

Chen Lv

List of Publications by Year in descending order

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170
papers

6,497
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66250

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175
all docs

175
docs citations

175
times ranked

4130
citing authors

#	ARTICLE	IF	CITATIONS
1	Prioritized Experience-Based Reinforcement Learning With Human Guidance for Autonomous Driving. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 855-869.	7.2	24
2	Efficient Deep Reinforcement Learning With Imitative Expert Priors for Autonomous Driving. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7391-7403.	7.2	37
3	Driver Anomaly Quantification for Intelligent Vehicles: A Contrastive Learning Approach With Representation Clustering. IEEE Transactions on Intelligent Vehicles, 2023, 8, 37-47.	9.4	36
4	Robust Lane Change Decision Making for Autonomous Vehicles: An Observation Adversarial Reinforcement Learning Approach. IEEE Transactions on Intelligent Vehicles, 2023, 8, 184-193.	9.4	52
5	Uncertainty-Aware Model-Based Reinforcement Learning: Methodology and Application in Autonomous Driving. IEEE Transactions on Intelligent Vehicles, 2023, 8, 194-203.	9.4	30
6	Cooperative Decision Making of Connected Automated Vehicles at Multi-Lane Merging Zone: A Coalitional Game Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3829-3841.	4.7	51
7	Hybrid-Learning-Based Driver Steering Intention Prediction Using Neuromuscular Dynamics. IEEE Transactions on Industrial Electronics, 2022, 69, 1750-1761.	5.2	15
8	Human-Machine Cooperative Trajectory Planning and Tracking for Safe Automated Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12050-12063.	4.7	14
9	Data-Driven Estimation of Driver Attention Using Calibration-Free Eye Gaze and Scene Features. IEEE Transactions on Industrial Electronics, 2022, 69, 1800-1808.	5.2	45
10	Human-Machine Adaptive Shared Control for Safe Driving Under Automation Degradation. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 53-66.	2.6	23
11	Learning Spatio-Temporal Representations With a Dual-Stream 3-D Residual Network for Non-driving Activity Recognition. IEEE Transactions on Industrial Electronics, 2022, 69, 7405-7414.	5.2	3
12	A Structure Constraint Matrix Factorization Framework for Human Behavior Segmentation. IEEE Transactions on Cybernetics, 2022, 52, 12978-12988.	6.2	16
13	A Secure Sensor Fusion Framework for Connected and Automated Vehicles Under Sensor Attacks. IEEE Internet of Things Journal, 2022, 9, 22357-22365.	5.5	18
14	On Joint Reconstruction of State and Input-Output Injection Attacks for Nonlinear Systems. , 2022, 6, 554-559.		2
15	Detection and Isolation of Sensor Attacks for Autonomous Vehicles: Framework, Algorithms, and Validation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8247-8259.	4.7	19
16	Driving Behavior Modeling Using Naturalistic Human Driving Data With Inverse Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10239-10251.	4.7	57
17	Risk Assessment and Mitigation in Local Path Planning for Autonomous Vehicles With LSTM Based Predictive Model. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2738-2749.	3.4	28
18	An Integrated Scheme for Coefficient Estimation of Tire-Road Friction With Mass Parameter Mismatch Under Complex Driving Scenarios. IEEE Transactions on Industrial Electronics, 2022, 69, 13337-13347.	5.2	14

