Gonzalo Ferrer

List of Publications by Year
in descending order

27 papers	643 citations	1163117 8 h-index	1474206 9 g-index
28 all docs	28 docs citations	28 times ranked	413 citing authors

#	Article	IF	Citations
1	Robot companion: A social-force based approach with human awareness-navigation in crowded environments. , 2013, , .		149
2	Robot social-aware navigation framework to accompany people walking side-by-side. Autonomous Robots, 2017, 41, 775-793.	4.8	71
3	Proactive kinodynamic planning using the Extended Social Force Model and human motion prediction in urban environments. , 2014, , .		63
4	Social-aware robot navigation in urban environments. , 2013, , .		55
5	Autonomous navigation in dynamic social environments using Multi-Policy Decision Making. , 2016, , .		51
6	Bayesian Human Motion Intentionality Prediction in urban environments. Pattern Recognition Letters, 2014, 44, 134-140.	4.2	46
7	Behavior estimation for a complete framework for human motion prediction in crowded environments. , 2014, , .		42
8	Multi-objective cost-to-go functions on robot navigation in dynamic environments. , 2015, , .		18
9	Anticipative kinodynamic planning: multi-objective robot navigation in urban and dynamic environments. Autonomous Robots, 2019, 43, 1473-1488.	4.8	18
10	On-line adaptive side-by-side human robot companion in dynamic urban environments. , 2017, , .		17
11	Comparative analysis of human motion trajectory prediction using minimum variance curvature. , 2011, , .		15
12	Eigen-Factors: Plane Estimation for Multi-Frame and Time-Continuous Point Cloud Alignment. , 2019, , .		14
13	HoverBots: Precise Locomotion Using Robots That Are Designed for Manufacturability. Frontiers in Robotics and AI, 2017, 4, .	3.2	12
14	AprilSAM: Real-Time Smoothing and Mapping. , 2018, , .		9
15	Backprop-MPDM: Faster Risk-Aware Policy Evaluation Through Efficient Gradient Optimization. , 2018, , .		9
16	Multi-Functional Sensing for Swarm Robots Using Time Sequence Classification: HoverBot, an Example. Frontiers in Robotics and AI, 2018, 5, 55.	3.2	8
17	MPDM: Multi-policy Decision-Making from Autonomous Driving to Social Robot Navigation. Lecture Notes in Control and Information Sciences, 2019, , 201-223.	1.0	8
18	Twist-n-Sync: Software Clock Synchronization with Microseconds Accuracy Using MEMS-Gyroscopes. Sensors, 2021, 21, 68.	3.8	8

#	Article	IF	Citations
19	Fast discovery of influential outcomes for risk-aware MPDM. , 2017, , .		6
20	Be your own Benchmark: No-Reference Trajectory Metric on Registered Point Clouds. , 2021, , .		4
21	Random Fourier Features based SLAM. , 2021, , .		3
22	CovarianceNet: Conditional Generative Model for Correct Covariance Prediction in Human Motion Prediction. , 2021, , .		2
23	Conditioned Human Trajectory Prediction using Iterative Attention Blocks. , 2022, , .		2
24	Multimodal feedback fusion of laser, image and temporal information. , 2014, , .		1
25	C-MPDM: Continuously-Parameterized Risk-Aware MPDM by Quickly Discovering Contextual Policies. , 2018, , .		1
26	Sub-millisecond Video Synchronization of Multiple Android Smartphones. , 2021, , .		1
27	SmartDepthSync: Open Source Synchronized Video Recording System of Smartphone RGB and Depth Camera Range Image Frames With Sub-Millisecond Precision. IEEE Sensors Journal, 2022, 22, 7043-7052.	4.7	1