Robin Carhart-Harris

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Validation of the Psychological Insight Scale: A new scale to assess psychological insight following a psychedelic experience.. *Journal of Psychopharmacology*, **2022**, 2698811211066709	4.6	7
140	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	3.5	1
139	Consciousness is supported by near-critical slow cortical electrodynamics.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	3
138	Prefrontal contributions to the stability and variability of thought and conscious experience. *Neuropsychopharmacology*, **2022**, 47, 329-348	8.7	3
137	Increased global integration in the brain after psilocybin therapy for depression.. *Nature Medicine*, **2022**,	50.5	9
136	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex.. *NeuroImage*, **2022**, 119220	7.9	2
135	Psychedelic Resting-state Neuroimaging: A Review and Perspective on Balancing Replication and Novel Analyses.. *Neuroscience and Biobehavioral Reviews*, **2022**, 104689	9	3
134	Psychedelic experience dose-dependently modulated by cannabis: results of a prospective online survey. *Psychopharmacology*, **2021**, 1	4.7	2
133	Self-Medication for Chronic Pain Using Classic Psychedelics: A Qualitative Investigation to Inform Future Research. *Frontiers in Psychiatry*, **2021**, 12, 735427	5	2
132	Psychedelics alter metaphysical beliefs. *Scientific Reports*, **2021**, 11, 22166	4.9	11
131	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	3.4	1
130	Study Protocol for "Psilocybin as a Treatment for Anorexia Nervosa: A Pilot Study". *Frontiers in Psychiatry*, **2021**, 12, 735523	5	5
129	Psychedelic Communitas: Intersubjective Experience During Psychedelic Group Sessions Predicts Enduring Changes in Psychological Wellbeing and Social Connectedness. *Frontiers in Pharmacology*, **2021**, 12, 623985	5.6	30
128	Self-blinding citizen science to explore psychedelic microdosing. *ELife*, **2021**, 10,	8.9	26
127	Increased sensitivity to strong perturbations in a whole-brain model of LSD. *NeuroImage*, **2021**, 230, 117809	7.9	4
126	Can pragmatic research, real-world data and digital technologies aid the development of psychedelic medicine?. *Journal of Psychopharmacology*, **2021**, 2698811211008567	4.6	12
125	Trial of Psilocybin versus Escitalopram for Depression. *New England Journal of Medicine*, **2021**, 384, 1402-1411	59.1	152

124	Association Between Lifetime Classic Psychedelic Use and Hypertension in the Past Year. *Hypertension*, **2021**, 77, 1510-1516	8.5	4
123	Relational Processes in Ayahuasca Groups of Palestinians and Israelis. *Frontiers in Pharmacology*, **2021**, 12, 607529	5.6	7
122	Psychedelics and health behaviour change. *Journal of Psychopharmacology*, **2021**, 2698811211008554	4.6	10
121	Sustained, Multifaceted Improvements in Mental Well-Being Following Psychedelic Experiences in a Prospective Opportunity Sample. *Frontiers in Psychiatry*, **2021**, 12, 647909	5	3
120	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	7.6	2
119	Associations between lifetime classic psychedelic use and cardiometabolic diseases. *Scientific Reports*, **2021**, 11, 14427	4.9	7
118	Acute effects of MDMA on trust, cooperative behaviour and empathy: A double-blind, placebo-controlled experiment. *Journal of Psychopharmacology*, **2021**, 35, 547-555	4.6	6
117	The Current Status of Psychedelics in Psychiatry. *JAMA Psychiatry*, **2021**, 78, 121-122	14.5	41
116	Pivotal mental states. *Journal of Psychopharmacology*, **2021**, 35, 319-352	4.6	26
115	The entropic tongue: Disorganization of natural language under LSD. *Consciousness and Cognition*, **2021**, 87, 103070	2.6	13
