

Zhi Liu

List of Publications by Year in descending order

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1932
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impulse Elimination of the Takagi-Sugeno Fuzzy Singular System Via Sliding-Mode Control. IEEE Transactions on Fuzzy Systems, 2022, 30, 1164-1174. | 9.8 | 12 |
| 2 | Predicting Sunspot Numbers Based on Inverse Number and Intelligent Fixed Point. Solar Physics, 2021, 296, 1. | 2.5 | 4 |
| 3 | Observer-Based Adaptive Sliding Mode Control for T-S Fuzzy Singular Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4438-4446. | 9.3 | 36 |
| 4 | Stabilization of singular T-S fuzzy Markovian jump system with mode-dependent derivative-term coefficient via sliding mode control. Applied Mathematics and Computation, 2020, 364, 124643. | 2.2 | 12 |
| 5 | Neural Network Based Adaptive SMO Design for T-S Fuzzy Descriptor Systems. IEEE Transactions on Fuzzy Systems, 2020, 28, 2605-2618. | 9.8 | 9 |
| 6 | Observer-based passive control for polynomial fuzzy singular systems with time-delay via sliding mode control. Nonlinear Analysis: Hybrid Systems, 2020, 37, 100909. | 3.5 | 15 |
| 7 | Adaptive Robust H ∞ Sliding Mode Control for Singular Systems with Time-varying Delay and Uncertain Derivative Matrix. International Journal of Control, Automation and Systems, 2019, 17, 3179-3193. | 2.7 | 9 |
| 8 | Two side observer design for singular distributed parameter systems. Systems and Control Letters, 2019, 124, 112-120. | 2.3 | 4 |
| 9 | The approximation of the T-S fuzzy model for a class of nonlinear singular system with derivative of input. Journal of the Franklin Institute, 2019, 356, 5274-5292. | 3.4 | 5 |
| 10 | The impulse analysis of the T-S fuzzy singular system via Kronecker index. International Journal of Systems Science, 2019, 50, 1327-1337. | 5.5 | 2 |
| 11 | A second-order fuzzy time series model for stock price analysis. Journal of Applied Statistics, 2019, 46, 2514-2526. | 1.3 | 5 |
| 12 | Dynamical analysis and optimal control in a hybrid stochastic double delayed bioeconomic system with impulsive contaminants emission and Lévy jumps. Applied Mathematics and Computation, 2019, 352, 99-118. | 2.2 | 6 |
| 13 | Reduced-Order Observer-Based Sliding Mode Control for Singular Markovian Jump System With Time-Varying Transition Rate. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 796-809. | 5.4 | 38 |
| 14 | Dynamical behavior in a hybrid stochastic triple delayed prey predator bioeconomic system with Lévy jumps. Journal of the Franklin Institute, 2019, 356, 592-628. | 3.4 | 4 |
| 15 | A quicker approximation of the gamma function towards the Windschitl's formula by continued fraction. Ramanujan Journal, 2019, 48, 75-90. | 0.7 | 0 |
| 16 | Fuzzy Reduced-Order Compensator-Based Stabilization for Interconnected Descriptor Systems via Integral Sliding Modes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 752-765. | 9.3 | 44 |
| 17 | Positive filter design for positive piecewise homogeneous Markovian jump T-S fuzzy system. IET Control Theory and Applications, 2019, 13, 1015-1023. | 2.1 | 9 |
| 18 | Novel sliding mode control for multi-input-multi-output discrete-time system with disturbance. International Journal of Robust and Nonlinear Control, 2018, 28, 3033-3055. | 3.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Observer-Based Fuzzy Integral Sliding Mode Control For Nonlinear Descriptor Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2818-2832. | 9.8 | 89 |
| 20 | Sliding mode control for discrete-time descriptor Markovian jump systems with two Markov chains. Optimization Letters, 2018, 12, 1199-1213. | 1.6 | 15 |
