

# Ryan Smith

## 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.

111  
papers

1,930  
citations

24  
h-index

40  
g-index

124  
ext. papers

2,528  
ext. citations

4.2  
avg, IF

5.81  
L-index

#	Paper	IF	Citations
111	A step-by-step tutorial on active inference and its application to empirical data.. <i>Journal of Mathematical Psychology</i> , <b>2022</b> , 107,	1.2	15
110	Higher emotional awareness is associated with greater domain-general reflective tendencies.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3123	4.9	0
109	From Generative Models to Generative Passages: A Computational Approach to (Neuro) Phenomenology.. <i>Review of Philosophy and Psychology</i> , <b>2022</b> , 1-29	1.4	0
108	Active inference models do not contradict folk psychology. <i>Synthese</i> , <b>2022</b> , 200, 1	0.8	3
107	An active inference model of conscious access: How cognitive action selection reconciles the results of report and No-Report paradigms. <i>Current Research in Neurobiology</i> , <b>2022</b> , 100036	0	
106	Lower Levels of Directed Exploration and Reflective Thinking Are Associated With Greater Anxiety and Depression.. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 782136	5	0
105	Subjective Experience and Its Neural Basis <b>2021</b> , 253-284		
104	Sex differences in circulating inflammatory mediators as a function of substance use disorder. <i>Drug and Alcohol Dependence</i> , <b>2021</b> , 221, 108610	4.9	
103	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: insights from active inference. <i>Scientific Reports</i> , <b>2021</b> , 11, 10128	4.9	3
102	Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. <i>Scientific Reports</i> , <b>2021</b> , 11, 11783	4.9	5
101	Emotional intelligence training as a protective factor for mental health during the COVID-19 pandemic. <i>Depression and Anxiety</i> , <b>2021</b> , 38, 1018-1025	8.4	5
100	An Active Inference Approach to Dissecting Reasons for Nonadherence to Antidepressants. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2021</b> , 6, 919-934	3.4	4
99	The predictive global neuronal workspace: A formal active inference model of visual consciousness. <i>Progress in Neurobiology</i> , <b>2021</b> , 199, 101918	10.9	22
98	Deeply Felt Affect: The Emergence of Valence in Deep Active Inference. <i>Neural Computation</i> , <b>2021</b> , 33, 398-446	2.9	40
97	Neural and phenotypic representation under the free-energy principle. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 120, 109-122	9	4
96	Recent advances in the application of predictive coding and active inference models within clinical neuroscience. <i>Psychiatry and Clinical Neurosciences</i> , <b>2021</b> , 75, 3-13	6.2	24
95	Perceptual insensitivity to the modulation of interoceptive signals in depression, anxiety, and substance use disorders. <i>Scientific Reports</i> , <b>2021</b> , 11, 2108	4.9	8

94	Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modelling approach. <i>Journal of Psychiatry and Neuroscience</i> , <b>2021</b> , 46, E74-E87	4.5	12
93	Is the concept of affective agnosia a useful addition to the alexithymia literature?. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 127, 747-748	9	
92	Levels of Emotional Awareness: Theory and Measurement of a Socio-Emotional Skill. <i>Journal of Intelligence</i> , <b>2021</b> , 9,	2.4	4
91	Gut inference: A computational modelling approach. <i>Biological Psychology</i> , <b>2021</b> , 164, 108152	3.2	8
90	Computational Mechanisms of Addiction: Recent Evidence and Its Relevance to Addiction Medicine. <i>Current Addiction Reports</i> , <b>2021</b> , 8, 509	3.9	1
89	An Active Inference Approach to Modeling Structure Learning: Concept Learning as an Example Case. <i>Frontiers in Computational Neuroscience</i> , <b>2020</b> , 14, 41	3.5	20
88	The evolution and development of the uniquely human capacity for emotional awareness: A synthesis of comparative anatomical, cognitive, neurocomputational, and evolutionary psychological perspectives. <i>Biological Psychology</i> , <b>2020</b> , 154, 107925	3.2	8
87	Decision-making deficits in substance use disorders <b>2020</b> , 25-61		1
86	A Bayesian computational model reveals a failure to adapt interoceptive precision estimates across depression, anxiety, eating, and substance use disorders. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1008484	5.4	30
85	Thinking through others' emotions: Incorporating the role of emotional state inference in thinking through other minds. <i>Behavioral and Brain Sciences</i> , <b>2020</b> , 43, e114	0.9	1
84	Confirmatory Evidence that Healthy Individuals Can Adaptively Adjust Prior Expectations and Interoceptive Precision Estimates. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 156-164	0.3	3
83	Sophisticated Affective Inference: Simulating Anticipatory Affective Dynamics of Imagining Future Events. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 179-186	0.3	5
82	Harnessing unconscious emotional learning in specific phobia. <i>Lancet Psychiatry</i> , <b>2020</b> , 7, 922-923	23.3	1
81	Imprecise action selection in substance use disorder: Evidence for active learning impairments when solving the explore-exploit dilemma. <i>Drug and Alcohol Dependence</i> , <b>2020</b> , 215, 108208	4.9	20
80	Affective agnosia: a core affective processing deficit in the alexithymia spectrum. <i>BioPsychoSocial Medicine</i> , <b>2020</b> , 14,	2.8	6
79	Higher Emotional Awareness Is Associated With Reduced Pain in Irritable Bowel Syndrome Patients: Preliminary Results. <i>Psychological Reports</i> , <b>2020</b> , 123, 2227-2247	1.6	7
78	Neurocomputational mechanisms underlying emotional awareness: Insights afforded by deep active inference and their potential clinical relevance. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 107, 473-491	9	39
77	Parameters as Trait Indicators: Exploring a Complementary Neurocomputational Approach to Conceptualizing and Measuring Trait Differences in Emotional Intelligence. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 848	3.4	2

