

Kevin M Passino

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

909
citations

687335

13
h-index

477281

29
g-index

36
all docs

36
docs citations

36
times ranked

756
citing authors

#	ARTICLE	IF	CITATIONS
1	A class of attractions/repulsion functions for stable swarm aggregations. International Journal of Control, 2004, 77, 1567-1579.	1.9	255
2	Swarm cognition in honey bees. Behavioral Ecology and Sociobiology, 2008, 62, 401-414.	1.4	145
3	Modeling and analysis of nest-site selection by honeybee swarms: the speed and accuracy trade-off. Behavioral Ecology and Sociobiology, 2006, 59, 427-442.	1.4	122
4	Swarm Cognition: an interdisciplinary approach to the study of self-organising biological collectives. Swarm Intelligence, 2011, 5, 3-18.	2.2	70
5	Educating the Humanitarian Engineer. Science and Engineering Ethics, 2009, 15, 577-600.	2.9	50
6	Distributed Task Assignment for Mobile Agents. IEEE Transactions on Automatic Control, 2007, 52, 749-753.	5.7	43
7	Illumination Balancing Algorithm for Smart Lights. IEEE Transactions on Control Systems Technology, 2014, 22, 557-567.	5.2	42
8	Social Foraging Theory for Robust Multiagent System Design. IEEE Transactions on Automation Science and Engineering, 2007, 4, 79-86.	5.2	19
9	Dynamics of Metabolism and Decision Making During Alcohol Consumption: Modeling and Analysis. IEEE Transactions on Cybernetics, 2017, 47, 3955-3966.	9.5	17
10	Dispatch of distributed generators using a local replicator equation. , 2011, , .		15
11	Modeling and Analysis of Group Dynamics in Alcohol-Consumption Environments. IEEE Transactions on Cybernetics, 2017, 47, 165-176.	9.5	15
12	Stable Cooperative Vehicle Distributions for Surveillance. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 597-608.	1.6	13
13	Foraging Theory for Autonomous Vehicle Decision-making System Design. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 49, 39-65.	3.4	13
14	A System Dynamic Model of Drinking Events: Multi-Level Ecological Approach. Systems Research and Behavioral Science, 2018, 35, 265-281.	1.6	13
15	When rate maximization is impulsive. Behavioral Ecology and Sociobiology, 2010, 64, 1255-1265.	1.4	12
16	Decentralized output regulation of a class of nonlinear systems. International Journal of Control, 2006, 79, 1512-1522.	1.9	9
17	Decentralized redistribution for cooperative patrol. International Journal of Robust and Nonlinear Control, 2008, 18, 165-195.	3.7	8
18	Paradoxical preferences when options are identical. Behavioral Ecology and Sociobiology, 2006, 59, 777-785.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Feedback Controllers as Financial Advisors for Low-Income Individuals. IEEE Transactions on Control Systems Technology, 2017, 25, 2194-2201.	5.2	7
20	Dynamics of Cooperation in a Task Completion Social Dilemma. PLoS ONE, 2017, 12, e0170604.	2.5	5
21	State subsidies induce gray jays to accept greater danger: an ecologically rational response?. Behavioral Ecology and Sociobiology, 2007, 61, 1261-1266.	1.4	4
22	Distributed Coordination Strategies for Wide-Area Patrol. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 56, 23-45.	3.4	4
23	Optimal Reactive Power Allocation in Large-Scale Grid-Connected Photovoltaic Systems. Journal of Optimization Theory and Applications, 2015, 167, 761-779.	1.5	3
24	Stable reactive power balancing strategies of grid-connected photovoltaic inverter network. International Journal of Robust and Nonlinear Control, 2016, 26, 2023-2046.	3.7	3
25	A Control-Theoretic Assessment of Interventions During Drinking Events. IEEE Transactions on Cybernetics, 2019, 49, 604-615.	9.5	3
26	Modeling and Cohesiveness Analysis of Midge Swarms. International Journal of Swarm Intelligence Research, 2013, 4, 1-22.	0.7	3
27	Systems Biology of Group Decision Making. , 2006, , .		2
28	Feedback controller design over the internet of things. Engineering Applications of Artificial Intelligence, 2019, 82, 96-101.	8.1	2
29	Stable emergent agent distributions under sensing and travel delays. , 2008, , .		1
30	Pancreatic Epithelial Cells Form Islet-Like Clusters in the Absence of Directed Migration. Cellular and Molecular Bioengineering, 2015, 8, 496-506.	2.1	1
31	A dynamic multilevel ecological approach to drinking event modelling and intervention. Systems Research and Behavioral Science, 2020, 38, 473.	1.6	1
32	Modeling and Analysis of Mood Dynamics in the Bipolar Spectrum. IEEE Transactions on Computational Social Systems, 2020, 7, 1335-1344.	4.4	1
33	Task Assignment for Mobile Agents. , 0, , 109-138.		1
34	Special issue on Swarm Cognition. Swarm Intelligence, 2011, 5, 1-2.	2.2	0
35	Dynamics of degree distributions of social networks. , 2017, , .		0
36	Stability of degree distributions of social networks. Journal of Complex Networks, 2019, 7, 421-444.	1.8	0