| 21 | New semantic descriptor construction for facial expression recognition based on axiomatic fuzzy set. Multimedia Tools and Applications, 2018, 77, 11775-11805. | 3.9 | 4 |
| 22 | Dynamic analysis of a hybrid bioeconomic plankton system with double time delays and stochastic fluctuations. Applied Mathematics and Computation, 2018, 316, 115-137. | 2.2 | 15 |
| 23 | Robust Stabilization of Tâ€‘S Fuzzy Stochastic Descriptor Systems via Integral Sliding Modes. IEEE Transactions on Cybernetics, 2018, 48, 2736-2749. | 9.5 | 67 |
| 24 | Heterogeneous coexistence between cognitive radio networks: a Markovian jump system method. Telecommunication Systems, 2018, 68, 563-572. | 2.5 | 0 |
| 25 | Networked control for Tâ€‘S fuzzy descriptor systems with network-induced delay and packet disordering. Neurocomputing, 2018, 275, 2264-2278. | 5.9 | 17 |
| 26 | A Novel Semantic Approach for Multi-Ethnic Face Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1856005. | 1.2 | 8 |
| 27 | Robust stability and stabilization for descriptor systems with uncertainties in all matrices. International Journal of Robust and Nonlinear Control, 2018, 28, 753-766. | 3.7 | 11 |
| 28 | Eventâ€‘triggered sliding mode control for discreteâ€‘time singular system. IET Control Theory and Applications, 2018, 12, 2390-2398. | 2.1 | 42 |
| 29 | Variable Structure Control for Singular Biological Economic Model with Stage Structure and Uncertain Parameters. , 2018, , . | | 0 |
| 30 | Robust Adaptive Sliding Mode Observer Design for T-S Fuzzy Descriptor Systems With Time-Varying Delay. IEEE Access, 2018, 6, 46002-46018. | 4.2 | 27 |
| 31 | Multi-ethnic Chinese facial characterization and analysis. Multimedia Tools and Applications, 2018, 77, 30311-30329. | 3.9 | 4 |
| 32 | Hâˆž Filtering Problem of Singular Systems with Uncertainties in the Difference Matrix. International Journal of Control, Automation and Systems, 2018, 16, 1207-1216. | 2.7 | 7 |
| 33 | A linear switching function approach to sliding mode control and observation of descriptor systems. Automatica, 2018, 95, 112-121. | 5.0 | 58 |
| 34 | Sliding mode control for polynomial fuzzy singular systems with time delay. IET Control Theory and Applications, 2018, 12, 1483-1490. | 2.1 | 13 |
| 35 | Sliding mode control for Tâ€‘S fuzzy singular semi-Markovian jump system. Nonlinear Analysis: Hybrid Systems, 2018, 30, 72-91. | 3.5 | 38 |
| 36 | Sliding mode control and sampling rate strategy for Networked control systems with packet disordering via Markov chain prediction. ISA Transactions, 2018, 83, 1-12. | 5.7 | 14 |

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| 37 | Adaptive sliding mode control for T-S fuzzy descriptor systems. , 2018, , . | | 1 |
| 38 | Admissibility analysis of interval type-2 uncertain stochastic descriptor systems. Neurocomputing, 2018, 311, 387-396. | 5.9 | 3 |
| 39 | Robust H_∞ sliding mode observer design for a class of Takagi-Sugeno fuzzy descriptor systems with time-varying delay. Applied Mathematics and Computation, 2018, 337, 158-178. | 2.2 | 52 |
| 40 | Dissipativity Analysis and Synthesis for a Class of T-S Fuzzy Descriptor Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1774-1784. | 9.3 | 65 |
| 41 | Admissibility Analysis and Control Synthesis for T-S Fuzzy Descriptor Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 729-740. | 9.8 | 49 |
| 42 | An improved robust finite-time dissipative control for uncertain fuzzy descriptor systems with disturbance. International Journal of Systems Science, 2017, 48, 1581-1596. | 5.5 | 12 |