114	LSD alters dynamic integration and segregation in the human brain. *NeuroImage*, **2021**, 227, 117653	7.9	32
113	Therapeutic effects of classic serotonergic psychedelics: A systematic review of modern-era clinical studies. *Acta Psychiatrica Scandinavica*, **2021**, 143, 101-118	6.5	41
112	Positive effects of psychedelics on depression and wellbeing scores in individuals reporting an eating disorder. *Eating and Weight Disorders*, **2021**, 26, 1265-1270	3.6	20
111	Positive expectations predict improved mental-health outcomes linked to psychedelic microdosing. *Scientific Reports*, **2021**, 11, 1941	4.9	22
110	Neural and subjective effects of inhaled N,N-dimethyltryptamine in natural settings. *Journal of Psychopharmacology*, **2021**, 35, 406-420	4.6	7
109	Trends in the Top-Cited Articles on Classic Psychedelics. *Journal of Psychoactive Drugs*, **2021**, 53, 283-298	3.6	5
108	Losing the Self in Near-Death Experiences: The Experience of Ego-Dissolution. *Brain Sciences*, **2021**, 11,	3.4	3
107	Does Psychedelic Therapy Have a Transdiagnostic Action and Prophylactic Potential?. *Frontiers in Psychiatry*, **2021**, 12, 661233	5	10

106	Co-design of Guidance for Patient and Public Involvement in Psychedelic Research. *Frontiers in Psychiatry*, **2021**, 12, 727496	5	3
105	Therapeutic Alliance and Rapport Modulate Responses to Psilocybin Assisted Therapy for Depression.. *Frontiers in Pharmacology*, **2021**, 12, 788155	5.6	7
104	What it is like to be a bit: an integrated information decomposition account of emergent mental phenomena. *Neuroscience of Consciousness*, **2021**, 2021, niab027	3.3	0
103	Updating the dynamic framework of thought: Creativity and psychedelics. *NeuroImage*, **2020**, 213, 116726	7.9	27
102	Serotonergic psychedelics LSD & psilocybin increase the fractal dimension of cortical brain activity in spatial and temporal domains. *NeuroImage*, **2020**, 220, 117049	7.9	22
101	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	4.6	36
100	Psychedelics and psychological flexibility Results of a prospective web-survey using the Acceptance and Action Questionnaire II. *Journal of Contextual Behavioral Science*, **2020**, 16, 37-44	4.4	11
99	Psychedelic Psychiatry's Brave New World. *Cell*, **2020**, 181, 24-28	56.2	77
98	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	11.5	67
97	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data. *PLoS Computational Biology*, **2020**, 16, e1008289	5	16
96	DMT alters cortical travelling waves. *ELife*, **2020**, 9,	8.9	13
95	Decreased directed functional connectivity in the psychedelic state. *NeuroImage*, **2020**, 209, 116462	7.9	25
94	Safety, tolerability, pharmacokinetics, and pharmacodynamics of low dose lysergic acid diethylamide (LSD) in healthy older volunteers. *Psychopharmacology*, **2020**, 237, 841-853	4.7	42
93	A mechanistic model of the neural entropy increase elicited by psychedelic drugs. *Scientific Reports*, **2020**, 10, 17725	4.9	18
92	Post-Psychedelic Reductions in Experiential Avoidance Are Associated With Decreases in Depression Severity and Suicidal Ideation. *Frontiers in Psychiatry*, **2020**, 11, 782	5	29
91	Hallucinations Under Psychedelics and in the Schizophrenia Spectrum: An Interdisciplinary and Multiscale Comparison. *Schizophrenia Bulletin*, **2020**, 46, 1396-1408	1.3	20
90	The potential synergistic effects between psychedelic administration and nature contact for the improvement of mental health. *Health Psychology Open*, **2020**, 7, 2055102920978123	1.9	11
89	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. *NeuroImage*, **2019**, 199, 127-142	7.9	53

