</i> , 2013 , 15, 29-32	0.8	3
20	Consciousness is supported by near-critical slow cortical electrodynamics.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	3
19	Effects of LSD on music-evoked brain activity		3
18	Sustained, Multifaceted Improvements in Mental Well-Being Following Psychedelic Experiences in a Prospective Opportunity Sample. <i>Frontiers in Psychiatry</i> , 2021 , 12, 647909	5	3
17	Losing the Self in Near-Death Experiences: The Experience of Ego-Dissolution. <i>Brain Sciences</i> , 2021 , 11,	3.4	3

16	Co-design of Guidance for Patient and Public Involvement in Psychedelic Research. <i>Frontiers in Psychiatry</i> , 2021 , 12, 727496	5	3
15	Prefrontal contributions to the stability and variability of thought and conscious experience. <i>Neuropsychopharmacology</i> , 2022 , 47, 329-348	8.7	3
14	Psychedelic Resting-state Neuroimaging: A Review and Perspective on Balancing Replication and Novel Analyses.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 104689	9	3
13	Psychedelic experience dose-dependently modulated by cannabis: results of a prospective online survey. <i>Psychopharmacology</i> , 2021 , 1	4.7	2
12	Self-Medication for Chronic Pain Using Classic Psychedelics: A Qualitative Investigation to Inform Future Research. <i>Frontiers in Psychiatry</i> , 2021 , 12, 735427	5	2
11	DMT alters cortical travelling waves		2
10	Neural and subjective effects of inhaled DMT in natural settings		2
9	Turn on, Tune in, and Drop out: Predictors of Attrition in a Prospective Observational Cohort Study on Psychedelic Use. <i>Journal of Medical Internet Research</i> , 2021 , 23, e25973	7.6	2
8	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex.. <i>NeuroImage</i> , 2022 , 119220	7.9	2
7	Psychedelics and schizophrenia: Distinct alterations to Bayesian inference		1
6	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.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 212, 114642	3.5	1
5	Examining Psychedelic-Induced Changes in Social Functioning and Connectedness in a Naturalistic Online Sample Using the Five-Factor Model of Personality.. <i>Frontiers in Psychology</i> , 2021 , 12, 749788	3.4	1
4	Decreased Directed Functional Connectivity in the Psychedelic State		1
3	Neural correlates of the DMT experience as assessed via multivariate EEG		1
2	Question-based Drug Development for psilocybin - Authors' reply. <i>Lancet Psychiatry</i> , 2016 , 3, 807	23.3	1
1	What it is like to be a bit: an integrated information decomposition account of emergent mental phenomena. <i>Neuroscience of Consciousness</i> , 2021 , 2021, niab027	3.3	0