| 43 | Dynamical analysis in a hybrid bioeconomic system with multiple time delays and strong Allee effect. Mathematics and Computers in Simulation, 2017, 136, 104-131. | 4.4 | 8 |
| 44 | Sliding mode control for singular stochastic Markovian jump systems with uncertainties. Automatica, 2017, 79, 27-34. | 5.0 | 124 |
| 45 | A new design of sliding mode control for Markovian jump systems based on stochastic sliding surface. Information Sciences, 2017, 391-392, 9-27. | 6.9 | 25 |
| 46 | Data-based controllability analysis for generalised linear discrete-time system. International Journal of Systems Science, 2017, 48, 2104-2110. | 5.5 | 2 |
| 47 | Dynamical analysis in a bioeconomic phytoplankton zooplankton system with double time delays and environmental stochasticity. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 682-698. | 2.6 | 13 |
| 48 | Robust decentralised stabilisation of uncertain large-scale interconnected nonlinear descriptor systems via proportional plus derivative feedback. International Journal of Systems Science, 2017, 48, 2997-3006. | 5.5 | 21 |
| 49 | Dissipative analysis for nonlinear singular systems with time-delay. International Journal of Control, Automation and Systems, 2017, 15, 2461-2470. | 2.7 | 4 |
| 50 | A New Approximation of the Gamma Function by Expanding the Windschitl's formula. Results in Mathematics, 2017, 72, 2227-2239. | 0.8 | 0 |
| 51 | Positivity and stability of positive singular Markovian jump time-delay systems with partially unknown transition rates. Journal of the Franklin Institute, 2017, 354, 627-649. | 3.4 | 30 |
| 52 | Integral sliding mode control for Markovian jump T-S fuzzy descriptor systems based on the super-twisting algorithm. IET Control Theory and Applications, 2017, 11, 1134-1143. | 2.1 | 90 |
| 53 | A partially delay-dependent and disordered controller design for discrete-time delayed systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2646-2668. | 3.7 | 21 |
| 54 | Decentralised Sliding Mode Control for Nonlinear Interconnected Systems in the Generalised Regular Form. IFAC-PapersOnLine, 2017, 50, 8850-8855. | 0.9 | 1 |

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| 55 | Sliding mode control for nonlinear networked control systems subject to packet disordering via prediction method. IET Control Theory and Applications, 2017, 11, 3079-3088. | 2.1 | 8 |
| 56 | Variable structure control for Markovian jump T-S fuzzy descriptor systems. , 2017, , . | | 2 |
| 57 | Design of adaptively integral sliding mode controllers for delayed linear systems with mismatched uncertainties: A delay partitioning approach. , 2017, , . | | 0 |
| 58 | Positive \mathcal{L}_1 State-Bounding Observer Design for Positive Interval Markovian Jump Systems. Mathematical Problems in Engineering, 2016, 2016, 1-9. | 1.1 | 2 |
| 59 | Advanced Control of Complex Dynamical Systems with Applications. Mathematical Problems in Engineering, 2016, 2016, 1-2. | 1.1 | 0 |
| 60 | Optimal Harvest Control in a Singular Prey-Predator Fishery Model with Maturation Delay and Gestation Delay. Discrete Dynamics in Nature and Society, 2016, 2016, 1-9. | 0.9 | 1 |
| 61 | Incremental SQP method for constrained optimization formulation in SLAM. , 2016, , . | | 5 |
| 62 | Fuzzy neuro observer-based control for nonlinear descriptor systems in the sense of practical and finite-time stability. , 2016, , . | | 1 |
| 63 | Stability and exact observability of discrete stochastic singular systems based on generalised Lyapunov equations. IET Control Theory and Applications, 2016, 10, 971-980. | 2.1 | 24 |
| 64 | Modeling boycianaâ€‘fishâ€‘human interaction with partial differential algebraic equations. Mathematical Biosciences, 2016, 277, 141-152. | 1.9 | 3 |
