

John M Dolan

List of Publications by Year in descending order

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38
papers

1,408
citations

1684188

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2053705

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38
all docs

38
docs citations

38
times ranked

1099
citing authors

#	ARTICLE	IF	CITATIONS
1	Safe and Resilient Practical Waypoint-Following for Autonomous Vehicles. , 2022, 6, 1574-1579.		2
2	Speed Planning in Dynamic Environments over a Fixed Path for Autonomous Vehicles. , 2022, , .		8
3	L-Shape Fitting-Based Vehicle Pose Estimation and Tracking Using 3D-LiDAR. IEEE Transactions on Intelligent Vehicles, 2021, 6, 787-798.	12.7	27
4	Linear Inverse Problem for Depth Completion with RGB Image and Sparse LIDAR Fusion. , 2021, , .		3
5	Learning to Robustly Negotiate Bi-Directional Lane Usage in High-Conflict Driving Scenarios. , 2021, , .		2
6	Behavior Planning at Urban Intersections through Hierarchical Reinforcement Learning. , 2021, , .		7
7	Autonomous Vehicle Motion Planning via Recurrent Spline Optimization. , 2021, , .		6
8	Probabilistic Safety-Assured Adaptive Merging Control for Autonomous Vehicles. , 2021, , .		15
9	CARLA Simulated Data for Rare Road Object Detection. , 2021, , .		3
10	Self-Calibration of Multiple LiDARs for Autonomous Vehicles. , 2021, , .		2
11	Jerk-Minimized CILQR for Human-Like Driving on Two-Lane Roadway. , 2021, , .		2
12	DLT-Net: Joint Detection of Drivable Areas, Lane Lines, and Traffic Objects. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4670-4679.	8.0	84
13	FG-GMM-based Interactive Behavior Estimation for Autonomous Driving Vehicles in Ramp Merging Control. , 2020, , .		7
14	Measuring Similarity of Interactive Driving Behaviors Using Matrix Profile. , 2020, , .		3
15	Learning Highway Ramp Merging Via Reinforcement Learning with Temporally-Extended Actions. , 2020, , .		24
16	Interactive Trajectory Prediction for Autonomous Driving via Recurrent Meta Induction Neural Network. , 2019, , .		9
17	Attention-Based Hierarchical Deep Reinforcement Learning for Lane Change Behaviors in Autonomous Driving. , 2019, , .		22
18	Multiagent Sensor Fusion for Connected & Autonomous Vehicles to Enhance Navigation Safety. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Attention-based Hierarchical Deep Reinforcement Learning for Lane Change Behaviors in Autonomous Driving. , 2019, , .		16
20	Road-Segmentation-Based Curb Detection Method for Self-Driving via a 3D-LiDAR Sensor. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3981-3991.	8.0	105
21	Camera-Based Semantic Enhanced Vehicle Segmentation for Planar LIDAR. , 2018, , .		6
22	Automatically Generated Curriculum based Reinforcement Learning for Autonomous Vehicles in Urban Environment. , 2018, , .		37
23	Efficient L-shape fitting for vehicle detection using laser scanners. , 2017, , .		78
24	Intention estimation for ramp merging control in autonomous driving. , 2017, , .		64
25	Interactive ramp merging planning in autonomous driving: Multi-merging leading PGM (MML-PGM). , 2017, , .		15
26	Learning-Based Algal Bloom Event Recognition for Oceanographic Decision Support System Using Remote Sensing Data. Remote Sensing, 2015, 7, 13564-13585.	4.0	23
27	Context-aware tracking of moving objects for distance keeping. , 2015, , .		7
28	Toward human-like motion planning in urban environments. , 2014, , .		33
29	Online Verification of Automated Road Vehicles Using Reachability Analysis. IEEE Transactions on Robotics, 2014, 30, 903-918.	10.3	282
30	Towards a viable autonomous driving research platform. , 2013, , .		166
31	Learning-based event response for marine robotics. , 2013, , .		2
32	Reachability computation of low-order models for the safety verification of high-order road vehicle models. , 2012, , .		27
33	A real-time motion planner with trajectory optimization for autonomous vehicles. , 2012, , .		57
34	Motion planning for autonomous driving with a conformal spatiotemporal lattice. , 2011, , .		239
35	Toward adaptation and reuse of advanced robotic software. , 2011, , .		1
36	Reliability impact on planetary robotic missions. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
37	The Telesupervised Adaptive Ocean Sensor Fleet Architecture. , 2008, , .		2
38	Operation of Robotic Science Boats Using the Telesupervised Adaptive Ocean Sensor Fleet System. , 2008, , .		13