

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225 papers	6,750 citations	48 h-index	75 g-index
251 ext. papers	8,190 ext. citations	4 avg, IF	6.89 L-index

#	Paper	IF	Citations
225	Development and performance characterization of an electric ground vehicle with independently actuated in-wheel motors. <i>Journal of Power Sources</i> , 2011 , 196, 3962-3971	8.9	246
224	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 591-602	6.8	219
223	Vehicle Lateral Dynamics Control Through AFS/DYC and Robust Gain-Scheduling Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 489-494	6.8	211
222	Robust gain-scheduling energy-to-peak control of vehicle lateral dynamics stabilisation. <i>Vehicle System Dynamics</i> , 2014 , 52, 309-340	2.8	211
221	On Energy-to-Peak Filtering for Nonuniformly Sampled Nonlinear Systems: A Markovian Jump System Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 212-222	8.3	192
220	Coordinated and Reconfigurable Vehicle Dynamics Control. <i>IEEE Transactions on Control Systems Technology</i> , 2009 , 17, 723-732	4.8	175
219	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 1659-1670	5.5	162
218	A Parallel Hybrid Electric Vehicle Energy Management Strategy Using Stochastic Model Predictive Control With Road Grade Preview. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2416-2423	4.8	152
217	Adaptive Sliding-Mode Observer Design for a Selective Catalytic Reduction System of Ground-Vehicle Diesel Engines. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 2027-2038	5.5	151
216	Fault-Tolerant Control With Active Fault Diagnosis for Four-Wheel Independently Driven Electric Ground Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 4276-4287	6.8	145
215	Hybrid Electric Vehicle Model Predictive Control Torque-Split Strategy Incorporating Engine Transient Characteristics. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 2458-2467	6.8	138
214	Lateral motion control for four-wheel-independent-drive electric vehicles using optimal torque allocation and dynamic message priority scheduling. <i>Control Engineering Practice</i> , 2014 , 24, 55-66	3.9	116
213	. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 839-848	6.8	114
212	Linear Parameter-Varying Controller Design for Four-Wheel Independently Actuated Electric Ground Vehicles With Active Steering Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1281-1296	4.8	113
211	State Estimation of Discrete-Time Takagi-Sugeno Fuzzy Systems in a Network Environment. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1525-36	10.2	106
210	Design and Evaluation on Electric Differentials for Overactuated Electric Ground Vehicles With Four Independent In-Wheel Motors. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 1534-1542	6.8	101
209	Fast and Global Optimal Energy-Efficient Control Allocation With Applications to Over-Actuated Electric Ground Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1202-1211	4.8	93

208	. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 1138-1151	4.8	92
207	Design and Experimental Evaluations on Energy Efficient Control Allocation Methods for Overactuated Electric Vehicles: Longitudinal Motion Case. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014 , 19, 538-548	5.5	91
206	Robust energy-to-peak sideslip angle estimation with applications to ground vehicles. <i>Mechatronics</i> , 2015 , 30, 338-347	3	90
205	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7239-7247	8.9	88
204	Passive Actuator Fault-Tolerant Control for a Class of Overactuated Nonlinear Systems and Applications to Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 972-985	6.8	86
203	Observer-based tracking controller design for networked predictive control systems with uncertain Markov delays. <i>International Journal of Control</i> , 2013 , 86, 1824-1836	1.5	86
202	Development and experimental studies of a control-oriented SCR model for a two-catalyst urea-SCR system. <i>Control Engineering Practice</i> , 2011 , 19, 409-422	3.9	85
201	Robust sliding-mode control for Markovian jump systems subject to intermittent observations and partially known transition probabilities. <i>Systems and Control Letters</i> , 2013 , 62, 1114-1124	2.4	82
200	Robust H _∞ sliding mode control with pole placement for a fluid power electrohydraulic actuator (EHA) system. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 1095-1104	3.2	79
199	Robust Weighted Gain-Scheduling H_{∞} Vehicle Lateral Motion Control With Considerations of Steering System Backlash-Type Hysteresis. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1740-1753	4.8	78
198	Improving Vehicle Handling Stability Based on Combined AFS and DYC System via Robust Takagi-Sugeno Fuzzy Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 2696-2707	6.1	77
197	Tire Road friction coefficient and tire cornering stiffness estimation based on longitudinal tire force difference generation. <i>Control Engineering Practice</i> , 2013 , 21, 65-75	3.9	75
196	Air fraction estimation for multiple combustion mode diesel engines with dual-loop EGR systems. <i>Control Engineering Practice</i> , 2008 , 16, 1479-1486	3.9	74
195	Adaptive Energy-Efficient Control Allocation for Planar Motion Control of Over-Actuated Electric Ground Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1362-1373	4.8	70
194	Energy Management and Driving Strategy for In-Wheel Motor Electric Ground Vehicles With Terrain Profile Preview. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1938-1947	11.9	70
193	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	70
192	A Two-Cell Backstepping-Based Control Strategy for Diesel Engine Selective Catalytic Reduction Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 1504-1515	4.8	68
191	. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1557-1572	4.8	60

