

Junqiang Xi

List of Publications by Year in descending order

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53
papers

1,889
citations

304743

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docs citations

54
times ranked

1693
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal Learning of Multivehicle Interaction Patterns in Lane-Change Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6446-6459.	8.0	15
2	Leveraging Human Driving Preferences to Predict Vehicle Speed. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11137-11147.	8.0	7
3	Model Predictive Longitudinal Motion Control for the Unmanned Ground Vehicle With a Trajectory Tracking Model. IEEE Transactions on Vehicular Technology, 2022, 71, 1397-1410.	6.3	14
4	Model-Based Embedded Road Grade Estimation Using Quaternion Unscented Kalman Filter. IEEE Transactions on Vehicular Technology, 2022, 71, 3704-3714.	6.3	5
5	Experimental and numerical validation of a proportional solenoid valve based on the data-driven model. Transactions of the Institute of Measurement and Control, 2021, 43, 2912-2920.	1.7	1
6	Time Delay Characteristics Analysis of Pressure Dynamic Response on Electro-hydraulic Pressure Regulating valve. , 2021, , .		1
7	Numerical and Experimental Investigation of Temperature Distribution for Dry-Clutches. Machines, 2021, 9, 185.	2.2	8
8	Incorporated vehicle lateral control strategy for stability and enhanced energy saving in distributed drive hybrid bus. Applied Soft Computing Journal, 2021, 111, 107617.	7.2	6
9	Self-Adaptive Equivalent Consumption Minimization Strategy for Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 189-202.	6.3	20
10	A Probabilistic Approach to Measuring Driving Behavior Similarity With Driving Primitives. IEEE Transactions on Intelligent Vehicles, 2020, 5, 127-138.	12.7	18
11	Energy Management Strategies for Hybrid Electric Vehicles: Review, Classification, Comparison, and Outlook. Energies, 2020, 13, 3352.	3.1	96
12	Decision-making in driver-automation shared control: A review and perspectives. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1289-1307.	13.1	64
13	Importance Weighted Gaussian Process Regression for Transferable Driver Behaviour Learning in the Lane Change Scenario. IEEE Transactions on Vehicular Technology, 2020, 69, 12497-12509.	6.3	27
14	Mixed-Integer Optimal Design and Energy Management of Hybrid Electric Vehicles With Automated Manual Transmissions. IEEE Transactions on Vehicular Technology, 2020, 69, 12705-12715.	6.3	18
15	A Quaternion Unscented Kalman Filter for Road Grade Estimation. , 2020, , .		5
16	A Learning-Based Personalized Driver Model Using Bounded Generalized Gaussian Mixture Models. IEEE Transactions on Vehicular Technology, 2019, 68, 11679-11690.	6.3	22
17	A Time-Efficient Approach for Decision-Making Style Recognition in Lane-Changing Behavior. IEEE Transactions on Human-Machine Systems, 2019, 49, 579-588.	3.5	12
18	Energy Management of Hybrid Electric Vehicle Using Vehicle Lateral Dynamic in Velocity Prediction. IEEE Transactions on Vehicular Technology, 2019, 68, 3279-3293.	6.3	65

