

Nils Kolling

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,115
citations

331259

21
h-index

476904

29
g-index

44
all docs

44
docs citations

44
times ranked

2989
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Mechanisms of Foraging. <i>Science</i> , 2012, 336, 95-98.	6.0	527
2	Mechanisms underlying cortical activity during value-guided choice. <i>Nature Neuroscience</i> , 2012, 15, 470-476.	7.1	394
3	Value, search, persistence and model updating in anterior cingulate cortex. <i>Nature Neuroscience</i> , 2016, 19, 1280-1285.	7.1	357
4	Valuation and decision-making in frontal cortex: one or many serial or parallel systems?. <i>Current Opinion in Neurobiology</i> , 2012, 22, 946-955.	2.0	265
5	Multiple signals in anterior cingulate cortex. <i>Current Opinion in Neurobiology</i> , 2016, 37, 36-43.	2.0	196
6	Multiple Neural Mechanisms of Decision Making and Their Competition under Changing Risk Pressure. <i>Neuron</i> , 2014, 81, 1190-1202.	3.8	154
7	Re-evaluating the role of the orbitofrontal cortex in reward and reinforcement. <i>European Journal of Neuroscience</i> , 2012, 35, 997-1010.	1.2	149
8	The macaque anterior cingulate cortex translates counterfactual choice value into actual behavioral change. <i>Nature Neuroscience</i> , 2019, 22, 797-808.	7.1	143
9	A neural mechanism underlying failure of optimal choice with multiple alternatives. <i>Nature Neuroscience</i> , 2014, 17, 463-470.	7.1	116
10	Self-Other Mergence in the Frontal Cortex during Cooperation and Competition. <i>Neuron</i> , 2016, 91, 482-493.	3.8	115
11	Predictive decision making driven by multiple time-linked reward representations in the anterior cingulate cortex. <i>Nature Communications</i> , 2016, 7, 12327.	5.8	111
12	The Good, the Bad, and the Irrelevant: Neural Mechanisms of Learning Real and Hypothetical Rewards and Effort. <i>Journal of Neuroscience</i> , 2015, 35, 11233-11251.	1.7	74
13	Simultaneous representation of a spectrum of dynamically changing value estimates during decision making. <i>Nature Communications</i> , 2017, 8, 1942.	5.8	66
14	Neural Mechanisms of Credit Assignment in a Multicue Environment. <i>Journal of Neuroscience</i> , 2016, 36, 1096-1112.	1.7	53
15	Critical role for the mediodorsal thalamus in permitting rapid reward-guided updating in stochastic reward environments. <i>ELife</i> , 2016, 5, .	2.8	50
16	Prospection, Perseverance, and Insight in Sequential Behavior. <i>Neuron</i> , 2018, 99, 1069-1082.e7.	3.8	49
17	Dopamine Modulates Dynamic Decision-Making during Foraging. <i>Journal of Neuroscience</i> , 2020, 40, 5273-5282.	1.7	46
18	Formalizing planning and information search in naturalistic decision-making. <i>Nature Neuroscience</i> , 2021, 24, 1051-1064.	7.1	40

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19	Beyond negative valence: 2-week administration of a serotonergic antidepressant enhances both reward and effort learning signals. PLoS Biology, 2017, 15, e2000756.	2.6	37
20	(Reinforcement?) Learning to forage optimally. Current Opinion in Neurobiology, 2017, 46, 162-169.	2.0	36
21	Excitation and inhibition in anterior cingulate predict use of past experiences. ELife, 2017, 6, .	2.8	34
22	A Role Beyond Learning for NMDA Receptors in Reward-Based Decision-Making—a Pharmacological Study Using d-Cycloserine. Neuropsychopharmacology, 2014, 39, 2900-2909.	2.8	22
23	Multiple systems in macaques for tracking prediction errors and other types of surprise. PLoS Biology, 2020, 18, e3000899.	2.6	13
24	The effect of apathy and compulsivity on planning and stopping in sequential decision-making. PLoS Biology, 2022, 20, e3001566.	2.6	12
25	State-change decisions and dorsomedial prefrontal cortex: the importance of time. Current Opinion in Behavioral Sciences, 2018, 22, 152-160.	2.0	10
26	Divide and conquer: strategic decision areas. Nature Neuroscience, 2015, 18, 616-618.	7.1	6
27	Spatiotemporally resolved multivariate pattern analysis for M/EEG. Human Brain Mapping, 2022, 43, 3062-3085.	1.9	6
28	Distinct Causal Influences of Dorsolateral Prefrontal Cortex and Posterior Parietal Cortex in Multiple-Option Decision Making. Cerebral Cortex, 2022, 32, 1390-1404.	1.6	4
29	Constructing others' beliefs from one's own using medial frontal cortex. Journal of Neuroscience, 2021, 41, JN-RM-0011-21.	1.7	4
30	What's Worth the Risk? A Neural Circuit for Trade-Offs. Cell, 2015, 161, 1243-1244.	13.5	3
31	Multiple systems in macaques for tracking prediction errors and other types of surprise. , 2020, 18, e3000899.		0
32	Multiple systems in macaques for tracking prediction errors and other types of surprise. , 2020, 18, e3000899.		0
33	Multiple systems in macaques for tracking prediction errors and other types of surprise. , 2020, 18, e3000899.		0
34	Multiple systems in macaques for tracking prediction errors and other types of surprise. , 2020, 18, e3000899.		0
35	Multiple systems in macaques for tracking prediction errors and other types of surprise. , 2020, 18, e3000899.		0
36	Multiple systems in macaques for tracking prediction errors and other types of surprise. , 2020, 18, e3000899.		0