Ryan Smith

List of Publications by Citations

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	The hierarchical basis of neurovisceral integration. *Neuroscience and Biobehavioral Reviews*, **2017**, 75, 274-296	9	225
110	Affective agnosia: Expansion of the alexithymia construct and a new opportunity to integrate and extend Freud's legacy. *Neuroscience and Biobehavioral Reviews*, **2015**, 55, 594-611	9	127
109	The neural basis of one's own conscious and unconscious emotional states. *Neuroscience and Biobehavioral Reviews*, **2015**, 57, 1-29	9	101
108	Antidepressant effects of sertraline associated with volume increases in dorsolateral prefrontal cortex. *Journal of Affective Disorders*, **2013**, 146, 414-9	6.6	67
107	Reconciling cognitive and affective neuroscience perspectives on the brain basis of emotional experience. *Neuroscience and Biobehavioral Reviews*, **2017**, 76, 187-215	9	66
106	Unconscious emotion: A cognitive neuroscientific perspective. *Neuroscience and Biobehavioral Reviews*, **2016**, 69, 216-38	9	55
105	Subgenual anterior cingulate cortex activity covariation with cardiac vagal control is altered in depression. *Journal of Affective Disorders*, **2013**, 150, 565-70	6.6	55
104	The structure of emotional experience and its relation to trait emotional awareness: A theoretical review. *Emotion*, **2018**, 18, 670-692	4.1	45
103	Deeply Felt Affect: The Emergence of Valence in Deep Active Inference. *Neural Computation*, **2021**, 33, 398-446	2.9	40
102	Neurocomputational mechanisms underlying emotional awareness: Insights afforded by deep active inference and their potential clinical relevance. *Neuroscience and Biobehavioral Reviews*, **2019** , 107, 473-491	9	39
101	Gratitude and Subjective Wellbeing: A Proposal of Two Causal Frameworks. *Journal of Happiness Studies*, **2018**, 19, 1519-1542	3.7	37
100	Exposure to Blue Light Increases Subsequent Functional Activation of the Prefrontal Cortex During Performance of a Working Memory Task. *Sleep*, **2016**, 39, 1671-80	1.1	36
99	Simulating Emotions: An Active Inference Model of Emotional State Inference and Emotion Concept Learning. *Frontiers in Psychology*, **2019**, 10, 2844	3.4	35
98	The role of medial prefrontal cortex in the working memory maintenance of one's own emotional responses. *Scientific Reports*, **2018**, 8, 3460	4.9	34
97	Brain and behavior changes associated with an abbreviated 4-week mindfulness-based stress reduction course in back pain patients. *Brain and Behavior*, **2016**, 6, e00443	3.4	34
96	Altered functional connectivity between medial prefrontal cortex and the inferior brainstem in major depression during appraisal of subjective emotional responses: A preliminary study. *Biological Psychology*, **2015**, 108, 13-24	3.2	33
95	Maintaining the feelings of others in working memory is associated with activation of the left anterior insula and left frontal-parietal control network. *Social Cognitive and Affective Neuroscience*, **2017**, 12, 848-860	4	32

