

Robin Carhart-Harris

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

17,610
citations

23879

60
h-index

20625

120
g-index

157
all docs

157
docs citations

157
times ranked

5854
citing authors

#	ARTICLE	IF	CITATIONS
1	Psilocybin with psychological support for treatment-resistant depression: an open-label feasibility study. <i>Lancet Psychiatry</i> , 2016, 3, 619-627.	3.7	988
2	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, 2138-2143.	3.3	789
3	The entropic brain: a theory of conscious states informed by neuroimaging research with psychedelic drugs. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 20.	1.0	673
4	Trial of Psilocybin versus Escitalopram for Depression. <i>New England Journal of Medicine</i> , 2021, 384, 1402-1411.	13.9	643
5	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, 4853-4858.	3.3	586
6	Psilocybin with psychological support for treatment-resistant depression: six-month follow-up. <i>Psychopharmacology</i> , 2018, 235, 399-408.	1.5	537
7	REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics. <i>Pharmacological Reviews</i> , 2019, 71, 316-344.	7.1	467
8	The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. <i>Brain</i> , 2010, 133, 1265-1283.	3.7	465
9	Quality of Acute Psychedelic Experience Predicts Therapeutic Efficacy of Psilocybin for Treatment-Resistant Depression. <i>Frontiers in Pharmacology</i> , 2017, 8, 974.	1.6	454
10	Serotonin and brain function: a tale of two receptors. <i>Journal of Psychopharmacology</i> , 2017, 31, 1091-1120.	2.0	440
11	Increased Global Functional Connectivity Correlates with LSD-Induced Ego Dissolution. <i>Current Biology</i> , 2016, 26, 1043-1050.	1.8	371
12	Broadband Cortical Desynchronization Underlies the Human Psychedelic State. <i>Journal of Neuroscience</i> , 2013, 33, 15171-15183.	1.7	364
13	The Therapeutic Potential of Psychedelic Drugs: Past, Present, and Future. <i>Neuropsychopharmacology</i> , 2017, 42, 2105-2113.	2.8	364
14	Psychedelics and the essential importance of context. <i>Journal of Psychopharmacology</i> , 2018, 32, 725-731.	2.0	357
15	Psilocybin for treatment-resistant depression: fMRI-measured brain mechanisms. <i>Scientific Reports</i> , 2017, 7, 13187.	1.6	346
16	Patients' Accounts of Increased "Connectedness" and "Acceptance" After Psilocybin for Treatment-Resistant Depression. <i>Journal of Humanistic Psychology</i> , 2017, 57, 520-564.	1.4	309
17	Enhanced repertoire of brain dynamical states during the psychedelic experience. <i>Human Brain Mapping</i> , 2014, 35, 5442-5456.	1.9	298
18	The entropic brain - revisited. <i>Neuropharmacology</i> , 2018, 142, 167-178.	2.0	288

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19	Increased spontaneous MEG signal diversity for psychoactive doses of ketamine, LSD and psilocybin. <i>Scientific Reports</i> , 2017, 7, 46421.	1.6	266
20	LSD-induced entropic brain activity predicts subsequent personality change. <i>Human Brain Mapping</i> , 2016, 37, 3203-3213.	1.9	240
21	Ego-Dissolution and Psychedelics: Validation of the Ego-Dissolution Inventory (EDI). <i>Frontiers in Human Neuroscience</i> , 2016, 10, 269.	1.0	231
22	Predicting Responses to Psychedelics: A Prospective Study. <i>Frontiers in Pharmacology</i> , 2018, 9, 897.	1.6	226
23	A web-based survey on mephedrone. <i>Drug and Alcohol Dependence</i> , 2011, 118, 19-22.	1.6	225
24	The paradoxical psychological effects of lysergic acid diethylamide (LSD). <i>Psychological Medicine</i> , 2016, 46, 1379-1390.	2.7	222
25	Functional Connectivity Measures After Psilocybin Inform a Novel Hypothesis of Early Psychosis. <i>Schizophrenia Bulletin</i> , 2013, 39, 1343-1351.	2.3	211
26	LSD enhances suggestibility in healthy volunteers. <i>Psychopharmacology</i> , 2015, 232, 785-794.	1.5	207
27	Finding the self by losing the self: Neural correlates of ego-dissolution under psilocybin. <i>Human Brain Mapping</i> , 2015, 36, 3137-3153.	1.9	196
28	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.	1.0	181
29	Emotional breakthrough and psychedelics: Validation of the Emotional Breakthrough Inventory. <i>Journal of Psychopharmacology</i> , 2019, 33, 1076-1087.	2.0	180
30	Psychedelics, Meditation, and Self-Consciousness. <i>Frontiers in Psychology</i> , 2018, 9, 1475.	1.1	179
31	Increased global integration in the brain after psilocybin therapy for depression. <i>Nature Medicine</i> , 2022, 28, 844-851.	15.2	175
32	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.	3.3	173
33	Implications for psychedelic-assisted psychotherapy: functional magnetic resonance imaging study with psilocybin. <i>British Journal of Psychiatry</i> , 2012, 200, 238-244.	1.7	170
34	Psychedelic Psychiatry's Brave New World. <i>Cell</i> , 2020, 181, 24-28.	13.5	162
35	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.	1.8	159
36	Effects of psilocybin therapy on personality structure. <i>Acta Psychiatrica Scandinavica</i> , 2018, 138, 368-378.	2.2	156