| 65 | Static output feedback sliding mode control for stochastic descriptor systems. , 2016, , . | | 2 |
| 66 | Finite-time synchronization for second-order nonlinear multi-agent system via pinning exponent sliding mode control. ISA Transactions, 2016, 65, 96-108. | 5.7 | 44 |
| 67 | OPTIMAL HARVESTING OF FISHING AQUACULTURE IN THE ENVIRONMENT WITH PRYMNESIACEE TOXIN. Journal of Biological Systems, 2016, 24, 237-255. | 1.4 | 1 |
| 68 | Delay integral sliding mode control design of T-S fuzzy stochastic descriptor systems. , 2016, , . | | 0 |
| 69 | Stabilization of discrete-time singular Markovian jump repeated vector nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 1777-1793. | 3.7 | 19 |
| 70 | Dynamical analysis of a differential algebraic bio-economic model with stage-structured and stochastic fluctuations. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 222-229. | 2.6 | 18 |
| 71 | Delay-dependent H_∞ control for a class of uncertain time-delay singular Markovian jump systems via hybrid impulsive control. International Journal of Control, Automation and Systems, 2016, 14, 939-947. | 2.7 | 8 |
| 72 | Dissipative control for a class of nonlinear descriptor systems. International Journal of Systems Science, 2016, 47, 1110-1120. | 5.5 | 5 |

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| 73 | Novel sliding surface design for nonlinear singular systems. Neurocomputing, 2016, 177, 497-508. | 5.9 | 14 |
| 74 | Robust stability analysis and stabilisation of uncertain neutral singular systems. International Journal of Systems Science, 2016, 47, 3762-3771. | 5.5 | 19 |
| 75 | H^∞ filtering for piecewise homogeneous Markovian jump nonlinear systems. International Journal of Systems Science, 2016, 47, 3258-3271. | 5.5 | 6 |
| 76 | Delay-dependent adaptive dynamic surface control for nonlinear strict-feedback delayed systems with unknown dead zone. Journal of the Franklin Institute, 2016, 353, 279-302. | 3.4 | 22 |
| 77 | Controllability and dissipativity analysis for linear systems with derivative input. Journal of the Franklin Institute, 2016, 353, 478-499. | 3.4 | 3 |
| 78 | Modeling and analysis in a prey-predator system with commercial harvesting and double time delays. Applied Mathematics and Computation, 2016, 281, 77-101. | 2.2 | 22 |
| 79 | An integral sliding mode control approach to observer-based stabilization of stochastic Itô descriptor systems. Neurocomputing, 2016, 173, 1330-1340. | 5.9 | 43 |
| 80 | Adaptive fuzzy fault-tolerant control with guaranteed tracking performance for nonlinear strict-feedback systems. Fuzzy Sets and Systems, 2016, 302, 82-100. | 2.7 | 98 |
| 81 | Fault detection for stochastic parameter-varying Markovian jump systems with application to networked control systems. Applied Mathematical Modelling, 2016, 40, 2368-2383. | 4.2 | 105 |
| 82 | Robust dissipative filtering for a kind of T-S fuzzy descriptor system with immeasurable premise variables. International Journal of Systems Science, 2016, 47, 265-282. | 5.5 | 9 |
| 83 | Finite-time H^∞ overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>\hat{\infty}</mml:mi></mml:mrow></mml:msub></mml:mrow> filtering for singular Markovian jump systems with partly unknown transition rates. Applied Mathematical Modelling, 2016, 40, 302-314. | 4.2 | 31 |
| 84 | Robust normalization and guaranteed cost control for a class of uncertain singular Markovian jump systems via hybrid impulsive control. International Journal of Robust and Nonlinear Control, 2015, 25, 987-1006. | 3.7 | 16 |
