

# Ivan Masmitja

## List of Publications by Year in descending order

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papers

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1163117  
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all docs

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docs citations

18  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and initial design of bidirectional acoustic tag modulation schemes and communication protocol. , 2021, , .		2
2	Miniaturised bidirectional acoustic tag to enhance marine animal tracking studies. , 2021, , .		1
3	Spatial ecology of Norway lobster <i>Nephrops norvegicus</i> in Mediterranean deep-water environments: implications for designing no-take marine reserves. <i>Marine Ecology - Progress Series</i> , 2021, 674, 173-188.	1.9	15
4	Mobile robotic platforms for the acoustic tracking of deep-sea demersal fishery resources. <i>Science Robotics</i> , 2020, 5, .	17.6	33
5	Obsea: A Decadal Balance for a Cabled Observatory Deployment. <i>IEEE Access</i> , 2020, 8, 33163-33177.	4.2	31
6	Exo-Ocean Exploration with Deep-Sea Sensor and Platform Technologies. <i>Astrobiology</i> , 2020, 20, 897-915.	3.0	15
7	Range-Only Single-Beacon Tracking of Underwater Targets From an Autonomous Vehicle: From Theory to Practice. <i>IEEE Access</i> , 2019, 7, 86946-86963.	4.2	14
8	Area-only method for underwater object tracking using autonomous vehicles. , 2019, , .		0
9	Underwater Multi-Target Tracking with Particle Filters. , 2018, , .		6
10	Optimal path shape for range-only underwater target localization using a Wave Glider. <i>International Journal of Robotics Research</i> , 2018, 37, 1447-1462.	8.5	16
11	New Vectorial Propulsion System and Trajectory Control Designs for Improved AUV Mission Autonomy. <i>Sensors</i> , 2018, 18, 1241.	3.8	9
12	Design a vectorial propulsion system for Guanay II AW. , 2017, , .		0
13	Range-only underwater target localization: Path characterization. , 2016, , .		6
14	Design of obstacle detection and avoidance system for Guanay II AUV. , 2016, , .		6
15	GUANAY-II: an autonomous underwater vehicle for vertical/horizontal sampling. <i>Journal of Marine Science and Technology</i> , 2015, 20, 81-93.	2.9	17
16	Underwater potentiostat for real-time electrochemical corrosion measurements. , 2014, , .		0
17	Buoyancy model for Guanay II AUV. , 2014, , .		6
18	Mathematical model of the Guanay II AUV. , 2013, , .		4