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19	Human-Like Interactive Behavior Generation for Autonomous Vehicles: A Bayesian Game-Theoretic Approach with Turing Test. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	12
20	Multi-Agent Trajectory Prediction With Heterogeneous Edge-Enhanced Graph Attention Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 9554-9567.	4.7	73
21	Toward Human-Centered Automated Driving: A Novel Spatiotemporal Vision Transformer-Enabled Head Tracker. <i>IEEE Vehicular Technology Magazine</i> , 2022, 17, 57-64.	2.8	31
22	An Integrated Decision-Making Framework for Highway Autonomous Driving Using Combined Learning and Rule-Based Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3621-3632.	3.9	9
23	Instance-Level Knowledge Transfer for Data-Driven Driver Model Adaptation With Homogeneous Domains. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 17015-17026.	4.7	8
24	Advanced Sensing and Control for Connected and Automated Vehicles. <i>Sensors</i> , 2022, 22, 1538.	2.1	1
25	The Identification of Non-Driving Activities with Associated Implication on the Take-Over Process. <i>Sensors</i> , 2022, 22, 42.	2.1	5
26	Human-Machine Telecollaboration Accelerates the Safe Deployment of Large-Scale Autonomous Robots During the COVID-19 Pandemic. <i>Frontiers in Robotics and AI</i> , 2022, 9, 853828.	2.0	4
27	RHONN Modelling-Enabled Nonlinear Predictive Control for Lateral Dynamics Stabilization of an In-Wheel Motor Driven Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 8296-8308.	3.9	13
28	Future Directions of Intelligent Vehicles: Potentials, Possibilities, and Perspectives. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022, 7, 7-10.	9.4	123
29	Adaptive conflict resolution for multi-UAV 4D routes optimization using stochastic fractal search algorithm. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 139, 103666.	3.9	11
30	Conflict resolution for connected automated vehicles at unsignalized roundabouts considering personalized driving behaviours. , 2022, 1, 100003.		6
31	Driving Conflict Resolution of Autonomous Vehicles at Unsignalized Intersections: A Differential Game Approach. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 5136-5146.	3.7	21
32	Nonlinear Predictive Motion Control for Autonomous Mobile Robots Considering Active Fault-Tolerant Control and Regenerative Braking. <i>Sensors</i> , 2022, 22, 3939.	2.1	7
33	Multi-modal Motion Prediction with Transformer-based Neural Network for Autonomous Driving. , 2022, , .		40
34	Multi-Modal Sensor Fusion-Based Deep Neural Network for End-to-End Autonomous Driving With Scene Understanding. <i>IEEE Sensors Journal</i> , 2021, 21, 11781-11790.	2.4	66
35	Collision-Probability-Aware Human-Machine Cooperative Planning for Safe Automated Driving. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 9752-9763.	3.9	23
36	Real-Time Optimization of Energy Management Strategy for Fuel Cell Vehicles Using Inflated 3D Inception Long Short-Term Memory Network-Based Speed Prediction. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 1190-1199.	3.9	25

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37	Human-Machine Collaboration for Automated Driving Using an Intelligent Two-Phase Haptic Interface. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000229.	3.3	25
38	Human-Like Decision Making for Autonomous Driving: A Noncooperative Game Theoretic Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 2076-2087.	4.7	127
39	Toward Safe and Personalized Autonomous Driving: Decision-Making and Motion Control With DPF and CDT Techniques. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 611-620.	3.7	39
40	Decision Making of Connected Automated Vehicles at an Unsignalized Roundabout Considering Personalized Driving Behaviours. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 4051-4064.	3.9	37
41	Deep convolutional neural network-based Bernoulli heatmap for head pose estimation. <i>Neurocomputing</i> , 2021, 436, 198-209.	3.5	28
42	Personalized Trajectory Planning and Control of Lane-Change Maneuvers for Autonomous Driving. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 5511-5523.	3.9	48
43	Guest Editorial: Focused Section on Mechatronics in Road Mobility Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 1195-1200.	3.7	1
44	Human-Machine Shared Driving Control for Semi-Autonomous Vehicles Using Level of Cooperativeness. <i>Sensors</i> , 2021, 21, 4647.	2.1	15
45	Guest Editorial Advanced Sensing and Sensor Fusion for Intelligent Transportation Systems. <i>IEEE Sensors Journal</i> , 2021, 21, 15425-15426.	2.4	5
46	Toward human-vehicle collaboration: Review and perspectives on human-centered collaborative automated driving. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103199.	3.9	60
47	Toward Safe and Smart Mobility: Energy-Aware Deep Learning for Driving Behavior Analysis and Prediction of Connected Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4267-4280.	4.7	40
48	Cyber-Attack Detection for Autonomous Driving Using Vehicle Dynamic State Estimation. <i>Automotive Innovation</i> , 2021, 4, 262-273.	3.1	13
49	Game Theoretic Modeling and Decision Making for Connected Vehicle Interactions at Urban Intersections. , 2021, , .		3
50	Digital Twin-enabled Reinforcement Learning for End-to-end Autonomous Driving. , 2021, , .		5
51	Improved Short-Term Speed Prediction Using Spatiotemporal-Vision-Based Deep Neural Network for Intelligent Fuel Cell Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6004-6013.	7.2	34
52	Multi-scale driver behavior modeling based on deep spatial-temporal representation for intelligent vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 130, 103288.	3.9	21
53	Secure Estimation and Attack Isolation for Connected and Automated Driving in the Presence of Malicious Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 8519-8528.	3.9	7
54	A sensorless state estimation for a safety-oriented cyber-physical system in urban driving: Deep learning approach. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 169-178.	8.5	35