| 85 | Exponential stability of stochastic singular delay systems with general Markovian switchings. International Journal of Robust and Nonlinear Control, 2015, 25, 3478-3494. | 3.7 | 27 |
| 86 | Output Strictly Passive Control of Uncertain Singular Neutral Systems. Mathematical Problems in Engineering, 2015, 2015, 1-12. | 1.1 | 4 |
| 87 | H^∞ Control for Nonlinear Singular Markovian Jump Systems with Time Delay. Mathematical Problems in Engineering, 2015, 2015, 1-13. | 1.1 | 0 |
| 88 | Complex Dynamics in a Singular Delayed Bioeconomic Model with and without Stochastic Fluctuation. Discrete Dynamics in Nature and Society, 2015, 2015, 1-15. | 0.9 | 6 |
| 89 | Fuzzy Stochastic Optimal Guaranteed Cost Control of Bio-Economic Singular Markovian Jump Systems. IEEE Transactions on Cybernetics, 2015, 45, 2512-2521. | 9.5 | 94 |
| 90 | H^∞ control via dynamic output feedback for positive systems with multiple delays. IET Control Theory and Applications, 2015, 9, 2574-2580. | 2.1 | 16 |

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| 91 | H_∞ filtering for a class of singular biological systems. IET Control Theory and Applications, 2015, 9, 2047-2055. | 2.1 | 14 |
| 92 | Stochastic stability and stabilization of discrete-time singular Markovian jump systems with partially unknown transition probabilities. International Journal of Robust and Nonlinear Control, 2015, 25, 1423-1437. | 3.7 | 14 |
| 93 | Robust finite-time dissipative control for fuzzy descriptor systems with uncertainties and disturbances. , 2015, , . | | 3 |
| 94 | Sliding mode control for descriptor Markovian jump systems with mode-dependent derivative-term coefficient. Nonlinear Dynamics, 2015, 82, 465-480. | 5.2 | 24 |
| 95 | Hopf analysis of a differential-algebraic predator-prey model with Allee effect and time delay. International Journal of Biomathematics, 2015, 08, 1550041. | 2.9 | 3 |
| 96 | Adaptive control of singular Markovian jump systems with uncertain switchings. IET Control Theory and Applications, 2015, 9, 1766-1773. | 2.1 | 6 |
| 97 | Simultaneous robust normalization and delay-dependent robust H_∞ stabilization for singular time-delay systems with uncertainties in the derivative matrices. International Journal of Robust and Nonlinear Control, 2015, 25, 3528-3545. | 3.7 | 22 |
| 98 | Finite-time fuzzy stabilisation and control for nonlinear descriptor systems with non-zero initial state. International Journal of Systems Science, 2015, 46, 364-376. | 5.5 | 9 |
| 99 | Stabilisation of descriptor Markovian jump systems with partially unknown transition probabilities. International Journal of Systems Science, 2015, 46, 218-226. | 5.5 | 10 |
| 100 | Memoryless variable structure control for affine nonlinear systems using only output information. International Journal of Robust and Nonlinear Control, 2015, 25, 3316-3329. | 3.7 | 9 |
| 101 | H_∞ control for discrete-time singular Markovian jump systems based on the novel bounded real lemma. International Journal of Systems Science, 2015, 46, 63-75. | 5.5 | 15 |
| 102 | H_∞ filtering for stochastic singular fuzzy systems with time-varying delay. Nonlinear Dynamics, 2015, 79, 215-228. | 5.2 | 31 |
| 103 | Eliminating Impulse for Descriptor System by Derivative Output Feedback. Journal of Applied Mathematics, 2014, 2014, 1-15. | 0.9 | 2 |
| 104 | Stability and Bifurcation Analysis of a Singular Delayed Predator-Prey Bioeconomic Model with Stochastic Fluctuations. Mathematical Problems in Engineering, 2014, 2014, 1-8. | 1.1 | 4 |
| 105 | Reliable control for discrete-time Markovian jump systems with partly unknown transition probabilities. , 2014, , . | | 1 |
