

# Shengbo Eben Li

## List of Publications by Year in descending order

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181  
papers

11,982  
citations

28274

55  
h-index

30087

103  
g-index

183  
all docs

183  
docs citations

183  
times ranked

6819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Platoon Control of Connected Vehicles from a Networked Control Perspective: Literature Review, Component Modeling, and Controller Synthesis. IEEE Transactions on Vehicular Technology, 2024, , 1-1.	6.3	43
2	Model-Based Chance-Constrained Reinforcement Learning via Separated Proportional-Integral Lagrangian. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 466-478.	11.3	6
3	Integrated Decision and Control: Toward Interpretable and Computationally Efficient Driving Intelligence. IEEE Transactions on Cybernetics, 2023, 53, 859-873.	9.5	17
4	Interpretable End-to-End Urban Autonomous Driving With Latent Deep Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5068-5078.	8.0	77
5	Distributional Soft Actor-Critic: Off-Policy Reinforcement Learning for Addressing Value Estimation Errors. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6584-6598.	11.3	55
6	Adaptive dynamic programming for nonaffine nonlinear optimal control problem with state constraints. Neurocomputing, 2022, 484, 128-141.	5.9	33
7	Decision making of autonomous vehicles in lane change scenarios: Deep reinforcement learning approaches with risk awareness. Transportation Research Part C: Emerging Technologies, 2022, 134, 103452.	7.6	97
8	Fixed-Dimensional and Permutation Invariant State Representation of Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9518-9528.	8.0	2
9	Sensitivity of Electrodermal Activity Features for Driver Arousal Measurement in Cognitive Load: The Application in Automated Driving Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14954-14967.	8.0	10
10	Exploring Behavioral Patterns of Lane Change Maneuvers for Human-Like Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14322-14335.	8.0	9
11	Fuel Economy Optimization for Platooning Vehicle Swarms via Distributed Economic Model Predictive Control. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2711-2723.	5.2	15
12	Indirect Shared Control Through Non-Zero Sum Differential Game for Cooperative Automated Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15980-15992.	8.0	14
13	Recurrent Model Predictive Control: Learning an Explicit Recurrent Controller for Nonlinear Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 10437-10446.	7.9	3
14	Real-time energy optimization of HEVs under-connected environment: a benchmark problem and receding horizon-based solution. Control Theory and Technology, 2022, 20, 145-160.	1.6	7
15	Accelerated convergence of time-splitting algorithm by relaxation method. IET Control Theory and Applications, 2022, 16, 776-788.	2.1	1
16	Learning-based supervisory control of dual mode engine-based hybrid electric vehicle with reliance on multivariate trip information. Energy Conversion and Management, 2022, 257, 115450.	9.2	16
17	Integrated decision and control at multi-lane intersections with mixed traffic flow. Journal of Physics: Conference Series, 2022, 2234, 012015.	0.4	3
18	Multisource Adaption for Driver Attention Prediction in Arbitrary Driving Scenes. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20912-20925.	8.0	4

