

Tielong Shen

List of Publications by Year in descending order

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Version: 2024-02-01

251
papers

2,605
citations

236925

25
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265206

42
g-index

252
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252
docs citations

252
times ranked

1386
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Optimal control of Boolean control networks with average cost: A policy iteration approach. <i>Automatica</i> , 2019, 100, 378-387. | 5.0 | 146 |
| 2 | An algebraic expression of finite horizon optimal control algorithm for stochastic logical dynamical systems. <i>Systems and Control Letters</i> , 2015, 82, 108-114. | 2.3 | 107 |
| 3 | Adaptive nonlinear excitation control with L2 disturbance attenuation for power systems. <i>Automatica</i> , 2003, 39, 81-89. | 5.0 | 92 |
| 4 | An Adaptive Servo Control Strategy for Automotive Electronic Throttle and Experimental Validation. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 6275-6284. | 7.9 | 89 |
| 5 | Nonlinear decentralized disturbance attenuation excitation control via new recursive design for multi-machine power systems. <i>IEEE Transactions on Power Systems</i> , 2001, 16, 729-736. | 6.5 | 87 |
| 6 | Real-Time Fuel Economy Optimization With Nonlinear MPC for PHEVs. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 2167-2175. | 5.2 | 86 |
| 7 | A Finite Convergence Criterion for the Discounted Optimal Control of Stochastic Logical Networks. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 262-268. | 5.7 | 85 |
| 8 | Policy Iteration Approach to Control Residual Gas Fraction in IC Engines Under the Framework of Stochastic Logical Dynamics. <i>IEEE Transactions on Control Systems Technology</i> , 2017, 25, 1100-1107. | 5.2 | 69 |
| 9 | Adaptive L_2 Disturbance Attenuation Of Hamiltonian Systems With Parametric Perturbation And Application To Power Systems. <i>Asian Journal of Control</i> , 2003, 5, 143-152. | 3.0 | 61 |
| 10 | A stochastic logical system approach to model and optimal control of cyclic variation of residual gas fraction in combustion engines. <i>Applied Thermal Engineering</i> , 2016, 93, 251-259. | 6.0 | 60 |
| 11 | Look-Ahead Prediction-Based Real-Time Optimal Energy Management for Connected HEVs. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 2537-2551. | 6.3 | 54 |
| 12 | Spark advance self-optimization with knock probability threshold for lean-burn operation mode of SI engine. <i>Energy</i> , 2017, 122, 1-10. | 8.8 | 53 |
| 13 | Optimal control of power-split hybrid electric powertrains with minimization of energy consumption. <i>Applied Energy</i> , 2020, 266, 114873. | 10.1 | 53 |
| 14 | Policy Iteration Algorithm for Optimal Control of Stochastic Logical Dynamical Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2031-2036. | 11.3 | 43 |
| 15 | Recent advances in optimization and game theoretic control for networked systems. <i>Asian Journal of Control</i> , 2019, 21, 2493-2512. | 3.0 | 40 |
| 16 | Model-based cold-start speed control scheme for spark ignition engines. <i>Control Engineering Practice</i> , 2010, 18, 1285-1294. | 5.5 | 39 |
| 17 | Gaussian Mixture Model Clustering-Based Knock Threshold Learning in Automotive Engines. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2981-2991. | 5.8 | 37 |
| 18 | A Model-Predictive-Control-Based Torque Demand Control Approach for Parallel Hybrid Powertrains. <i>IEEE Transactions on Vehicular Technology</i> , 2013, 62, 1041-1052. | 6.3 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Bearing-Based Adaptive Neural Formation Scaling Control for Autonomous Surface Vehicles With Uncertainties and Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4653-4664. | 11.3 | 34 |
| 20 | Lyapunov recursive design of robust adaptive tracking control with L2-gain performance for electrically-driven robot manipulators. International Journal of Control, 2001, 74, 811-828. | 1.9 | 33 |
| 21 | Input Observer-Based Individual Cylinder Air-Fuel Ratio Control: Modelling, Design and Validation. IEEE Transactions on Control Systems Technology, 2008, 16, 1057-1065. | 5.2 | 33 |
| 22 | A statistical combustion phase control approach of SI engines. Mechanical Systems and Signal Processing, 2017, 85, 218-235. | 8.0 | 31 |
| 23 | SDP Policy Iteration-Based Energy Management Strategy Using Traffic Information for Commuter Hybrid Electric Vehicles. Energies, 2014, 7, 4648-4675. | 3.1 | 30 |
| 24 | In-cylinder pressure-based air-fuel ratio control for lean burn operation mode of SI engines. Energy, 2017, 120, 106-116. | 8.8 | 29 |
| 25 | Torque Observers Design for Spark Ignition Engines With Different Intake Air Measurement Sensors. IEEE Transactions on Control Systems Technology, 2011, 19, 229-237. | 5.2 | 28 |