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55	Cooperative Decision Making of Lane-change for Automated Vehicles Considering Human-like Driving Characteristics. , 2021, , .		8
56	Graph and Recurrent Neural Network-based Vehicle Trajectory Prediction For Highway Driving. , 2021, , .		27
57	Adaptive distributed finite-time fault-tolerant controller for cooperative braking of the vehicle platoon. IET Intelligent Transport Systems, 2021, 15, 1562-1581.	1.7	9
58	Distributed Training for Multi-Layer Neural Networks by Consensus. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1771-1778.	7.2	24
59	Personalized Vehicle Trajectory Prediction Based on Joint Time-Series Modeling for Connected Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 1341-1352.	3.9	122
60	Dynamic State Estimation for the Advanced Brake System of Electric Vehicles by Using Deep Recurrent Neural Networks. IEEE Transactions on Industrial Electronics, 2020, 67, 9536-9547.	5.2	67
61	LiDAR-Based Multi-Task Road Perception Network for Autonomous Vehicles. IEEE Access, 2020, 8, 86753-86764.	2.6	17
62	Pattern Recognition and Characterization of Upper Limb Neuromuscular Dynamics during Driver-Vehicle Interactions. IScience, 2020, 23, 101541.	1.9	9
63	An ensemble deep learning approach for driver lane change intention inference. Transportation Research Part C: Emerging Technologies, 2020, 115, 102615.	3.9	115
64	Ethical Decision-Making Platform in Autonomous Vehicles With Lexicographic Optimization Based Model Predictive Controller. IEEE Transactions on Vehicular Technology, 2020, 69, 8164-8175.	3.9	44
65	Intelligent energy management strategy of hybrid energy storage system for electric vehicle based on driving pattern recognition. Energy, 2020, 198, 117298.	4.5	103
66	Energy oriented driving behavior analysis and personalized prediction of vehicle states with joint time series modeling. Applied Energy, 2020, 261, 114471.	5.1	55
67	Cyber-Physical Vehicle Systems: Methodology and Applications. Synthesis Lectures on Advances in Automotive Technology, 2020, 4, 1-85.	0.2	1
68	Road Perception in Driver Intention Inference System. , 2020, , 53-75.		1
69	Application of Deep Learning Methods in Driver Behavior Recognition. , 2020, , 135-156.		2
70	An Improved Kinematic Model Predictive Control for High-Speed Path Tracking of Autonomous Vehicles. IEEE Access, 2020, 8, 51400-51413.	2.6	57
71	Design of Integrated Road Perception and Lane Detection System for Driver Intention Inference. , 2020, , 77-98.		1
72	Driver Behavior Recognition in Driver Intention Inference Systems. , 2020, , 99-134.		3

