

Klemen Istenic

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

264
citations

1040056

9
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous Underwater Navigation and Optical Mapping in Unknown Natural Environments. Sensors, 2016, 16, 1174.	3.8	50
2	Close-Range Tracking of Underwater Vehicles Using Light Beacons. Sensors, 2016, 16, 429.	3.8	33
3	Multisensor online 3D view planning for autonomous underwater exploration. Journal of Field Robotics, 2020, 37, 1123-1147.	6.0	28
4	Automatic scale estimation of structure from motion based 3D models using laser scalers in underwater scenarios. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 13-25.	11.1	24
5	Online View Planning for Inspecting Unexplored Underwater Structures. IEEE Robotics and Automation Letters, 2017, 2, 1436-1443.	5.1	21
6	First attempts towards the restoration of gorgonian populations on the Mediterranean continental shelf. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 1278-1284.	2.0	20
7	Two-Dimensional Frontier-Based Viewpoint Generation for Exploring and Mapping Underwater Environments. Sensors, 2019, 19, 1460.	3.8	17
8	Fast Incremental Bundle Adjustment with Covariance Recovery. , 2017, , .		13
9	Scale Accuracy Evaluation of Image-Based 3D Reconstruction Strategies Using Laser Photogrammetry. Remote Sensing, 2019, 11, 2093.	4.0	12
10	Omnidirectional Multicamera Video Stitching Using Depth Maps. IEEE Journal of Oceanic Engineering, 2020, 45, 1337-1352.	3.8	12
11	Mission-time 3D reconstruction with quality estimation. , 2017, , .		8
12	Immersive Touring for Marine Archaeology. Application of a New Compact Omnidirectional Camera to Mapping the GaliÅž shipwreck withÅan AUV. Advances in Intelligent Systems and Computing, 2018, , 183-195.	0.6	5
13	Optimized Environment Exploration for Autonomous Underwater Vehicles. , 2018, , .		4
14	Performing submarine field survey without scuba gear using GIS-like mapping in a Virtual Reality environment. , 2019, , .		4
15	Hyperspectral 3D Mapping of Underwater Environments. , 2021, , .		4
16	Collision Detection and Avoidance for Underwater Vehicles Using Omnidirectional Vision. Sensors, 2022, 22, 5354.	3.8	4
17	Allowing untrained scientists to safely pilot ROVs: Early collision detection and avoidance using omnidirectional vision. , 2020, , .		2
18	Calibration of asynchronous smart phone cameras from moving objects. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Combined use of a frame and a linear pushbroom camera for deep-sea 3D hyperspectral mapping. , 2021, ,		0