

Zhong Cao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

291
citations

1162889

8
h-index

1281743

11
g-index

17
all docs

17
docs citations

17
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent and connected vehicles: Current status and future perspectives. Science China Technological Sciences, 2018, 61, 1446-1471.	2.0	114
2	Highway Exiting Planner for Automated Vehicles Using Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 990-1000.	4.7	30
3	Confidence-Aware Reinforcement Learning for Self-Driving Cars. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7419-7430.	4.7	26
4	Trustworthy safety improvement for autonomous driving using reinforcement learning. Transportation Research Part C: Emerging Technologies, 2022, 138, 103656.	3.9	18
5	A geometry-driven car-following distance estimation algorithm robust to road slopes. Transportation Research Part C: Emerging Technologies, 2019, 102, 274-288.	3.9	17
6	System and Experiments of Model-Driven Motion Planning and Control for Autonomous Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5975-5988.	5.9	16
7	3D Scene Reconstruction with Sparse LiDAR Data and Monocular Image in Single Frame. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2017, 11, 48-56.	0.3	15
8	Lane-level route planning based on a multi-layer map model. , 2017, , .		10
9	Driving Space for Autonomous Vehicles. Automotive Innovation, 2019, 2, 241-253.	3.1	10
10	LiDAR-based Object Detection Failure Tolerated Autonomous Driving Planning System. , 2021, , .		8
11	Integrating Deep Reinforcement Learning with Optimal Trajectory Planner for Automated Driving. , 2020, , .		8
12	CLAP: Cloud-and-Learning-compatible Autonomous driving Platform. , 2020, , .		5
13	Autonomous Driving Policy Continual Learning With One-Shot Disengagement Case. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1380-1391.	9.4	5
14	Monocular Connected-Vehicle Position Estimation on Sloping and Uneven Roads. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 228-241.	2.6	4
15	A General Autonomous Driving Planner Adaptive to Scenario Characteristics. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21228-21240.	4.7	4
16	Decision-Oriented Driving Scenario Recognition Based on Unsupervised Learning. , 2021, , .		1
17	Adapt the Driving Policy to Local Traffic before Entering the New Area. , 2021, , .		0