

Yiwen Huang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

132
citations

1478505

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1720034

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12
all docs

12
docs citations

12
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Control of Autonomous Ground Vehicles Using Control-Dependent Barrier Functions. IEEE Transactions on Intelligent Vehicles, 2021, 6, 699-710.	12.7	25
2	Vehicle Lateral Stability Control Based on Shiftable Stability Regions and Dynamic Margins. IEEE Transactions on Vehicular Technology, 2020, 69, 14727-14738.	6.3	23
3	Estimation and analysis of vehicle lateral stability region. , 2017, , .		17
4	Impact of solvent selection and temperature on porosity and resistance of printed self-reducing silver inks. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2751-2758.	1.8	16
5	Stability Regions of Vehicle Lateral Dynamics: Estimation and Analysis. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	1.6	11
6	Estimation and Analysis of Vehicle Lateral Stability Region With Both Front and Rear Wheel Steering. , 2017, , .		10
7	Guaranteed Vehicle Safety Control Using Control-Dependent Barrier Functions. , 2019, , .		9
8	Development and Performance Enhancement of An Over-Actuated Autonomous Ground Vehicle. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	5.8	9
9	Trajectory Planning of Autonomous Trucks for Collision Avoidance With Rollover Prevention. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8930-8939.	8.0	8
10	Lateral Stability Control of Autonomous Ground Vehicles Considering Stability Margins and State Estimation Errors. , 2018, , .		2
11	Stability Region based Vehicle Lateral Control Using Non-Overshooting MPC. , 2019, , .		1
12	Safety-Guaranteed Driving Control of Automated Vehicles via Integrated CLFs and CDBFs. IFAC-PapersOnLine, 2021, 54, 153-159.	0.9	1