76	Implicit self-esteem is associated with higher levels of trait gratitude in women but not men. <i>Journal of Positive Psychology</i> , <b>2019</b> , 14, 587-592	3.2	1
75	The Role of Prefrontal Cortical Surface Area and Volume in Preclinical Suicidal Ideation in a Non-Clinical Sample. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 445	5	2
74	The role of anterior and midcingulate cortex in emotional awareness: A domain-general processing perspective. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2019</b> , 166, 89-101	3	4
73	Simulating Emotions: An Active Inference Model of Emotional State Inference and Emotion Concept Learning. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 2844	3.4	35
72	The Mediating Role of Interpretation Bias on the Relationship Between Trait Gratitude and Depressive Symptoms. <i>International Journal of Applied Positive Psychology</i> , <b>2019</b> , 4, 135-147	3	
71	An Embodied Neurocomputational Framework for Organically Integrating Biopsychosocial Processes: An Application to the Role of Social Support in Health and Disease. <i>Psychosomatic Medicine</i> , <b>2019</b> , 81, 125-145	3.7	21
70	The importance of identifying underlying process abnormalities in alexithymia: Implications of the three-process model and a single case study illustration. <i>Consciousness and Cognition</i> , <b>2019</b> , 68, 33-46	2.6	15
69	Developmental Contributions to Emotional Awareness. <i>Journal of Personality Assessment</i> , <b>2019</b> , 101, 150-158	2.8	16
68	Increases in Emotional Intelligence After an Online Training Program Are Associated With Better Decision-Making on the Iowa Gambling Task. <i>Psychological Reports</i> , <b>2019</b> , 122, 853-879	1.6	16
67	The Association Between Trait Gratitude and Self-Reported Sleep Quality Is Mediated by Depressive Mood State. <i>Behavioral Sleep Medicine</i> , <b>2019</b> , 17, 41-48	4.2	4
66	The role of medial prefrontal cortex in the working memory maintenance of one's own emotional responses. <i>Scientific Reports</i> , <b>2018</b> , 8, 3460	4.9	34
65	Gratitude and Subjective Wellbeing: A Proposal of Two Causal Frameworks. <i>Journal of Happiness Studies</i> , <b>2018</b> , 19, 1519-1542	3.7	37
64	Conflict-related dorsomedial frontal cortex activation during healthy food decisions is associated with increased cravings for high-fat foods. <i>Brain Imaging and Behavior</i> , <b>2018</b> , 12, 685-696	4.1	4
63	Chronic sleep restriction differentially affects implicit biases toward food among men and women: preliminary evidence. <i>Journal of Sleep Research</i> , <b>2018</b> , 27, e12629	5.8	5
62	Sex differences in emotion recognition ability: The mediating role of trait emotional awareness. <i>Motivation and Emotion</i> , <b>2018</b> , 42, 149-160	2.5	24
61	Nested positive feedback loops in the maintenance of major depression: An integration and extension of previous models. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 67, 374-397	16.6	21
60	Elevated Aggression and Reduced White Matter Integrity in Mild Traumatic Brain Injury: A DTI Study. <i>Frontiers in Behavioral Neuroscience</i> , <b>2018</b> , 12, 118	3.5	15
59	The Relationship Between General Intelligence and Cortical Structure in Healthy Individuals. <i>Neuroscience</i> , <b>2018</b> , 388, 36-44	3.9	14

