

Fausto Ferreira

List of Publications by Year in descending order

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46
papers

425
citations

1040056

9
h-index

888059

17
g-index

46
all docs

46
docs citations

46
times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	Underwater Robots: From Remotely Operated Vehicles to Intervention-Autonomous Underwater Vehicles. IEEE Robotics and Automation Magazine, 2019, 26, 94-101.	2.0	97
2	Real-time optical SLAM-based mosaicking for unmanned underwater vehicles. Intelligent Service Robotics, 2012, 5, 55-71.	2.6	34
3	Underwater optical and acoustic imaging: A time for fusion? a brief overview of the state-of-the-art. , 2016, , .		21
4	Forward looking sonar mosaicing for Mine Countermeasures. Annual Reviews in Control, 2015, 40, 212-226.	7.9	20
5	The euRathlon 2015 Grand Challenge: The First Outdoor Multi-domain Search and Rescue Robotics Competition – A Marine Perspective. Marine Technology Society Journal, 2016, 50, 81-97.	0.4	20
6	Multi-domain robotics competitions: The CMRE experience from SAUC-E to the European Robotics League Emergency Robots. , 2017, , .		17
7	euRathlon 2015: A Multi-domain Multi-robot Grand Challenge for Search and Rescue Robots. Lecture Notes in Computer Science, 2016, , 351-363.	1.3	15
8	Boosting the talent of new generations of marine engineers through robotics competitions in realistic environments: The SAUC-E and euRathlon experience. , 2015, , .		14
9	A real-time mosaicking algorithm using binary features for ROVs. , 2013, , .		13
10	Enhancing autonomous capabilities and human-robot interaction for Unmanned Surface Vehicles. , 2012, , .		11
11	A survey on real-time motion estimation techniques for underwater robots. Journal of Real-Time Image Processing, 2016, 11, 693-711.	3.5	11
12	Marine Robotics Competitions: a Survey. Current Robotics Reports, 2020, 1, 169-178.	7.9	11
13	Improving Automatic Target Recognition with Forward Looking Sonar Mosaics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3382-3387.	0.4	10
14	Online video mosaicing through SLAM for ROVs. , 2009, , .		9
15	Performance measures to improve evaluation of teams in the euRathlon 2014 sea robotics competition – ... IFAC-PapersOnLine, 2015, 48, 224-230.	0.9	9
16	Scoring robotic competitions: Balancing judging promptness and meaningful performance evaluation. , 2018, , .		9
17	Speeded Up Robust Features for vision-based underwater motion estimation and SLAM: comparison with correlation-based techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 273-278.	0.4	8
18	Comparison between feature-based and phase correlation methods for ROV vision-based speed estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 449-454.	0.4	8

#	ARTICLE	IF	CITATIONS
19	Current Regulatory Issues in the Usage of Autonomous Surface Vehicles. , 2018, , .		8
20	Fostering marine robotics through competitions: from SAUC-E to ERL Emergency 2018. , 2018, , .		7
21	A comparison between different feature-based methods for ROV vision-based speed estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 325-330.	0.4	6
22	Real-time Mosaicking of Large Scale Areas with Forward Looking Sonar~.... IFAC-PapersOnLine, 2015, 48, 32-37.	0.9	5
23	Liability issues of Unmanned Surface Vehicles. , 2018, , .		5
24	Increasing the operational safety of Autonomous Underwater Vehicles using the JANUS communication standard. , 2018, , .		5
25	From ERL to RAMI: Expanding Marine Robotics Competitions Through Virtual Events. , 2021, , .		5
26	Comparing region-based and feature-based methods for ROV vision-based motion estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 91-96.	0.4	4
27	The Challenge of Preparing Teams for the European Robotics League: Emergency. IS&T International Symposium on Electronic Imaging, 2017, 2017, 22-30.	0.4	4
28	euRathlon and ERL Emergency: A Multi-domain Multi-robot Grand Challenge for Search and Rescue Robots. Advances in Intelligent Systems and Computing, 2018, , 263-271.	0.6	4
29	An online SLAM-based mosaicking using local maps for ROVs. , 2011, , .		3
30	ROV vision-based motion estimation: a comparison study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 96-101.	0.4	3
31	The first JANUS Interoperability Fest - a field report. , 2019, , .		3
32	Advancing the EU Marine Robotics Research Infrastructure Network: the EU Marine Robots project. , 2021, , .		3
33	Large-scale mosaicking with spectral registration based simultaneous localization and mapping (iFMI-SLAM) in the Ligurian Sea. , 2013, , .		2
34	Large-scale image mosaicking using multimodal hyperedge constraints from multiple registration methods within the Generalized Graph SLAM framework. , 2014, , .		2
35	Aerial and Underwater Robots in Competition [Competitions]. IEEE Robotics and Automation Magazine, 2018, 25, 119-120.	2.0	2
36	Underwater/surface collision avoidance using underwater acoustic communications - a preliminary analysis. , 2019, , .		2

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37	The 2019 JANUS Interoperability Fest: A Field Report. Marine Technology Society Journal, 2021, 55, 5-16.	0.4	2
38	The Open Roboethics initiative and the elevator-riding robot. , 2016, , .		2
39	Breaking the Surface - lessons learned from over a decade of interdisciplinary workshops. , 2021, , .		2
40	Diver-Robot communication using wearable sensing diver glove. , 2021, , .		2
41	InnovaMare project - Strengthening the innovation ecosystem in underwater robotics and sensors in the Adriatic. , 2021, , .		2
42	A numerical comparison between Feature Correlation and Phase Correlation for motion estimation relative to sea bottom. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 272-276.	0.4	1
43	Binary visual features for ROV motion estimation. , 2013, , .		1
44	ROBOCADEMY " A European Initial Training Network for underwater robotics. , 2016, , .		1
45	About the Value of Standards for Ocean Technology. , 2021, , .		1
46	Creating a remote access-ready infrastructure for the future. , 2022, , .		1