Nemra Abdelkrim

List of Publications by Year
in descending order

		1307594	940533
20 papers	393 citations	7 h-index	16 g-index
21 all docs	21 docs citations	21 times ranked	405 citing authors

#	Article	IF	Citations
1	Parametric and Implicit Features-Based UAV–UGVs Time-Varying Formation Tracking: Dynamic Approach. Unmanned Systems, 2022, 10, 109-128.	3.6	5
2	A new filtering strategy for target tracking application using the second form of Smooth Variable Structure Filter. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 1224-1249.	1.0	1
3	Robust attitude estimation for an unmanned aerial vehicle using multiple GPS receivers. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 3540-3553.	1.3	0
4	Towards simultaneous localization and mapping tolerant to sensors and software faults: Application to omnidirectional mobile robot. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 269-288.	1.0	2
5	Multi-sensor fusion approach based on nonlinear $H\infty$ filter with interval type 2 fuzzy adaptive parameters tuning for unmanned vehicle localization. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 881-897.	1.0	4
6	Simultaneous localization and mapping navigation of unmanned ground vehicle based on second-order smooth variable structure filter with improved technique to combat fading for advanced wireless communications. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1258-1271.	1.0	4
7	Robust mobile robot navigation using fuzzy type 2 with wheel slip dynamic modeling and parameters uncertainties. International Journal of Modelling and Simulation, 2020, 40, 397-420.	3.3	9
8	$$NH_\infty $$NH∞-SLAM Algorithm for Autonomous Underwater Vehicle. Lecture Notes in Networks and Systems, 2019, , 193-203.	0.7	4
9	SLAM based on Adaptive SVSF for Cooperative Unmanned Vehicles in Dynamic environment. IFAC-PapersOnLine, 2019, 52, 73-80.	0.9	12
10	An Adaptive SVSF-SLAM Algorithm in Dynamic Environment for Cooperative Unmanned Vehicles. IFAC-PapersOnLine, 2019, 52, 394-399.	0.9	7
11	Visual SVSF-SLAM Algorithm Based on Adaptive Boundary Layer Width. Lecture Notes in Electrical Engineering, 2019, , 97-112.	0.4	7
12	Simultaneous localization, mapping, and path planning for unmanned vehicle using optimal control. Advances in Mechanical Engineering, 2018, 10, 168781401773665.	1.6	32
13	FPGA implementation of the RANSAC based image mosaicing algorithm using the Nios II softcore. , 2016, , .		0
14	Robust SVSF-SLAM for Unmanned Vehicle in Unknown Environment. IFAC-PapersOnLine, 2016, 49, 386-394.	0.9	36
15	Smooth Variable Structure Filter VSLAM. IFAC-PapersOnLine, 2016, 49, 205-211.	0.9	8
16	Implementation of LBP based image mosaicing algorithm on FPGA using Nios II softcore. , 2015, , .		0
17	Contribution to the implementation of image mosaicing algorithm on FPGA using NIOS II softcore. , 2015, , .		3
18	Autonomous Navigation System Using a Fuzzy Adaptive Nonlinear $H\infty$ Filter. Sensors, 2014, 14, 17600-17620.	3.8	11

#	Article	IF	Citations
19	Robust INS/GPS Sensor Fusion for UAV Localization Using SDRE Nonlinear Filtering. IEEE Sensors Journal, 2010, 10, 789-798.	4.7	191
20	Robust nonlinear filtering for INS/GPS UAV localization. , 2008, , .		56