| 26 | Combustion variation control strategy with thermal efficiency optimization for lean combustion in spark-ignition engines. Applied Energy, 2019, 251, 113329. | 10.1 | 27 |
| 27 | Experimental Validation of a Likelihood-Based Stochastic Knock Controller. IEEE Transactions on Control Systems Technology, 2016, 24, 1407-1418. | 5.2 | 26 |
| 28 | An On-Board Calibration Scheme for Map-Based Combustion Phase Control of Spark-Ignition Engines. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1485-1496. | 5.8 | 26 |
| 29 | Model-Based Stochastic Optimal Air-Fuel Ratio Control With Residual Gas Fraction of Spark Ignition Engines. IEEE Transactions on Control Systems Technology, 2014, 22, 896-910. | 5.2 | 25 |
| 30 | On-line statistical combustion phase optimization and control of SI gasoline engines. Applied Thermal Engineering, 2017, 112, 1396-1407. | 6.0 | 25 |
| 31 | Adaptive control approach to uncertain longitudinal tire slip in traction control of vehicles. Asian Journal of Control, 2008, 10, 67-73. | 3.0 | 22 |
| 32 | On-board knock probability map learning-based spark advance control for combustion engines. International Journal of Engine Research, 2019, 20, 1073-1088. | 2.3 | 22 |
| 33 | Short-Term Optimal Energy Management of Power-Split Hybrid Electric Vehicles Under Velocity Tracking Control. IEEE Transactions on Vehicular Technology, 2020, 69, 182-193. | 6.3 | 22 |
| 34 | Absolute stability of the Kirchhoff string with sector boundary control. Automatica, 2014, 50, 1915-1921. | 5.0 | 21 |
| 35 | Cylinder pressure based combustion phase optimization and control in spark-ignited engines. Control Theory and Technology, 2017, 15, 83-91. | 1.6 | 21 |
| 36 | Individual A/F Estimation and Control With the Fuel-Gas Ratio for Multicylinder IC Engines. IEEE Transactions on Vehicular Technology, 2009, 58, 4757-4768. | 6.3 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | A survey on online learning and optimization for spark advance control of SI engines. Science China Information Sciences, 2018, 61, 1. | 4.3 | 20 |
| 38 | Adaptive air-fuel ratio control scheme and its experimental validations for port-injected spark ignition engines. International Journal of Adaptive Control and Signal Processing, 2015, 29, 41-63. | 4.1 | 19 |
| 39 | Cylinder pressure resonant frequency cyclic estimation-based knock intensity metric in combustion engines. Applied Thermal Engineering, 2019, 158, 113756. | 6.0 | 19 |
| 40 | Estimation and feedback control of air-fuel ratio for gasoline engines. Control Theory and Technology, 2015, 13, 151-159. | 1.6 | 18 |
| 41 | Challenges and solutions in automotive powertrain systems. Journal of Control and Decision, 2018, 5, 61-93. | 1.6 | 18 |
| 42 | Linear dynamic games with polytope strategy sets. IET Control Theory and Applications, 2017, 11, 2146-2151. | 2.1 | 18 |
| 43 | Experimental comparisons of hypothesis test and moving average based combustion phase controllers. ISA Transactions, 2016, 65, 504-515. | 5.7 | 16 |
| 44 | Recursive design of nonlinearH ∞ excitation controller. Science in China Series D: Earth Sciences, 2000, 43, 23-31. | 0.9 | 15 |
| 45 | A fuzzy logic map-based knock control for spark ignition engines. Applied Energy, 2020, 280, 116036. | 10.1 | 15 |
| 46 | Riccati equation approach to robustL2-gain synthesis for a class of uncertain nonlinear systems. International Journal of Control, 1996, 64, 1177-1188. | 1.9 | 14 |
| 47 | Receding horizon online optimization for torque control of gasoline engines. ISA Transactions, 2016, 65, 371-383. | 5.7 | 14 |
| 48 | Real-time statistical learning-based stochastic knock limit control for spark-ignition engines. Applied Thermal Engineering, 2017, 127, 1518-1529. | 6.0 | 14 |
| 49 | Nonlinear and Adaptive Nonlinear Controllers for Attitude Stabilization and Tracking of a Spacecraft. Transactions of the Japan Society for Aeronautical and Space Sciences, 2005, 48, 7-12. | 0.7 | 14 |
| 50 | Robust Nonlinear Control of Parametric Uncertain Systems With Unknown Friction and Its Application to a Pneumatic Control Valve. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 257-262. | 1.6 | 13 |
| 51 | Cooperative shift estimation of target trajectory using clustered sensors. Journal of Systems Science and Complexity, 2014, 27, 413-429. | 2.8 | 13 |
| 52 | Absolute stability of the axially moving Kirchhoff string with a sector boundary feedback control. Nonlinear Dynamics, 2015, 80, 9-22. | 5.2 | 13 |
| 53 | Reach Control Problem for Linear Differential Inclusion Systems on Simplices. IEEE Transactions on Automatic Control, 2016, 61, 1403-1408. | 5.7 | 13 |
| 54 | Adaptive idling control scheme and its experimental validation for gasoline engines. Science China Information Sciences, 2017, 60, 1. | 4.3 | 13 |