190	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 1097-1108	6.1	59
189	Robust finite frequency H _∞ static-output-feedback control with application to vibration active control of structural systems. <i>Mechatronics</i> , 2014 , 24, 354-366	3	57
188	Design and experimental validation of an extended Kalman filter-based NO _x concentration estimator in selective catalytic reduction system applications. <i>Control Engineering Practice</i> , 2011 , 19, 346-353	3.9	57
187	Fault-Tolerant Control for Electric Ground Vehicles With Independently-Actuated In-Wheel Motors. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	56
186	A robust wheel slip ratio control design combining hydraulic and regenerative braking systems for in-wheel-motors-driven electric Vehicles. <i>Journal of the Franklin Institute</i> , 2015 , 352, 577-602	4	54
185	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4985-4995	6.8	53
184	A Driver Steering Model With Personalized Desired Path Generation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 111-120	7.3	52
183	Experimental investigation of diesel and biodiesel post injections during active diesel particulate filter regenerations. <i>Fuel</i> , 2014 , 130, 286-295	7.1	51
182	Control-oriented model for integrated diesel engine and aftertreatment systems thermal management. <i>Control Engineering Practice</i> , 2014 , 22, 81-93	3.9	51
181	Model predictive regenerative braking control for lightweight electric vehicles with in-wheel motors. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2012 , 226, 1220-1232	1.4	51
180	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 3049-3060	6.1	50
179	A Personalizable Driver Steering Model Capable of Predicting Driver Behaviors in Vehicle Collision Avoidance Maneuvers. <i>IEEE Transactions on Human-Machine Systems</i> , 2017 , 47, 625-635	4.1	50
178	Adaptive and Efficient Ammonia Storage Distribution Control for a Two-Catalyst Selective Catalytic Reduction System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	48
177	Air-fraction modeling for simultaneous Diesel engine NO _x and PM emissions control during active DPF regenerations. <i>Applied Energy</i> , 2014 , 122, 310-320	10.7	47
176	Robust speed synchronization control for clutchless automated manual transmission systems in electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015 , 229, 424-436	1.4	45
175	NO and NO ₂ Concentration Modeling and Observer-Based Estimation Across a Diesel Engine Aftertreatment System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133,	1.6	42
174	Robust lateral motion control of four-wheel independently actuated electric vehicles with tire force saturation consideration. <i>Journal of the Franklin Institute</i> , 2015 , 352, 645-668	4	41
173	Combined feedback-feedforward tracking control for networked control systems with probabilistic delays. <i>Journal of the Franklin Institute</i> , 2014 , 351, 3477-3489	4	39

