

# Zhi Liu

## List of Publications by Year in descending order

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239  
papers

3,562  
citations

145106

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232693

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g-index

239  
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239  
docs citations

239  
times ranked

2141  
citing authors

#	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.	6.5	12
2	Predicting Sunspot Numbers Based on Inverse Number and Intelligent Fixed Point. Solar Physics, 2021, 296, 1.	1.0	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.	5.9	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.	1.4	12
5	Neural Network Based Adaptive SMO Design for T-S Fuzzy Descriptor Systems. IEEE Transactions on Fuzzy Systems, 2020, 28, 2605-2618.	6.5	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.	2.1	15
7	Adaptive Robust H $\infty$ 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.	1.6	9
8	Two side observer design for singular distributed parameter systems. Systems and Control Letters, 2019, 124, 112-120.	1.3	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.	1.9	5
10	The impulse analysis of the T-S fuzzy singular system via Kronecker index. International Journal of Systems Science, 2019, 50, 1327-1337.	3.7	2
11	A second-order fuzzy time series model for stock price analysis. Journal of Applied Statistics, 2019, 46, 2514-2526.	0.6	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.	1.4	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.	3.5	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.	1.9	4
15	A quicker approximation of the gamma function towards the Windschitl's formula by continued fraction. Ramanujan Journal, 2019, 48, 75-90.	0.4	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.	5.9	44
17	Positive filter design for positive piecewise homogeneous Markovian jump T-S fuzzy system. IET Control Theory and Applications, 2019, 13, 1015-1023.	1.2	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.	2.1	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.	6.5	89
20	Sliding mode control for discrete-time descriptor Markovian jump systems with two Markov chains. Optimization Letters, 2018, 12, 1199-1213.	0.9	15
21	New semantic descriptor construction for facial expression recognition based on axiomatic fuzzy set. Multimedia Tools and Applications, 2018, 77, 11775-11805.	2.6	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.	1.4	15
23	Robust Stabilization of T-S Fuzzy Stochastic Descriptor Systems via Integral Sliding Modes. IEEE Transactions on Cybernetics, 2018, 48, 2736-2749.	6.2	67
24	Heterogeneous coexistence between cognitive radio networks: a Markovian jump system method. Telecommunication Systems, 2018, 68, 563-572.	1.6	0
25	Networked control for T-S fuzzy descriptor systems with network-induced delay and packet disordering. Neurocomputing, 2018, 275, 2264-2278.	3.5	17
26	A Novel Semantic Approach for Multi-Ethnic Face Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1856005.	0.7	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.	2.1	11
28	Event-triggered sliding mode control for discrete-time singular system. IET Control Theory and Applications, 2018, 12, 2390-2398.	1.2	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.	2.6	27
31	Multi-ethnic Chinese facial characterization and analysis. Multimedia Tools and Applications, 2018, 77, 30311-30329.	2.6	4
32	H $\infty$ Filtering Problem of Singular Systems with Uncertainties in the Difference Matrix. International Journal of Control, Automation and Systems, 2018, 16, 1207-1216.	1.6	7
33	A linear switching function approach to sliding mode control and observation of descriptor systems. Automatica, 2018, 95, 112-121.	3.0	58
34	Sliding mode control for polynomial fuzzy singular systems with time delay. IET Control Theory and Applications, 2018, 12, 1483-1490.	1.2	13
35	Sliding mode control for T-S fuzzy singular semi-Markovian jump system. Nonlinear Analysis: Hybrid Systems, 2018, 30, 72-91.	2.1	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.	3.1	14

#	ARTICLE	IF	CITATIONS
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.	3.5	3
39	Robust H $\infty$ 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.	1.4	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.	5.9	65
41	Admissibility Analysis and Control Synthesis for T-S Fuzzy Descriptor Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 729-740.	6.5	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.	3.7	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.	2.4	8
44	Sliding mode control for singular stochastic Markovian jump systems with uncertainties. Automatica, 2017, 79, 27-34.	3.0	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.	4.0	25
46	Data-based controllability analysis for generalised linear discrete-time system. International Journal of Systems Science, 2017, 48, 2104-2110.	3.7	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.	1.2	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.	3.7	21
49	Dissipative analysis for nonlinear singular systems with time-delay. International Journal of Control, Automation and Systems, 2017, 15, 2461-2470.	1.6	4
50	A New Approximation of the Gamma Function by Expanding the Windschitl's formula. Results in Mathematics, 2017, 72, 2227-2239.	0.4	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.	1.9	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.	1.2	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.	2.1	21
54	Decentralised Sliding Mode Control for Nonlinear Interconnected Systems in the Generalised Regular Form. IFAC-PapersOnLine, 2017, 50, 8850-8855.	0.5	1

