

Francesco Fanelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8144569/publications.pdf>

Version: 2024-02-01

24
papers

543
citations

933447

10
h-index

940533

16
g-index

27
all docs

27
docs citations

27
times ranked

489
citing authors

#	ARTICLE	IF	CITATIONS
1	Navigation Filter. Springer Theses, 2020, , 41-71.	0.1	0
2	Underwater Robotics Competitions: The European Robotics League Emergency Robots Experience With FeelHippo AUV. <i>Frontiers in Robotics and AI</i> , 2020, 7, 3.	3.2	4
3	UKF-Based Navigation System for AUVs: Online Experimental Validation. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 633-641.	3.8	37
4	Development of an ultra short baseline-aided buoy for underwater targets localization. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2019, 233, 1212-1225.	0.5	3
5	Marine Robots in Environmental Surveys: Current Developments at SIME Localisation and Navigation. <i>Ocean Engineering & Oceanography</i> , 2018, , 69-86.	0.2	1
6	An autonomous underwater vehicle and SUNSET to bridge underwater networks composed of multi-vendor modems. <i>Annual Reviews in Control</i> , 2018, 46, 295-303.	7.9	5
7	Optimization-based scaling procedure for the design of fully portable hand exoskeletons. <i>Meccanica</i> , 2018, 53, 3157-3175.	2.0	16
8	A low cost autonomous underwater vehicle for patrolling and monitoring. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2017, 231, 740-749.	0.5	27
9	A free floating manipulation strategy for Autonomous Underwater Vehicles. <i>Robotics and Autonomous Systems</i> , 2017, 87, 133-146.	5.1	12
10	Employment of an Autonomous Underwater Vehicle as mobile bridge among heterogeneous acoustic nodes. <i>IFAC-PapersOnLine</i> , 2017, 50, 12380-12385.	0.9	3
11	Sea currents estimation during AUV navigation using Unscented Kalman Filter. <i>IFAC-PapersOnLine</i> , 2017, 50, 13668-13673.	0.9	34
12	Enabling cooperation and networking in heterogeneous underwater networks composed of multi-vendor vehicles and modems. , 2017, , .		3
13	Magnetometers independent heading estimation strategy for UUV based on position and speed observations. , 2017, , .		1
14	Simultaneous navigation state and sea current estimation through augmented state Unscented Kalman Filter. , 2016, , .		4
15	Intervention-Autonomous Underwater Vehicle Multibody Models for Dynamic Manipulation Tasks. <i>Computational Methods in Applied Sciences (Springer)</i> , 2016, , 193-211.	0.3	0
16	Development and Online Validation of an UKF-based Navigation Algorithm for AUVs. <i>IFAC-PapersOnLine</i> , 2016, 49, 69-74.	0.9	14
17	FeelHippo: A low-cost autonomous underwater vehicle for subsea monitoring and inspection. , 2016, , .		4
18	Generic Path Planning Algorithm for Mobile Robots Based on Bézier Curves. <i>IFAC-PapersOnLine</i> , 2016, 49, 145-150.	0.9	12

#	ARTICLE	IF	CITATIONS
19	An automatic scaling procedure for a wearable and portable hand exoskeleton. , 2016, , .		9
20	An Attitude Estimation Algorithm for Mobile Robots Under Unknown Magnetic Disturbances. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1900-1911.	5.8	93
21	Underwater Vehicles attitude estimation in presence of magnetic disturbances. , 2016, , .		9
22	A new AUV navigation system exploiting unscented Kalman filter. Ocean Engineering, 2016, 113, 121-132.	4.3	177
23	Single axis FOG aided attitude estimation algorithm for mobile robots. Mechatronics, 2015, 30, 158-173.	3.3	37
24	A comparison between EKF-based and UKF-based navigation algorithms for AUVs localization. , 2015, , .		34