Robb B Rutledge

List of Publications by Year
in descending order

53 papers	3,788 citations	186265 28 h-index	182427 51 g-index
69 all docs	69 docs citations	69 times ranked	4309 citing authors

#	Article	IF	Citations
1	A computational and neural model of momentary subjective well-being. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12252-12257.	7.1	322
2	Phasic Dopamine Release in the Rat Nucleus Accumbens Symmetrically Encodes a Reward Prediction Error Term. Journal of Neuroscience, 2014, 34, 698-704.	3.6	238
3	Mood as Representation of Momentum. Trends in Cognitive Sciences, 2016, 20, 15-24.	7.8	220
4	Melanesian and Asian Origins of Polynesians: mtDNA and Y Chromosome Gradients Across the Pacific. Molecular Biology and Evolution, 2006, 23, 2234-2244.	8.9	216
5	Computations of uncertainty mediate acute stress responses in humans. Nature Communications, 2016, 7, 10996.	12.8	216
6	Dopaminergic Drugs Modulate Learning Rates and Perseveration in Parkinson's Patients in a Dynamic Foraging Task. Journal of Neuroscience, 2009, 29, 15104-15114.	3.6	213
7	Testing the Reward Prediction Error Hypothesis with an Axiomatic Model. Journal of Neuroscience, 2010, 30, 13525-13536.	3.6	190
8	Choice from Non-Choice: Predicting Consumer Preferences from Blood Oxygenation Level-Dependent Signals Obtained during Passive Viewing. Journal of Neuroscience, 2011, 31, 118-125.	3.6	184
9	Dopaminergic Modulation of Decision Making and Subjective Well-Being. Journal of Neuroscience, 2015, 35, 9811-9822.	3.6	174
10	Association of Neural and Emotional Impacts of Reward Prediction Errors With Major Depression. JAMA Psychiatry, 2017, 74, 790.	11.0	150
11	Machine learning and big data in psychiatry: toward clinical applications. Current Opinion in Neurobiology, 2019, 55, 152-159.	4.2	142
12	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.	7.1	91
13	Crowdsourcing for Cognitive Science â€" The Utility of Smartphones. PLoS ONE, 2014, 9, e100662.	2.5	90
14	The right tool for the job: what strategies do wild New Caledonian crows use?. Animal Cognition, 2006, 9, 307-316.	1.8	86
15	Risk Taking for Potential Reward Decreases across the Lifespan. Current Biology, 2016, 26, 1634-1639.	3.9	85
16	Neural and computational processes underlying dynamic changes in self-esteem. ELife, 2017, 6, .	6.0	83
17	Beliefs about bad people are volatile. Nature Human Behaviour, 2018, 2, 750-756.	12.0	82
18	Lateralized tool use in wild New Caledonian crows. Animal Behaviour, 2004, 67, 327-332.	1.9	77