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| 55 | Logical control scheme with real-time statistical learning for residual gas fraction in IC engines. Science China Information Sciences, 2018, 61, 1. | 4.3 | 13 |
| 56 | Benchmark problem for automotive engine control. , 2007, , . | | 12 |
| 57 | Model-free reinforcement learning approach to optimal speed control of combustion engines in start-up mode. Control Engineering Practice, 2021, 111, 104791. | 5.5 | 12 |
| 58 | Real-Time HEV Energy Management Strategy Considering Road Congestion Based on Deep Reinforcement Learning. Energies, 2021, 14, 5270. | 3.1 | 12 |
| 59 | Optimal control design for comfortable-driving of hybrid electric vehicles in acceleration mode. Applied Energy, 2022, 305, 117885. | 10.1 | 12 |
| 60 | Pseudo-Hamiltonian realization and its application. Communications in Information and Systems, 2002, 2, 91-120. | 0.5 | 12 |
| 61 | Decentralized controller design for multimachine power systems based on the Hamiltonian structure. , 0, , . | | 12 |
| 62 | A hybrid genetic algorithm for the electric vehicle routing problem with time windows. Control Theory and Technology, 2022, 20, 279-286. | 1.6 | 12 |
| 63 | High precision feedback control design for dual-actuator systems. , 0, , . | | 11 |
| 64 | Adaptive control design for a class of nonsmooth nonlinear systems with matched and linearly parameterized uncertainty. International Journal of Robust and Nonlinear Control, 2009, 19, 243-255. | 3.7 | 11 |
| 65 | Stationary Set Analysis for PD Controlled Mechanical Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 1236-1244. | 5.2 | 11 |
| 66 | Equivalence-Based Model of Dimension-Varying Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 5444-5449. | 5.7 | 11 |
| 67 | New approaching condition for sliding mode control design with Lipschitz switching surface. Science in China Series F: Information Sciences, 2009, 52, 2032-2044. | 1.1 | 10 |
| 68 | Probabilistic Guaranteed Gradient Learning-Based Spark Advance Self-Optimizing Control for Spark-Ignited Engines. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4683-4693. | 11.3 | 9 |
| 69 | Two-stage on-board optimization of merging velocity planning with energy management for HEVs. Control Theory and Technology, 2019, 17, 335-345. | 1.6 | 9 |
| 70 | Decentralized Optimal Merging Control With Optimization of Energy Consumption for Connected Hybrid Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5539-5551. | 8.0 | 9 |
| 71 | Passivity-based robust feedback control for non-linear systems with input dynamical uncertainty. International Journal of Control, 2004, 77, 517-526. | 1.9 | 8 |
| 72 | Coordinated Nonlinear Speed Control Approach for SI Engine With Alternator. Proceedings of the IEEE, 2007, 95, 796-805. | 21.3 | 8 |

