

# Nemra Abdelkrim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2376221/publications.pdf>

Version: 2024-02-01

20  
papers

393  
citations

1307594

7  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust INS/GPS Sensor Fusion for UAV Localization Using SDRE Nonlinear Filtering. IEEE Sensors Journal, 2010, 10, 789-798.	4.7	191
2	Robust nonlinear filtering for INS/GPS UAV localization. , 2008, , .		56
3	Robust SVSF-SLAM for Unmanned Vehicle in Unknown Environment. IFAC-PapersOnLine, 2016, 49, 386-394.	0.9	36
4	Simultaneous localization, mapping, and path planning for unmanned vehicle using optimal control. Advances in Mechanical Engineering, 2018, 10, 168781401773665.	1.6	32
5	SLAM based on Adaptive SVSF for Cooperative Unmanned Vehicles in Dynamic environment. IFAC-PapersOnLine, 2019, 52, 73-80.	0.9	12
6	Autonomous Navigation System Using a Fuzzy Adaptive Nonlinear H $\infty$ Filter. Sensors, 2014, 14, 17600-17620.	3.8	11
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	Smooth Variable Structure Filter VSLAM. IFAC-PapersOnLine, 2016, 49, 205-211.	0.9	8
9	An Adaptive SVSF-SLAM Algorithm in Dynamic Environment for Cooperative Unmanned Vehicles. IFAC-PapersOnLine, 2019, 52, 394-399.	0.9	7
10	Visual SVSF-SLAM Algorithm Based on Adaptive Boundary Layer Width. Lecture Notes in Electrical Engineering, 2019, , 97-112.	0.4	7
11	Parametric and Implicit Features-Based UAV $\hat{=}$ UGVs Time-Varying Formation Tracking: Dynamic Approach. Unmanned Systems, 2022, 10, 109-128.	3.6	5
12	\$\$\$NHinfty \$\$\$NH $\hat{=}$ SLAM Algorithm for Autonomous Underwater Vehicle. Lecture Notes in Networks and Systems, 2019, , 193-203.	0.7	4
13	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
14	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
15	Contribution to the implementation of image mosaicing algorithm on FPGA using NIOS II softcore. , 2015, , .		3
16	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
17	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
18	Implementation of LBP based image mosaicing algorithm on FPGA using Nios II softcore. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	FPGA implementation of the RANSAC based image mosaicing algorithm using the Nios II softcore. , 2016, , .		0
20	Robust attitude estimation for an unmanned aerial vehicle using multiple GPS receivers. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering, 2022, 236, 3540-3553.	1.3	0