

Jonathan Paul Roiser

List of Publications by Citations

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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.

137
papers

7,515
citations

48
h-index

85
g-index

153
ext. papers

9,080
ext. citations

5.6
avg, IF

6.27
L-index

#	Paper	IF	Citations
137	Reward and punishment processing in depression. <i>Biological Psychiatry</i> , 2010 , 68, 118-24	7.9	371
136	Cognitive mechanisms of treatment in depression. <i>Neuropsychopharmacology</i> , 2012 , 37, 117-36	8.7	319
135	The Lancet Psychiatry Commission on psychological treatments research in tomorrow's science. <i>Lancet Psychiatry</i> , 2018 , 5, 237-286	23.3	268
134	Striatal prediction error modulates cortical coupling. <i>Journal of Neuroscience</i> , 2010 , 30, 3210-9	6.6	242
133	Atomoxetine modulates right inferior frontal activation during inhibitory control: a pharmacological functional magnetic resonance imaging study. <i>Biological Psychiatry</i> , 2009 , 65, 550-5	7.9	232
132	Bonsai trees in your head: how the pavlovian system sculpts goal-directed choices by pruning decision trees. <i>PLoS Computational Biology</i> , 2012 , 8, e1002410	5	217
131	Hot and cold cognition in depression. <i>CNS Spectrums</i> , 2013 , 18, 139-49	1.8	201
130	Chronic cocaine but not chronic amphetamine use is associated with perseverative responding in humans. <i>Psychopharmacology</i> , 2008 , 197, 421-31	4.7	200
129	Do patients with schizophrenia exhibit aberrant salience?. <i>Psychological Medicine</i> , 2009 , 39, 199-209	6.9	195
128	Neuroscience of apathy and anhedonia: a transdiagnostic approach. <i>Nature Reviews Neuroscience</i> , 2018 , 19, 470-484	13.5	184
127	A genetically mediated bias in decision making driven by failure of amygdala control. <i>Journal of Neuroscience</i> , 2009 , 29, 5985-91	6.6	165
126	Encoding of marginal utility across time in the human brain. <i>Journal of Neuroscience</i> , 2009 , 29, 9575-81	6.6	163
125	Serotonin selectively modulates reward value in human decision-making. <i>Journal of Neuroscience</i> , 2012 , 32, 5833-42	6.6	161
124	Neural response to catecholamine depletion in unmedicated subjects with major depressive disorder in remission and healthy subjects. <i>Archives of General Psychiatry</i> , 2008 , 65, 521-31		159
123	Developmental influences on the neural bases of responses to social rejection: implications of social neuroscience for education. <i>NeuroImage</i> , 2011 , 57, 686-94	7.9	153
122	Neural and behavioral correlates of aberrant salience in individuals at risk for psychosis. <i>Schizophrenia Bulletin</i> , 2013 , 39, 1328-36	1.3	145
121	Intact reward learning but elevated delay discounting in Parkinson's disease patients with impulsive-compulsive spectrum behaviors. <i>Neuropsychopharmacology</i> , 2010 , 35, 2155-64	8.7	133

120	Neural correlates of change in major depressive disorder anhedonia following open-label ketamine. <i>Journal of Psychopharmacology</i> , 2015 , 29, 596-607	4.6	128
119	Habenula volume in bipolar disorder and major depressive disorder: a high-resolution magnetic resonance imaging study. <i>Biological Psychiatry</i> , 2011 , 69, 336-43	7.9	124
118	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014 , 24, 5-50	1.2	121
117	Understanding why patients with schizophrenia do not perceive the hollow-mask illusion using dynamic causal modelling. <i>NeuroImage</i> , 2009 , 46, 1180-6	7.9	120
116	Cognitive heterogeneity in schizophrenia. <i>Current Opinion in Psychiatry</i> , 2007 , 20, 268-72	4.9	111
115	Computational Psychiatry: towards a mathematically informed understanding of mental illness. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 53-63	5.5	109
114	Neurocomputational mechanisms of prosocial learning and links to empathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9763-8	11.5	104
113	The effects of acute tryptophan depletion and serotonin transporter polymorphism on emotional processing in memory and attention. <i>International Journal of Neuropsychopharmacology</i> , 2007 , 10, 449-61	5.8	94
112	The habenula encodes negative motivational value associated with primary punishment in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11858-63	11.5	93
111	Interplay of approximate planning strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3098-103	11.5	92
110	The effects of tryptophan depletion on neural responses to emotional words in remitted depression. <i>Biological Psychiatry</i> , 2009 , 66, 441-50	7.9	92
109	Investigating associations between empathy, morality and psychopathic personality traits in the general population. <i>Personality and Individual Differences</i> , 2012 , 52, 67-71	3.3	88
108	Response perseveration in stimulant dependence is associated with striatal dysfunction and can be ameliorated by a D(2/3) receptor agonist. <i>Biological Psychiatry</i> , 2011 , 70, 754-762	7.9	87
107	The effect of polymorphism at the serotonin transporter gene on decision-making, memory and executive function in ecstasy users and controls. <i>Psychopharmacology</i> , 2006 , 188, 213-27	4.7	84
106	Effective connectivity during processing of facial affect: evidence for multiple parallel pathways. <i>Journal of Neuroscience</i> , 2011 , 31, 14378-85	6.6	79
105	26.3 SALIENCE SIGNALING AND THE EMERGENCE OF PSYCHOPATHOLOGY IN YOUTH AT CLINICAL HIGH RISK FOR PSYCHOTIC ILLNESS. <i>Schizophrenia Bulletin</i> , 2018 , 44, S43-S43	1.3	78
104	Hot and cold cognition in unmedicated depressed subjects with bipolar disorder. <i>Bipolar Disorders</i> , 2009 , 11, 178-89	3.8	76
103	Serotonin transporter polymorphism mediates vulnerability to loss of incentive motivation following acute tryptophan depletion. <i>Neuropsychopharmacology</i> , 2006 , 31, 2264-72	8.7	72

