

# Joel Z Leibo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3905723/publications.pdf>

Version: 2024-02-01

15  
papers

1,181  
citations

840119

11  
h-index

940134

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prefrontal cortex as a meta-reinforcement learning system. <i>Nature Neuroscience</i> , 2018, 21, 860-868.	7.1	378
2	Human-level performance in 3D multiplayer games with population-based reinforcement learning. <i>Science</i> , 2019, 364, 859-865.	6.0	286
3	The dynamics of invariant object recognition in the human visual system. <i>Journal of Neurophysiology</i> , 2014, 111, 91-102.	0.9	237
4	Unsupervised learning of invariant representations. <i>Theoretical Computer Science</i> , 2016, 633, 112-121.	0.5	74
5	View-Tolerant Face Recognition and Hebbian Learning Imply Mirror-Symmetric Neural Tuning to Head Orientation. <i>Current Biology</i> , 2017, 27, 62-67.	1.8	47
6	Promises and challenges of human computational ethology. <i>Neuron</i> , 2021, 109, 2224-2238.	3.8	37
7	Learning and disrupting invariance in visual recognition with a temporal association rule. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 37.	1.2	29
8	The Invariance Hypothesis Implies Domain-Specific Regions in Visual Cortex. <i>PLoS Computational Biology</i> , 2015, 11, e1004390.	1.5	22
9	Building machines that learn and think for themselves. <i>Behavioral and Brain Sciences</i> , 2017, 40, e255.	0.4	17
10	Negotiating team formation using deep reinforcement learning. <i>Artificial Intelligence</i> , 2020, 288, 103356.	3.9	14
11	Spurious normativity enhances learning of compliance and enforcement behavior in artificial agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
12	Toward high-performance, memory-efficient, and fast reinforcement learning—Lessons from decision neuroscience. <i>Science Robotics</i> , 2019, 4, .	9.9	8
13	Quantifying the effects of environment and population diversity in multi-agent reinforcement learning. <i>Autonomous Agents and Multi-Agent Systems</i> , 2022, 36, 1.	1.3	7
14	Meta-control of social learning strategies. <i>PLoS Computational Biology</i> , 2022, 18, e1009882.	1.5	2
15	Learning agents that acquire representations of social groups. <i>Behavioral and Brain Sciences</i> , 2022, 45, .	0.4	1