Rick A Adams

List of Publications by Year
in descending order

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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	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
2	Increased Belief Instability in Psychotic Disorders Predicts Treatment Response to Metacognitive Training. Schizophrenia Bulletin, 2022, 48, 826-838.	2.3	7
3	Editorial: 2021, A New Chapter. Computational Psychiatry, 2021, 5, 1-3.	1.1	0
4	Active Inference and Auditory Hallucinations. Computational Psychiatry, 2020, 2, 183.	1.1	45
5	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brainâ€“Behavior Relationships. Biological Psychiatry, 2020, 87, 368-376.	0.7	32
6	Investigating corticoâ€subcortical circuits during auditory sensory attenuation: A combined magnetoencephalographic and dynamic causal modeling study. Human Brain Mapping, 2020, 41, 4419-4430.	1.9	4
7	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. Cerebral Cortex, 2020, 30, 3573-3589.	1.6	24
8	Canonical Correlation Analysis for Identifying Biotypes of Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 478-480.	1.1	6
9	Aberrant Salience, Information Processing, and Dopaminergic Signaling in People at Clinical High Risk for Psychosis. Biological Psychiatry, 2020, 88, 304-314.	0.7	59
10	Impaired theta phase coupling underlies frontotemporal dysconnectivity in schizophrenia. Brain, 2020, 143, 1261-1277.	3.7	38
11	Retrospective Inference as a Form of Bounded Rationality, and Its Beneficial Influence on Learning. Frontiers in Artificial Intelligence, 2020, 3, 2.	2.0	3
12	Searching for an anchor in an unpredictable world: A computational model of obsessive compulsive disorder.. Psychological Review, 2020, 127, 672-699.	2.7	43
13	Brain-behaviour modes of covariation in healthy and clinically depressed young people. Scientific Reports, 2019, 9, 11536.	1.6	31
14	Disruptedâ€inâ€schizophrenia 1 functional polymorphisms and D 2 /D 3 receptor availability: A [11 C]â€(+)â€PHNO imaging study. Genes, Brain and Behavior, 2019, 18, e12596.	1.1	0
15	Increased weighting on prior knowledge in Lewy body-associated visual hallucinations. Brain Communications, 2019, 1, fcz007.	1.5	45
16	The relationship between childhood trauma, dopamine release and dexamphetamine-induced positive psychotic symptoms: a [11C]-(+)-PHNO PET study. Translational Psychiatry, 2019, 9, 287.	2.4	23
17	Hallucinations both in and out of context: An active inference account. PLoS ONE, 2019, 14, e0212379.	1.1	30
18	Introducing a Bayesian model of selective attention based on active inference. Scientific Reports, 2019, 9, 13915.	1.6	43

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19	From Computation to the First-Person: Auditory-Verbal Hallucinations and Delusions of Thought Interference in Schizophrenia-Spectrum Psychoses. Schizophrenia Bulletin, 2019, 45, S56-S66.	2.3	22
20	Impulsivity and Active Inference. Journal of Cognitive Neuroscience, 2019, 31, 202-220.	1.1	11
21	Mesolimbic Dopamine Function Is Related to Salience Network Connectivity: An Integrative Positron Emission Tomography and Magnetic Resonance Study. Biological Psychiatry, 2019, 85, 368-378.	0.7	72
22	Task-induced functional brain connectivity mediates the relationship between striatal D2/3 receptors and working memory. ELife, 2019, 8, .	2.8	17
23	Cortical Disinhibition, Attractor Dynamics, and Belief Updating in Schizophrenia. Springer Series in Cognitive and Neural Systems, 2019, , 81-89.	0.1	0
24	Bayesian Inference, Predictive Coding, and Computational Models of Psychosis. , 2018, , 175-195.		4
25	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
26	Attractor-like Dynamics in Belief Updating in Schizophrenia. Journal of Neuroscience, 2018, 38, 9471-9485.	1.7	51
27	The Predictive Coding Account of Psychosis. Biological Psychiatry, 2018, 84, 634-643.	0.7	507
28	Human visual exploration reduces uncertainty about the sensed world. PLoS ONE, 2018, 13, e0190429.	1.1	66
29	Abnormal frontoparietal synaptic gain mediating the <scp>P</scp>300 in patients with psychotic disorder and their unaffected relatives. Human Brain Mapping, 2017, 38, 3262-3276.	1.9	21
30	Computational Psychiatry: towards a mathematically informed understanding of mental illness. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2015-310737.	0.9	156
31	Brain Computations in Schizophrenia. , 2016, , 283-295.		0
32	Scene Construction, Visual Foraging, and Active Inference. Frontiers in Computational Neuroscience, 2016, 10, 56.	1.2	133
33	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
34	Risk Taking for Potential Reward Decreases across the Lifespan. Current Biology, 2016, 26, 1634-1639.	1.8	85
35	Dynamic causal modelling of eye movements during pursuit: Confirming precision-encoding in V1 using MEG. NeuroImage, 2016, 132, 175-189.	2.1	31
36	Active inference and oculomotor pursuit: The dynamic causal modelling of eye movements. Journal of Neuroscience Methods, 2015, 242, 1-14.	1.3	35

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37	Age-related changes in working memory and the ability to ignore distraction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6515-6518.	3.3	91
38	Losing Control Under Ketamine: Suppressed Cortico-Hippocampal Drive Following Acute Ketamine in Rats. Neuropsychopharmacology, 2015, 40, 268-277.	2.8	73
39	Proactive and Reactive Response Inhibition across the Lifespan. PLoS ONE, 2015, 10, e0140383.	1.1	58
40	Active inference, eye movements and oculomotor delays. Biological Cybernetics, 2014, 108, 777-801.	0.6	44
41	Cholinergic Stimulation Enhances Bayesian Belief Updating in the Deployment of Spatial Attention. Journal of Neuroscience, 2014, 34, 15735-15742.	1.7	57
42	Loss of sensory attenuation in patients with functional (psychogenic) movement disorders. Brain, 2014, 137, 2916-2921.	3.7	104
43	Crowdsourcing for Cognitive Science â€“ The Utility of Smartphones. PLoS ONE, 2014, 9, e100662.	1.1	90
44	Reflections on agranular architecture: predictive coding in the motor cortex. Trends in Neurosciences, 2013, 36, 706-716.	4.2	185
45	Active inference, sensory attenuation and illusions. Cognitive Processing, 2013, 14, 411-427.	0.7	346
46	Predictions not commands: active inference in the motor system. Brain Structure and Function, 2013, 218, 611-643.	1.2	557
47	The Computational Anatomy of Psychosis. Frontiers in Psychiatry, 2013, 4, 47.	1.3	608
48	Perceptions as Hypotheses: Saccades as Experiments. Frontiers in Psychology, 2012, 3, 151.	1.1	290
49	A Bayesian account of 'hysteria'. Brain, 2012, 135, 3495-3512.	3.7	579
50	Canonical Microcircuits for Predictive Coding. Neuron, 2012, 76, 695-711.	3.8	1,876
51	Dopamine, Affordance and Active Inference. PLoS Computational Biology, 2012, 8, e1002327.	1.5	288
52	Smooth Pursuit and Visual Occlusion: Active Inference and Oculomotor Control in Schizophrenia. PLoS ONE, 2012, 7, e47502.	1.1	78
53	What is valueâ€"accumulated reward or evidence?. Frontiers in Neurorobotics, 2012, 6, 11.	1.6	38
54	Patterns of anterior cingulate activation in schizophrenia: a selective review. Neuropsychiatric Disease and Treatment, 2007, 3, 87-101.	1.0	61