Lulu

List of Publications by Year
in descending order

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33	626	516710	610901
papers	citations	16 h-index	24 g-index

33	33	33	370
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predictive Cruise Control Using High-Definition Map and Real Vehicle Implementation. IEEE Transactions on Vehicular Technology, 2018, 67, 11377-11389.	6.3	65
2	Detection and Identification of Cyber and Physical Attacks on Distribution Power Grids With PVs: An Online High-Dimensional Data-Driven Approach. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1282-1291.	5.4	48
3	A Review of Cyberâ€“Physical Security for Photovoltaic Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4879-4901.	5.4	47
4	On-line Optimal Control of the Gearshift Command for Multispeed Electric Vehicles. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1519-1530.	5.8	44
5	Online Distributed IoT Security Monitoring With Multidimensional Streaming Big Data. IEEE Internet of Things Journal, 2020, 7, 4387-4394.	8.7	41
6	Systematic Assessment of Cyber-Physical Security of Energy Management System for Connected and Automated Electric Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 3335-3347.	11.3	36
7	Cyberâ€“Physical Security of Powertrain Systems in Modern Electric Vehicles: Vulnerabilities, Challenges, and Future Visions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4639-4657.	5.4	32
8	Adaptive Decision-Making for Automated Vehicles Under Roundabout Scenarios Using Optimization Embedded Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5526-5538.	11.3	31
9	Vulnerability Assessments of Electric Drive Systems Due to Sensor Data Integrity Attacks. IEEE Transactions on Industrial Informatics, 2020, 16, 3301-3310.	11.3	30
10	Deterministic Promotion Reinforcement Learning Applied to Longitudinal Velocity Control for Automated Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 338-348.	6.3	28
11	Design and Experimental Verification of Real-Time Nonlinear Predictive Controller for Improving the Stability of Production Vehicles. IEEE Transactions on Control Systems Technology, 2021, 29, 2206-2213.	5.2	22
12	Self-Learning Optimal Cruise Control Based on Individual Car-Following Style. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6622-6633.	8.0	21
13	Optimal car-following control for intelligent vehicles using online road-slope approximation method. Science China Information Sciences, 2021, 64, 1.	4.3	20
14	Hierarchical Energy-Efficient Control for CAVs at Multiple Signalized Intersections Considering Queue Effects. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11643-11653.	8.0	19
15	Cyber-Physical Security of Electric Vehicles With Four Motor Drives. IEEE Transactions on Power Electronics, 2021, 36, 4463-4477.	7.9	18
16	Cyberattack Detection for Electric Vehicles Using Physics-Guided Machine Learning. IEEE Transactions on Transportation Electrification, 2021, 7, 2010-2022.	7.8	18
17	Cyberâ€“Physical Security of Energy-Efficient Powertrain System in Hybrid Electric Vehicles Against Sophisticated Cyberattacks. IEEE Transactions on Transportation Electrification, 2021, 7, 636-648.	7.8	17
18	Impact Analysis of Data Integrity Attacks on Power Electronics and Electric Drives. , 2019, , .		14

#	Article	IF	Citations
19	Cyber-physical security framework for Photovoltaic Farms. , 2020, , .		11
20	A Novel Trajectory Planning Method for Automated Vehicles Under Parameter Decision Framework. IEEE Access, 2019, 7, 88264-88274.	4.2	9
21	Data-Driven Cyber-Attack Detection for PV Farms via Time-Frequency Domain Features. IEEE Transactions on Smart Grid, 2022, 13, 1582-1597.	9.0	9
22	Coordinate Receding Horizon Control for the Power-Shift Process of Multispeed Electric Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 1055-1059.	6.3	8
23	Attack-Resilient Lateral Stability Control for Four-Wheel-Driven EVs Considering Changed Driver Behavior Under Cyber Threats. IEEE Transactions on Transportation Electrification, 2022, 8, 1362-1375.	7.8	8
24	Energy-efficient longitudinal driving strategy for intelligent vehicles on urban roads. Science China Information Sciences, 2019, 62, 1.	4.3	6
25	Optimal control methods in intelligent vehicles. Journal of Control and Decision, 2017, 4, 32-56.	1.6	5
26	Attack-Resilient Lateral Stability Control for Autonomous In-Wheel-Motor-Driven Electric Vehicles. , 2021, , .		4
27	Fast Detection for Cyber Threats in Electric Vehicle Traction Motor Drives. IEEE Transactions on Transportation Electrification, 2022, 8, 767-777.	7.8	3
28	Detection and Diagnosis of Long-Term Cyber-Attacks for Predictive Energy Management System in HEVs. , 2021, , .		3
29	Model-based Cyber-attack Detection for Voltage Source Converters in Island Microgrids. , 2021, , .		3
30	Physics-Based Attack Detection for Traction Motor Drives in Electric Vehicles Using Random Forest. , 2021, , .		2
31	Predictive Energy Management for Dual-Motor BEVs Considering Temperature-Dependent Traction Inverter Loss. IEEE Transactions on Transportation Electrification, 2022, 8, 1501-1515.	7.8	2
32	Hardware-in-the-Loop Testbed for Cyber-Physical Security of Photovoltaic Farms. , 2021, , .		1
33	Real-time energy-efficient anticipative driving control of connected and automated hybrid electric vehicles. Control Theory and Technology, 2022, 20, 210-220.	1.6	1