94	Resting state functional connectivity correlates of emotional awareness. *NeuroImage*, **2017**, 159, 99-106	7.9	31
93	A Bayesian computational model reveals a failure to adapt interoceptive precision estimates across depression, anxiety, eating, and substance use disorders. *PLoS Computational Biology*, **2020**, 16, e1008484	5	30
92	Biased Competition Favoring Physical Over Emotional Pain: A Possible Explanation for the Link Between Early Adversity and Chronic Pain. *Psychosomatic Medicine*, **2018**, 80, 880-890	3.7	29
91	Role of medial prefrontal cortex in representing one's own subjective emotional responses: a preliminary study. *Consciousness and Cognition*, **2014**, 29, 117-30	2.6	27
90	Localizing sadness activation within the subgenual cingulate in individuals: a novel functional MRI paradigm for detecting individual differences in the neural circuitry underlying depression. *Brain Imaging and Behavior*, **2011**, 5, 229-39	4.1	27
89	Sex differences in emotion recognition ability: The mediating role of trait emotional awareness. *Motivation and Emotion*, **2018**, 42, 149-160	2.5	24
88	Recent advances in the application of predictive coding and active inference models within clinical neuroscience. *Psychiatry and Clinical Neurosciences*, **2021**, 75, 3-13	6.2	24
87	The predictive global neuronal workspace: A formal active inference model of visual consciousness. *Progress in Neurobiology*, **2021**, 199, 101918	10.9	22
86	Acute exposure to blue wavelength light during memory consolidation improves verbal memory performance. *PLoS ONE*, **2017**, 12, e0184884	3.7	21
85	Nested positive feedback loops in the maintenance of major depression: An integration and extension of previous models. *Brain, Behavior, and Immunity*, **2018**, 67, 374-397	16.6	21
84	Increased association over time between regional frontal lobe BOLD change magnitude and cardiac vagal control with sertraline treatment for major depression. *Psychiatry Research - Neuroimaging*, **2014**, 224, 225-33	2.9	21
83	An Embodied Neurocomputational Framework for Organically Integrating Biopsychosocial Processes: An Application to the Role of Social Support in Health and Disease. *Psychosomatic Medicine*, **2019**, 81, 125-145	3.7	21
82	A neuro-cognitive process model of emotional intelligence. *Biological Psychology*, **2018**, 139, 131-151	3.2	21
81	An Active Inference Approach to Modeling Structure Learning: Concept Learning as an Example Case. *Frontiers in Computational Neuroscience*, **2020**, 14, 41	3.5	20
80	Imprecise action selection in substance use disorder: Evidence for active learning impairments when solving the explore-exploit dilemma. *Drug and Alcohol Dependence*, **2020**, 215, 108208	4.9	20
79	Greater cortical thickness within the limbic visceromotor network predicts higher levels of trait emotional awareness. *Consciousness and Cognition*, **2018**, 57, 54-61	2.6	20
78	Blue-Light Therapy following Mild Traumatic Brain Injury: Effects on White Matter Water Diffusion in the Brain. *Frontiers in Neurology*, **2017**, 8, 616	4.1	18
77	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. *Frontiers in Human Neuroscience*, **2018**, 12, 370	3.3	18

76	Emotional intelligence is associated with connectivity within and between resting state networks. *Social Cognitive and Affective Neuroscience*, **2017**, 12, 1624-1636	4	16
75	Developmental Contributions to Emotional Awareness. *Journal of Personality Assessment*, **2019**, 101, 150-158	2.8	16
74	Increases in Emotional Intelligence After an Online Training Program Are Associated With Better Decision-Making on the Iowa Gambling Task. *Psychological Reports*, **2019**, 122, 853-879	1.6	16
73	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. *Social Cognitive and Affective Neuroscience*, **2018**, 13, 665-675	4	16
72	The neural basis of attaining conscious awareness of sad mood. *Brain Imaging and Behavior*, **2015**, 9, 574-87	4	15
71	Elevated Aggression and Reduced White Matter Integrity in Mild Traumatic Brain Injury: A DTI Study. *Frontiers in Behavioral Neuroscience*, **2018**, 12, 118	3.5	15
70	A step-by-step tutorial on active inference and its application to empirical data.. *Journal of Mathematical Psychology*, **2022**, 107,	1.2	15
69	The importance of identifying underlying process abnormalities in alexithymia: Implications of the three-process model and a single case study illustration. *Consciousness and Cognition*, **2019**, 68, 33-46	2.6	15
68	A Step-by-Step Tutorial on Active Inference and its Application to Empirical Data		15
67	The Relationship Between General Intelligence and Cortical Structure in Healthy Individuals. *Neuroscience*, **2018**, 388, 36-44	3.9	14
66	Deeply Felt Affect: The Emergence of Valence in Deep Active Inference		13
65	Exposure to blue wavelength light modulates anterior cingulate cortex activation in response to uncertain versus certain anticipation of positive stimuli. *Neuroscience Letters*, **2016**, 616, 5-10	3.3	12
64	Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modelling approach. *Journal of Psychiatry and Neuroscience*, **2021**, 46, E74-E87	4.5	12
63	Disentangling introspective and exteroceptive attentional control from emotional appraisal in depression using fMRI: A preliminary study. *Psychiatry Research - Neuroimaging*, **2016**, 248, 39-47	2.9	11
62	Chronic Sleep Restriction Increases Negative Implicit Attitudes Toward Arab Muslims. *Scientific Reports*, **2017**, 7, 4285	4.9	11
61	Highways of the emotional intellect: white matter microstructural correlates of an ability-based measure of emotional intelligence. *Social Neuroscience*, **2017**, 12, 253-267	2	10
60	Contributions of self-report and performance-based individual differences measures of social cognitive ability to large-scale neural network functioning. *Brain Imaging and Behavior*, **2017**, 11, 685-697	4.1	10
59	Chronic sleep restriction affects the association between implicit bias and explicit social decision making. *Sleep Health*, **2018**, 4, 456-462	4	10