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| 73 | Control of hydraulic turbine generators using exact feedback linearization. , 2010, , . | | 8 |
| 74 | Continuation/GMRES Method based Nonlinear Model Predictive Control for IC Engines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5697-5702. | 0.4 | 8 |
| 75 | Logical control approach to fuel efficiency optimization for commuting vehicles. International Journal of Automotive Technology, 2017, 18, 535-546. | 1.4 | 8 |
| 76 | Stochastic Knock Control with Beta Distribution Learning for Gasoline Engines. IFAC-PapersOnLine, 2018, 51, 125-130. | 0.9 | 8 |
| 77 | Lyapunov-Based Nonlinear Feedback Control Design for Exhaust Gas Recirculation Loop of Gasoline Engines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, . | 1.6 | 8 |
| 78 | Normal-gamma distribution-based stochastic knock probability control scheme for spark-ignition engines. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 1986-2000. | 1.9 | 8 |
| 79 | Model-Free Reinforcement Learning by Embedding an Auxiliary System for Optimal Control of Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1520-1534. | 11.3 | 8 |
| 80 | Receding horizon optimal control of HEVs with on-board prediction of driver's power demand. IET Intelligent Transport Systems, 2020, 14, 1534-1545. | 3.0 | 8 |
| 81 | Individual A/F Control with Fuel-Gas Ratio Estimation for Multi-cylinder IC Engines. Proceedings of the American Control Conference, 2007, , . | 0.0 | 7 |
| 82 | Cyclic moving average control approach to cylinder pressure and its experimental validation. Journal of Control Theory and Applications, 2009, 7, 345-351. | 0.8 | 7 |
| 83 | Regenerative braking torque estimation and control approaches for a hybrid electric truck. , 2010, , . | | 7 |
| 84 | Nonlinear model predictive torque control for IC engines. , 2014, , . | | 7 |
| 85 | Combustion Phase Control of SI Gasoline Engines Using Hypothesis Test. IFAC-PapersOnLine, 2015, 48, 153-158. | 0.9 | 7 |
| 86 | Design and Validation of a Model-Based Starting Speed Control Scheme for Spark Ignition Engines. Asian Journal of Control, 2015, 17, 1255-1266. | 3.0 | 7 |
| 87 | Real-time scenario-based stochastic optimal energy management strategy for HEVs. , 2016, , . | | 7 |
| 88 | Adaptive Lean Air-Fuel Ratio Control and Analysis of Commercial Gasoline Engines. IFAC-PapersOnLine, 2018, 51, 423-428. | 0.9 | 7 |
| 89 | Dynamical model of HEV with two planetary gear units and its application to optimization of energy consumption. Science China Information Sciences, 2019, 62, 1. | 4.3 | 7 |
| 90 | Chaos theory-based time series analysis of in-cylinder pressure and its application in combustion control of SI engines. Journal of Thermal Science and Technology, 2020, 15, JTST0001-JTST0001. | 1.1 | 7 |