102	Enhanced Risk Aversion, But Not Loss Aversion, in Unmedicated Pathological Anxiety. <i>Biological Psychiatry</i> , 2017 , 81, 1014-1022	7.9	70
101	Losing the rose tinted glasses: neural substrates of unbiased belief updating in depression. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 639	3.3	70
100	Defining the habenula in human neuroimaging studies. <i>NeuroImage</i> , 2013 , 64, 722-7	7.9	69
99	The subjective and cognitive effects of acute phenylalanine and tyrosine depletion in patients recovered from depression. <i>Neuropsychopharmacology</i> , 2005 , 30, 775-85	8.7	69
98	Encoding of Vicarious Reward Prediction in Anterior Cingulate Cortex and Relationship with Trait Empathy. <i>Journal of Neuroscience</i> , 2015 , 35, 13720-7	6.6	68
97	The effect of acute tryptophan depletion on the neural correlates of emotional processing in healthy volunteers. <i>Neuropsychopharmacology</i> , 2008 , 33, 1992-2006	8.7	63
96	Modeling Avoidance in Mood and Anxiety Disorders Using Reinforcement Learning. <i>Biological Psychiatry</i> , 2017 , 82, 532-539	7.9	59
95	Association of a functional polymorphism in the serotonin transporter gene with abnormal emotional processing in ecstasy users. <i>American Journal of Psychiatry</i> , 2005 , 162, 609-12	11.9	58
94	Unreliability of putative fMRI biomarkers during emotional face processing. <i>NeuroImage</i> , 2017 , 156, 119-127	7.9	56
93	Relationship between ecstasy use and depression: a study controlling for poly-drug use. <i>Psychopharmacology</i> , 2004 , 173, 411-7	4.7	54
92	Give it time: neural evidence for distorted time perception and enhanced memory encoding in emotional situations. <i>NeuroImage</i> , 2012 , 63, 591-9	7.9	51
91	Differences in orbitofrontal activation during decision-making between methadone-maintained opiate users, heroin users and healthy volunteers. <i>Psychopharmacology</i> , 2006 , 188, 364-73	4.7	48
90	Punishment induces risky decision-making in methadone-maintained opiate users but not in heroin users or healthy volunteers. <i>Neuropsychopharmacology</i> , 2005 , 30, 2115-24	8.7	48
89	EMOTICOM: A Neuropsychological Test Battery to Evaluate Emotion, Motivation, Impulsivity, and Social Cognition. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 25	3.5	47
88	Empathy, morality and psychopathic traits in women. <i>Personality and Individual Differences</i> , 2013 , 55, 328-333	3.3	46
87	Reward processing after catecholamine depletion in unmedicated, remitted subjects with major depressive disorder. <i>Biological Psychiatry</i> , 2009 , 66, 201-5	7.9	46
86	Dysconnectivity in the frontoparietal attention network in schizophrenia. <i>Frontiers in Psychiatry</i> , 2013 , 4, 176	5	45
85	Models of Affective Decision Making: How Do Feelings Predict Choice?. <i>Psychological Science</i> , 2016 , 27, 763-75	7.9	44

