

Marco Pertile

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

592
citations

1307366

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1199470

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24
all docs

24
docs citations

24
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. Science, 2015, 347, aaa1044.	6.0	366
2	An evaluation of ROS-compatible stereo visual SLAM methods on a nVidia Jetson TX2. Measurement: Journal of the International Measurement Confederation, 2019, 140, 161-170.	2.5	45
3	Retrieving Scale on Monocular Visual Odometry Using Low-Resolution Range Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5875-5889.	2.4	30
4	Information Dynamics of the Brain, Cardiovascular and Respiratory Network during Different Levels of Mental Stress. Entropy, 2019, 21, 275.	1.1	29
5	Uncertainty comparison of three visual odometry systems in different operative conditions. Measurement: Journal of the International Measurement Confederation, 2016, 78, 388-396.	2.5	16
6	Scale Correct Monocular Visual Odometry Using a LiDAR Altimeter. , 2018, , .		12
7	Evaluation of 3D CNN Semantic Mapping for Rover Navigation. , 2020, , .		12
8	Calibration procedures of a vision-based system for relative motion estimation between satellites flying in proximity. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107161.	2.5	11
9	MiniVO: Minimalistic Range Enhanced Monocular System for Scale Correct Pose Estimation. IEEE Sensors Journal, 2020, 20, 11874-11886.	2.4	8
10	Uncertainty evaluation of a vision system for pose measurement of a spacecraft with fiducial markers. , 2015, , .		7
11	A comparison of monocular and stereo visual FastSLAM implementations. , 2016, , .		7
12	Monocular visual odometry aided by a low resolution time of flight camera. , 2017, , .		7
13	Experimental evaluation of a camera rig extrinsic calibration method based on retro-reflective markers detection. Measurement: Journal of the International Measurement Confederation, 2019, 140, 47-55.	2.5	7
14	RoboEye, an Efficient, Reliable and Safe Semi-Autonomous Gaze Driven Wheelchair for Domestic Use. Technologies, 2021, 9, 16.	3.0	7
15	Metrological Characterization of a Vision-Based System for Relative Pose Measurements with Fiducial Marker Mapping for Spacecrafts. Robotics, 2018, 7, 43.	2.1	5
16	Camera Rig Extrinsic Calibration Using a Motion Capture System. , 2018, , .		4
17	Design of a user-friendly control system for planetary rovers with CPS feature. , 2021, , .		4
18	Viewpoint Selection for Rover Relative Pose Estimation Driven by Minimal Uncertainty Criteria. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	4

#	ARTICLE	IF	CITATIONS
19	Calibration of extrinsic parameters of a hybrid vision system for navigation comprising a very low resolution Time-of-Flight camera. , 2017, , .		3
20	Rover Relative Localization Testing in Martian Relevant Environment. , 2019, , .		3
21	Effect of rolling shutter on visual odometry systems suitable for planetary exploration. , 2016, , .		2
22	Occupancy grid mapping for rover navigation based on semantic segmentation. Acta IMEKO (2012), 2021, 10, 155.	0.4	2
23	Vision system for tether tip-mass detection during deployment on high-eccentricity orbit. , 2017, , .		1
24	Position Measurement and Uncertainty Analysis for the Shutter Mechanism Mounted on the Rosetta Mission. , 2018, , .		0