#	ARTICLE	IF	CITATIONS
19	Applications of Distributional Soft Actor-Critic in Real-world Autonomous Driving. , 2022, , .		0
20	Indirect Shared Control for Cooperative Driving Between Driver and Automation in Steer-by-Wire Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7826-7836.	8.0	37
21	Enable faster and smoother spatio-temporal trajectory planning for autonomous vehicles in constrained dynamic environment. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 1101-1112.	1.9	24
22	Cooperative Control of Heterogeneous Connected Vehicles with Directed Acyclic Interactions. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 127-141.	3.8	47
23	Eco-Driving Operation of Connected Vehicle With V2I Communication Among Multiple Signalized Intersections. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 107-119.	3.8	26
24	A framework for rapid on-board deterministic estimation of occupant injury risk in motor vehicle crashes with quantitative uncertainty evaluation. Science China Technological Sciences, 2021, 64, 521-534.	4.0	4
25	Safety envelope of pedestrians upon motor vehicle conflicts identified via active avoidance behaviour. Scientific Reports, 2021, 11, 3996.	3.3	15
26	Real-time coordination of connected vehicles at intersections using graphical mixed integer optimization. IET Intelligent Transport Systems, 2021, 15, 795-807.	3.0	16
27	Feasibility Enhancement of Constrained Receding Horizon Control Using Generalized Control Barrier Function. , 2021, , .		6
28	Direct and indirect reinforcement learning. International Journal of Intelligent Systems, 2021, 36, 4439-4467.	5.7	9
29	End-to-End Autonomous Driving Through Dueling Double Deep Q-Network. Automotive Innovation, 2021, 4, 328-337.	5.1	31
30	Cover: International Journal of Intelligent Systems, Volume 36 Issue 8 August 2021. International Journal of Intelligent Systems, 2021, 36, i.	5.7	0
31	Behavioral Harmonization of a Cyclic Vehicular Platoon in a Closed Road Network. IEEE Transactions on Intelligent Vehicles, 2021, 6, 559-570.	12.7	20
32	Belief state separated reinforcement learning for autonomous vehicle decision making under uncertainty. , 2021, , .		2
33	Learn collision-free self-driving skills at urban intersections with model-based reinforcement learning. , 2021, , .		4
34	Separated Proportional-Integral Lagrangian for Chance Constrained Reinforcement Learning. , 2021, , .		7
35	Reinforced Optimal Estimator. IFAC-PapersOnLine, 2021, 54, 366-373.	0.9	1
36	Model-Based Actor-Critic with Chance Constraint for Stochastic System. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
37	Optimal Periodic Control of Connected Multiple Vehicles With Heterogeneous Dynamics and Guaranteed Bounded Stability. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 110-124.	3.8	6
38	Distributed Sliding Mode Control for Nonlinear Heterogeneous Platoon Systems With Positive Definite Topologies. IEEE Transactions on Control Systems Technology, 2020, 28, 1272-1283.	5.2	67
39	Interactive Trajectory Prediction of Surrounding Road Users for Autonomous Driving Using Structural-LSTM Network. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4615-4625.	8.0	76
40	Cooperation of Multiple Connected Vehicles at Unsignalized Intersections: Distributed Observation, Optimization, and Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10744-10754.	7.9	79
41	Centralized Cooperation for Connected and Automated Vehicles at Intersections by Proximal Policy Optimization. IEEE Transactions on Vehicular Technology, 2020, 69, 12597-12608.	6.3	66
42	Synchronous and asynchronous parallel computation for large-scale optimal control of connected vehicles. Transportation Research Part C: Emerging Technologies, 2020, 121, 102842.	7.6	15
43	Hierarchical quantitative analysis to evaluate unsafe driving behaviour from massive trajectory data. IET Intelligent Transport Systems, 2020, 14, 849-856.	3.0	7
44	Distributed model predictive control of multi-vehicle systems with switching communication topologies. Transportation Research Part C: Emerging Technologies, 2020, 118, 102717.	7.6	51
45	Analysis of Motion Sickness Associated Brain Activity Using fNIRS: A Driving Simulator Study. IEEE Access, 2020, 8, 207415-207425.	4.2	11
46	Hierarchical reinforcement learning for self-driving decision-making without reliance on labelled driving data. IET Intelligent Transport Systems, 2020, 14, 297-305.	3.0	107
47	Self-learning drift control of automated vehicles beyond handling limit after rear-end collision. Transportation Safety and Environment, 2020, 2, 97-105.	2.1	15
48	A Stability-Based Clustering Scheme for Vehicular Networks. , 2020, , .		4
49	Robust Distributed Consensus Control of Uncertain Multiagents Interacted by Eigenvalue-Bounded Topologies. IEEE Internet of Things Journal, 2020, 7, 3790-3798.	8.7	35
50	A survey of powertrain configuration studies on hybrid electric vehicles. Applied Energy, 2020, 262, 114553.	10.1	135
51	Predictive lateral control to stabilise highly automated vehicles at tire-road friction limits. Vehicle System Dynamics, 2020, 58, 768-786.	3.7	49
52	A Survey on Cooperative Longitudinal Motion Control of Multiple Connected and Automated Vehicles. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 4-24.	3.8	189
53	Stability of General Linear Dynamic Multi-Agent Systems under Switching Topologies with Positive Real Eigenvalues. Engineering, 2020, 6, 688-694.	6.7	7
54	Safe Reinforcement Learning for Autonomous Vehicles through Parallel Constrained Policy Optimization. , 2020, , .		23

