

Rick A Adams

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

7,240
citations

147566

31
h-index

197535

49
g-index

59
all docs

59
docs citations

59
times ranked

6338
citing authors

#	ARTICLE	IF	CITATIONS
1	Canonical Microcircuits for Predictive Coding. <i>Neuron</i> , 2012, 76, 695-711.	3.8	1,876
2	The Computational Anatomy of Psychosis. <i>Frontiers in Psychiatry</i> , 2013, 4, 47.	1.3	608
3	A Bayesian account of 'hysteria'. <i>Brain</i> , 2012, 135, 3495-3512.	3.7	579
4	Predictions not commands: active inference in the motor system. <i>Brain Structure and Function</i> , 2013, 218, 611-643.	1.2	557
5	The Predictive Coding Account of Psychosis. <i>Biological Psychiatry</i> , 2018, 84, 634-643.	0.7	507
6	Active inference, sensory attenuation and illusions. <i>Cognitive Processing</i> , 2013, 14, 411-427.	0.7	346
7	Perceptions as Hypotheses: Saccades as Experiments. <i>Frontiers in Psychology</i> , 2012, 3, 151.	1.1	290
8	Dopamine, Affordance and Active Inference. <i>PLoS Computational Biology</i> , 2012, 8, e1002327.	1.5	288
9	Reflections on agranular architecture: predictive coding in the motor cortex. <i>Trends in Neurosciences</i> , 2013, 36, 706-716.	4.2	185
10	Computational Psychiatry: towards a mathematically informed understanding of mental illness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, jnnp-2015-310737.	0.9	156
11	Scene Construction, Visual Foraging, and Active Inference. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 56.	1.2	133
12	Loss of sensory attenuation in patients with functional (psychogenic) movement disorders. <i>Brain</i> , 2014, 137, 2916-2921.	3.7	104
13	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, 6515-6518.	3.3	91
14	Crowdsourcing for Cognitive Science – The Utility of Smartphones. <i>PLoS ONE</i> , 2014, 9, e100662.	1.1	90
15	Risk Taking for Potential Reward Decreases across the Lifespan. <i>Current Biology</i> , 2016, 26, 1634-1639.	1.8	85
16	Smooth Pursuit and Visual Occlusion: Active Inference and Oculomotor Control in Schizophrenia. <i>PLoS ONE</i> , 2012, 7, e47502.	1.1	78
17	Losing Control Under Ketamine: Suppressed Cortico-Hippocampal Drive Following Acute Ketamine in Rats. <i>Neuropsychopharmacology</i> , 2015, 40, 268-277.	2.8	73
18	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.	0.7	72

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19	Human visual exploration reduces uncertainty about the sensed world. PLoS ONE, 2018, 13, e0190429.	1.1	66
20	Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10167-E10176.	3.3	65
21	Impaired prefrontal synaptic gain in people with psychosis and their relatives during the mismatch negativity. Human Brain Mapping, 2016, 37, 351-365.	1.9	64
22	Patterns of anterior cingulate activation in schizophrenia: a selective review. Neuropsychiatric Disease and Treatment, 2007, 3, 87-101.	1.0	61
23	Aberrant Salience, Information Processing, and Dopaminergic Signaling in People at Clinical High Risk for Psychosis. Biological Psychiatry, 2020, 88, 304-314.	0.7	59
24	Proactive and Reactive Response Inhibition across the Lifespan. PLoS ONE, 2015, 10, e0140383.	1.1	58
25	Cholinergic Stimulation Enhances Bayesian Belief Updating in the Deployment of Spatial Attention. Journal of Neuroscience, 2014, 34, 15735-15742.	1.7	57
26	Attractor-like Dynamics in Belief Updating in Schizophrenia. Journal of Neuroscience, 2018, 38, 9471-9485.	1.7	51
27	Increased weighting on prior knowledge in Lewy body-associated visual hallucinations. Brain Communications, 2019, 1, fcz007.	1.5	45
28	Active Inference and Auditory Hallucinations. Computational Psychiatry, 2020, 2, 183.	1.1	45
29	Active inference, eye movements and oculomotor delays. Biological Cybernetics, 2014, 108, 777-801.	0.6	44
30	Introducing a Bayesian model of selective attention based on active inference. Scientific Reports, 2019, 9, 13915.	1.6	43
31	Searching for an anchor in an unpredictable world: A computational model of obsessive compulsive disorder.. Psychological Review, 2020, 127, 672-699.	2.7	43
32	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. Biological Psychiatry, 2022, 91, 202-215.	0.7	40
33	What is valueâ€”accumulated reward or evidence?. Frontiers in Neurobotics, 2012, 6, 11.	1.6	38
34	Impaired theta phase coupling underlies frontotemporal dysconnectivity in schizophrenia. Brain, 2020, 143, 1261-1277.	3.7	38
35	Active inference and oculomotor pursuit: The dynamic causal modelling of eye movements. Journal of Neuroscience Methods, 2015, 242, 1-14.	1.3	35
36	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brainâ€”Behavior Relationships. Biological Psychiatry, 2020, 87, 368-376.	0.7	32

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37	Dynamic causal modelling of eye movements during pursuit: Confirming precision-encoding in V1 using MEG. <i>NeuroImage</i> , 2016, 132, 175-189.	2.1	31
38	Brain-behaviour modes of covariation in healthy and clinically depressed young people. <i>Scientific Reports</i> , 2019, 9, 11536.	1.6	31
39	Hallucinations both in and out of context: An active inference account. <i>PLoS ONE</i> , 2019, 14, e0212379.	1.1	30
40	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.	1.6	24
41	The relationship between childhood trauma, dopamine release and dexamphetamine-induced positive psychotic symptoms: a [11C]-(+)-PHNO PET study. <i>Translational Psychiatry</i> , 2019, 9, 287.	2.4	23
42	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.	2.3	22
43	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.	1.9	21
44	Task-induced functional brain connectivity mediates the relationship between striatal D2/3 receptors and working memory. <i>ELife</i> , 2019, 8, .	2.8	17
45	Impulsivity and Active Inference. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 202-220.	1.1	11
46	Increased Belief Instability in Psychotic Disorders Predicts Treatment Response to Metacognitive Training. <i>Schizophrenia Bulletin</i> , 2022, 48, 826-838.	2.3	7
47	Canonical Correlation Analysis for Identifying Biotypes of Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 478-480.	1.1	6
48	Bayesian Inference, Predictive Coding, and Computational Models of Psychosis. , 2018, , 175-195.		4
49	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.	1.9	4
50	Retrospective Inference as a Form of Bounded Rationality, and Its Beneficial Influence on Learning. <i>Frontiers in Artificial Intelligence</i> , 2020, 3, 2.	2.0	3
51	Brain Computations in Schizophrenia. , 2016, , 283-295.		0
52	Disrupted schizophrenia 1 functional polymorphisms and D 2 /D 3 receptor availability: A [11 C] (+) PHNO imaging study. <i>Genes, Brain and Behavior</i> , 2019, 18, e12596.	1.1	0
53	Editorial: 2021, A New Chapter. <i>Computational Psychiatry</i> , 2021, 5, 1-3.	1.1	0
54	Cortical Disinhibition, Attractor Dynamics, and Belief Updating in Schizophrenia. <i>Springer Series in Cognitive and Neural Systems</i> , 2019, , 81-89.	0.1	0