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37	Psychedelics, Personality and Political Perspectives. <i>Journal of Psychoactive Drugs</i> , 2017, 49, 182-191.	1.0	155
38	Psychedelics and connectedness. <i>Psychopharmacology</i> , 2018, 235, 547-550.	1.5	154
39	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. <i>NeuroImage</i> , 2019, 199, 127-142.	2.1	152
40	Connectome-harmonic decomposition of human brain activity reveals dynamical repertoire re-organization under LSD. <i>Scientific Reports</i> , 2017, 7, 17661.	1.6	150
41	Neural correlates of the DMT experience assessed with multivariate EEG. <i>Scientific Reports</i> , 2019, 9, 16324.	1.6	144
42	Therapeutic effects of classic serotonergic psychedelics: A systematic review of modern-era clinical studies. <i>Acta Psychiatrica Scandinavica</i> , 2021, 143, 101-118.	2.2	137
43	The Effects of Acutely Administered 3,4-Methylenedioxyamphetamine 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, 554-562.	0.7	136
44	The hidden therapist: evidence for a central role of music in psychedelic therapy. <i>Psychopharmacology</i> , 2018, 235, 505-519.	1.5	131
45	Increased amygdala responses to emotional faces after psilocybin for treatment-resistant depression. <i>Neuropharmacology</i> , 2018, 142, 263-269.	2.0	126
46	DMT Models the Near-Death Experience. <i>Frontiers in Psychology</i> , 2018, 9, 1424.	1.1	122
47	The Current Status of Psychedelics in Psychiatry. <i>JAMA Psychiatry</i> , 2021, 78, 121.	6.0	116
48	LSD enhances the emotional response to music. <i>Psychopharmacology</i> , 2015, 232, 3607-3614.	1.5	115
49	Decreased mental time travel to the past correlates with default-mode network disintegration under lysergic acid diethylamide. <i>Journal of Psychopharmacology</i> , 2016, 30, 344-353.	2.0	113
50	Drug models of schizophrenia. <i>Therapeutic Advances in Psychopharmacology</i> , 2015, 5, 43-58.	1.2	108
51	LSD alters dynamic integration and segregation in the human brain. <i>NeuroImage</i> , 2021, 227, 117653.	2.1	98
52	Increased nature relatedness and decreased authoritarian political views after psilocybin for treatment-resistant depression. <i>Journal of Psychopharmacology</i> , 2018, 32, 811-819.	2.0	97
53	LSD modulates music-induced imagery via changes in parahippocampal connectivity. <i>European Neuropsychopharmacology</i> , 2016, 26, 1099-1109.	0.3	95
54	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.	1.6	95

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55	Self-blinding citizen science to explore psychedelic microdosing. <i>ELife</i> , 2021, 10, .	2.8	94
56	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.	2.0	92
57	Safety, tolerability, pharmacokinetics, and pharmacodynamics of low dose lysergic acid diethylamide (LSD) in healthy older volunteers. <i>Psychopharmacology</i> , 2020, 237, 841-853.	1.5	83
58	Psychedelics alter metaphysical beliefs. <i>Scientific Reports</i> , 2021, 11, 22166.	1.6	81
59	Therapeutic Alliance and Rapport Modulate Responses to Psilocybin Assisted Therapy for Depression. <i>Frontiers in Pharmacology</i> , 2021, 12, 788155.	1.6	77
60	Positive expectations predict improved mental-health outcomes linked to psychedelic microdosing. <i>Scientific Reports</i> , 2021, 11, 1941.	1.6	76
61	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, 527-540.	1.0	75
62	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, 5147.	1.2	75
63	How do psychedelics work?. <i>Current Opinion in Psychiatry</i> , 2019, 32, 16-21.	3.1	73
64	Pivotal mental states. <i>Journal of Psychopharmacology</i> , 2021, 35, 319-352.	2.0	71
65	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.	0.3	69
66	Psilocybin with psychological support improves emotional face recognition in treatment-resistant depression. <i>Psychopharmacology</i> , 2018, 235, 459-466.	1.5	62
67	Updating the dynamic framework of thought: Creativity and psychedelics. <i>NeuroImage</i> , 2020, 213, 116726.	2.1	57
68	Psychedelics and the science of self-experience. <i>British Journal of Psychiatry</i> , 2017, 210, 177-179.	1.7	56
69	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, .	3.3	56
70	Hallucinations Under Psychedelics and in the Schizophrenia Spectrum: An Interdisciplinary and Multiscale Comparison. <i>Schizophrenia Bulletin</i> , 2020, 46, 1396-1408.	2.3	55
71	Post-Psychedelic Reductions in Experiential Avoidance Are Associated With Decreases in Depression Severity and Suicidal Ideation. <i>Frontiers in Psychiatry</i> , 2020, 11, 782.	1.3	54
72	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data. <i>PLoS Computational Biology</i> , 2020, 16, e1008289.	1.5	52

