Patrick Simen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11473309/publications.pdf

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27	1,457	430874	552781
papers	citations	18 h-index	26 g-index

28	28	28	1204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Model of Interval Timing by Neural Integration. Journal of Neuroscience, 2011, 31, 9238-9253.	3.6	285
2	Reward rate optimization in two-alternative decision making: Empirical tests of theoretical predictions.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1865-1897.	0.9	172
3	Acquisition of decision making criteria: reward rate ultimately beats accuracy. Attention, Perception, and Psychophysics, 2011, 73, 640-657.	1.3	124
4	Basic Impairments in Regulating the Speed-Accuracy Tradeoff Predict Symptoms of Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2010, 68, 1114-1119.	1.3	113
5	Rapid decision threshold modulation by reward rate in a neural network. Neural Networks, 2006, 19, 1013-1026.	5.9	104
6	Decision processes in temporal discrimination. Acta Psychologica, 2014, 149, 157-168.	1.5	69
7	A decision model of timing. Current Opinion in Behavioral Sciences, 2016, 8, 94-101.	3.9	66
8	Optimal Temporal Risk Assessment. Frontiers in Integrative Neuroscience, 2011, 5, 56.	2.1	64
9	Timescale Invariance in the Pacemaker-Accumulator Family of Timing Models. Timing and Time Perception, 2013, 1, 159-188.	0.6	63
10	Sequential Effects in Two-Choice Reaction Time Tasks: Decomposition and Synthesis of Mechanisms. Neural Computation, 2009, 21, 2407-2436.	2.2	59
11	Scale (in)variance in a unified diffusion model of decision making and timing.. Psychological Review, 2016, 123, 151-181.	3.8	44
12	Lateralized Readiness Potentials Reveal Properties of a Neural Mechanism for Implementing a Decision Threshold. PLoS ONE, 2014, 9, e90943.	2.5	42
13	Adolescents let sufficient evidence accumulate before making a decision when large incentives are at stake. Developmental Science, 2014, 17, 59-70.	2.4	41
14	Evidence Accumulator or Decision Threshold â€“ Which Cortical Mechanism are We Observing?. Frontiers in Psychology, 2012, 3, 183.	2.1	29
15	A computational approach to control in complex cognition. Cognitive Brain Research, 2002, 15, 71-83.	3.0	27
16	Evidence accumulation detected in BOLD signal using slow perceptual decision making. Journal of Neuroscience Methods, 2017, 281, 21-32.	2.5	25
17	Explicit melioration by a neural diffusion model. Brain Research, 2009, 1299, 95-117.	2.2	24
18	Interval Timing by Long-Range Temporal Integration. Frontiers in Integrative Neuroscience, 2011, 5, 28.	2.1	20

#	Article	IF	Citations
19	Speed accuracy trade-off under response deadlines. Frontiers in Neuroscience, 2014, 8, 248.	2.8	20
20	Optimal response rates in humans and rats.. Journal of Experimental Psychology Animal Learning and Cognition, 2015, 41, 39-51.	0.5	16
21	Toward a unified view of the speed-accuracy trade-off. Frontiers in Neuroscience, 2015, 9, 139.	2.8	11
22	Why does time seem to fly when we're having fun?. Science, 2016, 354, 1231-1232.	12.6	10
23	A symbolic/subsymbolic interface protocol for cognitive modeling. Logic Journal of the IGPL, 2010, 18, 705-761.	1.5	9
24	Hebbian learning in linearâ€“nonlinear networks with tuning curves leads to near-optimal, multi-alternative decision making. Neural Networks, 2011, 24, 417-426.	5.9	9
25	A comparative study of drift diffusion and linear ballistic accumulator models in a reward maximization perceptual choice task. Frontiers in Neuroscience, 2014, 8, 148.	2.8	9
26	Preventing combinatorial explosion in a localist, neural network architecture using temporal synchrony. Connection Science, 2011, 23, 131-144.	3.0	1
27	Discarding optimality: Throwing out the baby with the bathwater?. Behavioral and Brain Sciences, 2018, 41, e243.	0.7	1