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55	Sliding mode control for non-linear networked control systems subject to packet disordering via prediction method. IET Control Theory and Applications, 2017, 11, 3079-3088.	1.2	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 $\  \cdot \ $ State-Bounding Observer Design for Positive Interval Markovian Jump Systems. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	2
59	Advanced Control of Complex Dynamical Systems with Applications. Mathematical Problems in Engineering, 2016, 2016, 1-2.	0.6	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.	0.5	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.	1.2	24
64	Modeling boycianaâ€“fishâ€“human interaction with partial differential algebraic equations. Mathematical Biosciences, 2016, 277, 141-152.	0.9	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.	3.1	44
67	OPTIMAL HARVESTING OF FISHING AQUACULTURE IN THE ENVIRONMENT WITH PRYMNESIACEE TOXIN. Journal of Biological Systems, 2016, 24, 237-255.	0.5	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.	2.1	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.	1.2	18
71	Delay-dependent $H_\infty$ 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.	1.6	8
72	Dissipative control for a class of nonlinear descriptor systems. International Journal of Systems Science, 2016, 47, 1110-1120.	3.7	5

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73	Novel sliding surface design for nonlinear singular systems. Neurocomputing, 2016, 177, 497-508.	3.5	14
74	Robust stability analysis and stabilisation of uncertain neutral singular systems. International Journal of Systems Science, 2016, 47, 3762-3771.	3.7	19
75	$H^\infty$ filtering for piecewise homogeneous Markovian jump nonlinear systems. International Journal of Systems Science, 2016, 47, 3258-3271.	3.7	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.	1.9	22
77	Controllability and dissipativity analysis for linear systems with derivative input. Journal of the Franklin Institute, 2016, 353, 478-499.	1.9	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.	1.4	22
79	An integral sliding mode control approach to observer-based stabilization of stochastic Itô descriptor systems. Neurocomputing, 2016, 173, 1330-1340.	3.5	43
80	Adaptive fuzzy fault-tolerant control with guaranteed tracking performance for nonlinear strict-feedback systems. Fuzzy Sets and Systems, 2016, 302, 82-100.	1.6	98
81	Fault detection for stochastic parameter-varying Markovian jump systems with application to networked control systems. Applied Mathematical Modelling, 2016, 40, 2368-2383.	2.2	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.	3.7	9
83	Finite-time $H^\infty$ overflow="scroll"> < mml:mrow> < mml:mrow> < mml:mi>H</mml:mi> </mml:mrow> < mml:mrow> < mml:mi>âž</mml:mi> </mml:mrow> </mml:mrow> filtering for singular Markovian jump systems with partly unknown transition rates. Applied Mathematical Modelling, 2016, 40, 302-314.	2.2	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.	2.1	16
85	Exponential stability of stochastic singular delay systems with general Markovian switchings. International Journal of Robust and Nonlinear Control, 2015, 25, 3478-3494.	2.1	27
86	Output Strictly Passive Control of Uncertain Singular Neutral Systems. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	4
87	$H^\infty$ Control for Nonlinear Singular Markovian Jump Systems with Time Delay. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	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.	0.5	6
89	Fuzzy Stochastic Optimal Guaranteed Cost Control of Bio-Economic Singular Markovian Jump Systems. IEEE Transactions on Cybernetics, 2015, 45, 2512-2521.	6.2	94
90	$H^\infty$ control via dynamic output feedback for positive systems with multiple delays. IET Control Theory and Applications, 2015, 9, 2574-2580.	1.2	16

