

Vaibhav Srivastava

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

369
citations

1478505

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1199594

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g-index

35
all docs

35
docs citations

35
times ranked

313
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Human Decision Making in Generalized Gaussian Multiarmed Bandits. Proceedings of the IEEE, 2014, 102, 544-571.	21.3	63
2	Multiagent Decision-Making Dynamics Inspired by Honeybees. IEEE Transactions on Control of Network Systems, 2018, 5, 793-806.	3.7	57
3	Collective Decision-Making in Ideal Networks: The Speed-Accuracy Tradeoff. IEEE Transactions on Control of Network Systems, 2014, 1, 121-132.	3.7	42
4	On distributed cooperative decision-making in multiarmed bandits. , 2016, , .		24
5	On optimal foraging and multi-armed bandits. , 2013, , .		23
6	Stochastic surveillance strategies for spatial quickest detection. International Journal of Robotics Research, 2013, 32, 1438-1458.	8.5	21
7	Gait Transitions in a Phase Oscillator Model of an Insect Central Pattern Generator. SIAM Journal on Applied Dynamical Systems, 2018, 17, 626-671.	1.6	21
8	Surveillance in an abruptly changing world via multiarmed bandits. , 2014, , .		19
9	A martingale analysis of first passage times of time-dependent Wiener diffusion models. Journal of Mathematical Psychology, 2017, 77, 94-110.	1.8	19
10	Social Imitation in Cooperative Multiarmed Bandits: Partition-Based Algorithms with Strictly Local Information. , 2018, , .		9
11	Robust tracking of an unknown trajectory with a multi-rotor UAV: A high-gain observer approach. , 2020, , .		6
12	Optimal Fidelity Selection for Human-in-the-loop Queues using Semi-Markov Decision Processes. , 2019, , .		6
13	Bio-inspired decision-making and control: From honeybees and neurons to network design. , 2017, , .		5
14	On the linear threshold model for diffusion of innovations in multiplex social networks. , 2017, , .		5
15	On Phase Reduction and Time Period of Noisy Oscillators. , 2019, , .		5
16	Dynamic Vehicle Routing in Presence of Random Recalls. , 2020, 4, 37-42.		5
17	Efficient Path Planning of Soft Robotic Arms in the Presence of Obstacles. IFAC-PapersOnLine, 2021, 54, 586-591.	0.9	5
18	SIS Epidemic Model under Mobility on Multi-layer Networks. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	Influence Spread in the Heterogeneous Multiplex Linear Threshold Model. IEEE Transactions on Control of Network Systems, 2022, 9, 1080-1091.	3.7	4
20	On distributed linear filtering with noisy communication. , 2017, , .		3
21	An agent-based framework for bio-inspired, value-sensitive decision-making * *This research has been supported in part by NSF grant CMMI-1635056, ONR grant N00014-14-1-0635, and UNAM-DCAPA grant PAPIIT RA105816. IFAC-PapersOnLine, 2017, 50, 8238-8243.	0.9	3
22	Achieving Efficient Collaboration in Decentralized Heterogeneous Teams using Common-Pool Resource Games. , 2019, , .		3
23	SIR Epidemic Model under Mobility on Multi-layer Networks. IFAC-PapersOnLine, 2020, 53, 803-806.	0.9	3
24	On Distributed Multi-Player Multiarmed Bandit Problems in Abruptly Changing Environment. , 2018, , .		2
25	Towards a heterogeneous cable-connected team of UAVs for aerial manipulation. , 2021, , .		2
26	Minimax Policy for Heavy-Tailed Bandits. , 2021, 5, 1423-1428.		2
27	Algorithmic models of human decision making in Gaussian multi-armed bandit problems. , 2014, , .		1
28	On robustness and leadership in Markov switching consensus networks. , 2017, , .		1
29	Design of Robust Path-Following Control System for Self-driving Vehicles Using Extended High-Gain Observer. , 2020, , .		1
30	Towards multi-body multi-rotors for long reach manipulation. , 2021, , .		1
31	In-Flight Actuator Failure Recovery of a Hexrotor Via Multiple Models and Extended High-Gain Observers. IEEE Robotics and Automation Letters, 2021, 6, 6204-6211.	5.1	1
32	Incentivizing Collaboration in Heterogeneous Teams via Common-Pool Resource Games. IEEE Transactions on Automatic Control, 2023, 68, 1902-1909.	5.7	1
33	Stochastic synchronization in nonlinear network systems driven by intrinsic and coupling noise. Biological Cybernetics, 2022, 116, 147-162.	1.3	1
34	On the speed-accuracy tradeoff in collective decision making. , 2013, , .		0