

Matteo Franchi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

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1937685

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12
docs citations

12
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52
citing authors

#	ARTICLE	IF	CITATIONS
1	A forward-looking SONAR and dynamic model-based AUV navigation strategy: Preliminary validation with FeelHippo AUV. Ocean Engineering, 2020, 196, 106770.	4.3	29
2	Underwater navigation with 2D forward looking SONAR: An adaptive unscented Kalman filter-based strategy for AUVs. Journal of Field Robotics, 2021, 38, 355-385.	6.0	19
3	A Forward-Looking Sonar-Based System for Underwater Mosaicing and Acoustic Odometry. , 2018, , .		18
4	Sensor-driven autonomous underwater inspections: A receding-horizon RRT-based view planning solution for AUVs. Journal of Field Robotics, 2022, 39, 499-527.	6.0	18
5	LSTM-based Dead Reckoning Navigation for Autonomous Underwater Vehicles. , 2020, , .		16
6	Experimental Evaluation of a Forward-Looking Sonar-Based System for Acoustic Odometry. , 2019, , .		5
7	A Probabilistic 3D Map Representation for Forward-Looking SONAR Reconstructions. , 2020, , .		5
8	Underwater Robotics Competitions: The European Robotics League Emergency Robots Experience With FeelHippo AUV. Frontiers in Robotics and AI, 2020, 7, 3.	3.2	4
9	2D Forward Looking SONAR in Underwater Navigation Aiding: an AUKF-based strategy for AUVs. IFAC-PapersOnLine, 2020, 53, 14570-14575.	0.9	3
10	Marine Robotics for Recurrent Morphological Investigations of Micro-Tidal Marine-Coastal Environments. A Point of View. Journal of Marine Science and Engineering, 2021, 9, 1111.	2.6	2
11	Kinematic Constraints and ns-3 Mobility Models. , 2017, , .		1
12	Covariance and Gain-based Federated Unscented Kalman Filter for Acoustic-Visual-Inertial Underwater Navigation. , 2021, , .		1