

Garrett E Katz

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

226
citations

1307594

7
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Humanoid Cognitive Robots That Learn by Imitating: Implications for Consciousness Studies. <i>Frontiers in Robotics and AI</i> , 2018, 5, 1.	3.2	104
2	Morphology of Influenza B/Lee/40 Determined by Cryo-Electron Microscopy. <i>PLoS ONE</i> , 2014, 9, e88288.	2.5	19
3	A Novel Parsimonious Cause-Effect Reasoning Algorithm for Robot Imitation and Plan Recognition. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 177-193.	3.8	16
4	A Neural Architecture for Performing Actual and Mentally Simulated Movements During Self-Intended and Observed Bimanual Arm Reaching Movements. <i>International Journal of Social Robotics</i> , 2015, 7, 371-392.	4.6	12
5	Artificial Conscious Intelligence. <i>Journal of Artificial Intelligence and Consciousness</i> , 2020, 07, 95-107.	1.2	12
6	A virtual demonstrator environment for robot imitation learning. , 2015, , .		9
7	What are the computational correlates of consciousness?. <i>Biologically Inspired Cognitive Architectures</i> , 2016, 17, 101-113.	0.9	9
8	A programmable neural virtual machine based on a fast store-erase learning rule. <i>Neural Networks</i> , 2019, 119, 10-30.	5.9	8
9	Exploring the Computational Explanatory Gap. <i>Philosophies</i> , 2017, 2, 5.	0.7	6
10	Using Directional Fibers to Locate Fixed Points of Recurrent Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 3636-3646.	11.3	5
11	High-Level Motor Planning Assessment During Performance of Complex Action Sequences in Humans and a Humanoid Robot. <i>International Journal of Social Robotics</i> , 2021, 13, 981-998.	4.6	5
12	Bacteriophage ϕ 6 Structure Investigated by Fluorescence Stokes Shift Spectroscopy. <i>Photochemistry and Photobiology</i> , 2012, 88, 304-310.	2.5	4
13	Modeling Working Memory to Identify Computational Correlates of Consciousness. <i>Open Philosophy</i> , 2019, 2, 252-269.	0.4	4
14	A limit-cycle self-organizing map architecture for stable arm control. <i>Neural Networks</i> , 2017, 85, 165-181.	5.9	3
15	Compositional memory in attractor neural networks with one-step learning. <i>Neural Networks</i> , 2021, 138, 78-97.	5.9	3
16	NeuroLISP: High-level symbolic programming with attractor neural networks. <i>Neural Networks</i> , 2022, 146, 200-219.	5.9	2
17	Tunable Neural Encoding of a Symbolic Robotic Manipulation Algorithm. <i>Frontiers in Neurorobotics</i> , 2021, 15, 744031.	2.8	2
18	Autonomous Causally-Driven Explanation of Actions. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Learning in a Continuous-Valued Attractor Network. , 2018, , .		1
20	Encoding of a Chaotic Attractor in a Reservoir Computer: A Directional Fiber Investigation. , 2019, , .		1
21	Reinforcement-based Program Induction in a Neural Virtual Machine. , 2020, , .		0
22	A Neurocomputational Model of Posttraumatic Stress Disorder. , 2021, , .		0