

# 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	The Newer College Dataset: Handheld LiDAR, Inertial and Vision with Ground Truth. , 2020, , .		73
2	Unified Multi-Modal Landmark Tracking for Tightly Coupled Lidar-Visual-Inertial Odometry. IEEE Robotics and Automation Letters, 2021, 6, 1004-1011.	5.1	65
3	Probabilistic Contact Estimation and Impact Detection for State Estimation of Quadruped Robots. IEEE Robotics and Automation Letters, 2017, 2, 1023-1030.	5.1	59
4	Robust Legged Robot State Estimation Using Factor Graph Optimization. IEEE Robotics and Automation Letters, 2019, 4, 4507-4514.	5.1	45
5	Fast and Continuous Foothold Adaptation for Dynamic Locomotion Through CNNs. IEEE Robotics and Automation Letters, 2019, 4, 2140-2147.	5.1	42
6	Pronto: A Multi-Sensor State Estimator for Legged Robots in Real-World Scenarios. Frontiers in Robotics and AI, 2020, 7, 68.	3.2	42
7	Heterogeneous Sensor Fusion for Accurate State Estimation of Dynamic Legged Robots. , 0, , .		42
8	Hand segmentation for gesture recognition in EGO-vision. , 2013, , .		41
9	3D Hough transform for sphere recognition on point clouds. Machine Vision and Applications, 2014, 25, 1877-1891.	2.7	36
10	CERBERUS: Autonomous Legged and Aerial Robotic Exploration in the Tunnel and Urban Circuits of the DARPA Subterranean Challenge. , 2022, 2, 274-324.		36
11	Development of the lightweight hydraulic quadruped robot &#x2014; MiniHyQ. , 2015, , .		22
12	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
13	Preintegrated Velocity Bias Estimation to Overcome Contact Nonlinearities in Legged Robot Odometry. , 2020, , .		15
14	Navigating by touch: haptic Monte Carlo localization via geometric sensing and terrain classification. Autonomous Robots, 2021, 45, 843-857.	4.8	12
15	Reactive trotting with foot placement corrections through visual pattern classification. , 2015, , .		9
16	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
17	Real-time depth and inertial fusion for local SLAM on dynamic legged robots. , 2015, , .		7
18	Elastic and Efficient LiDAR Reconstruction for Large-Scale Exploration Tasks. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
19	A Factor Graph Approach to Multi-camera Extrinsic Calibration on Legged Robots. , 2019, , .		4
20	Haptic Sequential Monte Carlo Localization for Quadrupedal Locomotion in Vision-Denied Scenarios. , 2020, , .		4
21	Active camera stabilization to enhance the vision of agile legged robots. Robotica, 2017, 35, 942-960.	1.9	3
22	Learning Camera Performance Models for Active Multi-Camera Visual Teach and Repeat. , 2021, , .		3
23	Unsupervised Learning of Terrain Representations for Haptic Monte Carlo Localization. , 2022, , .		2