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91	$H^\infty$ filtering for a class of singular biological systems. IET Control Theory and Applications, 2015, 9, 2047-2055.	1.2	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.	2.1	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.	2.7	24
95	Hopf analysis of a differential-algebraic predator-prey model with Allee effect and time delay. International Journal of Biomathematics, 2015, 08, 1550041.	1.5	3
96	Adaptive control of singular Markovian jump systems with uncertain switchings. IET Control Theory and Applications, 2015, 9, 1766-1773.	1.2	6
97	Simultaneous robust normalization and delay-dependent robust $H^\infty$ stabilization for singular time-delay systems with uncertainties in the derivative matrices. International Journal of Robust and Nonlinear Control, 2015, 25, 3528-3545.	2.1	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.	3.7	9
99	Stabilisation of descriptor Markovian jump systems with partially unknown transition probabilities. International Journal of Systems Science, 2015, 46, 218-226.	3.7	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.	2.1	9
101	$H^\infty$ control for discrete-time singular Markovian jump systems based on the novel bounded real lemma. International Journal of Systems Science, 2015, 46, 63-75.	3.7	15
102	$H^\infty$ filtering for stochastic singular fuzzy systems with time-varying delay. Nonlinear Dynamics, 2015, 79, 215-228.	2.7	31
103	Eliminating Impulse for Descriptor System by Derivative Output Feedback. Journal of Applied Mathematics, 2014, 2014, 1-15.	0.4	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.	0.6	4
105	Reliable control for discrete-time Markovian jump systems with partly unknown transition probabilities. , 2014, , .		1
106	A generalized robust $H^\infty$ filtering for singular Markovian jump systems and its applications. International Journal of Robust and Nonlinear Control, 2014, 24, 3491-3507.	2.1	28
107	$H^\infty$ 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.	1.3	23
110	Dynamical analysis of a stage-structured prey predator model with harvest effort and multiple time delays. , 2014, , .		0
111	Robust finite-time $H^\infty$ control for uncertain singular stochastic Markovian jump systems via proportional differential control law. IET Control Theory and Applications, 2014, 8, 1625-1638.	1.2	14
112	Input-to-state stability of a class of descriptor systems. International Journal of Robust and Nonlinear Control, 2014, 24, 97-109.	2.1	11
113	Stochastic input-to-state stability and $H^\infty$ control for uncertain singular stochastic Markovian jump systems via proportional differential control law. IET Control Theory and Applications, 2014, 8, 1625-1638.	1.4	8
114	Stability analysis and optimal control of stochastic singular systems. Optimization Letters, 2014, 8, 1905-1920.	0.9	40
115	A delay decomposition approach to $H^\infty$ control for uncertain singular stochastic Markovian jump systems via proportional differential control law. Information Sciences, 2014, 279, 893-905.	4.0	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.	1.2	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.	3.6	25
119	Dynamical analysis of a delayed singular prey-predator economic model with stochastic fluctuations. Complexity, 2014, 19, 23-29.	0.9	12
120	$H^\infty$ fuzzy control for nonlinear time-delay singular Markovian jump systems with partly unknown transition rates. Fuzzy Sets and Systems, 2014, 254, 106-125.	1.6	46
121	Stabilisation bound of stochastic singularly perturbed systems with Markovian switching by noise control. IET Control Theory and Applications, 2014, 8, 367-374.	1.2	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.	1.3	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.	1.3	15
126	Exponential $H^\infty$ filtering for singular systems with Markovian jump parameters. International Journal of Robust and Nonlinear Control, 2013, 23, 792-806.	2.1	53



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127	Input-Output state stability of a class of Lur'e descriptor systems. International Journal of Robust and Nonlinear Control, 2013, 23, 1324-1337.	2.1	6
128	Stabilization of linear systems with time-varying delays. International Journal of Robust and Nonlinear Control, 2013, 23, 1581-1596.	2.1	4
129	An Impulsive Multi-delayed Feedback Control Method for Stabilizing Discrete Chaotic Systems. Nonlinear Dynamics, 2013, 73, 1187-1199.	2.7	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.	3.7	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.	3.7	13
133	Observer design for a class of nonlinear descriptor systems. Journal of the Franklin Institute, 2013, 350, 1284-1297.	1.9	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.	3.5	36
135	CHAOS ANALYSIS AND CONTROL FOR A CLASS OF SIR EPIDEMIC MODEL WITH SEASONAL FLUCTUATION. International Journal of Biomathematics, 2013, 06, 1250063.	1.5	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.	3.7	18
137	Stabilization for Networked Control Systems with Random Sampling Periods. Journal of Applied Mathematics, 2013, 2013, 1-14.	0.4	2
138	H $\infty$ Control for Linear Positive Discrete-Time Systems. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	1
139	Nonfragile Guaranteed Cost Control and Optimization for Interconnected Systems of Neutral Type. Mathematical Problems in Engineering, 2013, 2013, 1-15.	0.6	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.	0.3	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.	1.2	42
142	Observer-Based Decentralized Control for Uncertain Interconnected Systems of Neutral Type. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	2
143	Delay-Dependent Control for Descriptor Markovian Jump Systems with Time-Varying Delay. Journal of Applied Mathematics, 2013, 2013, 1-16.	0.4	0
144	Stability bound analysis of singularly perturbed systems with time-delay. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 505-511.	0.4	5