58	Chronic sleep restriction affects the association between implicit bias and explicit social decision making. <i>Sleep Health</i> , <b>2018</b> , 4, 456-462	4	10
57	The structure of emotional experience and its relation to trait emotional awareness: A theoretical review. <i>Emotion</i> , <b>2018</b> , 18, 670-692	4.1	45
56	Greater cortical thickness within the limbic visceromotor network predicts higher levels of trait emotional awareness. <i>Consciousness and Cognition</i> , <b>2018</b> , 57, 54-61	2.6	20
55	Successful Goal-Directed Memory Suppression is Associated With Increased Inter-Hemispheric Coordination Between Right and Left Frontoparietal Control Networks. <i>Psychological Reports</i> , <b>2018</b> , 121, 93-111	1.6	2
54	Resting-state functional connectivity as a biomarker of aggression in mild traumatic brain injury. <i>NeuroReport</i> , <b>2018</b> , 29, 1413-1417	1.7	10
53	Biased Competition Favoring Physical Over Emotional Pain: A Possible Explanation for the Link Between Early Adversity and Chronic Pain. <i>Psychosomatic Medicine</i> , <b>2018</b> , 80, 880-890	3.7	29
52	Common and Unique Neural Systems Underlying the Working Memory Maintenance of Emotional vs. Bodily Reactions to Affective Stimuli: The Moderating Role of Trait Emotional Awareness. <i>Frontiers in Human Neuroscience</i> , <b>2018</b> , 12, 370	3.3	18
51	A neuro-cognitive process model of emotional intelligence. <i>Biological Psychology</i> , <b>2018</b> , 139, 131-151	3.2	21
50	Higher levels of trait emotional awareness are associated with more efficient global information integration throughout the brain: a graph-theoretic analysis of resting state functional connectivity. <i>Social Cognitive and Affective Neuroscience</i> , <b>2018</b> , 13, 665-675	4	16
49	Highways of the emotional intellect: white matter microstructural correlates of an ability-based measure of emotional intelligence. <i>Social Neuroscience</i> , <b>2017</b> , 12, 253-267	2	10
48	Contributions of self-report and performance-based individual differences measures of social cognitive ability to large-scale neural network functioning. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 685-697	4.1	10
47	The hierarchical basis of neurovisceral integration. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 75, 274-296	9	225
46	Emotional intelligence is associated with connectivity within and between resting state networks. <i>Social Cognitive and Affective Neuroscience</i> , <b>2017</b> , 12, 1624-1636	4	16
45	Acute exposure to blue wavelength light during memory consolidation improves verbal memory performance. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184884	3.7	21
44	Resting state functional connectivity correlates of emotional awareness. <i>NeuroImage</i> , <b>2017</b> , 159, 99-106	7.9	31
43	Chronic Sleep Restriction Increases Negative Implicit Attitudes Toward Arab Muslims. <i>Scientific Reports</i> , <b>2017</b> , 7, 4285	4.9	11
42	A neuro-cognitive defense of the unified self. <i>Consciousness and Cognition</i> , <b>2017</b> , 48, 21-39	2.6	10
41	Reconciling cognitive and affective neuroscience perspectives on the brain basis of emotional experience. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 76, 187-215	9	66