88	REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics. *Pharmacological Reviews*, **2019**, 71, 316-344	22.5	171
87	Spectral signatures of serotonergic psychedelics and glutamatergic dissociatives. *NeuroImage*, **2019**, 200, 281-291	7.9	21
86	Replication and extension of a model predicting response to psilocybin. *Psychopharmacology*, **2019**, 236, 3221-3230	4.7	20
85	Psychedelics as a treatment for disorders of consciousness. *Neuroscience of Consciousness*, **2019**, 2019, niz003	3.3	19
84	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	4.6	19
83	Emotional breakthrough and psychedelics: Validation of the Emotional Breakthrough Inventory. *Journal of Psychopharmacology*, **2019**, 33, 1076-1087	4.6	73
82	Neural correlates of the DMT experience assessed with multivariate EEG. *Scientific Reports*, **2019**, 9, 16324	4.9	63
81	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,	4.6	32
80	How do psychedelics work?. *Current Opinion in Psychiatry*, **2019**, 32, 16-21	4.9	35
79	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	6.6	16
78	Psychedelics and the essential importance of context. *Journal of Psychopharmacology*, **2018**, 32, 725-731	4.6	176
77	The hidden therapist: evidence for a central role of music in psychedelic therapy. *Psychopharmacology*, **2018**, 235, 505-519	4.7	73
76	Increased nature relatedness and decreased authoritarian political views after psilocybin for treatment-resistant depression. *Journal of Psychopharmacology*, **2018**, 32, 811-819	4.6	61
75	Increased amygdala responses to emotional faces after psilocybin for treatment-resistant depression. *Neuropharmacology*, **2018**, 142, 263-269	5.5	59
74	The entropic brain - revisited. *Neuropharmacology*, **2018**, 142, 167-178	5.5	131
73	Psilocybin with psychological support improves emotional face recognition in treatment-resistant depression. *Psychopharmacology*, **2018**, 235, 459-466	4.7	35
72	Predicting Responses to Psychedelics: A Prospective Study. *Frontiers in Pharmacology*, **2018**, 9, 897	5.6	104
71	Psychedelics, Meditation, and Self-Consciousness. *Frontiers in Psychology*, **2018**, 9, 1475	3.4	81

70	DMT Models the Near-Death Experience. *Frontiers in Psychology*, **2018**, 9, 1424	3.4	62
69	Effects of psilocybin therapy on personality structure. *Acta Psychiatrica Scandinavica*, **2018**, 138, 368-378	6.5	85
68	Psilocybin with psychological support for treatment-resistant depression: six-month follow-up. *Psychopharmacology*, **2018**, 235, 399-408	4.7	266
67	LSD modulates effective connectivity and neural adaptation mechanisms in an auditory oddball paradigm. *Neuropharmacology*, **2018**, 142, 251-262	5.5	22
66	Psychedelics and connectedness. *Psychopharmacology*, **2018**, 235, 547-550	4.7	80
65	Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. *Current Biology*, **2018**, 28, 3065-3074.e6	6.3	69
64	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	2.9	20
63	More Realistic Forecasting of Future Life Events After Psilocybin for Treatment-Resistant Depression. *Frontiers in Psychology*, **2018**, 9, 1721	3.4	16
62	Serotonin, psychedelics and psychiatry. *World Psychiatry*, **2018**, 17, 358-359	14.4	20
61	Psilocybin and MDMA reduce costly punishment in the Ultimatum Game. *Scientific Reports*, **2018**, 8, 8236	4.9	18
60	Altered Insula Connectivity under MDMA. *Neuropsychopharmacology*, **2017**, 42, 2152-2162	8.7	18
59	Increased spontaneous MEG signal diversity for psychoactive doses of ketamine, LSD and psilocybin. *Scientific Reports*, **2017**, 7, 46421	4.9	146
58	The Therapeutic Potential of Psychedelic Drugs: Past, Present, and Future. *Neuropsychopharmacology*, **2017**, 42, 2105-2113	8.7	199