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145	Singular Value Decomposition-Based Method for Sliding Mode Control and Optimization of Nonlinear Neutral Systems. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-11.	0.4	2
146	Stability Bound Analysis and Synthesis for Singularly Perturbed Systems with Time-Varying Delay. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	0.6	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 $H_\infty$ control for uncertain neutral systems with time-varying delays. <i>International Journal of Systems Science</i> , 2012, 43, 961-971.	3.7	11
149	DYNAMICAL ANALYSIS AND CONTROL IN A DELAYED DIFFERENTIAL-ALGEBRAIC BIO-ECONOMIC MODEL WITH STAGE STRUCTURE AND DIFFUSION. <i>International Journal of Biomathematics</i> , 2012, 05, 1250010.	1.5	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. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-17.	0.4	3
153	Dynamical behavior of a class of prey-predator system with impulsive state feedback control and Beddington-DeAngelis functional response. <i>Nonlinear Dynamics</i> , 2012, 70, 1511-1522.	2.7	6
154	Robust $H_\infty$ control of Markovian jump systems with uncertain switching probabilities. <i>Asian Journal of Control</i> , 2012, 14, 1407-1410.	1.9	15
155	$H_\infty$ Observer Design for Descriptor Systems with Slope-Restricted Nonlinearities. <i>Asian Journal of Control</i> , 2012, 14, 1133-1140.	1.9	5
156	Dissipative control for singular Markovian jump systems with time delay. <i>Optimal Control Applications and Methods</i> , 2012, 33, 415-432.	1.3	36
157	$H_\infty$ control of networked control systems with state quantisation. <i>International Journal of Systems Science</i> , 2011, 42, 959-966.	3.7	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. <i>International Journal of Systems Science</i> , 2011, 42, 377-387.	3.7	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. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 2666-2671.	3.6	56

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163	Robust $H_{\infty}$ control of norm bounded uncertain systems via Markovian approach. Asian Journal of Control, 2011, 13, 956-965.	1.9	5
164	Dynamic behavior in a delayed stage-structured population model with stochastic fluctuation and harvesting. Nonlinear Dynamics, 2011, 66, 231-245.	2.7	36
165	A singular bioeconomic model with diffusion and time delay. Journal of Systems Science and Complexity, 2011, 24, 277-290.	1.6	5
166	Codimension-two bifurcations analysis and tracking control on a discrete epidemic model. Journal of Systems Science and Complexity, 2011, 24, 1033-1056.	1.6	21
167	New delay-dependent robust stability of discrete singular systems with time-varying delay. Asian Journal of Control, 2011, 13, 136-147.	1.9	45
168	A new approach to $H_{\infty}$ output feedback control of singular systems. , 2010, , .		0
169	Delay-range-dependent $H_{\infty}$ control for Markovian jump systems with mode-dependent time delays. Asian Journal of Control, 2010, 12, 704-713.	1.9	13
170	Delay-dependent robust stabilization for uncertain singular systems with multiple time-varying state delays. Asian Journal of Control, 2010, 12, 734-738.	1.9	6
171	Robustness analysis of descriptor systems with parameter uncertainties. International Journal of Control, Automation and Systems, 2010, 8, 204-209.	1.6	12
172	PD observer design for descriptor systems: An LMI approach. International Journal of Control, Automation and Systems, 2010, 8, 735-740.	1.6	20
173	Robust delay-range-dependent stabilization for Markovian jump systems with mode-dependent time delays and nonlinearities. Optimal Control Applications and Methods, 2010, 31, 249-264.	1.3	17
174	Delay-dependent robust $H_{\infty}$ control for uncertain descriptor systems with multiple state delays. Optimal Control Applications and Methods, 2010, 31, 375-387.	1.3	11
175	Partially mode-dependent filtering for discrete-time Markovian jump systems with partly unknown transition probabilities. Signal Processing, 2010, 90, 548-556.	2.1	79
176	control for discrete-time singularly perturbed systems with two Markov processes. Journal of the Franklin Institute, 2010, 347, 836-847.	1.9	43
177	Dynamical output feedback PI control of NCS with multiple-packet transmission. , 2010, , .		0
178	Stability and strong passivity of nonlinear descriptor systems. , 2010, , .		0
179	Modeling and control of networked control systems with bounded delay and packet disordering. , 2010, , .		3
180	A descriptor system approach to guaranteed cost control for nonlinear neutral systems. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
181	Exponential stability of NCS with time-varying delay and multiple-packet transmission. , 2010, , .		0
182	Absolute stability of Lur'e singularly perturbed systems with multiple nonlinearities. , 2010, , .		1
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184	Complexity and control in a stage-structured prey-predator system with periodical harvesting for predator. , 2010, , .		0
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