40	Maintaining the feelings of others in working memory is associated with activation of the left anterior insula and left frontal-parietal control network. <i>Social Cognitive and Affective Neuroscience</i> , <b>2017</b> , 12, 848-860	4	32
39	Grateful People Are Happy and Healthy But Why?. <i>Frontiers for Young Minds</i> , <b>2017</b> , 5,	1.5	1
38	How Do Emotions Work?. <i>Frontiers for Young Minds</i> , <b>2017</b> , 5,	1.5	1
37	Blue-Light Therapy following Mild Traumatic Brain Injury: Effects on White Matter Water Diffusion in the Brain. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 616	4.1	18
36	Unconscious emotion: A cognitive neuroscientific perspective. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2016</b> , 69, 216-38	9	55
35	Exposure to Blue Light Increases Subsequent Functional Activation of the Prefrontal Cortex During Performance of a Working Memory Task. <i>Sleep</i> , <b>2016</b> , 39, 1671-80	1.1	36
34	Disentangling introspective and exteroceptive attentional control from emotional appraisal in depression using fMRI: A preliminary study. <i>Psychiatry Research - Neuroimaging</i> , <b>2016</b> , 248, 39-47	2.9	11
33	Exposure to blue wavelength light modulates anterior cingulate cortex activation in response to uncertain versus certain anticipation of positive stimuli. <i>Neuroscience Letters</i> , <b>2016</b> , 616, 5-10	3.3	12
32	Regional Frontal Lobe Response Magnitudes During Affective Shifting Covary With Resting Heart Rate Variability in Healthy Volunteers. <i>Journal of Psychophysiology</i> , <b>2016</b> , 30, 165-174	1	3
31	The relationship between consciousness, understanding, and rationality. <i>Philosophical Psychology</i> , <b>2016</b> , 29, 943-957	1.1	6
30	Unwanted reminders: The effects of emotional memory suppression on subsequent neuro-cognitive processing. <i>Consciousness and Cognition</i> , <b>2016</b> , 44, 103-113	2.6	7
29	Brain and behavior changes associated with an abbreviated 4-week mindfulness-based stress reduction course in back pain patients. <i>Brain and Behavior</i> , <b>2016</b> , 6, e00443	3.4	34
28	The neural basis of attaining conscious awareness of sad mood. <i>Brain Imaging and Behavior</i> , <b>2015</b> , 9, 574-87	4.7	15
27	Affective agnosia: Expansion of the alexithymia construct and a new opportunity to integrate and extend Freud's legacy. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2015</b> , 55, 594-611	9	127
26	Altered functional connectivity between medial prefrontal cortex and the inferior brainstem in major depression during appraisal of subjective emotional responses: A preliminary study. <i>Biological Psychology</i> , <b>2015</b> , 108, 13-24	3.2	33
25	The neural basis of one's own conscious and unconscious emotional states. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2015</b> , 57, 1-29	9	101
24	Do Brains Have an Arrow of Time?. <i>Philosophy of Science</i> , <b>2014</b> , 81, 265-275	1.1	6
23	Role of medial prefrontal cortex in representing one's own subjective emotional responses: a preliminary study. <i>Consciousness and Cognition</i> , <b>2014</b> , 29, 117-30	2.6	27

22	Increased association over time between regional frontal lobe BOLD change magnitude and cardiac vagal control with sertraline treatment for major depression. <i>Psychiatry Research - Neuroimaging</i> , <b>2014</b> , 224, 225-33	2.9	21
21	Explanation, understanding, and control. <i>Synthese</i> , <b>2014</b> , 191, 4169-4200	0.8	9
20	Antidepressant effects of sertraline associated with volume increases in dorsolateral prefrontal cortex. <i>Journal of Affective Disorders</i> , <b>2013</b> , 146, 414-9	6.6	67
19	Subgenual anterior cingulate cortex activity covariation with cardiac vagal control is altered in depression. <i>Journal of Affective Disorders</i> , <b>2013</b> , 150, 565-70	6.6	55
18	Localizing sadness activation within the subgenual cingulate in individuals: a novel functional MRI paradigm for detecting individual differences in the neural circuitry underlying depression. <i>Brain Imaging and Behavior</i> , <b>2011</b> , 5, 229-39	4.1	27
17	In vitro biological dosimeter modeling of the glioblastoma response to radiation delivered by the Gamma Knife. Laboratory investigation. <i>Journal of Neurosurgery</i> , <b>2010</b> , 113 Suppl, 222-7	3.2	1
16	Deeply Felt Affect: The Emergence of Valence in Deep Active Inference		13
15	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: Insights from active inference		2
14	Perceptual insensitivity to the modulation of interoceptive signals in depression, anxiety, and substance use disorders		2
13	Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modeling approach		2
12	Slower Learning Rates from Negative Outcomes in Substance Use Disorder over a 1-Year Period and their Potential Predictive Utility		2
11	The Predictive Global Neuronal Workspace: A Formal Active Inference Model of Visual Consciousness		3
10	A Bayesian computational model reveals a failure to adapt interoceptive precision estimates across depression, anxiety, eating, and substance use disorders		5
9	Confirmatory evidence that healthy individuals can adaptively adjust prior expectations and interoceptive precision estimates		5
8	An active inference approach to modeling structure learning: concept learning as an example case		6
7	Simulating emotions: An active inference model of emotional state inference and emotion concept learning		4
6	Neurocomputational mechanisms underlying emotional awareness: insights afforded by deep active inference and their potential clinical relevance		5
5	Development and Validation of an Online Emotional Intelligence Training Program		2

4	Lower emotional awareness is associated with greater early adversity and faster life history strategy	2
3	A Step-by-Step Tutorial on Active Inference and its Application to Empirical Data	15
2	From generative models to generative passages: A computational approach to (neuro)phenomenology	4
1	Active inference models do not contradict folk psychology	3