

Rick A Adams

List of Publications by Citations

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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.

52
papers

4,907
citations

28
h-index

59
g-index

59
ext. papers

6,293
ext. citations

5.2
avg, IF

5.88
L-index

#	Paper	IF	Citations
52	Canonical microcircuits for predictive coding. <i>Neuron</i> , 2012 , 76, 695-711	13.9	1321
51	A Bayesian account of hysteria. <i>Brain</i> , 2012 , 135, 3495-512	11.2	423
50	The computational anatomy of psychosis. <i>Frontiers in Psychiatry</i> , 2013 , 4, 47	5	423
49	Predictions not commands: active inference in the motor system. <i>Brain Structure and Function</i> , 2013 , 218, 611-43	4	395
48	The Predictive Coding Account of Psychosis. <i>Biological Psychiatry</i> , 2018 , 84, 634-643	7.9	253
47	Active inference, sensory attenuation and illusions. <i>Cognitive Processing</i> , 2013 , 14, 411-27	1.5	238
46	Perceptions as hypotheses: saccades as experiments. <i>Frontiers in Psychology</i> , 2012 , 3, 151	3.4	215
45	Dopamine, affordance and active inference. <i>PLoS Computational Biology</i> , 2012 , 8, e1002327	5	208
44	Reflections on agranular architecture: predictive coding in the motor cortex. <i>Trends in Neurosciences</i> , 2013 , 36, 706-16	13.3	135
43	Computational Psychiatry: towards a mathematically informed understanding of mental illness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 53-63	5.5	109
42	Scene Construction, Visual Foraging, and Active Inference. <i>Frontiers in Computational Neuroscience</i> , 2016 , 10, 56	3.5	102
41	Loss of sensory attenuation in patients with functional (psychogenic) movement disorders. <i>Brain</i> , 2014 , 137, 2916-21	11.2	67
40	Smooth pursuit and visual occlusion: active inference and oculomotor control in schizophrenia. <i>PLoS ONE</i> , 2012 , 7, e47502	3.7	62
39	Losing control under ketamine: suppressed cortico-hippocampal drive following acute ketamine in rats. <i>Neuropsychopharmacology</i> , 2015 , 40, 268-77	8.7	61
38	Risk Taking for Potential Reward Decreases across the Lifespan. <i>Current Biology</i> , 2016 , 26, 1634-1639	6.3	57
37	Crowdsourcing for cognitive science--the utility of smartphones. <i>PLoS ONE</i> , 2014 , 9, e100662	3.7	57
36	Age-related changes in working memory and the ability to ignore distraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6515-8	11.5	56

35	Human visual exploration reduces uncertainty about the sensed world. <i>PLoS ONE</i> , 2018 , 13, e0190429	3.7	50
34	Mesolimbic Dopamine Function Is Related to Salience Network Connectivity: An Integrative Positron Emission Tomography and Magnetic Resonance Study. <i>Biological Psychiatry</i> , 2019 , 85, 368-378	7.9	44
33	Patterns of anterior cingulate activation in schizophrenia: a selective review. <i>Neuropsychiatric Disease and Treatment</i> , 2007 , 3, 87-101	3.1	42
32	Impaired prefrontal synaptic gain in people with psychosis and their relatives during the mismatch negativity. <i>Human Brain Mapping</i> , 2016 , 37, 351-65	5.9	41
31	Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10167-E10176	11.5	39
30	Cholinergic stimulation enhances Bayesian belief updating in the deployment of spatial attention. <i>Journal of Neuroscience</i> , 2014 , 34, 15735-42	6.6	36
29	Proactive and Reactive Response Inhibition across the Lifespan. <i>PLoS ONE</i> , 2015 , 10, e0140383	3.7	36
28	Active inference, eye movements and oculomotor delays. <i>Biological Cybernetics</i> , 2014 , 108, 777-801	2.8	32
27	What is value-accumulated reward or evidence?. <i>Frontiers in Neurorobotics</i> , 2012 , 6, 11	3.4	32
26	Attractor-like Dynamics in Belief Updating in Schizophrenia. <i>Journal of Neuroscience</i> , 2018 , 38, 9471-9485	5.6	28
25	Dynamic causal modelling of eye movements during pursuit: Confirming precision-encoding in V1 using MEG. <i>NeuroImage</i> , 2016 , 132, 175-189	7.9	25
24	Active Inference and Auditory Hallucinations. <i>Computational Psychiatry</i> , 2018 , 2, 183-204	3.8	25
23	Active inference and oculomotor pursuit: the dynamic causal modelling of eye movements. <i>Journal of Neuroscience Methods</i> , 2015 , 242, 1-14	3	22
22	Introducing a Bayesian model of selective attention based on active inference. <i>Scientific Reports</i> , 2019 , 9, 13915	4.9	20
21	Impaired theta phase coupling underlies frontotemporal dysconnectivity in schizophrenia. <i>Brain</i> , 2020 , 143, 1261-1277	11.2	19
20	Increased weighting on prior knowledge in Lewy body-associated visual hallucinations. <i>Brain Communications</i> , 2019 , 1, fcz007	4.5	17
19	Abnormal frontoparietal synaptic gain mediating the P300 in patients with psychotic disorder and their unaffected relatives. <i>Human Brain Mapping</i> , 2017 , 38, 3262-3276	5.9	16
18	Aberrant Salience, Information Processing, and Dopaminergic Signaling in People at Clinical High Risk for Psychosis. <i>Biological Psychiatry</i> , 2020 , 88, 304-314	7.9	16

