

Daniel Strömberg

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

510
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the shepherding problem: heuristics for herding autonomous, interacting agents. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140719.	3.4	140
2	Collective motion from local attraction. <i>Journal of Theoretical Biology</i> , 2011, 283, 145-151.	1.7	123
3	Proto-cooperation: group hunting sailfish improve hunting success by alternating attacks on grouping prey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161671.	2.6	85
4	Multi-scale Inference of Interaction Rules in Animal Groups Using Bayesian Model Selection. <i>PLoS Computational Biology</i> , 2013, 9, e1002961.	3.2	39
5	Injury-mediated decrease in locomotor performance increases predation risk in schooling fish. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160232.	4.0	28
6	Self-organized traffic via priority rules in leaf-cutting ants. <i>PLoS Computational Biology</i> , 2018, 14, e1006523.	3.2	17
7	Robot Collection and Transport of Objects: A Biomimetic Process. <i>Frontiers in Robotics and AI</i> , 2018, 5, 48.	3.2	16
8	Asynchrony induces polarization in attraction-based models of collective motion. <i>Royal Society Open Science</i> , 2019, 6, 190381.	2.4	14
9	The shape and dynamics of local attraction. <i>European Physical Journal: Special Topics</i> , 2015, 224, 3311-3323.	2.6	11
10	Simulating Irrational Human Behavior to Prevent Resource Depletion. <i>PLoS ONE</i> , 2015, 10, e0117612.	2.5	11
11	Multi-scale Inference of Interaction Rules in Animal Groups Using Bayesian Model Selection. <i>PLoS Computational Biology</i> , 2012, 8, e1002308.	3.2	10
12	Modeling the life cycle of the spotted lanternfly (<i>Lycorma delicatula</i>) with management implications. <i>Mathematical Biosciences</i> , 2021, 340, 108670.	1.9	5
13	Attraction vs. Alignment as Drivers of Collective Motion. <i>Frontiers in Applied Mathematics and Statistics</i> , 2022, 7, .	1.3	5
14	Anticipation Induces Polarized Collective Motion in Attraction Based Models. <i>Northeast Journal of Complex Systems</i> , 2021, 3, .	0.3	4
15	Bistability and Switching Behavior in Moving Animal Groups. <i>Northeast Journal of Complex Systems</i> , 2022, 4, .	0.3	1
16	Prawns and probability. , 2012, , .		0