

# Ryan Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

3,160  
citations

172443

29  
h-index

206102

48  
g-index

124  
all docs

124  
docs citations

124  
times ranked

2726  
citing authors

#	ARTICLE	IF	CITATIONS
1	The hierarchical basis of neurovisceral integration. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 75, 274-296.	6.1	353
2	Affective agnosia: Expansion of the alexithymia construct and a new opportunity to integrate and extend Freud's legacy. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 55, 594-611.	6.1	152
3	The neural basis of one's own conscious and unconscious emotional states. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 57, 1-29.	6.1	137
4	Reconciling cognitive and affective neuroscience perspectives on the brain basis of emotional experience. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 187-215.	6.1	98
5	Deeply Felt Affect: The Emergence of Valence in Deep Active Inference. <i>Neural Computation</i> , 2021, 33, 398-446.	2.2	94
6	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> , 2020, 16, e1008484.	3.2	81
7	Antidepressant effects of sertraline associated with volume increases in dorsolateral prefrontal cortex. <i>Journal of Affective Disorders</i> , 2013, 146, 414-419.	4.1	80
8	Recent advances in the application of predictive coding and active inference models within clinical neuroscience. <i>Psychiatry and Clinical Neurosciences</i> , 2021, 75, 3-13.	1.8	76
9	Simulating Emotions: An Active Inference Model of Emotional State Inference and Emotion Concept Learning. <i>Frontiers in Psychology</i> , 2019, 10, 2844.	2.1	73
10	A step-by-step tutorial on active inference and its application to empirical data. <i>Journal of Mathematical Psychology</i> , 2022, 107, 102632.	1.8	69
11	Unconscious emotion: A cognitive neuroscientific perspective. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 69, 216-238.	6.1	68
12	The structure of emotional experience and its relation to trait emotional awareness: A theoretical review.. <i>Emotion</i> , 2018, 18, 670-692.	1.8	65
13	Subgenual anterior cingulate cortex activity covariation with cardiac vagal control is altered in depression. <i>Journal of Affective Disorders</i> , 2013, 150, 565-570.	4.1	64
14	Gratitude and Subjective Wellbeing: A Proposal of Two Causal Frameworks. <i>Journal of Happiness Studies</i> , 2018, 19, 1519-1542.	3.2	64
15	Exposure to Blue Light Increases Subsequent Functional Activation of the Prefrontal Cortex During Performance of a Working Memory Task. <i>Sleep</i> , 2016, 39, 1671-1680.	1.1	61
16	Neurocomputational mechanisms underlying emotional awareness: Insights afforded by deep active inference and their potential clinical relevance. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 473-491.	6.1	60
17	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> , 2017, 12, 848-860.	3.0	48
18	An Active Inference Approach to Modeling Structure Learning: Concept Learning as an Example Case. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 41.	2.1	46

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19	Brain and behavior changes associated with an abbreviated 4â€week mindfulnessâ€based stress reduction course in back pain patients. <i>Brain and Behavior</i> , 2016, 6, e00443.	2.2	45
20	The role of medial prefrontal cortex in the working memory maintenance of oneâ€™s own emotional responses. <i>Scientific Reports</i> , 2018, 8, 3460.	3.3	45
21	A neuro-cognitive process model of emotional intelligence. <i>Biological Psychology</i> , 2018, 139, 131-151.	2.2	45
22	The predictive global neuronal workspace: A formal active inference model of visual consciousness. <i>Progress in Neurobiology</i> , 2021, 199, 101918.	5.7	44
23	Imprecise action selection in substance use disorder: Evidence for active learning impairments when solving the explore-exploit dilemma. <i>Drug and Alcohol Dependence</i> , 2020, 215, 108208.	3.2	42
24	Biased Competition Favoring Physical Over Emotional Pain: A Possible Explanation for the Link Between Early Adversity and Chronic Pain. <i>Psychosomatic Medicine</i> , 2018, 80, 880-890.	2.0	41
25	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> , 2015, 108, 13-24.	2.2	40
26	Resting state functional connectivity correlates of emotional awareness. <i>NeuroImage</i> , 2017, 159, 99-106.	4.2	39
27	Sex differences in emotion recognition ability: The mediating role of trait emotional awareness. <i>Motivation and Emotion</i> , 2018, 42, 149-160.	1.3	38
28	Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modelling approach. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E74-E87.	2.4	37
29	Nested positive feedback loops in the maintenance of major depression: An integration and extension of previous models. <i>Brain, Behavior, and Immunity</i> , 2018, 67, 374-397.	4.1	34
30	Acute exposure to blue wavelength light during memory consolidation improves verbal memory performance. <i>PLoS ONE</i> , 2017, 12, e0184884.	2.5	33
31	Role of medial prefrontal cortex in representing oneâ€™s own subjective emotional responses: A preliminary study. <i>Consciousness and Cognition</i> , 2014, 29, 117-130.	1.5	32
32	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> , 2011, 5, 229-239.	2.1	30
33	Levels of Emotional Awareness: Theory and Measurement of a Socio-Emotional Skill. <i>Journal of Intelligence</i> , 2021, 9, 42.	2.5	30
34	Emotional intelligence is associated with connectivity within and between resting state networks. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1624-1636.	3.0	28
35	Increases in Emotional Intelligence After an Online Training Program Are Associated With Better Decision-Making on the Iowa Gambling Task. <i>Psychological Reports</i> , 2019, 122, 853-879.	1.7	28
36	The Relationship Between General Intelligence and Cortical Structure in Healthy Individuals. <i>Neuroscience</i> , 2018, 388, 36-44.	2.3	26