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| 91 | 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 |
| 92 | Robust nonlinear excitation control with L_2 disturbance attenuation for power systems. , 0, , . | | 6 |
| 93 | Stochastic adaptive air-fuel ratio control of spark ignition engines. IEEJ Transactions on Electrical and Electronic Engineering, 2014, 9, 442-447. | 1.4 | 6 |
| 94 | Nonlinear Constrained Torque Control For Gasoline Engines. IFAC-PapersOnLine, 2016, 49, 784-789. | 0.9 | 6 |
| 95 | Cyclic model based generalized predictive control of air-fuel ratio for gasoline engines. Journal of Thermal Science and Technology, 2016, 11, JTST0009-JTST0009. | 1.1 | 6 |
| 96 | A greedy navigation and subtle obstacle avoidance algorithm for USV using reinforcement learning. , 2019, , . | | 6 |
| 97 | A Real-Time Energy Management Strategy for Parallel HEVs with MPC. , 2019, , . | | 6 |
| 98 | Improvement of printing accuracy via web handling control in multi-colors printing machines. , 2007, , . | | 5 |
| 99 | State feedback stabilization of cascaded nonlinear systems with discontinuous connection. Journal of Control Theory and Applications, 2008, 6, 45-52. | 0.8 | 5 |
| 100 | Air-fuel ratio control with stochastic L_2 disturbance attenuation in gasoline engines. Journal of Control Theory and Applications, 2013, 11, 586-591. | 0.8 | 5 |
| 101 | Model predictive control of gasoline engines with nonlinear feedback linearized model. , 2014, , . | | 5 |
| 102 | Conservation law-based air mass flow calculation in engine intake systems. Science China Information Sciences, 2016, 59, 1. | 4.3 | 5 |
| 103 | Chance-Constrained Optimization for Torque Tracking Control with Improving Fuel Economy in Spark-Ignition Engines. SICE Journal of Control Measurement and System Integration, 2018, 11, 365-371. | 0.7 | 5 |
| 104 | Distributed optimal energy consumption control of HEVs under MFG-based speed consensus. Control Theory and Technology, 2020, 18, 193-203. | 1.6 | 5 |
| 105 | Beta-Distribution-Based Knock Probability Estimation, Control Scheme, and Experimental Validation for SI Engines. IEEE Transactions on Control Systems Technology, 2021, 29, 918-925. | 5.2 | 5 |
| 106 | Nonlinear observer-based exhaust manifold pressure estimation and fault detection for gasoline engines with exhaust gas recirculation. International Journal of Engine Research, 2021, 22, 1377-1392. | 2.3 | 5 |
| 107 | Nonlinear Robust Link Space Control for an Electrical Stewart Platform. , 2006, , . | | 4 |
| 108 | L_{∞} -gain analysis and feedback design for discontinuous time-delay systems based on functional differential inclusion. , 2009, , . | | 4 |

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| 109 | Lyapunov-based feedback design and experimental verification of IC engine speed control. International Journal of Control, Automation and Systems, 2009, 7, 659-667. | 2.7 | 4 |
| 110 | Nonlinear Speed Control Scheme and Its Stability Analysis for SI Engines. SICE Journal of Control Measurement and System Integration, 2010, 3, 43-49. | 0.7 | 4 |
| 111 | Tuning of nonlinear model predictive controller for the speed control of spark ignition engines. , 2013, , . | | 4 |
| 112 | A Torque Demand Strategy of IC Engines for Fuel Consumption Improvement using Traffic Information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 700-705. | 0.4 | 4 |
| 113 | Energy management strategy design for plug-in hybrid electric vehicles with continuation/GMRES algorithm. , 2015, , . | | 4 |
| 114 | Cylinder pressure sensorâ€based realâ€time combustion phase control approach for SI engines. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 244-250. | 1.4 | 4 |
| 115 | Combustion Variation Feedback Control Approach for Multi-cylinder Spark Ignition Engines. IFAC-PapersOnLine, 2018, 51, 105-110. | 0.9 | 4 |
| 116 | Combustion Variation Control Strategy with Thermal Efficiency Optimization Consideration in Lean Condition. IFAC-PapersOnLine, 2019, 52, 618-623. | 0.9 | 4 |
| 117 | Symbol-sequence statistics-based cylinder-to-cylinder variation control in spark-ignition engines. Applied Energy, 2020, 261, 114406. | 10.1 | 4 |
| 118 | Modeling of engine thermal dynamics and its application in energy management of HEVs considering engine warming-up. International Journal of Engine Research, 2023, 24, 147-160. | 2.3 | 4 |
| 119 | Realâ€time control algorithm for minimising energy consumption in parallel hybrid electric vehicles. IET Electrical Systems in Transportation, 2020, 10, 331-340. | 2.4 | 4 |
| 120 | MPC-Based Optimal Control for Diesel Engine Coupled with Lean NOx Trap System. SICE Journal of Control Measurement and System Integration, 2019, 12, 94-101. | 0.7 | 4 |
| 121 | Globally Robust Stabilization of Nonlinear Systems Having Relative Degree One via Passivity Theory. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 577-583. | 0.2 | 4 |
| 122 | EV bus system control strategy design with consideration of battery lifetime model. , 2012, , . | | 3 |
| 123 | Modeling and Experimental Validation of Air-Fuel Ratio under Individual Cylinder Fuel Injection in Gasoline Engines. IEEJ Journal of Industry Applications, 2012, 1, 155-163. | 1.1 | 3 |
| 124 | Feedback stabilization for a class of discontinuous systems driven by integrator. Journal of Control Theory and Applications, 2013, 11, 268-274. | 0.8 | 3 |
| 125 | Common Quadratic Lyapunov Function for Two Classes of Special Switched Linear Systems. IEICE Transactions on Information and Systems, 2014, E97.D, 175-183. | 0.7 | 3 |
| 126 | MPC-Based Speed Tracking Control Design for Spark-Ignition Engines. SICE Journal of Control Measurement and System Integration, 2015, 8, 201-208. | 0.7 | 3 |