172	A feedforward and feedback integrated lateral and longitudinal driver model for personalized advanced driver assistance systems. <i>Mechatronics</i> , 2018 , 50, 177-188	3	37
171	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 3874-3887	6.8	37
170	Control of diesel engine dual-loop EGR air-path systems by a singular perturbation method. <i>Control Engineering Practice</i> , 2013 , 21, 981-988	3.9	37
169	. <i>IEEE Transactions on Transportation Electrification</i> , 2016 , 2, 200-209	7.6	36
168	Observer-Based Estimation of Air-Fractions for a Diesel Engine Coupled With Aftertreatment Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 2239-2250	4.8	36
167	Robust control for four wheel independently-actuated electric ground vehicles by external yaw-moment generation. <i>International Journal of Automotive Technology</i> , 2015 , 16, 839-847	1.6	34
166	Autonomous ground vehicle control system for high-speed and safe operation. <i>International Journal of Vehicle Autonomous Systems</i> , 2009 , 7, 18	0.4	34
165	Robust H _∞ dynamic output-feedback control for four-wheel independently actuated electric ground vehicles through integrated AFS/DYC. <i>Journal of the Franklin Institute</i> , 2018 , 355, 9321-9350	4	33
164	A Stochastic Driver Pedal Behavior Model Incorporating Road Information. <i>IEEE Transactions on Human-Machine Systems</i> , 2017 , 47, 614-624	4.1	32
163	Nonlinear Observer Design of Diesel Engine Selective Catalytic Reduction Systems With NO_x Sensor Measurements. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 1585-1594	5.5	32
162	Lightweight Vehicle Control-Oriented Modeling and Payload Parameter Sensitivity Analysis. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 1999-2011	6.8	32
161	Cycle-based optimal NO _x emission control of selective catalytic reduction systems with dynamic programming algorithm. <i>Fuel</i> , 2015 , 141, 200-206	7.1	30
160	Human-Centered Trajectory Tracking Control for Autonomous Vehicles With Driver Cut-In Behavior Prediction. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8461-8471	6.8	29
159	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4740-4751	6.8	29
158	A two-level stochastic approach to optimize the energy management strategy for fixed-route hybrid electric vehicles. <i>Mechatronics</i> , 2016 , 38, 93-102	3	29
157	Estimation and adaptive nonlinear model predictive control of selective catalytic reduction systems in automotive applications. <i>Journal of Process Control</i> , 2016 , 40, 78-92	3.9	29
156	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 4221-4231	6.8	29
155	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	29

154	Driver-Assistance Lateral Motion Control for In-Wheel-Motor-Driven Electric Ground Vehicles Subject to Small Torque Variation. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6838-6850	6.8	26
153	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014 , 15, 239-249	6.1	26
152	Robust Filtering for Ammonia Coverage Estimation in Diesel Engine Selective Catalytic Reduction Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135,	1.6	26
151	Two-Level Nonlinear Model Predictive Control for Lean NOx Trap Regenerations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	26
150	Ultra-local model predictive control: A model-free approach and its application on automated vehicle trajectory tracking. <i>Control Engineering Practice</i> , 2020 , 101, 104482	3.9	25
149	Center of gravity height real-time estimation for lightweight vehicles using tire instant effective radius. <i>Control Engineering Practice</i> , 2013 , 21, 370-380	3.9	25
148	Robust two-mode-dependent controller design for networked control systems with random delays modelled by Markov chains. <i>International Journal of Control</i> , 2015 , 88, 2499-2509	1.5	24
147	Ammonia coverage ratio and input simultaneous estimation in ground vehicle selective catalytic reduction (SCR) systems. <i>Journal of the Franklin Institute</i> , 2015 , 352, 708-723	4	24
146	Output-feedback robust control for vehicle path tracking considering different human drivers[] characteristics. <i>Mechatronics</i> , 2018 , 50, 402-412	3	24
145	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 1199-1211	6.8	24
144	Multiobjective Optimization of Lane-Changing Strategy for Intelligent Vehicles in Complex Driving Environments. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1291-1308	6.8	24
143	Globally energy-optimal speed planning for road vehicles on a given route. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 93, 148-160	8.4	23
142	Development and experimental validation of a control-oriented Diesel engine model for fuel consumption and brake torque predictions. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2011 , 17, 261-277	1	22
141	On the Control Allocation for Coordinated Ground Vehicle Dynamics Control Systems. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	22
140	Removal of NOx sensor ammonia cross sensitivity from contaminated measurements in Diesel-engine selective catalytic reduction systems. <i>Fuel</i> , 2015 , 150, 448-456	7.1	21
139	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 4527-4536	6.8	20
138	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2779-2790	5.5	20
137	Fuzzy Observer-Based Transitional Path-Tracking Control for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 3078-3088	6.1	20