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37	Perceptual insensitivity to the modulation of interoceptive signals in depression, anxiety, and substance use disorders. <i>Scientific Reports</i> , 2021, 11, 2108.	3.3	26
38	Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. <i>Scientific Reports</i> , 2021, 11, 11783.	3.3	26
39	Blue-Light Therapy following Mild Traumatic Brain Injury: Effects on White Matter Water Diffusion in the Brain. <i>Frontiers in Neurology</i> , 2017, 8, 616.	2.4	25
40	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> , 2014, 224, 225-233.	1.8	24
41	Elevated Aggression and Reduced White Matter Integrity in Mild Traumatic Brain Injury: A DTI Study. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 118.	2.0	24
42	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> , 2019, 81, 125-145.	2.0	24
43	Developmental Contributions to Emotional Awareness. <i>Journal of Personality Assessment</i> , 2019, 101, 150-158.	2.1	24
44	Gut inference: A computational modelling approach. <i>Biological Psychology</i> , 2021, 164, 108152.	2.2	24
45	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> , 2018, 13, 665-675.	3.0	23
46	Emotional intelligence training as a protective factor for mental health during the COVID-19 pandemic. <i>Depression and Anxiety</i> , 2021, 38, 1018-1025.	4.1	23
47	Greater cortical thickness within the limbic visceromotor network predicts higher levels of trait emotional awareness. <i>Consciousness and Cognition</i> , 2018, 57, 54-61.	1.5	22
48	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> , 2018, 12, 370.	2.0	20
49	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> , 2019, 68, 33-46.	1.5	19
50	Computational Mechanisms of Addiction: Recent Evidence and Its Relevance to Addiction Medicine. <i>Current Addiction Reports</i> , 2021, 8, 509-519.	3.4	19
51	The neural basis of attaining conscious awareness of sad mood. <i>Brain Imaging and Behavior</i> , 2015, 9, 574-587.	2.1	18
52	Exposure to blue wavelength light modulates anterior cingulate cortex activation in response to "uncertain" versus "certain" anticipation of positive stimuli. <i>Neuroscience Letters</i> , 2016, 616, 5-10.	2.1	18
53	Highways of the emotional intellect: white matter microstructural correlates of an ability-based measure of emotional intelligence. <i>Social Neuroscience</i> , 2017, 12, 253-267.	1.3	18
54	Resting-state functional connectivity as a biomarker of aggression in mild traumatic brain injury. <i>NeuroReport</i> , 2018, 29, 1413-1417.	1.2	18

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55	Chronic Sleep Restriction Increases Negative Implicit Attitudes Toward Arab Muslims. <i>Scientific Reports</i> , 2017, 7, 4285.	3.3	17
56	From Generative Models to Generative Passages: A Computational Approach to (Neuro) Phenomenology. <i>Review of Philosophy and Psychology</i> , 2022, 13, 829-857.	1.8	17
57	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> , 2020, 154, 107925.	2.2	15
58	Lower Levels of Directed Exploration and Reflective Thinking Are Associated With Greater Anxiety and Depression. <i>Frontiers in Psychiatry</i> , 2021, 12, 782136.	2.6	14
59	Chronic sleep restriction affects the association between implicit bias and explicit social decision making. <i>Sleep Health</i> , 2018, 4, 456-462.	2.5	13
60	Neural and phenotypic representation under the free-energy principle. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 109-122.	6.1	13
61	Explanation, understanding, and control. <i>Synthese</i> , 2014, 191, 4169-4200.	1.1	12
62	Disentangling introspective and exteroceptive attentional control from emotional appraisal in depression using fMRI: A preliminary study. <i>Psychiatry Research - Neuroimaging</i> , 2016, 248, 39-47.	1.8	12
63	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> , 2017, 11, 685-697.	2.1	12
64	A neuro-cognitive defense of the unified self. <i>Consciousness and Cognition</i> , 2017, 48, 21-39.	1.5	12
65	The role of anterior and midcingulate cortex in emotional awareness: A domain-general processing perspective. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2019, 166, 89-101.	1.8	12
66	Sophisticated Affective Inference: Simulating Anticipatory Affective Dynamics of Imagining Future Events. <i>Communications in Computer and Information Science</i> , 2020, , 179-186.	0.5	11
67	An Active Inference Approach to Dissecting Reasons for Nonadherence to Antidepressants. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 919-934.	1.5	10
68	The Association Between Trait Gratitude and Self-Reported Sleep Quality Is Mediated by Depressive Mood State. <i>Behavioral Sleep Medicine</i> , 2019, 17, 41-48.	2.1	10
69	Active inference models do not contradict folk psychology. <i>Synthese</i> , 2022, 200, 1.	1.1	10
70	Slower Learning Rates from Negative Outcomes in Substance Use Disorder over a 1-Year Period and Their Potential Predictive Utility. <i>Computational Psychiatry</i> , 2022, 6, 117.	2.0	10
71	Chronic sleep restriction differentially affects implicit biases toward food among men and women: preliminary evidence. <i>Journal of Sleep Research</i> , 2018, 27, e12629.	3.2	9
72	Higher Emotional Awareness Is Associated With Reduced Pain in Irritable Bowel Syndrome Patients: Preliminary Results. <i>Psychological Reports</i> , 2020, 123, 2227-2247.	1.7	9