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|-----|--|-----|-----------|
| 127 | Adaptive time delay compensation for air-fuel ratio control of a port injection SI engine. , 2015, , . | | 3 |
| 128 | On-Board map learning-based combustion phase control in spark ignition engines. , 2017, , . | | 3 |
| 129 | Experimental comparisons between LQR and MPC for spark-ignition engine control problem. , 2017, , . | | 3 |
| 130 | Look-Ahead Traffic-Based Optimal Velocity Planning for Parallel HEVs. IFAC-PapersOnLine, 2019, 52, 580-585. | 0.9 | 3 |
| 131 | Route-dependent optimal control of the after-treatment system of diesel engines. International Journal of Engine Research, 2021, 22, 64-76. | 2.3 | 3 |
| 132 | Stability and Feedback Design of a Class of Time-Delay Systems with Discontinuity: Functional Differential Inclusion-Based Approach. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 1108-1114. | 0.2 | 3 |
| 133 | A Design Method of Adaptive Robust Controller for Nonlinear Systems with Modelling Errors. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 1388-1394. | 0.2 | 3 |
| 134 | Robust Feedback Design of Cascaded Nonlinear Systems with Structural Uncertainty. IEEJ Transactions on Electronics, Information and Systems, 2000, 120, 692-698. | 0.2 | 3 |
| 135 | Stabilizing Control Design for a Class of Discontinuous Systems. Transactions of the Society of Instrument and Control Engineers, 2005, 41, 564-571. | 0.2 | 3 |
| 136 | Adaptive Robust Stabilization of Cascaded Nonlinear Systems with Uncertain Time-Delay. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 337-343. | 0.2 | 3 |
| 137 | Robust almost disturbance decoupling for nonlinear systems with structural uncertainty. , 0, , . | | 2 |
| 138 | Robust transient stabilization of a synchronous generator with parameter uncertainty. , 2003, , . | | 2 |
| 139 | Domination Design of Robust Adaptive Controller of Nonlinear Time-Delay Systems based on Lyapunov-Razumikhin Function. , 2006, , . | | 2 |
| 140 | Individual A/F Estimation and Control for Multi-cylinder IC Engines. , 2006, , . | | 2 |
| 141 | Input constrained positioning control for a class of Euler-Lagrange systems with discontinuities. , 2007, , . | | 2 |
| 142 | Nonlinear Torque Estimation for Vehicular Electrical Machines and Its Application in Engine Speed Control. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , . | 0.0 | 2 |
| 143 | Load torque analysis based on the integrated model of HPAS systems. , 2008, , . | | 2 |
| 144 | Modeling and Control of Individual Cylinder Air-Fuel Ratio in Multi-Cylinder Engine with Single Sensor. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2008, 74, 324-331. | 0.2 | 2 |