136	Rollover speed prediction on curves for heavy vehicles using mobile smartphone. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 130, 404-411	4.6	19
135	A physics-based time-varying transport delay oxygen concentration model for dual-loop exhaust gas recirculation (EGR) engine air-paths. <i>Applied Energy</i> , 2014 , 125, 300-307	10.7	19
134	Nonlinear and adaptive control of NO/NO ₂ ratio for improving selective catalytic reduction system performance. <i>Journal of the Franklin Institute</i> , 2013 , 350, 1992-2012	4	19
133	Linear parameter-varying-based fault-tolerant controller design for a class of over-actuated non-linear systems with applications to electric vehicles. <i>IET Control Theory and Applications</i> , 2014 , 8, 705-717	2.5	19
132	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10935-10945	6.8	18
131	Velocity Optimization for Braking Energy Management of In-Wheel Motor Electric Vehicles. <i>IEEE Access</i> , 2019 , 7, 66410-66422	3.5	18
130	Motor/Generator Applications in Electrified Vehicle ChassisA Survey. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 584-601	7.6	18
129	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 1195-1206	5.5	18
128	Motion Planning With Velocity Prediction and Composite Nonlinear Feedback Tracking Control for Lane-Change Strategy of Autonomous Vehicles. <i>IEEE Transactions on Intelligent Vehicles</i> , 2020 , 5, 63-74	5	17
127	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 2222-2233	5.5	16
126	Nonlinear Model Predictive Control of Integrated Diesel Engine and Selective Catalytic Reduction System for Simultaneous Fuel Economy Improvement and Emissions Reduction. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	16
125	Introducing mass parameters to PseudoRigidBody models for precisely predicting dynamics of compliant mechanisms. <i>Mechanism and Machine Theory</i> , 2018 , 126, 273-294	4	15
124	Pressure-based transient intake manifold temperature reconstruction in Diesel engines. <i>Control Engineering Practice</i> , 2012 , 20, 531-538	3.9	15
123	Vehicle Path-Tracking Linear-Time-Varying Model Predictive Control Controller Parameter Selection Considering Central Process Unit Computational Load. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	15
122	NO _x Sensor Ammonia-Cross-Sensitivity Factor Estimation in Diesel Engine Selective Catalytic Reduction Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	14
121	Longitudinal Motion Based Lightweight Vehicle Payload Parameter Real-Time Estimations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135,	1.6	14
120	Oxygen Concentration Dynamic Model and Observer-Based Estimation Through a Diesel Engine Aftertreatment System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	14
119	Optimizing the Energy Management Strategy for Plug-In Hybrid Electric Vehicles With Multiple Frequent Routes. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 394-400	4.8	14