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73	Longitudinal Driver Intention Inference. , 2020, , 157-191.		3
74	Driver Lane-Change Intention Inference. , 2020, , 193-233.		0
75	Reference-free approach for mitigating human-machine conflicts in shared control of automated vehicles. IET Control Theory and Applications, 2020, 14, 2752-2763.	1.2	18
76	Cooperative Path Planning for Heterogeneous Unmanned Vehicles in a Search-and-Track Mission Aiming at an Underwater Target. IEEE Transactions on Vehicular Technology, 2020, 69, 6782-6787.	3.9	95
77	An Integrated Framework of Decision Making and Motion Planning for Autonomous Vehicles Considering Social Behaviors. IEEE Transactions on Vehicular Technology, 2020, 69, 14458-14469.	3.9	86
78	Human-Like Lane-Change Decision Making for Automated Driving with a Game Theoretic Approach. , 2020, , .		6
79	A Two-Stage Learning Framework for Driver Lane Change Intention Inference. IFAC-PapersOnLine, 2020, 53, 638-643.	0.5	7
80	LMI-based Nonlinear State Observer for Vehicle Motion Tracking in Lane Change Manoeuvre. , 2020, , .		0
81	Human-Machine Shared Control for Semi-Autonomous Vehicles Using Level of Cooperativeness. , 2020, , .		4
82	Multi-Scale Driver Behaviors Reasoning System for Intelligent Vehicles Based on a Joint Deep Learning Framework. , 2020, , .		4
83	Continuous Driver Steering Intention Prediction Considering Neuromuscular Dynamics and Driving Postures. , 2020, , .		1
84	Reference-Free Human-Automation Shared Control for Obstacle Avoidance of Automated Vehicles. , 2020, , .		3
85	Driver-Automation Collaboration for Automated Vehicles: A Review of Human-Centered Shared Control. , 2020, , .		11
86	Interaction-Aware Trajectory Prediction of Connected Vehicles using CNN-LSTM Networks. , 2020, , .		39
87	Driving-Style-Based Codesign Optimization of an Automated Electric Vehicle: A Cyber-Physical System Approach. IEEE Transactions on Industrial Electronics, 2019, 66, 2965-2975.	5.2	195
88	Shared Steering Torque Control for Lane Change Assistance: A Stochastic Game-Theoretic Approach. IEEE Transactions on Industrial Electronics, 2019, 66, 3093-3105.	5.2	94
89	A Review of Estimation for Vehicle Tire-Road Interactions Toward Automated Driving. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 14-30.	5.9	58
90	A Novel Predictive Haptic Control Interface for Automation-to-Human Takeover of Automated Vehicles. , 2019, , .		5