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73	Affective agnosia: a core affective processing deficit in the alexithymia spectrum. <i>BioPsychoSocial Medicine</i> , 2020, 14, .	2.1	9
74	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: insights from active inference. <i>Scientific Reports</i> , 2021, 11, 10128.	3.3	9
75	Unwanted reminders: The effects of emotional memory suppression on subsequent neuro-cognitive processing. <i>Consciousness and Cognition</i> , 2016, 44, 103-113.	1.5	8
76	Do Brains Have an Arrow of Time?. <i>Philosophy of Science</i> , 2014, 81, 265-275.	1.0	6
77	The relationship between consciousness, understanding, and rationality. <i>Philosophical Psychology</i> , 2016, 29, 943-957.	0.9	6
78	Regional Frontal Lobe Response Magnitudes During Affective Shifting Covary With Resting Heart Rate Variability in Healthy Volunteers. <i>Journal of Psychophysiology</i> , 2016, 30, 165-174.	0.7	6
79	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> , 2022, 3, 100036.	2.3	6
80	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> , 2018, 12, 685-696.	2.1	5
81	The Role of Prefrontal Cortical Surface Area and Volume in Preclinical Suicidal Ideation in a Non-Clinical Sample. <i>Frontiers in Psychiatry</i> , 2019, 10, 445.	2.6	5
82	Decision-making deficits in substance use disorders. , 2020, , 25-61.		5
83	Confirmatory Evidence that Healthy Individuals Can Adaptively Adjust Prior Expectations and Interceptive Precision Estimates. <i>Communications in Computer and Information Science</i> , 2020, , 156-164.	0.5	5
84	Lower emotional awareness is associated with greater early adversity and faster life history strategy.. <i>Evolutionary Behavioral Sciences</i> , 2023, 17, 1-15.	0.8	4
85	Implicit self-esteem is associated with higher levels of trait gratitude in women but not men. <i>Journal of Positive Psychology</i> , 2019, 14, 587-592.	4.0	3
86	Parameters as Trait Indicators: Exploring a Complementary Neurocomputational Approach to Conceptualizing and Measuring Trait Differences in Emotional Intelligence. <i>Frontiers in Psychology</i> , 2019, 10, 848.	2.1	3
87	Grateful People Are Happy and Healthyâ€”But Why?. <i>Frontiers for Young Minds</i> , 2017, 5, .	0.8	2
88	Successful Goal-Directed Memory Suppression is Associated With Increased Inter-Hemispheric Coordination Between Right and Left Frontoparietal Control Networks. <i>Psychological Reports</i> , 2018, 121, 93-111.	1.7	2
89	Harnessing unconscious emotional learning in specific phobia. <i>Lancet Psychiatry</i> , the, 2020, 7, 922-923.	7.4	2
90	How Do Emotions Work?. <i>Frontiers for Young Minds</i> , 2017, 5, .	0.8	1

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91	The Mediating Role of Interpretation Bias on the Relationship Between Trait Gratitude and Depressive Symptoms. <i>International Journal of Applied Positive Psychology</i> , 2019, 4, 135-147.	2.3	1
92	In vitro biological dosimeter modeling of the glioblastoma response to radiation delivered by the Gamma Knife. <i>Journal of Neurosurgery</i> , 2010, 113, 222-227.	1.6	1
93	Thinking through others's™ emotions: Incorporating the role of emotional state inference in thinking through other minds. <i>Behavioral and Brain Sciences</i> , 2020, 43, e114.	0.7	1
94	Higher emotional awareness is associated with greater domain-general reflective tendencies. <i>Scientific Reports</i> , 2022, 12, 3123.	3.3	1
95	Sex differences in circulating inflammatory mediators as a function of substance use disorder. <i>Drug and Alcohol Dependence</i> , 2021, 221, 108610.	3.2	0
96	Is the concept of affective agnosia a useful addition to the alexithymia literature?. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 747-748.	6.1	0
97	Subjective Experience and Its Neural Basis. , 2021, , 253-284.		0