#	ARTICLE	IF	CITATIONS
55	Mixed Reinforcement Learning for Efficient Policy Optimization in Stochastic Environments. , 2020, , .		4
56	Improving Generalization of Reinforcement Learning with Minimax Distributional Soft Actor-Critic. , 2020, , .		10
57	Accelerated Convergence of Time-Splitting Algorithm for MPC using Cross-Node Consensus. , 2020, , .		5
58	Continuous-time finite-horizon ADP for automated vehicle controller design with high efficiency. , 2020, , .		9
59	Cooperative Method of Traffic Signal Optimization and Speed Control of Connected Vehicles at Isolated Intersections. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1390-1403.	8.0	162
60	Detection of road traffic participants using cost-effective arrayed ultrasonic sensors in low-speed traffic situations. Mechanical Systems and Signal Processing, 2019, 132, 535-545.	8.0	42
61	Pedestrian Trajectory Prediction with Learning-based Approaches: A Comparative Study. , 2019, , .		12
62	String stability for vehicular platoon control: Definitions and analysis methods. Annual Reviews in Control, 2019, 47, 81-97.	7.9	316
63	Reducing time headway for platooning of connected vehicles via V2V communication. Transportation Research Part C: Emerging Technologies, 2019, 102, 87-105.	7.6	163
64	Accelerated Inverse Reinforcement Learning with Randomly Pre-sampled Policies for Autonomous Driving Reward Design. , 2019, , .		11
65	From Software-Defined Vehicles to Self-Driving Vehicles: A Report on CPSS-Based Parallel Driving. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 6-14.	3.8	20
66	Synthesis of Robust Lane Keeping Systems: Impact of Controller and Design Parameters on System Performance. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3129-3141.	8.0	25
67	Distributed Platoon Control Under Topologies With Complex Eigenvalues: Stability Analysis and Controller Synthesis. IEEE Transactions on Control Systems Technology, 2019, 27, 206-220.	5.2	91
68	Impact of Communication Erasure Channels on Control Performance of Connected and Automated Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 29-43.	6.3	12
69	Robust cooperation of connected vehicle systems with eigenvalue-bounded interaction topologies in the presence of uncertain dynamics. Frontiers of Mechanical Engineering, 2018, 13, 354-367.	4.3	16
70	Distributed Adaptive Sliding Mode Control of Vehicular Platoon With Uncertain Interaction Topology. IEEE Transactions on Industrial Electronics, 2018, 65, 6352-6361.	7.9	127
71	Distributed Bayesian Filter Using Measurement Dissemination for Multiple Unmanned Ground Vehicles With Dynamically Changing Interaction Topologies. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	6
72	Kalman filter-based tracking of moving objects using linear ultrasonic sensor array for road vehicles. Mechanical Systems and Signal Processing, 2018, 98, 173-189.	8.0	116