#	ARTICLE	IF	CITATIONS
19	Statistical-based approach for driving style recognition using Bayesian probability with kernel density estimation. IET Intelligent Transport Systems, 2019, 13, 22-30.	3.0	47
20	Short-term Vehicle Speed Prediction Based on Convolutional Bidirectional LSTM Networks. , 2019, , .		15
21	Driver Drowsiness Detection through a Vehicle's Active Probe Action. , 2019, , .		2
22	Energy Management for Unmanned Tracked Vehicles Based on Global Path. , 2019, , .		2
23	Driving Style Analysis Using Primitive Driving Patterns With Bayesian Nonparametric Approaches. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2986-2998.	8.0	92
24	Learning and Inferring a Driver's Braking Action in Car-Following Scenarios. IEEE Transactions on Vehicular Technology, 2018, 67, 3887-3899.	6.3	71
25	Learning Driver-Specific Behavior for Overtaking: A Combined Learning Framework. IEEE Transactions on Vehicular Technology, 2018, 67, 6788-6802.	6.3	45
26	A Real-Time Energy Management Strategy Based on Energy Prediction for Parallel Hybrid Electric Vehicles. IEEE Access, 2018, 6, 70313-70323.	4.2	25
27	A Learning-Based Approach for Lane Departure Warning Systems With a Personalized Driver Model. IEEE Transactions on Vehicular Technology, 2018, 67, 9145-9157.	6.3	88
28	Driving-Style-Oriented Adaptive Equivalent Consumption Minimization Strategies for HEVs. IEEE Transactions on Vehicular Technology, 2018, 67, 9249-9261.	6.3	46
29	Driving Style Classification Using a Semisupervised Support Vector Machine. IEEE Transactions on Human-Machine Systems, 2017, 47, 650-660.	3.5	176
30	Development and evaluation of two learning-based personalized driver models for car-following behaviors. , 2017, , .		15
31	Real-Time Energy Management Strategy Based on Velocity Forecasts Using V2V and V2I Communications. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 416-430.	8.0	199
32	Estimation of vehicle mass and road slope based on steady-state Kalman filter. , 2017, , .		11
33	Optimization of Shift Schedule for Hybrid Electric Vehicle with Automated Manual Transmission. Energies, 2016, 9, 220.	3.1	22
34	A Supervisory Control Algorithm of Hybrid Electric Vehicle Based on Adaptive Equivalent Consumption Minimization Strategy with Fuzzy PI. Energies, 2016, 9, 919.	3.1	34
35	Special Issue on "Recent Developments on Modeling and Control of Hybrid Electric Vehicles". Asian Journal of Control, 2016, 18, 1-2.	3.0	67
36	An adaptive equivalent consumption minimization strategy for parallel hybrid electric vehicle based on Fuzzy PI. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
37	A rapid pattern-recognition method for driving styles using clustering-based support vector machines. , 2016, , .		44
38	Human-Centered Feed-Forward Control of a Vehicle Steering System Based on a Driver's Path-Following Characteristics. IEEE Transactions on Intelligent Transportation Systems, 2016, , 1-14.	8.0	46
39	The indirect measurement technology of shift comfort for automatic mechanical transmission. , 2015, , .		0
40	Robust speed synchronization control for clutchless automated manual transmission systems in electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 424-436.	1.9	55
41	Human-centered feed-forward control of a vehicle steering system based on a driver's steering model. , 2015, , .		7
42	Modeling and Recognizing Driver Behavior Based on Driving Data: A Survey. Mathematical Problems in Engineering, 2014, 2014, 1-20.	1.1	81
43	Research on Conflict Decision between Shift Schedule and Multienergy Management for PHEV with Automatic Mechanical Transmission under Special Driving Cycles. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	3
44	Research on Shifting Control Method of Positive Independent Mechanical Split Path Transmission for the Starting Gear. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	0
45	Research on control strategy of automatic clutch during vehicle launching. , 2012, , .		1
46	Research on shift schedule of hybrid bus based on dynamic programming algorithm. , 2012, , .		4
47	Detection and Tracking of Moving Objects at Intersections Using a Network of Laser Scanners. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 655-670.	8.0	44
48	Self-supervised learning to visually detect terrain surfaces for autonomous robots operating in forested terrain. Journal of Field Robotics, 2012, 29, 277-297.	6.0	66
49	The study of shift strategy for pure electric bus without synchronizer. , 2011, , .		6
50	The Study of PHEV Shift Strategy Based on AMT Without Synchronizer. , 2011, , .		1
51	Development of pneumatically automatic mechanical transmission for a pure electric garbage truck. , 2010, , .		5
52	Optimal design and simulation evaluation of economical gear-shifting schedule for AMT in pure electronic bus. , 2010, , .		4
53	A novel lane detection based on geometrical model and Gabor filter. , 2010, , .		150