

# Rastko R Selmic

## List of Publications by Year in descending order

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docs citations

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times ranked

386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Network-Based Formation Control With Target Tracking for Second-Order Nonlinear Multiagent Systems. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 328-341.	4.7	16
2	Spectral Properties of the Normalized Rigidity Matrix for Triangular Formations. , 2022, 6, 1154-1159.		3
3	HDP Algorithms for Trajectory Tracking and Formation Control of Multi-Agent Systems. IEEE Access, 2022, 10, 27136-27146.	4.2	1
4	A distributed FDI cyber-attack detection in discrete-time nonlinear multi-agent systems using neural networks. European Journal of Control, 2022, 66, 100646.	2.6	11
5	Neuro-Adaptive Formation Control and Target Tracking for Nonlinear Multi-Agent Systems With Time-Delay. , 2021, 5, 791-796.		36
6	Distance-Based Multiagent Formation Control With Energy Constraints Using SDRE. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 41-56.	4.7	28
7	Formation Control and Target Tracking for a Class of Nonlinear Multi-Agent Systems Using Neural Networks. , 2020, , .		4
8	Smart Glove and Hand Gesture-Based Control Interface for Multi-Rotor Aerial Vehicles in a Multi-Subject Environment. IEEE Access, 2020, 8, 227667-227677.	4.2	5
9	Robust Suboptimal Output Synchronization of Nonlinear Heterogeneous Agents. , 2020, , .		0
10	Optimal Distance-Based Formation Producing Control of Multi-Agent Systems with Energy Constraints and Collision Avoidance. , 2019, , .		2
11	Classifying Unordered Feature Sets with Convolutional Deep Averaging Networks. , 2019, , .		3
12	Smart Glove and Hand Gesture-based Control Interface For Multi-rotor Aerial Vehicles. , 2019, , .		5
13	On the Definiteness of Earth Mover's Distance and Its Relation to Set Intersection. IEEE Transactions on Cybernetics, 2018, 48, 3184-3196.	9.5	4
14	Cooperative Distance-Based Leader-Following Formation Control Using SDRE for Multi-Agents with Energy Constraints. , 2018, , .		4
15	An Optimal Displacement-Based Leader-Follower Formation Control for Multi-Agent Systems with Energy Consumption Constraints. , 2018, , .		4
16	Rigidity-Based Multiagent Layered Formation Control. IEEE Transactions on Cybernetics, 2017, 47, 1902-1913.	9.5	40
17	Estimating the distribution of unlabeled, correlated point sets. , 2017, , .		0
18	Neural network-based formation control of unmanned vehicles in 3D space. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Stabilization of non-planar multi-agent layered formations with double integrator model. , 2015, , .		5
20	Measuring Distance between Unordered Sets of Different Sizes. , 2014, , .		23
21	Unmanned Ground Vehicle Navigation in Coordinate-Free and Localization-Free Wireless Sensor and Actuator Networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 869-891.	3.4	6
22	Non-planar multi-agent formation control using coning graphs. , 2014, , .		4
23	Multi-UGV multi-destination navigation in coordinate-free and localization-free Wireless Sensor and Actuator Networks. , 2013, , .		2
24	Ultra-Wideband Signal Propagation Experiments in Liquid Media. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 215-220.	4.7	10
25	Dynamic leader-followers network model of human emotions and their fault detection. , 2010, , .		2
26	Wireless Sensor Network Modeling Using Modified Recurrent Neural Networks: Application to Fault Detection. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 981-988.	4.7	119
27	Real-Time Implementation of Fault Detection in Wireless Sensor Networks Using Neural Networks. , 2008, , .		11
28	Power leader fault detection in nonlinear leader-follower networks. , 2008, , .		4
29	Real-time implementation of intelligent actuator control with a transducer health monitoring capability. , 2008, , .		6
30	Intelligent Actuator Control in On-Board ISHM Concept. , 2007, , .		5
31	Fault Aware Wireless Sensor Networks. , 2007, , .		5
32	Wireless Sensor Network Modeling Using Modified Recurrent Neural Networks: Application to Fault Detection. , 2007, , .		10
33	Output feedback actuator fault detection in nonlinear systems using neural networks. , 2007, , .		1
34	Proximal policy optimization for formation navigation and obstacle avoidance. International Journal of Intelligent Robotics and Applications, 0, , .	2.8	3