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73	Robust Longitudinal Control of Multi-Vehicle Systemsâ€”A Distributed H-Infinity Method. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2779-2788.	8.0	99
74	Data-driven hierarchical control for online energy management of plug-in hybrid electric city bus. Energy, 2018, 142, 55-67.	8.8	55
75	Platooning of Connected Vehicles With Undirected Topologies: Robustness Analysis and Distributed H-infinity Controller Synthesis. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1353-1364.	8.0	143
76	Parallel Optimal Control for Cooperative Automation of Large-scale Connected Vehicles via ADMM. , 2018, , .		18
77	Continuous Decision Making for On-road Autonomous Driving under Uncertain and Interactive Environments. , 2018, , .		15
78	Reducing Time Headway for Platoons of Connected Vehicles via Multiple-Predecessor Following. , 2018, , .		12
79	Intention-aware Long Horizon Trajectory Prediction of Surrounding Vehicles using Dual LSTM Networks. , 2018, , .		102
80	Markov probabilistic decision making of self-driving cars in highway with random traffic flow: a simulation study. Journal of Intelligent and Connected Vehicles, 2018, 1, 77-84.	7.4	23
81	Understanding Driver Response Patterns to Mental Workload Increase in Typical Driving Scenarios. IEEE Access, 2018, 6, 35890-35900.	4.2	26
82	Drift control for cornering maneuver of autonomous vehicles. Mechatronics, 2018, 54, 167-174.	3.3	41
83	Distributed conflict-free cooperation for multiple connected vehicles at unsignalized intersections. Transportation Research Part C: Emerging Technologies, 2018, 93, 322-334.	7.6	149
84	Minimize the Fuel Consumption of Connected Vehicles Between Two Red-Signalized Intersections in Urban Traffic. IEEE Transactions on Vehicular Technology, 2018, 67, 9060-9072.	6.3	47
85	Fuel-Saving Servo-Loop Control for an Adaptive Cruise Control System of Road Vehicles With Step-Gear Transmission. IEEE Transactions on Vehicular Technology, 2017, 66, 2033-2043.	6.3	47
86	State-of-Charge Estimation for Lithium-Ion Batteries Based on a Nonlinear Fractional Model. IEEE Transactions on Control Systems Technology, 2017, 25, 3-11.	5.2	121
87	Robustness Analysis and Controller Synthesis of Homogeneous Vehicular Platoons With Bounded Parameter Uncertainty. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1014-1025.	5.8	83
88	Measurement Dissemination-Based Distributed Bayesian Filter Using the Latest-In-and-Full-Out Exchange Protocol for Networked Unmanned Vehicles. IEEE Transactions on Industrial Electronics, 2017, 64, 8756-8766.	7.9	12
89	Electro-hydraulic damper for energy harvesting suspension: Modeling, prototyping and experimental validation. Applied Energy, 2017, 199, 1-12.	10.1	82
90	Reinforcement Learning Optimized Look-Ahead Energy Management of a Parallel Hybrid Electric Vehicle. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1497-1507.	5.8	300

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91	Stabilizing Periodic Control of Automated Vehicle Platoon With Minimized Fuel Consumption. IEEE Transactions on Transportation Electrification, 2017, 3, 259-271.	7.8	66
92	Driver braking behavior analysis to improve autonomous emergency braking systems in typical Chinese vehicle-bicycle conflicts. Accident Analysis and Prevention, 2017, 108, 74-82.	5.7	47
93	Dynamical Modeling and Distributed Control of Connected and Automated Vehicles: Challenges and Opportunities. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 46-58.	3.8	270
94	Driver-automation indirect shared control of highly automated vehicles with intention-aware authority transition. , 2017, , .		34
95	Performance Enhanced Predictive Control for Adaptive Cruise Control System Considering Road Elevation Information. IEEE Transactions on Intelligent Vehicles, 2017, 2, 150-160.	12.7	63
96	Control of large model mismatch systems using multiple models. International Journal of Control, Automation and Systems, 2017, 15, 1494-1506.	2.7	9
97	Decoupled robust control of vehicular platoon with identical controller and rigid information flow. International Journal of Automotive Technology, 2017, 18, 157-164.	1.4	19
98	Distributed Model Predictive Control for Heterogeneous Vehicle Platoons Under Unidirectional Topologies. IEEE Transactions on Control Systems Technology, 2017, 25, 899-910.	5.2	383
99	Instantaneous Feedback Control for a Fuel-Prioritized Vehicle Cruising System on Highways With a Varying Slope. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1210-1220.	8.0	45
100	Estimation of driving style in naturalistic highway traffic using maneuver transition probabilities. Transportation Research Part C: Emerging Technologies, 2017, 74, 113-125.	7.6	173
101	Distributed Bayesian filters for multi-vehicle network by using Latest-In-and-Full-Out exchange protocol of measurements. , 2017, , .		1
102	Online Detection of Driver Fatigue Using Steering Wheel Angles for Real Driving Conditions. Sensors, 2017, 17, 495.	3.8	127
103	Robust Accelerating Control for Consistent Node Dynamics in a Platoon of CAVs. , 2016, , .		0
104	Vehicle-to-Infrastructure Communication Based Eco-Driving Operation at Multiple Signalized Intersections. , 2016, , .		4
105	Distributed target localization using a group of UGVs under dynamically changing interaction topologies. , 2016, , .		3
106	Distributed sliding mode control for multi-vehicle systems with positive definite topologies. , 2016, , .		40
107	Advanced Machine Learning Approach for Lithium-Ion Battery State Estimation in Electric Vehicles. IEEE Transactions on Transportation Electrification, 2016, 2, 140-149.	7.8	261
108	Estimation of vehicle sideslip angle and tire-road friction coefficient based on magnetometer with GPS. International Journal of Automotive Technology, 2016, 17, 427-435.	1.4	55

