

# Oscar De Silva

## List of Publications by Year in descending order

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22  
papers

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citations

1163117

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docs citations

22  
times ranked

341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computationally Efficient Stability-Based Nonlinear Model Predictive Control Design for Quadrotor Aerial Vehicles. IEEE Transactions on Control Systems Technology, 2023, 31, 615-630.	5.2	1
2	A Machine Learning Method for Inland Water Detection Using CYGNSS Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	22
3	Nonlinear MPC Without Terminal Costs or Constraints for Multi-Rotor Aerial Vehicles. , 2022, 6, 440-445.		1
4	Toward Developing an Indoor Localization System for MAVs Using Two or Three RF Range Anchors: An Observability Based Approach. IEEE Sensors Journal, 2022, 22, 5173-5187.	4.7	3
5	Improved Sea-Ice Identification Using Semantic Segmentation With Raindrop Removal. IEEE Access, 2022, 10, 21599-21607.	4.2	3
6	Sea Ice Classification via Deep Neural Network Semantic Segmentation. IEEE Sensors Journal, 2021, 21, 11879-11888.	4.7	22
7	Observability-Constrained VINS for MAVs Using Interacting Multiple Model Algorithm. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1423-1442.	4.7	10
8	Quadcopter Disturbance Estimation using Different Learning Methods. , 2021, , .		0
9	Two Key-Frame State Marginalization for Computationally Efficient Visual Inertial Navigation. , 2021, , .		0
10	In-situ Sea Ice Detection using DeepLabv3 Semantic Segmentation. , 2021, , .		4
11	Flash Flood Detection From CYGNSS Data Using the RUSBoost Algorithm. IEEE Access, 2020, 8, 171864-171881.	4.2	13
12	ROS Based Real-Time Motion Control for Robotic Visual Arts Exhibit Using Decawave Local Positioning System. , 2020, , .		4
13	Unmanned Aerial Systems for the Oil and Gas Industry: Overview, Applications, and Challenges. IEEE Access, 2020, 8, 166980-166997.	4.2	16
14	The Internet of Things in the Oil and Gas Industry: A Systematic Review. IEEE Internet of Things Journal, 2020, 7, 8654-8673.	8.7	77
15	Digital Twin for the Oil and Gas Industry: Overview, Research Trends, Opportunities, and Challenges. IEEE Access, 2020, 8, 104175-104197.	4.2	151
16	Detecting Floods Caused by Tropical Cyclone Using CYGNSS Data. , 2020, , .		2
17	Kalman Filter based Range Estimation and Clock Synchronization for Ultra Wide Band Networks. , 2020, , .		3
18	Sea Ice Image Semantic Segmentation Using Deep Neural Networks. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	An Ultrasonic and Vision-Based Relative Positioning Sensor for Multirobot Localization. IEEE Sensors Journal, 2015, 15, 1716-1726.	4.7	38
20	Efficient distributed multi-robot localization: A target tracking inspired design. , 2015, , .		11
21	Pairwise observable relative localization in ground aerial multi-robot networks. , 2014, , .		7
22	Relative localization with symmetry preserving observers. , 2014, , .		4