17	Searching for an anchor in an unpredictable world: A computational model of obsessive compulsive disorder. <i>Psychological Review</i> , 2020 , 127, 672-699	6.3	16
16	From Computation to the First-Person: Auditory-Verbal Hallucinations and Delusions of Thought Interference in Schizophrenia-Spectrum Psychoses. <i>Schizophrenia Bulletin</i> , 2019 , 45, S56-S66	1.3	13
15	Hallucinations both in and out of context: An active inference account. <i>PLoS ONE</i> , 2019 , 14, e0212379	3.7	12
14	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. <i>Biological Psychiatry</i> , 2020 , 87, 368-376	7.9	11
13	Variability in Action Selection Relates to Striatal Dopamine 2/3 Receptor Availability in Humans: A PET Neuroimaging Study Using Reinforcement Learning and Active Inference Models. <i>Cerebral Cortex</i> , 2020 , 30, 3573-3589	5.1	10
12	Brain-behaviour modes of covariation in healthy and clinically depressed young people. <i>Scientific Reports</i> , 2019 , 9, 11536	4.9	10
11	The relationship between childhood trauma, dopamine release and dexamphetamine-induced positive psychotic symptoms: a [C]-(+)-PHNO PET study. <i>Translational Psychiatry</i> , 2019 , 9, 287	8.6	10
10	Impulsivity and Active Inference. <i>Journal of Cognitive Neuroscience</i> , 2019 , 31, 202-220	3.1	8
9	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. <i>Biological Psychiatry</i> , 2021 ,	7.9	7
8	Task-induced functional brain connectivity mediates the relationship between striatal D2/3 receptors and working memory. <i>ELife</i> , 2019 , 8,	8.9	6
7	Canonical Correlation Analysis for Identifying Biotypes of Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 478-480	3.4	2
6	Retrospective Inference as a Form of Bounded Rationality, and Its Beneficial Influence on Learning. <i>Frontiers in Artificial Intelligence</i> , 2020 , 3, 2	3	1
5	Investigating cortico-subcortical circuits during auditory sensory attenuation: A combined magnetoencephalographic and dynamic causal modeling study. <i>Human Brain Mapping</i> , 2020 , 41, 4419-4430	5.9	1
4	Bayesian Inference, Predictive Coding, and Computational Models of Psychosis 2018 , 175-195		0
3	Disrupted-in-schizophrenia 1 functional polymorphisms and D/D receptor availability: A [C]-(+)-PHNO imaging study. <i>Genes, Brain and Behavior</i> , 2019 , 18, e12596	3.6	
2	Cortical Disinhibition, Attractor Dynamics, and Belief Updating in Schizophrenia. <i>Springer Series in Cognitive and Neural Systems</i> , 2019 , 81-89	0.3	
1	Brain Computations in Schizophrenia 2016 , 283-295		