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109	Pseudospectral Optimal Control of Constrained Nonlinear Systems. , 2016, , 145-164.		2
110	Detection of driver cognitive distraction: An SVM based real-time algorithm and its comparison study in typical driving scenarios. , 2016, , .		17
111	Automotive Air Conditioning. , 2016, , .		9
112	Robust control of heterogeneous vehicular platoon with uncertain dynamics and communication delay. IET Intelligent Transport Systems, 2016, 10, 503-513.	3.0	169
113	Cruising Control of Hybridized Powertrain for Minimized Fuel Consumption. , 2016, , 267-289.		0
114	Dynamical tracking of surrounding objects for road vehicles using linearly-arrayed ultrasonic sensors. , 2016, , .		11
115	Economical launching and accelerating control strategy for a single-shaft parallel hybrid electric bus. Mechanical Systems and Signal Processing, 2016, 76-77, 649-664.	8.0	39
116	Detection of Driver Cognitive Distraction: A Comparison Study of Stop-Controlled Intersection and Speed-Limited Highway. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1628-1637.	8.0	92
117	Fuel-Saving Cruising Strategies for Parallel HEVs. IEEE Transactions on Vehicular Technology, 2016, 65, 4676-4686.	6.3	55
118	Multiple-Model Switching Control of Vehicle Longitudinal Dynamics for Platoon-Level Automation. IEEE Transactions on Vehicular Technology, 2016, 65, 4480-4492.	6.3	93
119	Design of Multimode Power-Split Hybrid Vehiclesâ€”A Case Study on the Voltec Powertrain System. IEEE Transactions on Vehicular Technology, 2016, 65, 4790-4801.	6.3	63
120	Efficient and accurate computation of model predictive control using pseudospectral discretization. Neurocomputing, 2016, 177, 363-372.	5.9	14
121	Stability Margin Improvement of Vehicular Platoon Considering Undirected Topology and Asymmetric Control. IEEE Transactions on Control Systems Technology, 2016, 24, 1253-1265.	5.2	185
122	State-space model with non-integer order derivatives for lithium-ion battery. Applied Energy, 2016, 161, 330-336.	10.1	77
123	Stability and Scalability of Homogeneous Vehicular Platoon: Study on the Influence of Information Flow Topologies. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 14-26.	8.0	510
124	Trustworthy Foundation for CAVs in an Uncertain World: From Wireless Networking, Sensing, and Control to Software-Defined Infrastructure. Lecture Notes in Mobility, 2016, , 211-223.	0.2	0
125	Driving Maneuvers Analysis Using Naturalistic Highway Driving Data. , 2015, , .		6
126	Mechanism of vehicular periodic operation for optimal fuel economy in freeâ€”driving scenarios. IET Intelligent Transport Systems, 2015, 9, 306-313.	3.0	29