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19	The Psychological and Neural Basis of Loss Aversion. Current Directions in Psychological Science, 2019, 28, 20-27.	5.3	76
20	Mood Instability and Reward Dysregulationâ€"A Neurocomputational Model of Bipolar Disorder. JAMA Psychiatry, 2017, 74, 1275.	11.0	75
21	Dopamine Increases a Value-Independent Gambling Propensity. Neuropsychopharmacology, 2016, 41, 2658-2667.	5.4	58
22	Proactive and Reactive Response Inhibition across the Lifespan. PLoS ONE, 2015, 10, e0140383.	2.5	58
23	Measuring Beliefs and Rewards: A Neuroeconomic Approach*. Quarterly Journal of Economics, 2010, 125, 923-960.	8.6	55
24	Oxytocin modulates social value representations in the amygdala. Nature Neuroscience, 2019, 22, 633-641.	14.8	53
25	Smartphones and the Neuroscience of Mental Health. Annual Review of Neuroscience, 2021, 44, 129-151.	10.7	43
26	Approach-Induced Biases in Human Information Sampling. PLoS Biology, 2016, 14, e2000638.	5.6	43
27	Endogenous fluctuations in the dopaminergic midbrain drive behavioral choice variability. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18732-18737.	7.1	37
28	The Impact of Menstrual Cycle Phase on Economic Choice and Rationality. PLoS ONE, 2016, 11, e0144080.	2.5	36
29	The influence of contextual reward statistics on risk preference. NeuroImage, 2016, 128, 74-84.	4.2	35
30	Acute stress selectively impairs learning to act. Scientific Reports, 2016, 6, 29816.	3.3	29
31	Neural activity and fundamental learning, motivated by monetary loss and reward, are intact in mild to moderate major depressive disorder. PLoS ONE, 2018, 13, e0201451.	2.5	28
32	The social contingency of momentary subjective well-being. Nature Communications, 2016, 7, 11825.	12.8	27
33	Under the Hood: Using Computational Psychiatry to Make Psychological Therapies More Mechanism-Focused. Frontiers in Psychiatry, 2020, 11, 140.	2.6	27
34	Distinct Processing of Aversive Experience in Amygdala Subregions. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 291-300.	1.5	26
35	Momentary subjective well-being depends on learning and not reward. ELife, 2020, 9, .	6.0	25
36	Dorsal striatum is necessary for stimulus-value but not action-value learning in humans. Brain, 2014, 137, 3129-3135.	7.6	24

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37	Neurocomputational mechanisms underpinning aberrant social learning in young adults with low self-esteem. Translational Psychiatry, 2020, 10, 96.	4.8	23
38	Neural random utility: Relating cardinal neural observables to stochastic choice behavior.. Journal of Neuroscience, Psychology, and Economics, 2019, 12, 45-72.	1.0	20
39	Computing Value from Quality and Quantity in Human Decision-Making. Journal of Neuroscience, 2019, 39, 163-176.	3.6	19
40	Cortical drive of low-frequency oscillations in the human nucleus accumbens during action selection. Journal of Neurophysiology, 2015, 114, 29-39.	1.8	14
41	The temporal representation of experience in subjective mood. ELife, 2021, 10, .	6.0	14
42	A Neurocomputational Model for Intrinsic Reward. Journal of Neuroscience, 2021, 41, 8963-8971.	3.6	13
43	Age-dependent Pavlovian biases influence motor decision-making. PLoS Computational Biology, 2018, 14, e1006304.	3.2	11
44	No unified reward prediction error in local field potentials from the human nucleus accumbens: evidence from epilepsy patients. Journal of Neurophysiology, 2015, 114, 781-792.	1.8	9
45	Oxytocin Effect on Collective Decision Making: A Randomized Placebo Controlled Study. PLoS ONE, 2016, 11, e0153352.	2.5	9
46	Perimovement decrease of alpha/beta oscillations in the human nucleus accumbens. Journal of Neurophysiology, 2016, 116, 1663-1672.	1.8	8
47	Neural Random Utility. SSRN Electronic Journal, 0, , .	0.4	7
48	A Role for the Human Substantia Nigra in Reinforcement Learning. Journal of Neuroscience, 2014, 34, 12947-12949.	3.6	7
49	Social uncertainty is heterogeneous and sometimes valuable. Nature Human Behaviour, 2019, 3, 764-764.	12.0	4
50	Reply: Differential functions of ventral and dorsal striatum. Brain, 2015, 138, e382-e382.	7.6	1
51	Aberrant Striatal Value Representation in Huntington's Disease Gene Carriers 25 Years Before Onset. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 910-918.	1.5	1
52	Opportunity cost determines free-operant action initiation latency and predicts apathy. Psychological Medicine, 2023, 53, 1850-1859.	4.5	1
53	9â€¦Aberrant striatal value representation in Huntingtonâ€™s disease gene carriers 25 years before onset. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, e4.1-e4.	1.9	0