58	A neuro-cognitive defense of the unified self. *Consciousness and Cognition*, **2017**, 48, 21-39	2.6	10
57	Resting-state functional connectivity as a biomarker of aggression in mild traumatic brain injury. *NeuroReport*, **2018**, 29, 1413-1417	1.7	10
56	Explanation, understanding, and control. *Synthese*, **2014**, 191, 4169-4200	0.8	9
55	The evolution and development of the uniquely human capacity for emotional awareness: A synthesis of comparative anatomical, cognitive, neurocomputational, and evolutionary psychological perspectives. *Biological Psychology*, **2020**, 154, 107925	3.2	8
54	Perceptual insensitivity to the modulation of interoceptive signals in depression, anxiety, and substance use disorders. *Scientific Reports*, **2021**, 11, 2108	4.9	8
53	Gut inference: A computational modelling approach. *Biological Psychology*, **2021**, 164, 108152	3.2	8
52	Unwanted reminders: The effects of emotional memory suppression on subsequent neuro-cognitive processing. *Consciousness and Cognition*, **2016**, 44, 103-113	2.6	7
51	Higher Emotional Awareness Is Associated With Reduced Pain in Irritable Bowel Syndrome Patients: Preliminary Results. *Psychological Reports*, **2020**, 123, 2227-2247	1.6	7
50	Do Brains Have an Arrow of Time?. *Philosophy of Science*, **2014**, 81, 265-275	1.1	6
49	An active inference approach to modeling structure learning: concept learning as an example case		6
48	Affective agnosia: a core affective processing deficit in the alexithymia spectrum. *BioPsychoSocial Medicine*, **2020**, 14,	2.8	6
47	The relationship between consciousness, understanding, and rationality. *Philosophical Psychology*, **2016**, 29, 943-957	1.1	6
46	Chronic sleep restriction differentially affects implicit biases toward food among men and women: preliminary evidence. *Journal of Sleep Research*, **2018**, 27, e12629	5.8	5
45	Sophisticated Affective Inference: Simulating Anticipatory Affective Dynamics of Imagining Future Events. *Communications in Computer and Information Science*, **2020**, 179-186	0.3	5
44	A Bayesian computational model reveals a failure to adapt interoceptive precision estimates across depression, anxiety, eating, and substance use disorders		5
43	Confirmatory evidence that healthy individuals can adaptively adjust prior expectations and interoceptive precision estimates		5
42	Neurocomputational mechanisms underlying emotional awareness: insights afforded by deep active inference and their potential clinical relevance		5
41	Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. *Scientific Reports*, **2021**, 11, 11783	4.9	5

40	Emotional intelligence training as a protective factor for mental health during the COVID-19 pandemic. *Depression and Anxiety*, **2021**, 38, 1018-1025	8.4	5
39	Conflict-related dorsomedial frontal cortex activation during healthy food decisions is associated with increased cravings for high-fat foods. *Brain Imaging and Behavior*, **2018**, 12, 685-696	4.1	4
38	The role of anterior and midcingulate cortex in emotional awareness: A domain-general processing perspective. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2019**, 166, 89-101	3	4
37	Simulating emotions: An active inference model of emotional state inference and emotion concept learning		4
36	An Active Inference Approach to Dissecting Reasons for Nonadherence to Antidepressants. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 919-934	3.4	4
35	The Association Between Trait Gratitude and Self-Reported Sleep Quality Is Mediated by Depressive Mood State. *Behavioral Sleep Medicine*, **2019**, 17, 41-48	4.2	4
34	Neural and phenotypic representation under the free-energy principle. *Neuroscience and Biobehavioral Reviews*, **2021**, 120, 109-122	9	4
33	From generative models to generative passages: A computational approach to (neuro)phenomenology		4
32	Levels of Emotional Awareness: Theory and Measurement of a Socio-Emotional Skill. *Journal of Intelligence*, **2021**, 9,	2.4	4
31	Confirmatory Evidence that Healthy Individuals Can Adaptively Adjust Prior Expectations and Interoceptive Precision Estimates. *Communications in Computer and Information Science*, **2020**, 156-164	0.3	3
30	Regional Frontal Lobe Response Magnitudes During Affective Shifting Covary With Resting Heart Rate Variability in Healthy Volunteers. *Journal of Psychophysiology*, **2016**, 30, 165-174	1	3
29	The Predictive Global Neuronal Workspace: A Formal Active Inference Model of Visual Consciousness		3
28	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: insights from active inference. *Scientific Reports*, **2021**, 11, 10128	4.9	3
27	Active inference models do not contradict folk psychology		3
26	Active inference models do not contradict folk psychology. *Synthèse*, **2022**, 200, 1	0.8	3
25	Parameters as Trait Indicators: Exploring a Complementary Neurocomputational Approach to Conceptualizing and Measuring Trait Differences in Emotional Intelligence. *Frontiers in Psychology*, **2019**, 10, 848	3.4	2
24	The Role of Prefrontal Cortical Surface Area and Volume in Preclinical Suicidal Ideation in a Non-Clinical Sample. *Frontiers in Psychiatry*, **2019**, 10, 445	5	2
23	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: Insights from active inference		2