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91	A Personalized Behavior Learning System for Human-Like Longitudinal Speed Control of Autonomous Vehicles. <i>Sensors</i> , 2019, 19, 3672.	2.1	28
92	Secure Pose Estimation for Autonomous Vehicles under Cyber Attacks. , 2019, , .		20
93	Modeling and energy management of a photovoltaicâ€fuel cellâ€battery hybrid electric vehicle. <i>Energy Storage</i> , 2019, 1, e61.	2.3	18
94	Driving-Cycle-Aware Energy Management of Hybrid Electric Vehicles Using a Three-Dimensional Markov Chain Model. <i>Automotive Innovation</i> , 2019, 2, 146-156.	3.1	29
95	Driver Lane Change Intention Inference for Intelligent Vehicles: Framework, Survey, and Challenges. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 4377-4390.	3.9	166
96	Driver Activity Recognition for Intelligent Vehicles: A Deep Learning Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 5379-5390.	3.9	238
97	Feedback Game-Based Shared Control Scheme Design for Emergency Collision Avoidance: A Fuzzy-Linear Quadratic Regulator Approach. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019, 141, .	0.9	23
98	Occlusion-Free Road Segmentation Leveraging Semantics for Autonomous Vehicles. <i>Sensors</i> , 2019, 19, 4711.	2.1	9
99	Dynamic integration and online evaluation of visionâ€based lane detection algorithms. <i>IET Intelligent Transport Systems</i> , 2019, 13, 55-62.	1.7	26
100	Optimal Energy Management and Sizing of a Dual Motor-Driven Electric Powertrain. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 7489-7501.	5.4	76
101	Emergency steering control of autonomous vehicle for collision avoidance and stabilisation. <i>Vehicle System Dynamics</i> , 2019, 57, 1163-1187.	2.2	109
102	How to Define the Passengerâ€™s Hazard Perception Level by Combining Subjective and Objective Measures?. <i>Lecture Notes in Computer Science</i> , 2019, , 40-53.	1.0	0
103	Identification and Analysis of Driver Postures for In-Vehicle Driving Activities and Secondary Tasks Recognition. <i>IEEE Transactions on Computational Social Systems</i> , 2018, 5, 95-108.	3.2	109
104	Analysis of autopilot disengagements occurring during autonomous vehicle testing. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018, 5, 58-68.	8.5	99
105	Vehicle dynamic state estimation: state of the art schemes and perspectives. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018, 5, 418-431.	8.5	116
106	Simultaneous Observation of Hybrid States for Cyber-Physical Systems: A Case Study of Electric Vehicle Powertrain. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 2357-2367.	6.2	93
107	Retrieving Common Discretionary Lane Changing Characteristics From Trajectories. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 2014-2024.	3.9	19
108	Energy Management of Hybrid Electric Vehicles. , 2018, , 159-206.		8

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109	Brake-Blending Control of EVs. , 2018, , 275-308.		5
110	Adaptive-neural-network-based robust lateral motion control for autonomous vehicle at driving limits. Control Engineering Practice, 2018, 76, 41-53.	3.2	178
111	Advances in Vision-Based Lane Detection: Algorithms, Integration, Assessment, and Perspectives on ACP-Based Parallel Vision. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 645-661.	8.5	126
112	Learning Driver-Specific Behavior for Overtaking: A Combined Learning Framework. IEEE Transactions on Vehicular Technology, 2018, 67, 6788-6802.	3.9	45
113	Characterization of Driver Neuromuscular Dynamics for Human-Automation Collaboration Design of Automated Vehicles. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2558-2567.	3.7	60
114	Levenberg-Marquardt Backpropagation Training of Multilayer Neural Networks for State Estimation of a Safety-Critical Cyber-Physical System. IEEE Transactions on Industrial Informatics, 2018, 14, 3436-3446.	7.2	251
115	Dual-envelop-oriented moving horizon path tracking control for fully automated vehicles. Mechatronics, 2018, 50, 422-433.	2.0	81
116	Estimation of Road Adhesion Coefficient Based on Tire Aligning Torque Distribution. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	27
117	Driver workload estimation using a novel hybrid method of error reduction ratio causality and support vector machine. Measurement: Journal of the International Measurement Confederation, 2018, 114, 390-397.	2.5	41
118	An innovative information fusion method with adaptive Kalman filter for integrated INS/GPS navigation of autonomous vehicles. Mechanical Systems and Signal Processing, 2018, 100, 605-616.	4.4	207
119	A Study on Objective Evaluation of Vehicle Steering Comfort Based on Driver's Electromyogram and Movement Trajectory. IEEE Transactions on Human-Machine Systems, 2018, 48, 41-49.	2.5	29
120	A vehicle stability control strategy with adaptive neural network sliding mode theory based on system uncertainty approximation. Vehicle System Dynamics, 2018, 56, 923-946.	2.2	54
121	Intelligent Synthesis of Driving Cycle for Advanced Design and Control of Powertrains. , 2018, , .		10
122	Estimation of Driver's Attention Level Based on Correlation Analysis of Movements. , 2018, , .		0
123	A Novel Control Framework of Haptic Take-Over System for Automated Vehicles. , 2018, , .		16
124	Guest Editorial Focused Section on Mechatronics in Cyber-Physical Systems. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2533-2536.	3.7	2
125	Driving-Style-Oriented Multi-Objective Optimal Control of an Electric Vehicle. IFAC-PapersOnLine, 2018, 51, 274-278.	0.5	2
126	End-to-End Driving Activities and Secondary Tasks Recognition Using Deep Convolutional Neural Network and Transfer Learning. , 2018, , .		23

