

# 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

840776

11  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1423  
citing authors

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