| 106 | A generalized robust H_∞ filtering for singular Markovian jump systems and its applications. International Journal of Robust and Nonlinear Control, 2014, 24, 3491-3507. | 3.7 | 28 |
| 107 | H_∞ filtering for a class of stochastic time-delay nonlinear systems. , 2014, , . | | 0 |
| 108 | Positivity analysis for discrete-time descriptor systems with time delays. , 2014, , . | | 2 |

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| 109 | Robust exponential synchronization for neutral complex networks with discrete and distributed time-varying delays: A descriptor model transformation method. Optimal Control Applications and Methods, 2014, 35, 676-695. | 2.1 | 23 |
| 110 | Dynamical analysis of a stage-structured prey predator model with harvest effort and multiple time delays. , 2014, , . | | 0 |
| 111 | Robust finite-time H_∞ control for uncertain singular stochastic Markovian jump systems via proportional differential control law. IET Control Theory and Applications, 2014, 8, 1625-1638. | 2.1 | 14 |
| 112 | Input-to-state stability of a class of descriptor systems. International Journal of Robust and Nonlinear Control, 2014, 24, 97-109. | 3.7 | 11 |
| 113 | Stochastic input to state stability and H_∞ control for uncertain singular stochastic Markovian jump systems via proportional differential control law. IET Control Theory and Applications, 2014, 8, 1625-1638. | 2.2 | 8 |
| 114 | Stability analysis and optimal control of stochastic singular systems. Optimization Letters, 2014, 8, 1905-1920. | 1.6 | 40 |
| 115 | A delay decomposition approach to H_∞ control for uncertain singular stochastic Markovian jump systems via proportional differential control law. Information Sciences, 2014, 279, 893-905. | 6.9 | 18 |
| 116 | Complex dynamics in a singular Leslie-Gower predator-prey bioeconomic model with time delay and stochastic fluctuations. Physica A: Statistical Mechanics and Its Applications, 2014, 404, 180-191. | 2.6 | 22 |
| 117 | Face recognition based on regression analysis using frequency features. , 2014, , . | | 2 |
| 118 | Positivity of Continuous-Time Descriptor Systems With Time Delays. IEEE Transactions on Automatic Control, 2014, 59, 3093-3097. | 5.7 | 25 |
| 119 | Dynamical analysis of a delayed singular prey-predator economic model with stochastic fluctuations. Complexity, 2014, 19, 23-29. | 1.6 | 12 |
| 120 | H_∞ fuzzy control for nonlinear time-delay singular Markovian jump systems with partly unknown transition rates. Fuzzy Sets and Systems, 2014, 254, 106-125. | 2.7 | 46 |
| 121 | Stabilisation bound of stochastic singularly perturbed systems with Markovian switching by noise control. IET Control Theory and Applications, 2014, 8, 367-374. | 2.1 | 17 |
| 122 | Decentralised Observation Using Higher Order Sliding Mode Techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4613-4618. | 0.4 | 3 |
| 123 | Robust stability of singularly perturbed descriptor systems with uncertain Markovian switchings and nonlinear perturbations. Optimal Control Applications and Methods, 2014, 35, 89-109. | 2.1 | 13 |
| 124 | Reliable control for discrete-time Markovian jump singular systems with partly unknown transition probabilities. , 2014, , . | | 0 |
| 125 | Nonlinear observers for a class of nonlinear descriptor systems. Optimal Control Applications and Methods, 2013, 34, 348-363. | 2.1 | 15 |
| 126 | Exponential H_∞ filtering for singular systems with Markovian jump parameters. International Journal of Robust and Nonlinear Control, 2013, 23, 792-806. | 3.7 | 53 |