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127	Guest Editorial Special Section on Cyber-Physical Systems in Green Transportation. IEEE Transactions on Industrial Informatics, 2018, 14, 4124-4127.	7.2	2
128	High-Precision Modulation of a Safety-Critical Cyber-Physical System: Control Synthesis and Experimental Validation. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2599-2608.	3.7	14
129	Hybrid-Learning-Based Classification and Quantitative Inference of Driver Braking Intensity of an Electrified Vehicle. IEEE Transactions on Vehicular Technology, 2018, , 1-1.	3.9	58
130	Interactive Control Paradigm-Based Robust Lateral Stability Controller Design for Autonomous Automobile Path Tracking With Uncertain Disturbance: A Dynamic Game Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 6906-6920.	3.9	71
131	Hazard-evaluation-oriented moving horizon parallel steering control for driver-automation collaboration during automated driving. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 1062-1073.	8.5	40
132	Time-varying delays compensation algorithm for powertrain active damping of an electrified vehicle equipped with an axle motor during regenerative braking. Mechanical Systems and Signal Processing, 2017, 87, 45-63.	4.4	25
133	Intelligent Control Circuit Integral with Pattern Recognition Techniques for High-Pressure Sodium Lamps. Journal of Circuits, Systems and Computers, 2017, 26, 1750108.	1.0	0
134	High-Precision Hydraulic Pressure Control Based on Linear Pressure-Drop Modulation in Valve Critical Equilibrium State. IEEE Transactions on Industrial Electronics, 2017, 64, 7984-7993.	5.2	113
135	MPC-based power management strategy for a series hybrid electric tracked bulldozer. , 2017, , .		2
136	Coordinated control of the steering system and the distributed motors for comprehensive optimization of the dynamics performance and the energy consumption of an electric vehicle. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 1605-1626.	1.1	12
137	Multi-point turn decision making framework for human-like automated driving. , 2017, , .		9
138	Characterisation of driver neuromuscular dynamics for haptic take-over system design for automated vehicles. , 2017, , .		2
139	An Orientation Sensor-Based Head Tracking System for Driver Behaviour Monitoring. Sensors, 2017, 17, 2692.	2.1	24
140	Directional-stability-aware brake blending control synthesis for over-actuated electric vehicles during straight-line deceleration. Mechatronics, 2016, 38, 121-131.	2.0	29
141	New compact EHBS, increasing regenerative efficiency at low vehicle speed. , 2015, , .		1
142	Mode-switching-based active control of a powertrain system with non-linear backlash and flexibility for an electric vehicle during regenerative deceleration. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 1429-1442.	1.1	51
143	Mechanism analysis and evaluation methodology of regenerative braking contribution to energy efficiency improvement of electrified vehicles. Energy Conversion and Management, 2015, 92, 469-482.	4.4	195
144	Research on control strategy of electric-hydraulic hybrid anti-lock braking system of an electric passenger car. , 2015, , .		6