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73	Replication and extension of a model predicting response to psilocybin. <i>Psychopharmacology</i> , 2019, 236, 3221-3230.	1.5	49
74	Decreased directed functional connectivity in the psychedelic state. <i>NeuroImage</i> , 2020, 209, 116462.	2.1	49
75	Serotonergic psychedelics LSD & psilocybin increase the fractal dimension of cortical brain activity in spatial and temporal domains. <i>NeuroImage</i> , 2020, 220, 117049.	2.1	49
76	Validation of the Psychological Insight Scale: A new scale to assess psychological insight following a psychedelic experience. <i>Journal of Psychopharmacology</i> , 2022, 36, 31-45.	2.0	46
77	The administration of psilocybin to healthy, hallucinogen-experienced volunteers in a mock-functional magnetic resonance imaging environment: a preliminary investigation of tolerability. <i>Journal of Psychopharmacology</i> , 2011, 25, 1562-1567.	2.0	45
78	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.	1.2	45
79	Psychedelic resting-state neuroimaging: A review and perspective on balancing replication and novel analyses. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104689.	2.9	45
80	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.	0.1	42
81	LSD alters eyes-closed functional connectivity within the early visual cortex in a retinotopic fashion. <i>Human Brain Mapping</i> , 2016, 37, 3031-3040.	1.9	42
82	LSD modulates effective connectivity and neural adaptation mechanisms in an auditory oddball paradigm. <i>Neuropharmacology</i> , 2018, 142, 251-262.	2.0	42
83	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.	0.9	41
84	Does Psychedelic Therapy Have a Transdiagnostic Action and Prophylactic Potential?. <i>Frontiers in Psychiatry</i> , 2021, 12, 661233.	1.3	41
85	A placebo-controlled investigation of synaesthesia-like experiences under LSD. <i>Neuropsychologia</i> , 2016, 88, 28-34.	0.7	40
86	Psychedelics and health behaviour change. <i>Journal of Psychopharmacology</i> , 2022, 36, 12-19.	2.0	40
87	A Qualitative Report on the Subjective Experience of Intravenous Psilocybin Administered in an fMRI Environment. <i>Current Drug Abuse Reviews</i> , 2015, 7, 117-127.	3.4	39
88	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex. <i>NeuroImage</i> , 2022, 256, 119220.	2.1	39
89	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, 771-778.	2.0	37
90	Experienced Drug Users Assess the Relative Harms and Benefits of Drugs: A Web-Based Survey. <i>Journal of Psychoactive Drugs</i> , 2013, 45, 322-328.	1.0	37