57	Psychedelics, Personality and Political Perspectives. *Journal of Psychoactive Drugs*, **2017**, 49, 182-191	3.6	94
56	Concerns regarding conclusions made about LSD-treatments (received 25 October 2016). *History of Psychiatry*, **2017**, 28, 257-260	0.6	5
55	Patients Accounts of Increased Connectedness and Acceptance After Psilocybin for Treatment-Resistant Depression. *Journal of Humanistic Psychology*, **2017**, 57, 520-564	0.9	154
54	Psilocybin for treatment-resistant depression: fMRI-measured brain mechanisms. *Scientific Reports*, **2017**, 7, 13187	4.9	192
53	Quality of Acute Psychedelic Experience Predicts Therapeutic Efficacy of Psilocybin for Treatment-Resistant Depression. *Frontiers in Pharmacology*, **2017**, 8, 974	5.6	242

52	Serotonin and brain function: a tale of two receptors. *Journal of Psychopharmacology*, **2017**, 31, 1091-1120	4.6	254
51	Connectome-harmonic decomposition of human brain activity reveals dynamical repertoire re-organization under LSD. *Scientific Reports*, **2017**, 7, 17661	4.9	84
50	Semantic activation in LSD: evidence from picture naming. *Language, Cognition and Neuroscience*, **2016**, 31, 1320-1327	2.4	18
49	LSD-induced entropic brain activity predicts subsequent personality change. *Human Brain Mapping*, **2016**, 37, 3203-13	5.9	163
48	Decreased mental time travel to the past correlates with default-mode network disintegration under lysergic acid diethylamide. *Journal of Psychopharmacology*, **2016**, 30, 344-53	4.6	93
47	Ego-Dissolution and Psychedelics: Validation of the Ego-Dissolution Inventory (EDI). *Frontiers in Human Neuroscience*, **2016**, 10, 269	3.3	129
46	LSD alters eyes-closed functional connectivity within the early visual cortex in a retinotopic fashion. *Human Brain Mapping*, **2016**, 37, 3031-40	5.9	29
45	Psilocybin with psychological support for treatment-resistant depression: an open-label feasibility study. *Lancet Psychiatry,the*, **2016**, 3, 619-27	23.3	568
44	A placebo-controlled investigation of synaesthesia-like experiences under LSD. *Neuropsychologia*, **2016**, 88, 28-34	3.2	29
43	Increased Global Functional Connectivity Correlates with LSD-Induced Ego Dissolution. *Current Biology*, **2016**, 26, 1043-50	6.3	237
42	LSD modulates music-induced imagery via changes in parahippocampal connectivity. *European Neuropsychopharmacology*, **2016**, 26, 1099-109	1.2	63
41	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, 4853-8	11.5	401
40	The paradoxical psychological effects of lysergic acid diethylamide (LSD). *Psychological Medicine*, **2016**, 46, 1379-90	6.9	156
39	Question-based Drug Development for psilocybin - Authors' reply. *Lancet Psychiatry,the*, **2016**, 3, 807	23.3	1
38	LSD enhances the emotional response to music. *Psychopharmacology*, **2015**, 232, 3607-14	4.7	83
37	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. *Biological Psychiatry*, **2015**, 78, 554-62	7.9	96
36	Drug models of schizophrenia. *Therapeutic Advances in Psychopharmacology*, **2015**, 5, 43-58	4.9	88
35	LSD enhances suggestibility in healthy volunteers. *Psychopharmacology*, **2015**, 232, 785-94	4.7	127

34	Finding the self by losing the self: Neural correlates of ego-dissolution under psilocybin. *Human Brain Mapping*, **2015**, 36, 3137-53	5.9	122
33	Enhanced repertoire of brain dynamical states during the psychedelic experience. *Human Brain Mapping*, **2014**, 35, 5442-56	5.9	211
32	The effects of psilocybin and MDMA on between-network resting state functional connectivity in healthy volunteers. *Frontiers in Human Neuroscience*, **2014**, 8, 204	3.3	128