84	Power-up: A Reanalysis of 'Power Failure' in Neuroscience Using Mixture Modeling. <i>Journal of Neuroscience</i> , 2017 , 37, 8051-8061	6.6	42
83	Peripheral biomarkers of cognitive response to dopamine receptor agonist treatment. <i>Psychopharmacology</i> , 2011 , 214, 779-89	4.7	41
82	Modulation of motivational salience processing during the early stages of psychosis. <i>Schizophrenia Research</i> , 2015 , 166, 17-23	3.6	38
81	Resting state connectivity of the human habenula at ultra-high field. <i>NeuroImage</i> , 2017 , 147, 872-879	7.9	38
80	Neural predictors of treatment response to brain stimulation and psychological therapy in depression: a double-blind randomized controlled trial. <i>Neuropsychopharmacology</i> , 2019 , 44, 1613-1622	8.7	36
79	Association between habenula dysfunction and motivational symptoms in unmedicated major depressive disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2017 , 12, 1520-1533	4	34
78	Altered learning under uncertainty in unmedicated mood and anxiety disorders. <i>Nature Human Behaviour</i> , 2019 , 3, 1116-1123	12.8	34
77	Aberrant Salience Is Related to Reduced Reinforcement Learning Signals and Elevated Dopamine Synthesis Capacity in Healthy Adults. <i>Journal of Neuroscience</i> , 2015 , 35, 10103-11	6.6	34
76	Adaptive and aberrant reward prediction signals in the human brain. <i>NeuroImage</i> , 2010 , 50, 657-64	7.9	34
75	fMRI in translation: the challenges facing real-world applications. <i>Frontiers in Human Neuroscience</i> , 2009 , 3, 63	3.3	34
74	Effect of Citalopram on Emotion Processing in Humans: A Combined 5-HT [C]CUMI-101 PET and Functional MRI Study. <i>Neuropsychopharmacology</i> , 2018 , 43, 655-664	8.7	34
73	Uncertainty about mapping future actions into rewards may underlie performance on multiple measures of impulsivity in behavioral addiction: evidence from Parkinson's disease. <i>Behavioral Neuroscience</i> , 2013 , 127, 245-55	2.1	33
72	Affective resonance in response to others' emotional faces varies with affective ratings and psychopathic traits in amygdala and anterior insula. <i>Social Neuroscience</i> , 2016 , 11, 140-152	2	32
71	Dynamic causal modelling of effective connectivity during perspective taking in a communicative task. <i>NeuroImage</i> , 2013 , 76, 116-24	7.9	30
70	Anhedonia is associated with blunted reward sensitivity in first-degree relatives of patients with major depression. <i>Journal of Affective Disorders</i> , 2016 , 190, 640-648	6.6	29
69	Emotion-induced loss aversion and striatal-amygdala coupling in low-anxious individuals. <i>Social Cognitive and Affective Neuroscience</i> , 2016 , 11, 569-79	4	29
68	Serotonin transporter genotype modulates subgenual response to fearful faces using an incidental task. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 3681-93	3.1	29
67	Does excitatory fronto-extracerebral tDCS lead to improved working memory performance?. <i>F1000Research</i> , 2013 , 2, 219	3.6	28