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91	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.	2.0	37
92	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.	2.0	37
93	Psychedelics as a treatment for disorders of consciousness. <i>Neuroscience of Consciousness</i> , 2019, 2019, niz003.	1.4	35
94	Study Protocol for "Psilocybin as a Treatment for Anorexia Nervosa: A Pilot Study". <i>Frontiers in Psychiatry</i> , 2021, 12, 735523.	1.3	33
95	The potential synergistic effects between psychedelic administration and nature contact for the improvement of mental health. <i>Health Psychology Open</i> , 2020, 7, 205510292097812.	0.7	32
96	Spectral signatures of serotonergic psychedelics and glutamatergic dissociatives. <i>NeuroImage</i> , 2019, 200, 281-291.	2.1	31
97	DMT alters cortical travelling waves. <i>ELife</i> , 2020, 9, .	2.8	31
98	Serotonin, psychedelics and psychiatry. <i>World Psychiatry</i> , 2018, 17, 358-359.	4.8	30
99	Neural and subjective effects of inhaled N,N-dimethyltryptamine in natural settings. <i>Journal of Psychopharmacology</i> , 2021, 35, 406-420.	2.0	29
100	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.	1.3	28
101	Can pragmatic research, real-world data and digital technologies aid the development of psychedelic medicine?. <i>Journal of Psychopharmacology</i> , 2022, 36, 6-11.	2.0	28
102	More Realistic Forecasting of Future Life Events After Psilocybin for Treatment-Resistant Depression. <i>Frontiers in Psychology</i> , 2018, 9, 1721.	1.1	26
103	Was it a vision or a waking dream?. <i>Frontiers in Psychology</i> , 2014, 5, 255.	1.1	26
104	Altered Insula Connectivity under MDMA. <i>Neuropsychopharmacology</i> , 2017, 42, 2152-2162.	2.8	25
105	Psilocybin and MDMA reduce costly punishment in the Ultimatum Game. <i>Scientific Reports</i> , 2018, 8, 8236.	1.6	25
106	Semantic activation in LSD: evidence from picture naming. <i>Language, Cognition and Neuroscience</i> , 2016, 31, 1320-1327.	0.7	24
107	Associations between lifetime classic psychedelic use and cardiometabolic diseases. <i>Scientific Reports</i> , 2021, 11, 14427.	1.6	24
108	Spatial Dependencies between Large-Scale Brain Networks. <i>PLoS ONE</i> , 2014, 9, e98500.	1.1	23

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109	Relational Processes in Ayahuasca Groups of Palestinians and Israelis. <i>Frontiers in Pharmacology</i> , 2021, 12, 607529.	1.6	23
110	Current and former ecstasy users report different sleep to matched controls: a web-based questionnaire study. <i>Journal of Psychopharmacology</i> , 2009, 23, 249-257.	2.0	21
111	Sustained, Multifaceted Improvements in Mental Well-Being Following Psychedelic Experiences in a Prospective Opportunity Sample. <i>Frontiers in Psychiatry</i> , 2021, 12, 647909.	1.3	21
112	The entropic tongue: Disorganization of natural language under LSD. <i>Consciousness and Cognition</i> , 2021, 87, 103070.	0.8	20
113	Increased sensitivity to strong perturbations in a whole-brain model of LSD. <i>NeuroImage</i> , 2021, 230, 117809.	2.1	20
114	Prefrontal contributions to the stability and variability of thought and conscious experience. <i>Neuropsychopharmacology</i> , 2022, 47, 329-348.	2.8	19
115	Phenomenology and content of the inhaled N, N-dimethyltryptamine (N, N-DMT) experience. <i>Scientific Reports</i> , 2022, 12, .	1.6	19
116	Association Between Lifetime Classic Psychedelic Use and Hypertension in the Past Year. <i>Hypertension</i> , 2021, 77, 1510-1516.	1.3	17
117	Greater than the parts: a review of the information decomposition approach to causal emergence. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, .	1.6	17
118	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.	2.0	15
119	Self-Medication for Chronic Pain Using Classic Psychedelics: A Qualitative Investigation to Inform Future Research. <i>Frontiers in Psychiatry</i> , 2021, 12, 735427.	1.3	15
120	Equivalent effects of acute tryptophan depletion on REM sleep in ecstasy users and controls. <i>Psychopharmacology</i> , 2009, 206, 187-196.	1.5	14
121	Losing the Self in Near-Death Experiences: The Experience of Ego-Dissolution. <i>Brain Sciences</i> , 2021, 11, 929.	1.1	14
122	Trends in the Top-Cited Articles on Classic Psychedelics. <i>Journal of Psychoactive Drugs</i> , 2021, 53, 283-298.	1.0	13
123	Psychedelic experience dose-dependently modulated by cannabis: results of a prospective online survey. <i>Psychopharmacology</i> , 2022, 239, 1425-1440.	1.5	13
124	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.	1.1	13
125	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.	1.4	13
126	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.	2.1	10

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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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 212, 114642.	1.4	9
128	Concerns regarding conclusions made about LSD-treatments (received 25 October 2016). <i>History of Psychiatry</i> , 2017, 28, 257-260.	0.1	8
129	Co-design of Guidance for Patient and Public Involvement in Psychedelic Research. <i>Frontiers in Psychiatry</i> , 2021, 12, 727496.	1.3	8
130	Is the Brainstem Really Sufficient for a Consciousness That Would Have Interested Freud?. <i>Neuropsychoanalysis</i> , 2013, 15, 29-32.	0.1	4
131	Question-based Drug Development for psilocybin – Authors' reply. <i>Lancet Psychiatry</i> , 2016, 3, 807.	3.7	1