118	Design and Modeling of a Compliant Link for Inherently Safe Corobots. <i>Journal of Mechanisms and Robotics</i> , 2018 , 10,	2.2	14
117	Robust Vehicle Driver Assistance Control for Handover Scenarios Considering Driving Performances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4160-4170	7.3	13
116	Correction of contaminated yaw rate signal and estimation of sensor bias for an electric vehicle under normal driving conditions. <i>Mechanical Systems and Signal Processing</i> , 2017 , 87, 64-80	7.8	12
115	Stable and Optimal Load Sharing of Multiple PMSGs in an Islanded DC Microgrid. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 260-271	5.4	11
114	Control-Oriented Modeling and Observer-Based Estimation of Solid and Gas Temperatures for a Diesel Engine Aftertreatment System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	11
113	In-Wheel-Motor-Driven Electric Vehicles Motion Control Methods Considering Motor Thermal Protection. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	11
112	An adaptive energy-efficient control allocation on planar motion control of electric ground vehicles 2011 ,		10
111	Adaptive Observer for Joint Estimation of Oxygen Fractions and Blend Level in Biodiesel Fueled Engines. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 80-90	4.8	9
110	Modeling and control of inherently safe robots with variable stiffness links. <i>Robotics and Autonomous Systems</i> , 2019 , 120, 103247	3.5	9
109	Control-oriented multi-phase combustion model for biodiesel fueled engines. <i>Applied Energy</i> , 2013 , 108, 92-99	10.7	9
108	A novel cost-effective robust approach for selective catalytic reduction state estimations using dual nitrogen oxide sensors. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015 , 229, 83-96	1.4	9
107	Optimization of the ammonia coverage ratio references in diesel engine two-can selective catalytic reduction systems via nonlinear model predictive control. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2014 , 228, 1452-1467	1.4	9
106	Energy-efficient control allocation with applications on planar motion control of electric ground vehicles 2011 ,		9
105	Nonlinear observer designs for diesel engine selective catalytic reduction (SCR) ammonia coverage ratio estimation 2009 ,		9
104	Simultaneous Estimation of Vehicle's Center of Gravity and Inertial Parameters Based on Ackermann's Steering Geometry. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	8
103	Analysis of Human Driver Behavior in Highway Cut-in Scenarios 2017 ,		8
102	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 190-199	5.5	8
101	Hand-wheel steering signal estimation and diagnosis approaches for ground vehicles. <i>Control Engineering Practice</i> , 2012 , 20, 654-662	3.9	8

100	Coordinated Active Thermal Management and Selective Catalytic Reduction Control for Simultaneous Fuel Economy Improvement and Emissions Reduction During Low-Temperature Operations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	8
99	Obstacle Detection for Autonomous Driving Vehicles With Multi-LiDAR Sensor Fusion. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020 , 142,	1.6	8
98	Observer-Based Estimation of Aging Condition for Selective Catalytic Reduction Systems in Vehicle Applications. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	7
97	Cycle-based ammonia-coverage-ratio reference generator design for Diesel engine two-cell selective catalytic reduction systems via a fuzzy approach. <i>Fuel</i> , 2015 , 159, 76-83	7.1	7
96	Autonomous Vehicle Trajectory Following: A Flatness Model Predictive Control Approach With Hardware-in-the-Loop Verification. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-11	6.1	7
95	Adaptive vehicle planar motion control with fast parameter estimation 2012 ,		7
94	Nonlinear model predictive control of lean NOx trap regenerations 2009 ,		7
93	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	7
92	Human-centered feed-forward control of a vehicle steering system based on a driver's steering model 2015 ,		6
91	Robust vehicle longitudinal motion control subject to in-wheel-motor driving torque variations 2017 ,		6
90	Application of NMPC on optimization of ammonia coverage ratio references in two-can diesel SCR systems 2014 ,		6
89	Design and Robustness Analysis of Discrete Observers for Diesel Engine In-Cylinder Oxygen Mass Fraction Cycle-by-Cycle Estimation. <i>IEEE Transactions on Control Systems Technology</i> , 2011 ,	4.8	6
88	An extended Kalman filter for NOx sensor ammonia cross-sensitivity elimination in selective catalytic reduction applications 2010 ,		6
87	An extended Kalman filter for ammonia coverage ratio and capacity estimations in the application of Diesel engine SCR control and onboard diagnosis 2010 ,		6
86	Impaired Driver Assistance Control With Gain-Scheduling Composite Nonlinear Feedback for Vehicle Trajectory Tracking. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020 , 142,	1.6	6
85	Toward Tradeoff Between Impact Force Reduction and Maximum Safe Speed: Dynamic Parameter Optimization of Variable Stiffness Robots. <i>Journal of Mechanisms and Robotics</i> , 2020 , 12,	2.2	6
84	Predictive energy management strategy for electric vehicles based on estimation of preceding vehicle future movements 2016 ,		6
83	Self-Adaptive Equivalent Consumption Minimization Strategy for Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 189-202	6.8	6

