

# Payam Piray

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6271858/publications.pdf>

Version: 2024-02-01

15  
papers

852  
citations

759055

12  
h-index

1058333

14  
g-index

21  
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21  
docs citations

21  
times ranked

992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear reinforcement learning in planning, grid fields, and cognitive control. <i>Nature Communications</i> , 2021, 12, 4942.	5.8	36
2	A model for learning based on the joint estimation of stochasticity and volatility. <i>Nature Communications</i> , 2021, 12, 6587.	5.8	45
3	Mechanisms Underlying Dopamine-Induced Risky Choice in Parkinson's Disease With and Without Depression (History). <i>Computational Psychiatry</i> , 2020, 2, 11.	1.1	14
4	A simple model for learning in volatile environments. <i>PLoS Computational Biology</i> , 2020, 16, e1007963.	1.5	39
5	Hierarchical Bayesian inference for concurrent model fitting and comparison for group studies. <i>PLoS Computational Biology</i> , 2019, 15, e1007043.	1.5	63
6	Emotionally Aversive Cues Suppress Neural Systems Underlying Optimal Learning in Socially Anxious Individuals. <i>Journal of Neuroscience</i> , 2019, 39, 1445-1456.	1.7	36
7	Dopaminergic Modulation of the Functional Ventrodorsal Architecture of the Human Striatum. <i>Cerebral Cortex</i> , 2017, 27, bhv243.	1.6	42
8	Human Choice Strategy Varies with Anatomical Projections from Ventromedial Prefrontal Cortex to Medial Striatum. <i>Journal of Neuroscience</i> , 2016, 36, 2857-2867.	1.7	35
9	Impulse Control Disorders in Parkinson's Disease Are Associated with Dysfunction in Stimulus Valuation But Not Action Valuation. <i>Journal of Neuroscience</i> , 2014, 34, 7814-7824.	1.7	73
10	Neuroeconomics and the Study of Addiction. <i>Biological Psychiatry</i> , 2012, 72, 107-112.	0.7	67
11	Understanding Addiction as a Pathological State of Multiple Decision Making Processes: A Neurocomputational Perspective. , 2012, , 205-233.		3
12	The Role of Dorsal Striatal D2-Like Receptors in Reversal Learning: A Reinforcement Learning Viewpoint. <i>Journal of Neuroscience</i> , 2011, 31, 14049-14050.	1.7	13
13	Speed/Accuracy Trade-Off between the Habitual and the Goal-Directed Processes. <i>PLoS Computational Biology</i> , 2011, 7, e1002055.	1.5	284
14	Individual Differences in Nucleus Accumbens Dopamine Receptors Predict Development of Addiction-Like Behavior: A Computational Approach. <i>Neural Computation</i> , 2010, 22, 2334-2368.	1.3	37
15	A Neurocomputational Model for Cocaine Addiction. <i>Neural Computation</i> , 2009, 21, 2869-2893.	1.3	43