22	Perceptual insensitivity to the modulation of interoceptive signals in depression, anxiety, and substance use disorders		2
21	Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modeling approach		2
20	Slower Learning Rates from Negative Outcomes in Substance Use Disorder over a 1-Year Period and their Potential Predictive Utility		2
19	Development and Validation of an Online Emotional Intelligence Training Program		2
18	Lower emotional awareness is associated with greater early adversity and faster life history strategy		2
17	Successful Goal-Directed Memory Suppression is Associated With Increased Inter-Hemispheric Coordination Between Right and Left Frontoparietal Control Networks. *Psychological Reports*, **2018**, 121, 93-111	1.6	2
16	Decision-making deficits in substance use disorders **2020**, 25-61		1
15	Implicit self-esteem is associated with higher levels of trait gratitude in women but not men. *Journal of Positive Psychology*, **2019**, 14, 587-592	3.2	1
14	Grateful People Are Happy and Healthy But Why?. *Frontiers for Young Minds*, **2017**, 5,	1.5	1
13	How Do Emotions Work?. *Frontiers for Young Minds*, **2017**, 5,	1.5	1
12	Thinking through others' emotions: Incorporating the role of emotional state inference in thinking through other minds. *Behavioral and Brain Sciences*, **2020**, 43, e114	0.9	1
11	In vitro biological dosimeter modeling of the glioblastoma response to radiation delivered by the Gamma Knife. Laboratory investigation. *Journal of Neurosurgery*, **2010**, 113 Suppl, 222-7	3.2	1
10	Harnessing unconscious emotional learning in specific phobia. *Lancet Psychiatry,the*, **2020**, 7, 922-923	23.3	1
9	Computational Mechanisms of Addiction: Recent Evidence and Its Relevance to Addiction Medicine. *Current Addiction Reports*, **2021**, 8, 509	3.9	1
8	Lower Levels of Directed Exploration and Reflective Thinking Are Associated With Greater Anxiety and Depression.. *Frontiers in Psychiatry*, **2021**, 12, 782136	5	0
7	Higher emotional awareness is associated with greater domain-general reflective tendencies.. *Scientific Reports*, **2022**, 12, 3123	4.9	0
6	From Generative Models to Generative Passages: A Computational Approach to (Neuro) Phenomenology.. *Review of Philosophy and Psychology*, **2022**, 1-29	1.4	0
5	Subjective Experience and Its Neural Basis **2021**, 253-284		

4	Sex differences in circulating inflammatory mediators as a function of substance use disorder. *Drug and Alcohol Dependence*, **2021**, 221, 108610	4.9
3	The Mediating Role of Interpretation Bias on the Relationship Between Trait Gratitude and Depressive Symptoms. *International Journal of Applied Positive Psychology*, **2019**, 4, 135-147	3
2	Is the concept of affective agnosia a useful addition to the alexithymia literature?. *Neuroscience and Biobehavioral Reviews*, **2021**, 127, 747-748	9
1	An active inference model of conscious access: How cognitive action selection reconciles the results of report and No-Report paradigms. *Current Research in Neurobiology*, **2022**, 100036	0