Ricard Campos

List of Publications by Year
in descending order

19 papers	**598** citations	932766 **10** h-index	1125271 **13** g-index
21 all docs	**21** docs citations	**21** times ranked	**734** citing authors

#	Article	IF	Citations
1	Tectonic structure, evolution, and the nature of oceanic core complexes and their detachment fault zones (13Â°20â€²N and 13Â°30â€²N, Mid Atlantic Ridge). Geochemistry, Geophysics, Geosystems, 2017, 18, 1451-1482.	1.0	94
2	Coverage Path Planning with Real-time Replanning and Surface Reconstruction for Inspection of Three-dimensional Underwater Structures using Autonomous Underwater Vehicles. Journal of Field Robotics, 2015, 32, 952-983.	3.2	87
3	Reconfigurable AUV for intervention missions: a case study on underwater object recovery. Intelligent Service Robotics, 2012, 5, 19-31.	1.6	82
4	Autonomous Underwater Navigation and Optical Mapping in Unknown Natural Environments. Sensors, 2016, 16, 1174.	2.1	50
5	A surface reconstruction method for in-detail underwater 3D optical mapping. International Journal of Robotics Research, 2015, 34, 64-89.	5.8	44
6	Mapping the Moon: Using a lightweight AUV to survey the site of the 17th century ship â€˜La Luneâ€™. , 2013, , .		42
7	Underwater caves sonar data set. International Journal of Robotics Research, 2017, 36, 1247-1251.	5.8	37
8	Coverage path planning with realtime replanning for inspection of 3D underwater structures. , 2014, , .		31
9	Underwater Multi-Vehicle Trajectory Alignment and Mapping Using Acoustic and Optical Constraints. Sensors, 2016, 16, 387.	2.1	29
10	First direct observation of coseismic slip and seafloor rupture along a submarine normal fault and implications for fault slip history. Earth and Planetary Science Letters, 2016, 450, 96-107.	1.8	21
11	An Improved Skin Lesion Matching Scheme in Total Body Photography. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 586-598.	3.9	17
12	Surface reconstruction methods for the recovery of 3D models from underwater interest areas. , 2011, , .		15
13	Splat-based surface reconstruction from defect-laden point sets. Graphical Models, 2013, 75, 346-361.	1.1	10
14	Automated Detection of Underwater Military Munitions Using Fusion of 2D and 2.5D Features From Optical Imagery. Marine Technology Society Journal, 2014, 48, 61-71.	0.3	7
15	Global Alignment of a Multiple-Robot Photomosaic using Opto-Acoustic Constraints. IFAC-PapersOnLine, 2015, 48, 20-25.	0.5	7
16	3D Simplification Methods and Large Scale Terrain Tiling. Remote Sensing, 2020, 12, 437.	1.8	7
17	Kornati bathymetry survey data-set for navigation and mapping. , 2011, , .		3
18	Surface meshing of underwater maps from highly defective point sets. Journal of Field Robotics, 2018, 35, 491-515.	3.2	1

#	Article	IF	Citations
19	Scientific Visualization on the Cloud: the NEANIAS Services towards EOSC Integration. Journal of Grid Computing, 2022, 20, 1.	2.5	0