82	A robust ammonia coverage ratio control method for a two-cell selective catalytic reduction system in low temperature operations 2014 ,		5
81	A robust wheel slip control design for in-wheel-motor-driven electric vehicles with hydraulic and regenerative braking systems 2014 ,		5
80	Robust fuzzy control for vehicle lateral dynamic stability via Takagi-Sugeno fuzzy approach 2017 ,		5
79	Sliding-mode observers for urea selective catalytic reduction system state estimations based on nitrogen oxide sensor measurements. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015 , 229, 835-849	1.4	5
78	Stochastic optimal control for hybrid electric vehicles running on fixed routes 2015 ,		5
77	Nonlinear model predictive control for improving energy recovery for electric vehicles during regenerative braking 2011 ,		5
76	MC-Safe. <i>ACM Transactions on Cyber-Physical Systems</i> , 2020 , 4, 1-27	2.3	5
75	Traffic signal timing optimization incorporating individual vehicle fuel consumption characteristics under connected vehicles environment 2016 ,		5
74	A Personalized Human-Like Lane-Changing Trajectory Planning Method for Automated Driving System. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6399-6414	6.8	5
73	Fault-type identification and fault estimation of the active steering system of an electric vehicle in normal driving conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2017 , 231, 1679-1692	1.4	4
72	Control of aged automotive selective catalytic reduction systems for consistent performances. <i>Journal of the Franklin Institute</i> , 2017 , 354, 8094-8116	4	4
71	Robust Gain-Scheduling Control of Vehicle Lateral Dynamics Through AFS/DYC 2018 , 339-368		4
70	Energetic Impacts Evaluation of Eco-Driving on Mixed Traffic With Driver Behavioral Diversity. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	4
69	Popov-H _∞ Robust Path-Tracking Control of Autonomous Ground Vehicles with Consideration of Sector Bounded Kinematic Nonlinearity. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2021 ,	1.6	4
68	Comparative Study and Accommodation of Biodiesel in Diesel-Electric Hybrid Vehicles Coupled with Aftertreatment Systems. <i>Asian Journal of Control</i> , 2016 , 18, 3-15	1.7	4
67	Trajectory Tracking Control for Autonomous Vehicles in Different Cut-in Scenarios 2019 ,		4
66	Flatness-based Model Predictive Control for Autonomous Vehicle Trajectory Tracking 2019 ,		4
65	Personalized Vehicle Path Following Based on Robust Gain-scheduling Control in Lane-changing and Left-turning Maneuvers 2018 ,		4

64	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 6429-6440	6.8	3
63	NO _x Sensor Reading Correction in Diesel Engine Selective Catalytic Reduction System Applications. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 1-1	5.5	3
62	A least-squares regression based method for vehicle yaw moment of inertia estimation 2015 ,		3
61	Sliding-mode Control of Ammonia Coverage Ratio for Automotive Selective Catalytic Reduction Systems 2018 ,		3
60	Predictive energy management strategy for fully electric vehicles based on hybrid model predictive control 2017 ,		3
59	Sensitivity analysis of human driving characteristics on road and driving conditions for active vehicle control systems 2014 ,		3
58	Control-oriented modeling of thermal behaviors for a Diesel oxidation catalyst 2012 ,		3
57	Observer Based Oxygen Fraction Estimation for a Dual-Loop EGR Diesel Engine Fueled With Biodiesel Blends 2013 ,		3
56	Stability control of electric vehicles with four independently actuated wheels 2011 ,		3
55	Vehicle yaw inertia and mass independent adaptive control for stability and trajectory tracking enhancements 2009 ,		3
54	A Comparative Study on the Effect of Mechanical Compliance for a Safe Physical HumanRobot Interaction. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2020 , 142,	3	3
53	A Novel Vehicle Tracking Method for Cross-Area Sensor Fusion with Reinforcement Learning Based GMM 2020 ,		3
52	WiDrive: Adaptive WiFi-Based Recognition of Driver Activity for Real-Time and Safe Takeover 2019 ,		3
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12	Robust Adaptive Path-Tracking Control of Autonomous Ground Vehicles with Considerations of Steering System Backlash. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022 , 1-1	5	0
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