Joel Z Leibo

List of Publications by Year
in descending order

15 papers	**1,181** citations	840776 **11** h-index	940533 **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. Nature Neuroscience, 2018, 21, 860-868.	14.8	378
2	Human-level performance in 3D multiplayer games with population-based reinforcement learning. Science, 2019, 364, 859-865.	12.6	286
3	The dynamics of invariant object recognition in the human visual system. Journal of Neurophysiology, 2014, 111, 91-102.	1.8	237
4	Unsupervised learning of invariant representations. Theoretical Computer Science, 2016, 633, 112-121.	0.9	74
5	View-Tolerant Face Recognition and Hebbian Learning Imply Mirror-Symmetric Neural Tuning to Head Orientation. Current Biology, 2017, 27, 62-67.	3.9	47
6	Promises and challenges of human computational ethology. Neuron, 2021, 109, 2224-2238.	8.1	37
7	Learning and disrupting invariance in visual recognition with a temporal association rule. Frontiers in Computational Neuroscience, 2012, 6, 37.	2.1	29
8	The Invariance Hypothesis Implies Domain-Specific Regions in Visual Cortex. PLoS Computational Biology, 2015, 11, e1004390.	3.2	22
9	Building machines that learn and think for themselves. Behavioral and Brain Sciences, 2017, 40, e255.	0.7	17
10	Negotiating team formation using deep reinforcement learning. Artificial Intelligence, 2020, 288, 103356.	5.8	14
11	Spurious normativity enhances learning of compliance and enforcement behavior in artificial agents. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
12	Toward high-performance, memory-efficient, and fast reinforcement learning—Lessons from decision neuroscience. Science Robotics, 2019, 4, .	17.6	8
13	Quantifying the effects of environment and population diversity in multi-agent reinforcement learning. Autonomous Agents and Multi-Agent Systems, 2022, 36, 1.	2.1	7
14	Meta-control of social learning strategies. PLoS Computational Biology, 2022, 18, e1009882.	3.2	2
15	Learning agents that acquire representations of social groups. Behavioral and Brain Sciences, 2022, 45, .	0.7	1