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127	Effect of Pulse and Glide Strategy on Traffic Flow for a Platoon of Mixed Automated and Manually Driven Vehicles. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 892-905.	9.8	69
128	Performance enhancement of supervisory control for largely mismatched processes. , 2015, , .		0
129	Model Predictive Control-Based Probabilistic Search Method for Autonomous Ground Robot in a Dynamic Environment. , 2015, , .		4
130	Optimization Based Trajectory Planning of Parallel Parking with Multiple Constraints. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2015, 8, 413-418.	0.3	4
131	Coordinated Adaptive Cruise Control System With Lane-Change Assistance. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2373-2383.	8.0	91
132	Fractional-order modeling and parameter identification for lithium-ion batteries. Journal of Power Sources, 2015, 293, 151-161.	7.8	174
133	The impact of driver cognitive distraction on vehicle performance at stop-controlled intersections. , 2015, , .		6
134	Eco-Departure of Connected Vehicles With V2X Communication at Signalized Intersections. IEEE Transactions on Vehicular Technology, 2015, 64, 5439-5449.	6.3	107
135	Scalability limitation of homogeneous vehicular platoon under undirected information flow topology and constant spacing policy. , 2015, , .		9
136	An overview of vehicular platoon control under the four-component framework. , 2015, , .		151
137	Efficient Exhaustive Search of Power-Split Hybrid Powertrains With Multiple Planetary Gears and Clutches. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	76
138	Fuel-Optimal Cruising Strategy for Road Vehicles With Step-Gear Mechanical Transmission. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3496-3507.	8.0	65
139	Synthesis of multiple-order switching controllers using  overflow= scroll xmlns:xocs= http://www.elsevier.com/xml/xocs/dtd xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd"	5.9	20
140	Field operational test of advanced driver assistance systems in typical Chinese road conditions: The influence of driver gender, age and aggression. International Journal of Automotive Technology, 2015, 16, 739-750.	1.4	66
141	Fast Online Computation of a Model Predictive Controller and Its Application to Fuel Economy-Oriented Adaptive Cruise Control. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1199-1209.	8.0	99
142	Longitudinal collision mitigation via coordinated braking of multiple vehicles using model predictive control. Integrated Computer-Aided Engineering, 2015, 22, 171-185.	4.6	80
143	Simplification of pseudo two dimensional battery model using dynamic profile of lithium concentration. Journal of Power Sources, 2015, 286, 510-525.	7.8	47
144	Design and control of a passive magnetic levitation carrier system. International Journal of Precision Engineering and Manufacturing, 2015, 16, 693-700.	2.2	14

