Sarthak Chatterjee

List of Publications by Year
in descending order

14 papers	115 citations	1684188 5 h-index	1872680 6 g-index
14 all docs	14 docs citations	14 times ranked	94 citing authors

#	Article	IF	Citations
1	Stability and chaos analysis of a novel swarm dynamics with applications to multi-agent systems. Engineering Applications of Artificial Intelligence, 2014, 30, 189-198.	8.1	48
2	A Lagrangian Approach to Modeling and Analysis of a Crowd Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 865-876.	9.3	19
3	Behavioral analysis of the leader particle during stagnation in a particle swarm optimization algorithm. Information Sciences, 2014, 279, 18-36.	6.9	15
4	Fractional-order model predictive control as a framework for electrical neurostimulation in epilepsy. Journal of Neural Engineering, 2020, , .	3.5	9
5	A Separation Principle for Discrete-Time Fractional-Order Dynamical Systems and Its Implications to Closed-Loop Neurotechnology. , 2019, 3, 691-696.		6
6	Fractional cyber-neural systems â€" A brief survey. Annual Reviews in Control, 2022, 54, 386-408.	7.9	6
7	Cooperative curve tracking in two dimensions without explicit estimation of the field gradient. , 2017, , .		4
8	Fractional-Order Model Predictive Control for Neurophysiological Cyber-Physical Systems: A Case Study using Transcranial Magnetic Stimulation. , 2020, , .		2
9	Dealing with State Estimation in Fractional-Order Systems under Artifacts. , 2019, , .		2
10	Convergence of the Expectation-Maximization Algorithm Through Discrete-Time Lyapunov Stability Theory. , 2019, , .		1
11	Analysis of a Generalized Expectation-Maximization Algorithm for Gaussian Mixture Models: A Control Systems Perspective. International Journal of Control, 0, , 1-17.	1.9	1
12	Differential Evolution with Controlled Annihilation and Regeneration of Individuals and A Novel Mutation Scheme. Lecture Notes in Computer Science, 2013, , 286-297.	1.3	1
13	A Modular Approach to Level Curve Tracking With Two Nonholonomic Mobile Robots. , 2019, , .		1
14	NEO: NEuro-Inspired Optimizationâ€"A Fractional Time Series Approach. Frontiers in Physiology, 2021, 12, 724044.	2.8	0