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| 127 | Input-to-state stability of a class of Lur'e descriptor systems. International Journal of Robust and Nonlinear Control, 2013, 23, 1324-1337. | 3.7 | 6 |
| 128 | Stabilization of linear systems with time-varying delays. International Journal of Robust and Nonlinear Control, 2013, 23, 1581-1596. | 3.7 | 4 |
| 129 | An Impulsive Multi-delayed Feedback Control Method for Stabilizing Discrete Chaotic Systems. Nonlinear Dynamics, 2013, 73, 1187-1199. | 5.2 | 20 |
| 130 | Practical and finite-time fuzzy adaptive control for nonlinear descriptor systems with uncertainties of unknown bound. International Journal of Systems Science, 2013, 44, 2223-2233. | 5.5 | 15 |
| 131 | Variable structure control for three-variable autocatalytic reaction. Journal of Control Theory and Applications, 2013, 11, 393-400. | 0.8 | 1 |
| 132 | Admissibility for positive continuous-time descriptor systems. International Journal of Systems Science, 2013, 44, 2158-2165. | 5.5 | 13 |
| 133 | Observer design for a class of nonlinear descriptor systems. Journal of the Franklin Institute, 2013, 350, 1284-1297. | 3.4 | 15 |
| 134 | Lyapunov Stability and Strong Passivity Analysis for Nonlinear Descriptor Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1003-1012. | 5.4 | 36 |
| 135 | CHAOS ANALYSIS AND CONTROL FOR A CLASS OF SIR EPIDEMIC MODEL WITH SEASONAL FLUCTUATION. International Journal of Biomathematics, 2013, 06, 1250063. | 2.9 | 9 |
| 136 | Positive real control for descriptor systems with uncertainties in the derivative matrix via a proportional plus derivative feedback. International Journal of Systems Science, 2013, 44, 450-460. | 5.5 | 18 |
| 137 | Stabilization for Networked Control Systems with Random Sampling Periods. Journal of Applied Mathematics, 2013, 2013, 1-14. | 0.9 | 2 |
| 138 | H ∞ Control for Linear Positive Discrete-Time Systems. Journal of Applied Mathematics, 2013, 2013, 1-7. | 0.9 | 1 |
| 139 | Nonfragile Guaranteed Cost Control and Optimization for Interconnected Systems of Neutral Type. Mathematical Problems in Engineering, 2013, 2013, 1-15. | 1.1 | 0 |
| 140 | Finite-Time Stability Analysis and Control for a Class of Stochastic Singular Biological Economic Systems Based on T-S Fuzzy Model. Abstract and Applied Analysis, 2013, 2013, 1-10. | 0.7 | 13 |
| 141 | Exponential synchronisation of united complex dynamical networks with multi-links via adaptive periodically intermittent control. IET Control Theory and Applications, 2013, 7, 1725-1736. | 2.1 | 42 |
| 142 | Observer-Based Decentralized Control for Uncertain Interconnected Systems of Neutral Type. Mathematical Problems in Engineering, 2013, 2013, 1-12. | 1.1 | 2 |
| 143 | Delay-Dependent Control for Descriptor Markovian Jump Systems with Time-Varying Delay. Journal of Applied Mathematics, 2013, 2013, 1-16. | 0.9 | 0 |
| 144 | Stability bound analysis of singularly perturbed systems with time-delay. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 505-511. | 0.7 | 5 |

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| 145 | Singular Value Decomposition-Based Method for Sliding Mode Control and Optimization of Nonlinear Neutral Systems. Journal of Applied Mathematics, 2013, 2013, 1-11. | 0.9 | 2 |
| 146 | Stability Bound Analysis and Synthesis for Singularly Perturbed Systems with Time-Varying Delay. Mathematical Problems in Engineering, 2013, 2013, 1-8. | 1.1 | 10 |
| 147 | Sampling rate tracking control of networked control systems based on cognitive knowledge of packet disordering. , 2013, , . | | 0 |
| 148 | Novel compensation-based non-fragile H_∞ control for uncertain neutral systems with time-varying delays. International Journal of Systems Science, 2012, 43, 961-971. | 5.5 | 11 |