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145	Novel control algorithm of braking energy regeneration system for an electric vehicle during safety-critical driving maneuvers. <i>Energy Conversion and Management</i> , 2015, 106, 520-529.	4.4	79
146	Design optimization of the control system for the powertrain of an electric vehicle: A cyber-physical system approach. , 2015, , .		7
147	Modeling and analysis of regenerative braking system for electric vehicle based on AMESim. , 2015, , .		5
148	Robust Control of Anti-Lock Brake System for an Electric Vehicle Equipped with an Axle Motor. , 2014, , .		1
149	Hardware-in-the-loop simulation of pressure-difference-limiting modulation of the hydraulic brake for regenerative braking control of electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2014, 228, 649-662.	1.1	47
150	Extended-Kalman-filter-based regenerative and friction blended braking control for electric vehicle equipped with axle motor considering damping and elastic properties of electric powertrain. <i>Vehicle System Dynamics</i> , 2014, 52, 1372-1388.	2.2	68
151	New regenerative braking control strategy for rear-driven electrified minivans. <i>Energy Conversion and Management</i> , 2014, 82, 135-145.	4.4	98
152	Study on a linear relationship between limited pressure difference and coil current of on/off valve and its influential factors. <i>ISA Transactions</i> , 2014, 53, 150-161.	3.1	34
153	Braking energy regeneration control of a fuel cell hybrid electric bus. <i>Energy Conversion and Management</i> , 2013, 76, 1117-1124.	4.4	68
154	Research of Regenerative Braking System for Electrified Buses Equipped with a Brake Resistor. , 2013, , .		5
155	Cooperative control of regenerative braking and hydraulic braking of an electrified passenger car. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2012, 226, 1289-1302.	1.1	157
156	Computational simulation on VSC based on PID coordinated control algorithm and differential brake. , 2012, , .		2
157	Research of parameter design and matching of powertrain system in plug-in hybrid electric vehicle. , 2011, , .		3
158	Development of the Electrically-Controlled Regenerative Braking System for Electrified Passenger Vehicle. , 0, , .		22
159	Regenerative Braking Control Algorithm for an Electrified Vehicle Equipped with a By-Wire Brake System. , 0, , .		22
160	Synthesis of a Hybrid-Observer-Based Active Controller for Compensating Powertrain Backlash Nonlinearity of an Electric Vehicle during Regenerative Braking. <i>SAE International Journal of Alternative Powertrains</i> , 0, 4, 190-198.	0.8	18
161	Design and Performance Analysis of a Novel Regenerative Braking System for Electrified Passenger Vehicles. <i>SAE International Journal of Materials and Manufacturing</i> , 0, 9, 699-706.	0.3	7
162	Robust Control of Regenerative and Hydraulic Brakes for Enhancing Directional Stability of an Electric Vehicle During Straight-Line Braking. <i>SAE International Journal of Alternative Powertrains</i> , 0, 5, 328-337.	0.8	3

#	ARTICLE	IF	CITATIONS
163	Comprehensive Optimization of Dynamics Performance and Energy Consumption for an Electric Vehicle via Coordinated Control of SBW and FIWMA. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 9, 90-98.	0.4	3
164	Recognizing Driver Braking Intention with Vehicle Data Using Unsupervised Learning Methods. , 0, , .		7
165	A Global Optimal Energy Management System for Hybrid Electric off-road Vehicles. SAE International Journal of Commercial Vehicles, 0, 10, 524-531.	0.4	5
166	Regenerative Brake-by-Wire System Development and Hardware-In-Loop Test for Autonomous Electrified Vehicle. , 0, , .		10
167	Virtual Test Design and Automated Analysis of Lane Keeping Assistance Systems in Accordance with Euro NCAP Test Protocols. , 0, , .		2
168	Cyber-Physical System Based Optimization Framework for Intelligent Powertrain Control. SAE International Journal of Commercial Vehicles, 0, 10, 254-264.	0.4	20
169	Design Optimization of the Transmission System for Electric Vehicles Considering the Dynamic Efficiency of the Regenerative Brake. , 0, , .		3
170	A Personalized Deep Learning Approach for Trajectory Prediction of Connected Vehicles. , 0, , .		3