

Marco Camurri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8462191/publications.pdf>

Version: 2024-02-01

23
papers

594
citations

1040056

9
h-index

1372567

10
g-index

23
all docs

23
docs citations

23
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Balancing the Budget: Feature Selection and Tracking for Multi-Camera Visual-Inertial Odometry. IEEE Robotics and Automation Letters, 2022, 7, 1182-1189.	5.1	9
2	CERBERUS: Autonomous Legged and Aerial Robotic Exploration in the Tunnel and Urban Circuits of the DARPA Subterranean Challenge. , 2022, 2, 274-324.		36
3	Unsupervised Learning of Terrain Representations for Haptic Monte Carlo Localization. , 2022, , .		2
4	Unified Multi-Modal Landmark Tracking for Tightly Coupled Lidar-Visual-Inertial Odometry. IEEE Robotics and Automation Letters, 2021, 6, 1004-1011.	5.1	65
5	Navigating by touch: haptic Monte Carlo localization via geometric sensing and terrain classification. Autonomous Robots, 2021, 45, 843-857.	4.8	12
6	Learning Camera Performance Models for Active Multi-Camera Visual Teach and Repeat. , 2021, , .		3
7	Elastic and Efficient LiDAR Reconstruction for Large-Scale Exploration Tasks. , 2021, , .		7
8	Preintegrated Velocity Bias Estimation to Overcome Contact Nonlinearities in Legged Robot Odometry. , 2020, , .		15
9	Pronto: A Multi-Sensor State Estimator for Legged Robots in Real-World Scenarios. Frontiers in Robotics and AI, 2020, 7, 68.	3.2	42
10	Heuristic Planning for Rough Terrain Locomotion in Presence of External Disturbances and Variable Perception Quality. Springer Tracts in Advanced Robotics, 2020, , 165-209.	0.4	16
11	The Newer College Dataset: Handheld LiDAR, Inertial and Vision with Ground Truth. , 2020, , .		73
12	Haptic Sequential Monte Carlo Localization for Quadrupedal Locomotion in Vision-Denied Scenarios. , 2020, , .		4
13	Robust Legged Robot State Estimation Using Factor Graph Optimization. IEEE Robotics and Automation Letters, 2019, 4, 4507-4514.	5.1	45
14	A Factor Graph Approach to Multi-camera Extrinsic Calibration on Legged Robots. , 2019, , .		4
15	Fast and Continuous Foothold Adaptation for Dynamic Locomotion Through CNNs. IEEE Robotics and Automation Letters, 2019, 4, 2140-2147.	5.1	42
16	Probabilistic Contact Estimation and Impact Detection for State Estimation of Quadruped Robots. IEEE Robotics and Automation Letters, 2017, 2, 1023-1030.	5.1	59
17	Active camera stabilization to enhance the vision of agile legged robots. Robotica, 2017, 35, 942-960.	1.9	3
18	Reactive trotting with foot placement corrections through visual pattern classification. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	Development of the lightweight hydraulic quadruped robot — MiniHyQ. , 2015, , .		22
20	Real-time depth and inertial fusion for local SLAM on dynamic legged robots. , 2015, , .		7
21	3D Hough transform for sphere recognition on point clouds. Machine Vision and Applications, 2014, 25, 1877-1891.	2.7	36
22	Hand segmentation for gesture recognition in EGO-vision. , 2013, , .		41
23	Heterogeneous Sensor Fusion for Accurate State Estimation of Dynamic Legged Robots. , 0, , .		42