

Stephane Doncieux

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

765
citations

1040056

9
h-index

1281871

11
g-index

32
all docs

32
docs citations

32
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Robotics: What, Why, and Where to. <i>Frontiers in Robotics and AI</i> , 2015, 2, .	3.2	169
2	Beyond black-box optimization: a review of selective pressures for evolutionary robotics. <i>Evolutionary Intelligence</i> , 2014, 7, 71-93.	3.6	80
3	Crossing the reality gap in evolutionary robotics by promoting transferable controllers. , 2010, , .		65
4	Overcoming the bootstrap problem in evolutionary robotics using behavioral diversity. , 2009, , .		59
5	Using behavioral exploration objectives to solve deceptive problems in neuro-evolution. , 2009, , .		48
6	Behavioral diversity measures for Evolutionary Robotics. , 2010, , .		41
7	Open-Ended Learning: A Conceptual Framework Based on Representational Redescription. <i>Frontiers in Neurobotics</i> , 2018, 12, 59.	2.8	38
8	Sferes<inf>v2</inf>: Evolvin' in the multi-core world. , 2010, , .		34
9	Incremental Evolution of Animatsâ€™ Behaviors as a Multi-objective Optimization. <i>Lecture Notes in Computer Science</i> , 2008, , 210-219.	1.3	26
10	Design of a bio-inspired controller for dynamic soaring in a simulated unmanned aerial vehicle. <i>Bioinspiration and Biomimetics</i> , 2006, 1, 76-88.	2.9	23
11	MENNAC: a modular, regular and hierarchical encoding for neural-networks based on attribute grammars. <i>Evolutionary Intelligence</i> , 2008, 1, 187-207.	3.6	23
12	Behavioral diversity with multiple behavioral distances. , 2013, , .		22
13	From exploration to control: Learning object manipulation skills through novelty search and local adaptation. <i>Robotics and Autonomous Systems</i> , 2021, 136, 103710.	5.1	18
14	Bootstrapping \$\$ -Learning for Robotics From Neuro-Evolution Results. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 102-119.	3.8	16
15	Evolving modular neural-networks through exaptation. , 2009, , .		14
16	Automatic system identification based on coevolution of models and tests. , 2009, , .		13
17	How to promote generalisation in evolutionary robotics. , 2011, , .		11
18	Importing the computational neuroscience toolbox into neuro-evolution-application to basal ganglia. , 2010, , .		10

#	ARTICLE	IF	CITATIONS
19	Learning highly diverse robot throwing movements through quality diversity search. , 2017, , .		10
20	Sparse reward exploration via novelty search and emitters. , 2021, , .		6
21	Optimization of humanoid walking controller: Crossing the reality gap. , 2013, , .		5
22	Few-Shot Quality-Diversity Optimization. IEEE Robotics and Automation Letters, 2022, 7, 4424-4431.	5.1	5
23	Human-centered AI and robotics. AI Perspectives, 2022, 4, .	3.9	4
24	Single step evolution of robot controllers for sequential tasks. , 2009, , .		2
25	Dynamic behavioral diversity. , 2012, , .		2
26	Exploration of unknown dynamic environments: A visual saliency-based babbling approach. , 2016, , .		0
27	Evolution in Cognition 2016 Chairs' Welcome. , 2016, , .		0
28	Chairs' welcome for GECCO'17 workshop "evolution in cognition". , 2017, , .		0
29	Editorial: Evolvability, Environments, Embodiment & Emergence in Robotics. Frontiers in Robotics and AI, 2018, 5, 103.	3.2	0
30	Action Generation Adapted to Low-Level and High-Level Robot-Object Interaction States. Frontiers in Neurorobotics, 2019, 13, 56.	2.8	0
31	Influence of Promoter Length on Network Convergence in GRN-Based Evolutionary Algorithms. Lecture Notes in Computer Science, 2011, , 302-309.	1.3	0