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| 145 | Iterative learning-based air-fuel control of gasoline engines with unknown off-set. , 2012, , . | | 2 |
| 146 | Modeling and Control for Engine-in-the-Loop Simulation System. Journal of System Design and Dynamics, 2013, 7, 428-440. | 0.3 | 2 |
| 147 | Nonlinear MPC-based power-assist scheme of internal combustion engines in plug-in hybrid electric vehicles. , 2014, , . | | 2 |
| 148 | D-optimization based mapping calibration of air mass flow in combustion engines. , 2016, , . | | 2 |
| 149 | Neural-network-based vehicle torque demand forecasting. , 2017, , . | | 2 |
| 150 | Optimal control design for lean NOx trap regeneration in diesel engines. , 2017, , . | | 2 |
| 151 | Symbolic Statistical Analysis of Cylinder-to-cylinder Imbalance in Gasoline Engine. IFAC-PapersOnLine, 2018, 51, 63-67. | 0.9 | 2 |
| 152 | Simulation of knock probability in an internal combustion engine. Physical Review E, 2018, 98, 012102. | 2.1 | 2 |
| 153 | Nonlinear observer-based control design and experimental validation for gasoline engines with EGR. Control Theory and Technology, 2019, 17, 216-227. | 1.6 | 2 |
| 154 | Optimal comfortability control of hybrid electric powertrains in acceleration mode. Science China Information Sciences, 2021, 64, 1. | 4.3 | 2 |
| 155 | Robust H^∞ Disturbance Attenuation for Nonlinear Systems with Input Dynamical Uncertainty. IEEJ Transactions on Electronics, Information and Systems, 2002, 122, 980-988. | 0.2 | 2 |
| 156 | Nonlinear Robust H^∞ Control-An Approach Based on Lyapunov Function-. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 1191-1197. | 0.2 | 2 |
| 157 | Adaptive Regulation of Block-Oriented Nonlinear Systems Using Binary Sensors With Applications to Automotive Engine Control. IEEE Transactions on Automatic Control, 2023, 68, 1369-1382. | 5.7 | 2 |
| 158 | Robust dissipativity of nonlinear systems with state dependent uncertainties. , 0, , . | | 1 |
| 159 | Robust feedback design of a class of nonlinear cascaded systems with structural uncertainty. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 3108-3113. | 0.4 | 1 |
| 160 | An Energy-Shaping Approach to the Design of Exciter-Governor Controller for Power Systems. , 2003, , . | | 1 |
| 161 | Robust Tracking Control of Lagrange Systems with Discontinuity: a Filippov-Framework Approach. , 2006, , . | | 1 |
| 162 | Excitation Control Based Energy-Shaping with Direct Mechanical Damping Injection for Transient Stability Improvement of Power Systems. , 2006, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | State Feedback Stabilization of Cascaded Nonlinear Systems with Discontinuous Connection. , 2006, , . | | 1 |
| 164 | A Design Approach for Observer-based Robust Traction Control with PMSM. , 2006, , . | | 1 |
| 165 | Unknown offset free MPC for Air-Fuel Ratio balancing control in multi-cylinder SI engines. , 2010, , . | | 1 |
| 166 | SICE benchmark problem of engine control and a challenging result. , 2012, , . | | 1 |
| 167 | A coordinated braking torque control scheme for hybrid duty trucks with gear shifting. , 2012, , . | | 1 |
| 168 | Notice of Removal Optimal calibration of VVT by extremal seeking in combustion engines. , 2015, , . | | 1 |
| 169 | Notice of Removal Statistical driver behavior-based power management design with stochastic optimization method for parallel HEVs. , 2015, , . | | 1 |
| 170 | Transient control of gasoline engines with C/GMRES. , 2015, , . | | 1 |
| 171 | Notice of Removal Nonlinear adaptive idle speed control design for SI engines. , 2015, , . | | 1 |
| 172 | Notice of Removal Nonlinear MPC-based energy management strategy for HEVs with consideration of vehicle parameter variation. , 2015, , . | | 1 |
| 173 | Stochastic approximation for combustion phase optimization of SI gasoline engines. , 2016, , . | | 1 |
| 174 | A Disturbance Rejection-based Control Framework for SI-CAI Hybrid Combustion in Gasoline Engines. IFAC-PapersOnLine, 2016, 49, 665-672. | 0.9 | 1 |
| 175 | Finite convergence of value iteration algorithm for discounted infinite horizon optimal control of stochastic logical systems. , 2016, , . | | 1 |
| 176 | Simple adaptive air-fuel ratio control for lean combustion of commercial SI engines. , 2016, , . | | 1 |
| 177 | Model predictive control for automotive gasoline engines. , 2017, , . | | 1 |
| 178 | H_{∞} control design with linearized mean-value model of combustion engines. , 2017, , . | | 1 |
| 179 | Combustion phase and RGF control based on multivariate statistical criterion. , 2017, , . | | 1 |
| 180 | Cyclic RGF regulation using adaptive IMC approach and statistical feedback criterion. IFAC-PapersOnLine, 2018, 51, 106-111. | 0.9 | 1 |

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| 181 | Stochastic MPC of diesel engines using traffic information-based prediction of driver's torque demand. IFAC-PapersOnLine, 2018, 51, 626-631. | 0.9 | 1 |
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