

Renato Mendes

List of Publications by Year in descending order

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34
papers

587
citations

686830
13
h-index

752256
20
g-index

34
all docs

34
docs citations

34
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordinated Robotic Exploration of Dynamic Open Ocean Phenomena. , 2022, 2, 843-871.		1
2	To Boldly Dive Where No One Has Gone Before: Experiments in Coordinated Robotic Ocean Exploration. Springer Proceedings in Advanced Robotics, 2021, , 472-487.	0.9	5
3	Assessing salt marsh loss and degradation by combining long-term LANDSAT imagery and numerical modelling. Land Degradation and Development, 2021, 32, 4534-4545.	1.8	10
4	Coupled modelling of the interaction between dissolved substances emitted by Minho and Lima estuarine outflows (Portugal). Journal of Marine Systems, 2021, 222, 103601.	0.9	5
5	3D Tracking of a River Plume Front with an AUV. , 2021, , .		0
6	Optimal AUV trajectory planning and execution control for maritime pollution incident response. , 2021, , .		0
7	Assessing salt marsh extent and condition changes with 35 years of Landsat imagery: Tagus Estuary case study. Remote Sensing of Environment, 2020, 247, 111939.	4.6	28
8	The Value Function as a Decision Support Tool in Unmanned Vehicle Operations. IFAC-PapersOnLine, 2020, 53, 14608-14613.	0.5	4
9	Toward adaptive robotic sampling of phytoplankton in the coastal ocean. Science Robotics, 2019, 4, .	9.9	56
10	Optimizing autonomous underwater vehicle routes with the aid of high resolution ocean models. , 2019, , .		3
11	Evaluation of long-term estuarine vegetation changes through Landsat imagery. Science of the Total Environment, 2019, 653, 512-522.	3.9	22
12	Numerical Characterization of the Douro River Plume. Lecture Notes in Computer Science, 2019, , 279-286.	1.0	0
13	Multiple Autonomous Vehicles Applied to Plume Detection and Tracking. , 2018, , .		6
14	Characterization of Highly Dynamic Coastal Environments, Employing Teams of Heterogeneous Vehicles: A Holistic Case Study. , 2018, , .		4
15	Trajectory Optimization for Underwater Vehicles in Time-Varying Ocean Flows. , 2018, , .		3
16	Using AUVs to study estuarine outflow stratification under severe environmental constraints. , 2018, , .		1
17	Field Report: Exploring Fronts with Multiple Robots. , 2018, , .		7
18	Marine robotics exploration of a large-scale open-ocean front. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	A new front-tracking algorithm for marine robots. , 2018, , .		6
20	Development and deployment of an estuarine microbuoy. , 2018, , .		0
21	Using LAUVs in highly dynamic environments: influence of the tidal estuarine outflow in the thermocline structure. , 2018, , .		2
22	Information-driven robotic sampling in the coastal ocean. <i>Journal of Field Robotics</i> , 2018, 35, 1101-1121.	3.2	37
23	Integrated High-resolution Numerical Model for the NW Iberian Peninsula Coast and Main Estuarine Systems. <i>Journal of Coastal Research</i> , 2018, 85, 66-70.	0.1	10
24	Seasonal and interannual variability of the Douro turbid river plume, northwestern Iberian Peninsula. <i>Remote Sensing of Environment</i> , 2017, 194, 401-411.	4.6	23
25	Characterization of Iberian turbid plumes by means of synoptic patterns obtained through MODIS imagery. <i>Journal of Sea Research</i> , 2017, 126, 12-25.	0.6	24
26	Influence of main forcing affecting the Tagus turbid plume under high river discharges using MODIS imagery. <i>PLoS ONE</i> , 2017, 12, e0187036.	1.1	16
27	Fundão Dam collapse: Oceanic dispersion of River Doce after the greatest Brazilian environmental accident. <i>Marine Pollution Bulletin</i> , 2016, 112, 359-364.	2.3	118
28	Satellite-measured interannual variability of turbid river plumes off central-southern Chile: Spatial patterns and the influence of climate variability. <i>Progress in Oceanography</i> , 2016, 146, 212-222.	1.5	53
29	New insights into the Western Iberian Buoyant Plume: Interaction between the Douro and Minho River plumes under winter conditions. <i>Progress in Oceanography</i> , 2016, 141, 30-43.	1.5	32
30	Analysis of the influence of river discharge and wind on the Ebro turbid plume using MODIS-Aqua and MODIS-Terra data. <i>Journal of Marine Systems</i> , 2015, 142, 40-46.	0.9	41
31	Unusual Circulation Patterns of the Rias Baixas Induced by Minho Freshwater Intrusion (NW of the Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	11
32	Observation of a turbid plume using MODIS imagery: The case of Douro estuary (Portugal). <i>Remote Sensing of Environment</i> , 2014, 154, 127-138.	4.6	34
33	Potential impacts of the mean sea level rise on the hydrodynamics of the Douro river estuary. <i>Journal of Coastal Research</i> , 2013, 165, 1951-1956.	0.1	8
34	Storm surge impact in the hydrodynamics of a tidal lagoon: the case of Ria de Aveiro. <i>Journal of Coastal Research</i> , 2013, 65, 796-801.	0.1	14