31	Spatial dependencies between large-scale brain networks. *PLoS ONE*, **2014**, 9, e98500	3.7	15
30	The entropic brain: a theory of conscious states informed by neuroimaging research with psychedelic drugs. *Frontiers in Human Neuroscience*, **2014**, 8, 20	3.3	409
29	The effect of acutely administered MDMA on subjective and BOLD-fMRI responses to favourite and worst autobiographical memories. *International Journal of Neuropsychopharmacology*, **2014**, 17, 527-40	5.8	50
28	A qualitative report on the subjective experience of intravenous psilocybin administered in an FMRI environment. *Current Drug Abuse Reviews*, **2014**, 7, 117-27		30
27	Was it a vision or a waking dream?. *Frontiers in Psychology*, **2014**, 5, 255	3.4	20
26	Psychiatry's next top model: cause for a re-think on drug models of psychosis and other psychiatric disorders. *Journal of Psychopharmacology*, **2013**, 27, 771-8	4.6	31
25	Broadband cortical desynchronization underlies the human psychedelic state. *Journal of Neuroscience*, **2013**, 33, 15171-83	6.6	258
24	Is the Brainstem Really Sufficient for a Consciousness That Would Have Interested Freud?. *Neuropsychoanalysis*, **2013**, 15, 29-32	0.8	3
23	Functional connectivity measures after psilocybin inform a novel hypothesis of early psychosis. *Schizophrenia Bulletin*, **2013**, 39, 1343-51	1.3	148
22	Experienced drug users assess the relative harms and benefits of drugs: a web-based survey. *Journal of Psychoactive Drugs*, **2013**, 45, 322-8	3.6	30
21	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, 2138-43	11.5	555
20	Implications for psychedelic-assisted psychotherapy: functional magnetic resonance imaging study with psilocybin. *British Journal of Psychiatry*, **2012**, 200, 238-44	5.4	122
19	A web-based survey on mephedrone. *Drug and Alcohol Dependence*, **2011**, 118, 19-22	4.9	200
18	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, 1562-7	4.6	33
17	User perceptions of the benefits and harms of hallucinogenic drug use: A web-based questionnaire study. *Journal of Substance Use*, **2010**, 15, 283-300	0.8	37

16	The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. *Brain*, **2010**, 133, 1265-83	11.2	351
15	Current and former ecstasy users report different sleep to matched controls: a web-based questionnaire study. *Journal of Psychopharmacology*, **2009**, 23, 249-57	4.6	17
14	Equivalent effects of acute tryptophan depletion on REM sleep in ecstasy users and controls. *Psychopharmacology*, **2009**, 206, 187-96	4.7	12
13	Waves of the Unconscious: The Neurophysiology of Dreamlike Phenomena and Its Implications for the Psychodynamic Model of the Mind. *Neuropsychoanalysis*, **2007**, 9, 183-211	0.8	28
12	Psychedelics and schizophrenia: Distinct alterations to Bayesian inference		1
11	Decreased Directed Functional Connectivity in the Psychedelic State		1
10	DMT alters cortical travelling waves		2
9	Effects of LSD on music-evoked brain activity		3
8	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex		8
7	A mechanistic model of the neural entropy increase elicited by psychedelic drugs		4
6	Neural and subjective effects of inhaled DMT in natural settings		2
5	Effects of external stimulation on psychedelic state neurodynamics		9
4	A Synergistic Workspace for Human Consciousness Revealed by Integrated Information Decomposition		12
3	Altered trajectories in the dynamical repertoire of functional network states under psilocybin		4
2	Neural correlates of the DMT experience as assessed via multivariate EEG		1
1	LSD flattens the brain's energy landscape: evidence from receptor-informed network control theory		6