

K Madhava Krishna

List of Publications by Year in descending order

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Version: 2024-02-01

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#	ARTICLE	IF	CITATIONS
1	Solving Chance-Constrained Optimization Under Nonparametric Uncertainty Through Hilbert Space Embedding. IEEE Transactions on Control Systems Technology, 2022, 30, 901-916.	5.2	6
2	Multi-Modal Model Predictive Control Through Batch Non-Holonomic Trajectory Optimization: Application to Highway Driving. IEEE Robotics and Automation Letters, 2022, 7, 4220-4227.	5.1	13
3	CCO-VOXEL: Chance Constrained Optimization over Uncertain Voxel-Grid Representation for Safe Trajectory Planning. , 2022, , .		3
4	Design and Simulation of a Flexible Three-Module Pipe Climber. , 2021, , .		1
5	Non Holonomic Collision Avoidance under Non-Parametric Uncertainty: A Hilbert Space Approach. , 2021, , .		0
6	RTVS: A Lightweight Differentiable MPC Framework for Real-Time Visual Servoing. , 2021, , .		3
7	RoRD: Rotation-Robust Descriptors and Orthographic Views for Local Feature Matching. , 2021, , .		6
8	Bi-Convex Approximation of Non-Holonomic Trajectory Optimization. , 2020, , .		6
9	Reactive Navigation Under Non-Parametric Uncertainty Through Hilbert Space Embedding of Probabilistic Velocity Obstacles. IEEE Robotics and Automation Letters, 2020, 5, 2690-2697.	5.1	17
10	Towards Accurate Vehicle Behaviour Classification With Multi-Relational Graph Convolutional Networks. , 2020, , .		12
11	Understanding Dynamic Scenes using Graph Convolution Networks. , 2020, , .		14
12	IVO. , 2019, , .		3
13	Modular Pipe Climber. , 2019, , .		4
14	Constructing Category-Specific Models for Monocular Object-SLAM. , 2018, , .		32
15	Beyond Pixels: Leveraging Geometry and Shape Cues for Online Multi-Object Tracking. , 2018, , .		111
16	Learning to Prevent Monocular SLAM Failure using Reinforcement Learning. , 2018, , .		3
17	PRVO: Probabilistic Reciprocal Velocity Obstacle for multi robot navigation under uncertainty. , 2017, , .		37
18	Using In-frame Shear Constraints for Monocular Motion Segmentation of Rigid Bodies. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 237-255.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Linear-chain CRF based intersection recognition. , 2014, , .		2
20	Semantic Motion Segmentation Using Dense CRF Formulation. , 2014, , .		15
21	CRF Based Frontier Detection using Monocular Camera. , 2014, , .		1
22	Top Down Approach to Detect Multiple Planes from Pair of Images. , 2014, , .		1
23	Robot application development framework based on database. , 2009, , .		0
24	PERSON FOLLOWING WITH A MOBILE ROBOT USING A MODIFIED OPTICAL FLOW. , 2008, , .		6
25	Localizing from Multi-Hypotheses States Minimizing Expected Path Lengths for Mobile Robots. , 2008, , .		0
26	Fast Joint Multi-Robot Trajectory Optimization by GPU Accelerated Batch Solution of Distributed Sub-Problems. Frontiers in Robotics and AI, 0, 9, .	3.2	3