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145	Control of a heterogeneous vehicular platoon with uniform communication delay. , 2015, , .		7
146	A Unified Pseudospectral Computational Framework for Optimal Control of Road Vehicles. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1499-1510.	5.8	42
147	Lane change maneuver recognition via vehicle state and driver operation signals &#x2014; Results from naturalistic driving data. , 2015, , .		28
148	Terminal sliding mode control of automated car-following system without reliance on longitudinal acceleration information. Mechatronics, 2015, 30, 327-337.	3.3	41
149	Combined State of Charge and State of Health estimation over lithium-ion battery cell cycle lifespan for electric vehicles. Journal of Power Sources, 2015, 273, 793-803.	7.8	528
150	Optimization and Analysis of Economical Accelerating Strategy for CVT Vehicles. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 110.	0.5	1
151	Influence of information flow topology on closed-loop stability of vehicle platoon with rigid formation. , 2014, , .		83
152	Multiple-Vehicle Longitudinal Collision Mitigation by Coordinated Brake Control. Mathematical Problems in Engineering, 2014, 2014, 1-13.	1.1	12
153	An electrochemistry-based impedance model for lithium-ion batteries. Journal of Power Sources, 2014, 258, 9-18.	7.8	140
154	Enhanced sample entropy-based health management of Li-ion battery for electrified vehicles. Energy, 2014, 64, 953-960.	8.8	151
155	Periodicity based cruising control of passenger cars for optimized fuel consumption. , 2014, , .		13
156	Legendre pseudospectral computation of optimal speed profiles for vehicle eco-driving system. , 2014, , .		14
157	Automated Modeling and Mode Screening for Exhaustive Search of Double-Planetary-Gear Power Split Hybrid Powertrains. , 2014, , .		23
158	Recent Advances in Nonsingular Terminal Sliding Mode Control Method. Lecture Notes in Control and Information Sciences, 2014, , 79-97.	1.0	3
159	Effectiveness of Flashing Brake and Hazard Systems in Avoiding Rear-End Crashes. Advances in Mechanical Engineering, 2014, 6, 792670.	1.6	19
160	Charging time and loss optimization for LiNMC and LiFePO4 batteries based on equivalent circuit models. Journal of Power Sources, 2013, 239, 449-457.	7.8	127
161	Economy-oriented vehicle adaptive cruise control with coordinating multiple objectives function. Vehicle System Dynamics, 2013, 51, 1-17.	3.7	100
162	NARX modelling of a lithium iron phosphate battery used for electrified vehicle simulation. International Journal of Modelling, Identification and Control, 2013, 20, 181.	0.2	10

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163	Scale reduction based efficient model predictive control and its application in vehicle following control. , 2013, , .		0
164	Strategies to minimize the fuel consumption of passenger cars during car-following scenarios. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2012, 226, 419-429.	1.9	79
165	Robustness analysis of State-of-Charge estimation methods for two types of Li-ion batteries. Journal of Power Sources, 2012, 217, 209-219.	7.8	163
166	A comparative study of equivalent circuit models for Li-ion batteries. Journal of Power Sources, 2012, 198, 359-367.	7.8	1,500
167	Minimum Fuel Control Strategy in Automated Car-Following Scenarios. IEEE Transactions on Vehicular Technology, 2012, 61, 998-1007.	6.3	125
168	Model Predictive Multi-Objective Vehicular Adaptive Cruise Control. IEEE Transactions on Control Systems Technology, 2011, 19, 556-566.	5.2	479
169	Strategies to minimize fuel consumption of passenger cars during car-following scenarios. , 2011, , .		24
170	Modeling and verification of heavy-duty truck drivers' car-following characteristics. International Journal of Automotive Technology, 2010, 11, 81-87.	1.4	22
171	Driving simulation platform applied to develop driving assistance systems. IET Intelligent Transport Systems, 2010, 4, 121.	3.0	14
172	Pneumatic electronic braking assistance system using high-speed valves. , 2010, , .		3
173	Multi-objective coordinated control for advanced adaptive cruise control system. , 2009, , .		14
174	Study on robustness and feasibility of MPC based vehicular Adaptive Cruise Control system. , 2009, , .		4
175	A Novel Longitudinal Speed Estimator for Fully Automation Ground Vehicle on Cornering Maneuver. , 2009, , .		1
176	A driving simulation platform applied to develop Driver Assistance Systems. , 2009, , .		2
177	Double-Mode vehicular Electronic Throttle for driver assistance systems. , 2009, , .		2
178	MPC based vehicular following control considering both fuel economy and tracking capability. , 2008, , .		5
179	Effects of Human Adaptation and Trust on Shared Control for Driver-Automation Cooperative Driving. , 0, , .		19
180	Fuel Economy Analysis of Periodic Cruise Control Strategies for Power-Split HEVs at Medium and Low Speed. , 0, , .		0

#	ARTICLE	IF	CITATIONS
181	Beyond backpropagate through time: Efficient model-based training through time-splitting. International Journal of Intelligent Systems, 0, , .	5.7	0