66	Reward-Processing Behavior in Depressed Participants Relative to Healthy Volunteers: A Systematic Review and Meta-analysis. <i>JAMA Psychiatry</i> , 2020 , 77, 1286-1295	14.5	28
65	Attractor-like Dynamics in Belief Updating in Schizophrenia. <i>Journal of Neuroscience</i> , 2018 , 38, 9471-9485	5.6	28
64	Reliability of 7T (1) H-MRS measured human prefrontal cortex glutamate, glutamine, and glutathione signals using an adapted echo time optimized PRESS sequence: A between- and within-sessions investigation. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 88-98	5.6	24
63	The impact of threat of shock on the framing effect and temporal discounting: executive functions unperturbed by acute stress?. <i>Frontiers in Psychology</i> , 2015 , 6, 1315	3.4	23
62	Neuropsychological function in ecstasy users: a study controlling for polydrug use. <i>Psychopharmacology</i> , 2007 , 189, 505-16	4.7	23
61	Anticipation of guilt for everyday moral transgressions: The role of the anterior insula and the influence of interpersonal psychopathic traits. <i>Scientific Reports</i> , 2016 , 6, 36273	4.9	23
60	7T H-MRS in major depressive disorder: a Ketamine Treatment Study. <i>Neuropsychopharmacology</i> , 2018 , 43, 1908-1914	8.7	21
59	Does excitatory fronto-extracerebral tDCS lead to improved working memory performance?. <i>F1000Research</i> , 2013 , 2, 219	3.6	21
58	Adaptation of social and non-social cues to direction in adults with autism spectrum disorder and neurotypical adults with autistic traits. <i>Developmental Cognitive Neuroscience</i> , 2018 , 29, 108-116	5.5	20
57	Evaluation of state and trait biomarkers in healthy volunteers for the development of novel drug treatments in schizophrenia. <i>Journal of Psychopharmacology</i> , 2011 , 25, 1207-25	4.6	20
56	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. <i>Biological Psychiatry</i> , 2020 , 88, e5-e10	7.9	19
55	Assessing the construct validity of aberrant salience. <i>Frontiers in Behavioral Neuroscience</i> , 2009 , 3, 58	3.5	19
54	Emotion-induced retrograde amnesia is determined by a 5-HTT genetic polymorphism. <i>Journal of Neuroscience</i> , 2008 , 28, 7036-9	6.6	19
53	The impact of stress on financial decision-making varies as a function of depression and anxiety symptoms. <i>PeerJ</i> , 2015 , 3, e770	3.1	19
52	Presynaptic Serotonergic Regulation of Emotional Processing: A Multimodal Brain Imaging Study. <i>Biological Psychiatry</i> , 2015 , 78, 563-571	7.9	16
51	Searching for an anchor in an unpredictable world: A computational model of obsessive compulsive disorder. <i>Psychological Review</i> , 2020 , 127, 672-699	6.3	16
50	Ketamine modulates fronto-striatal circuitry in depressed and healthy individuals. <i>Molecular Psychiatry</i> , 2021 , 26, 3292-3301	15.1	16
49	Dopamine Regulates Approach-Avoidance in Human Sensation-Seeking. <i>International Journal of Neuropsychopharmacology</i> , 2015 , 18, pyv041	5.8	13

48	Anxiety promotes memory for mood-congruent faces but does not alter loss aversion. <i>Scientific Reports</i> , 2016 , 6, 24746	4.9	13
47	Prefrontal cortex stimulation does not affect emotional bias, but may slow emotion identification. <i>Social Cognitive and Affective Neuroscience</i> , 2017 , 12, 839-847	4	13
46	The Neural Basis of Aversive Pavlovian Guidance during Planning. <i>Journal of Neuroscience</i> , 2017 , 37, 102155-10229	4.6	12
45	Serotonin transporter genotype differentially modulates neural responses to emotional words following tryptophan depletion in patients recovered from depression and healthy volunteers. <i>Journal of Psychopharmacology</i> , 2012 , 26, 1434-42	4.6	12
44	Reliability of Fronto-Amygdala Coupling during Emotional Face Processing. <i>Brain Sciences</i> , 2019 , 9,	3.4	11
43	Threat of shock and aversive inhibition: Induced anxiety modulates Pavlovian-instrumental interactions. <i>Journal of Experimental Psychology: General</i> , 2017 , 146, 1694-1704	4.7	11
42	Anxiety makes time pass quicker while fear has no effect. <i>Cognition</i> , 2020 , 197, 104116	3.5	11
41	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	5.1	10
40	Are persistent delusions in schizophrenia associated with aberrant salience?. <i>Schizophrenia Research: Cognition</i> , 2016 , 4, 32-38	2.8	10
39	Corticolimbic dysfunction during facial and prosodic emotional recognition in first-episode psychosis patients and individuals at ultra-high risk. <i>NeuroImage: Clinical</i> , 2016 , 12, 645-654	5.3	10
38	Factors associated with depression in people with inflammatory bowel disease: The relationship between active disease and biases in neurocognitive processing. <i>Neurogastroenterology and Motility</i> , 2019 , 31, e13647	4	9
37	Cognitive Impairment and Depression-Cause, Consequence, or Coincidence?. <i>JAMA Psychiatry</i> , 2019 , 76, 239-240	14.5	8
36	Assessment of cognitive safety in clinical drug development. <i>Drug Discovery Today</i> , 2016 , 21, 445-53	8.8	7
35	Cooperative Behavior in the Ultimatum Game and Prisoner's Dilemma Depends on Players' Contributions. <i>Frontiers in Psychology</i> , 2017 , 8, 1017	3.4	7
34	The relationship between reward and punishment processing and the 5-HT1A receptor as shown by PET. <i>Psychopharmacology</i> , 2014 , 231, 2579-86	4.7	7
33	Neuropsychology of affective disorders. <i>Psychiatry (Abingdon, England)</i> , 2009 , 8, 91-96		7
32	The impact of COVID-19 social isolation on aspects of emotional and social cognition. <i>Cognition and Emotion</i> , 2021 , 1-10	2.3	7
31	Influence of theta-burst transcranial magnetic stimulation over the dorsolateral prefrontal cortex on emotion processing in healthy volunteers. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020 , 20, 1278-1293	3.5	5

