

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	Collision Detection and Avoidance for Underwater Vehicles Using Omnidirectional Vision. Sensors, 2022, 22, 5354.	3.8	4
2	Hyperspectral 3D Mapping of Underwater Environments. , 2021, , .		4
3	Combined use of a frame and a linear pushbroom camera for deep-sea 3D hyperspectral mapping. , 2021, , .		0
4	Omnidirectional Multicamera Video Stitching Using Depth Maps. IEEE Journal of Oceanic Engineering, 2020, 45, 1337-1352.	3.8	12
5	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
6	Multisensor online 3D view planning for autonomous underwater exploration. Journal of Field Robotics, 2020, 37, 1123-1147.	6.0	28
7	Allowing untrained scientists to safely pilot ROVs: Early collision detection and avoidance using omnidirectional vision. , 2020, , .		2
8	Performing submarine field survey without scuba gear using GIS-like mapping in a Virtual Reality environment. , 2019, , .		4
9	Scale Accuracy Evaluation of Image-Based 3D Reconstruction Strategies Using Laser Photogrammetry. Remote Sensing, 2019, 11, 2093.	4.0	12
10	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
11	Two-Dimensional Frontier-Based Viewpoint Generation for Exploring and Mapping Underwater Environments. Sensors, 2019, 19, 1460.	3.8	17
12	Immersive Touring for Marine Archaeology. Application of a New Compact Omnidirectional Camera to Mapping the GaliÅž shipwreck with Ån AUV. Advances in Intelligent Systems and Computing, 2018, , 183-195.	0.6	5
13	Optimized Environment Exploration for Autonomous Underwater Vehicles. , 2018, , .		4
14	Online View Planning for Inspecting Unexplored Underwater Structures. IEEE Robotics and Automation Letters, 2017, 2, 1436-1443.	5.1	21
15	Mission-time 3D reconstruction with quality estimation. , 2017, , .		8
16	Fast Incremental Bundle Adjustment with Covariance Recovery. , 2017, , .		13
17	Close-Range Tracking of Underwater Vehicles Using Light Beacons. Sensors, 2016, 16, 429.	3.8	33
18	Autonomous Underwater Navigation and Optical Mapping in Unknown Natural Environments. Sensors, 2016, 16, 1174.	3.8	50

#	ARTICLE	IF	CITATIONS
19	Calibration of asynchronous smart phone cameras from moving objects. Proceedings of SPIE, 2015, , .	0.8	0