| 149 | DYNAMICAL ANALYSIS AND CONTROL IN A DELAYED DIFFERENTIAL-ALGEBRAIC BIO-ECONOMIC MODEL WITH STAGE STRUCTURE AND DIFFUSION. International Journal of Biomathematics, 2012, 05, 1250010. | 2.9 | 7 |
| 150 | Stability and Bifurcation of a Delayed Singular Prey-Predator Economic Model. , 2012, , . | | 0 |
| 151 | Decentralized non-fragile guaranteed cost control and optimization for neutral interconnected systems. , 2012, , . | | 0 |
| 152 | The Analysis and Control for Singular Ecological-Economic Model with Harvesting and Migration. Journal of Applied Mathematics, 2012, 2012, 1-17. | 0.9 | 3 |
| 153 | Dynamical behavior of a class of prey-predator system with impulsive state feedback control and Beddington-DeAngelis functional response. Nonlinear Dynamics, 2012, 70, 1511-1522. | 5.2 | 6 |
| 154 | Robust H_∞ control of Markovian jump systems with uncertain switching probabilities. Asian Journal of Control, 2012, 14, 1407-1410. | 3.0 | 15 |
| 155 | H_∞ Observer Design for Descriptor Systems with Slope-Restricted Nonlinearities. Asian Journal of Control, 2012, 14, 1133-1140. | 3.0 | 5 |
| 156 | Dissipative control for singular Markovian jump systems with time delay. Optimal Control Applications and Methods, 2012, 33, 415-432. | 2.1 | 36 |
| 157 | H_∞ control of networked control systems with state quantisation. International Journal of Systems Science, 2011, 42, 959-966. | 5.5 | 17 |
| 158 | Optimal control in a differential-algebraic bio-economical model. , 2011, , . | | 0 |
| 159 | The dynamics and control of a harvested differential-algebraic prey-predator model. , 2011, , . | | 3 |
| 160 | Exponential stability and L_2 -gain analysis for a class of faulty systems. International Journal of Systems Science, 2011, 42, 377-387. | 5.5 | 2 |
| 161 | Globally asymptotical stability for descriptor systems with nonlinear perturbations. , 2011, , . | | 0 |
| 162 | Lur'e Lyapunov Function and Absolute Stability Criterion for Lur'e Singularly Perturbed Systems. IEEE Transactions on Automatic Control, 2011, 56, 2666-2671. | 5.7 | 56 |

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| 163 | Robust H_∞ control of norm bounded uncertain systems via Markovian approach. Asian Journal of Control, 2011, 13, 956-965. | 3.0 | 5 |
| 164 | Dynamic behavior in a delayed stage-structured population model with stochastic fluctuation and harvesting. Nonlinear Dynamics, 2011, 66, 231-245. | 5.2 | 36 |
| 165 | A singular bioeconomic model with diffusion and time delay. Journal of Systems Science and Complexity, 2011, 24, 277-290. | 2.8 | 5 |
| 166 | Codimension-two bifurcations analysis and tracking control on a discrete epidemic model. Journal of Systems Science and Complexity, 2011, 24, 1033-1056. | 2.8 | 21 |
| 167 | New delay-dependent robust stability of discrete singular systems with time-varying delay. Asian Journal of Control, 2011, 13, 136-147. | 3.0 | 45 |
| 168 | A new approach to H_∞ output feedback control of singular systems. , 2010, , . | | 0 |
| 169 | Delay-range-dependent H_∞ control for Markovian jump systems with mode-dependent time delays. Asian Journal of Control, 2010, 12, 704-713. | 3.0 | 13 |
| 170 | Delay-dependent robust stabilization for uncertain singular systems with multiple time-varying state delays. Asian Journal of Control, 2010, 12, 734-738. | 3.0 | 6 |
| 171 | Robustness analysis of descriptor systems with parameter uncertainties. International Journal of Control, Automation and Systems, 2010, 8, 204-209. | 2.7 | 12 |
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