30	Shared Neural Mechanisms for the Evaluation of Intense Sensory Stimulation and Economic Reward, Dependent on Stimulation-Seeking Behavior. <i>Journal of Neuroscience</i> , 2016 , 36, 10026-38	6.6	5
29	The Role of Serotonin in Aversive Inhibition: Behavioural, Cognitive and Neural Perspectives. <i>Psychopathology Review</i> , 2016 , a3, 29-40		4
28	Postdecision Evidence Integration and Depressive Symptoms. <i>Frontiers in Psychiatry</i> , 2019 , 10, 639	5	4
27	How representative are neuroimaging samples? Large-scale evidence for trait anxiety differences between fMRI and behaviour-only research participants. <i>Social Cognitive and Affective Neuroscience</i> , 2021 , 16, 1057-1070	4	4
26	Hot and cold cognition in major depressive disorder		4
25	Peripheral Serotonin 1B Receptor Transcription Predicts the Effect of Acute Tryptophan Depletion on Risky Decision-Making. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 58-66	5.8	4
24	Does overloading cognitive resources mimic the impact of anxiety on temporal cognition?. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2020 , 46, 1828-1835	2.2	3
23	Risk-taking to obtain reward: sex differences and associations with emotional and depressive symptoms in a nationally representative cohort of UK adolescents. <i>Psychological Medicine</i> , 2021 , 1-9	6.9	3
22	Information Processing in Mood Disorders		2
21	Neuropsychology of mood disorders. <i>Psychiatry (Abingdon, England)</i> , 2006 , 5, 158-162		2
20	Short-Term Fasting Selectively Influences Impulsivity in Healthy Individuals. <i>Frontiers in Psychology</i> , 2020 , 11, 1644	3.4	2
19	Disrupted reward processing in Parkinson's disease and its relationship with dopamine state and neuropsychiatric syndromes: a systematic review and meta-analysis.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 ,	5.5	2
18	Neuroimaging: a scanner, colourfully. <i>Current Biology</i> , 2012 , 22, R231-3	6.3	1
17	New perspectives on techniques for the clinical psychiatrist: Brain stimulation, chronobiology and psychiatric brain imaging. <i>Psychiatry and Clinical Neurosciences</i> , 2008 , 62, 627-37	6.2	1
16	Pleasure, Reward Value, Prediction Error and Anhedonia.. <i>Current Topics in Behavioral Neurosciences</i> , 2022 ,	3.4	1
15	The acute effects of cannabidiol on emotional processing and anxiety: a neurocognitive imaging study		1
14	Short-term fasting selectively influences impulsivity in healthy individuals		1
13	Risk taking to obtain reward: gender differences and associations with emotional and depressive symptoms in a nationally representative cohort of UK adolescents		1

12	Cognitive impairment in depression and its (non-)response to antidepressant treatment. <i>Evidence-Based Mental Health</i> , 2016 , 19, e23	11.1	1
11	Reliability of decision-making and reinforcement learning computational parameters		1
10	The acute effects of cannabidiol on emotional processing and anxiety: a neurocognitive imaging study. <i>Psychopharmacology</i> , 2022 , 1	4.7	1
9	Recall bias during adolescence: Gender differences and associations with depressive symptoms. <i>Journal of Affective Disorders</i> , 2021 , 282, 299-307	6.6	0
8	A comparison of 'pruning' during multi-step planning in depressed and healthy individuals. <i>Psychological Medicine</i> , 2021 , 1-9	6.9	0
7	Relations Among Anhedonia, Reinforcement Learning, and Global Functioning in Help-seeking Youth. <i>Schizophrenia Bulletin</i> , 2021 , 47, 1534-1543	1.3	0
6	The acute and non-acute effects of cannabis on reward processing: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 130, 512-528	9	0
5	The role of greenspace deprivation in children's decision-making. <i>Urban Forestry and Urban Greening</i> , 2022 , 69, 127515	5.4	0
4	[P2079]: SELF-SCHEMA ALTERATIONS IN DEMENTIA 2017 , 13, P824-P824		
3	[P1504]: TACTILE PROCESSING IN DEMENTIA 2017 , 13, P486-P486		
2	The role of urban greenspace in children's reward and punishment sensitivity. <i>Landscape Research</i> , 1-15	1.4	
1	Internality and the internalisation of failure: Evidence from a novel task. <i>PLoS Computational Biology</i> , 2021 , 17, e1009134	5	