

Chengliang Yin

List of Publications by Year in descending order

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40
papers

568
citations

687363

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41
all docs

41
docs citations

41
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Analysis of an Electrical Variable Transmission for a Series-Parallel Hybrid Electric Vehicle. IEEE Transactions on Vehicular Technology, 2011, 60, 2354-2363.	6.3	65
2	A Novel Soft-Switching Bidirectional DC-DC Converter With Coupled Inductors. IEEE Transactions on Industry Applications, 2013, 49, 2730-2740.	4.9	60
3	An Improved Soft-Switching Buck Converter With Coupled Inductor. IEEE Transactions on Power Electronics, 2013, 28, 4885-4891.	7.9	52
4	A Soft-Switching Bidirectional DC-DC Converter for the Battery Super-Capacitor Hybrid Energy Storage System. IEEE Transactions on Industrial Electronics, 2018, 65, 7856-7865.	7.9	41
5	Model parameter estimation approach based on incremental analysis for lithium-ion batteries without using open circuit voltage. Journal of Power Sources, 2015, 287, 108-118.	7.8	36
6	Analysis and Research of a Soft-Switching Bidirectional DC-DC Converter Without Auxiliary Switches. IEEE Transactions on Industrial Electronics, 2018, 65, 1196-1204.	7.9	36
7	Host-Target Vehicle Model-Based Lateral State Estimation for Preceding Target Vehicles Considering Measurement Delay. IEEE Transactions on Industrial Informatics, 2018, 14, 4190-4199.	11.3	28
8	Active-charging based powertrain control in series hybrid electric vehicles for efficiency improvement and battery lifetime extension. Journal of Power Sources, 2014, 245, 292-300.	7.8	25
9	A Soft-Switching Non-Inverting Buck-Boost Converter With Efficiency and Performance Improvement. IEEE Transactions on Power Electronics, 2019, 34, 11526-11530.	7.9	23
10	Multiple Vehicle Tracking Based on Labeled Multiple Bernoulli Filter Using Pre-Clustered Laser Range Finder Data. IEEE Transactions on Vehicular Technology, 2019, 68, 10382-10393.	6.3	20
11	A Family of Coupled-Inductor-Based Soft-Switching DC-DC Converter With Double Synchronous Rectification. IEEE Transactions on Industrial Electronics, 2019, 66, 6936-6946.	7.9	19
12	A Zero Voltage Switching Topology for Non-Inverting Buck-Boost Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1557-1561.	3.0	17
13	Interactive Trajectory Prediction Using a Driving Risk Map-Integrated Deep Learning Method for Surrounding Vehicles on Highways. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19076-19087.	8.0	16
14	Trajectory Prediction of Preceding Target Vehicles Based on Lane Crossing and Final Points Generation Model Considering Driving Styles. IEEE Transactions on Vehicular Technology, 2021, 70, 8720-8730.	6.3	12
15	Optimal Design and Control of a Two-Speed Planetary Gear Automatic Transmission for Electric Vehicle. Applied Sciences (Switzerland), 2020, 10, 6612.	2.5	10
16	Intertarget Occlusion Handling in Multiextended Target Tracking Based on Labeled Multi-Bernoulli Filter Using Laser Range Finder. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1719-1728.	5.8	10
17	PTV Longitudinal-Lateral State Estimation Considering Unknown Control Inputs and Uncertain Model Parameters. IEEE Transactions on Vehicular Technology, 2021, 70, 4366-4376.	6.3	10
18	Consensus-Based Platoon Forming for Connected Autonomous Vehicles. IFAC-PapersOnLine, 2018, 51, 801-806.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Modeling and Stability Analysis of Wedge Clutch System. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.	1.1	8
20	Distributed multilane merging for connected autonomous vehicle platooning. <i>Science China Information Sciences</i> , 2021, 64, 1.	4.3	8
21	Fixed-boundary-layer Sliding-mode and Variable Switching Frequency Control for a Bidirectional DC-DC Converter in Hybrid Energy Storage System. <i>Electric Power Components and Systems</i> , 2017, 45, 1474-1485.	1.8	7
22	A Hybrid Lateral Dynamics Model Combining Data-driven and Physical Models for Vehicle Control Applications. <i>IFAC-PapersOnLine</i> , 2021, 54, 617-623.	0.9	7
23	Sub-full Model-Based Heterogeneous Sensor Fusion for Lateral State Estimation of Preceding Target Vehicles. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1335-1345.	5.8	6
24	A Soft-Switching Synchronous Rectification Noninverting Buck-Boost Converter With a New Auxiliary Circuit. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7931-7937.	7.9	6
25	Optimal Speed Regulation Control of the Hybrid Dual Clutch Transmission Shift Process. <i>World Electric Vehicle Journal</i> , 2020, 11, 11.	3.0	5
26	Modeling and experimental validation of lever-based electromechanical actuator for dry clutches. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401771519.	1.6	4
27	Lateral State Estimation of Preceding Target Vehicle Based on Multiple Neural Network Ensemble. , 2019, , .		4
28	Atransient dynamic model for HEV engine and its implementation for fuzzy-PID governor. , 0, , .		3
29	A control method to improve the efficiency of a soft-switching non-isolated bidirectional DC-DC converter for hybrid and plug-in electric vehicle applications. <i>International Journal of Power Electronics</i> , 2014, 6, 66.	0.2	3
30	A ZVS Bidirectional Inverting Buck-Boost Converter Using Coupled Inductors. <i>Electronics (Switzerland)</i> , 2018, 7, 221.	3.1	3
31	Short-Term Lateral Behavior Reasoning for Target Vehicles Considering Driver Preview Characteristic. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 11801-11810.	8.0	3
32	Curvilinear Multilane Merging and Platooning With Bounded Control in Curved Road Coordinates. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 1237-1252.	6.3	3
33	Modeling and simulation study of a novel electromechanical clutch actuation system. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401772040.	1.6	2
34	A Deep Learning-based Approach to Line Crossing Prediction for Lane Change Maneuver of Adjacent Target Vehicles. , 2021, , .		2
35	Estimation of probabilistic processes in wireless networks of 802.11 standard. <i>Mã-krosistemi, Elektronã-ka Ta Akustika</i> , 2017, 22, 47-53.	0.1	2
36	Simulation Testing Scenario Generation for Comfort Evaluation of Automated Vehicles. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	Speed Regulation Control for an Integrated Motor-Transmission System under External Disturbances. World Electric Vehicle Journal, 2020, 11, 53.	3.0	1
38	A virtual simulation system of TDI line scan camera. , 2008, , .		0
39	MRA based speed and rotor position estimation strategy for the SPMSM. , 2017, , .		0
40	Sampling Rate Selection for Trajectory Tracking Control of Autonomous Vehicles. , 2019, , .		0