Benjamin Morrell

List of Publications by Year
in descending order

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13 papers	330 citations	1307594 7 h-index	1372567 10 g-index
13 all docs	13 docs citations	13 times ranked	203 citing authors

#	Article	IF	Citations
1	Towards Resilient Autonomous Navigation of Drones. Springer Proceedings in Advanced Robotics, 2022, , 922-937.	1.3	9
2	LOCUS 2.0: Robust and Computationally Efficient Lidar Odometry for Real-Time 3D Mapping. IEEE Robotics and Automation Letters, 2022, 7, 9043-9050.	5.1	32
3	LAMP 2.0: A Robust Multi-Robot SLAM System for Operation in Challenging Large-Scale Underground Environments. IEEE Robotics and Automation Letters, 2022, 7, 9175-9182.	5.1	38
4	Loop Closure Prioritization for Efficient and Scalable Multi-Robot SLAM. IEEE Robotics and Automation Letters, 2022, 7, 9651-9658.	5.1	8
5	Exploring Event Camera-Based Odometry for Planetary Robots. IEEE Robotics and Automation Letters, 2022, 7, 8651-8658.	5.1	16
6	NeBula: TEAM CoSTARâ€™s Robotic Autonomy Solution that Won Phase II of DARPA Subterranean Challenge. , 2022, 2, 1432-1506.		15
7	Range-Aided Pose-Graph-Based SLAM: Applications of Deployable Ranging Beacons for Unknown Environment Exploration. IEEE Robotics and Automation Letters, 2021, 6, 48-55.	5.1	19
8	LOCUS: A Multi-Sensor Lidar-Centric Solution for High-Precision Odometry and 3D Mapping in Real-Time. IEEE Robotics and Automation Letters, 2021, 6, 421-428.	5.1	68
9	Corrections to â€œLOCUS: A Multi-Sensor Lidar-Centric Solution for High-Precision Odometry and 3D Mapping in Real-Timeâ€•[Apr 21 421-428]. IEEE Robotics and Automation Letters, 2021, 6, 3760-3760.	5.1	2
10	3D Shape Reconstruction of Small Bodies From Sparse Features. IEEE Robotics and Automation Letters, 2021, 6, 7089-7096.	5.1	5
11	LAMP: Large-Scale Autonomous Mapping and Positioning for Exploration of Perceptually-Degraded Subterranean Environments. , 2020, , .		96
12	An Autonomous Quadrotor System for Robust High-Speed Flight Through Cluttered Environments Without GPS. , 2019, , .		4
13	Comparison of Trajectory Optimization Algorithms for High-Speed Quadrotor Flight Near Obstacles. IEEE Robotics and Automation Letters, 2018, 3, 4399-4406.	5.1	18