

Yonggui Kao

List of Publications by Year in descending order

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105
papers

3,095
citations

201385

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174990

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105
docs citations

105
times ranked

1761
citing authors

#	ARTICLE	IF	CITATIONS
1	A sliding mode approach to non-fragile observer-based control design for uncertain Markovian neutral-type stochastic systems. <i>Automatica</i> , 2015, 52, 218-226.	3.0	215
2	Stability and Stabilization for Singular Switching Semi-Markovian Jump Systems With Generally Uncertain Transition Rates. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3919-3926.	3.6	207
3	Stabilization of Singular Markovian Jump Systems With Generally Uncertain Transition Rates. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 2604-2610.	3.6	206
4	Notice of Violation of IEEE Publication Principles: A Novel Robust Fuzzy Integral Sliding Mode Control for Nonlinear Semi-Markovian Jump Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3594-3604.	6.5	184
5	Takagi-Sugeno Model Based Event-Triggered Fuzzy Sliding-Mode Control of Networked Control Systems With Semi-Markovian Switchings. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 673-683.	6.5	159
6	Passification of Uncertain Singular Semi-Markovian Jump Systems With Actuator Failures Via Sliding Mode Approach. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 4138-4143.	3.6	124
7	Robust sliding mode control for uncertain discrete singular systems with time-varying delays and external disturbances. <i>Automatica</i> , 2017, 75, 210-216.	3.0	118
8	A sliding mode approach to robust stabilisation of Markovian jump linear time-delay systems with generally incomplete transition rates. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015, 17, 70-80.	2.1	85
9	Robust stabilisation for nonlinear time-delay semi-Markovian jump systems via sliding mode control. <i>IET Control Theory and Applications</i> , 2017, 11, 1504-1513.	1.2	84
10	Takagi-Sugeno Model-Based Sliding Mode Observer Design for Finite-Time Synthesis of Semi-Markovian Jump Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1505-1515.	5.9	81
11	Interval Type-2 Fuzzy Sampled-Data H_{∞} Control for Nonlinear Unreliable Networked Control Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1434-1448.	6.5	75
12	Global exponential stability of delayed Markovian jump fuzzy cellular neural networks with generally incomplete transition probability. <i>Neural Networks</i> , 2015, 63, 18-30.	3.3	68
13	Exponential stability of impulsive stochastic fuzzy reaction-diffusion Cohen-Grossberg neural networks with mixed delays. <i>Neurocomputing</i> , 2012, 89, 55-63.	3.5	63
14	Exponential stability and gain analysis for positive time-delay Markovian jump systems with switching transition rates subject to average dwell time. <i>Information Sciences</i> , 2018, 424, 224-234.	4.0	63
15	Delay-Dependent Robust Exponential Stability of Impulsive Markovian Jumping Reaction-Diffusion Cohen-Grossberg Neural Networks. <i>Neural Processing Letters</i> , 2013, 38, 321-346.	2.0	56
16	New results for sampled-data control of interval type-2 fuzzy nonlinear systems. <i>Journal of the Franklin Institute</i> , 2020, 357, 121-141.	1.9	51
17	Controller design for time-delay system with stochastic disturbance and actuator saturation via a new criterion. <i>Applied Mathematics and Computation</i> , 2018, 320, 535-546.	1.4	50
18	Global stability analysis for stochastic coupled reaction-diffusion systems on networks. <i>Nonlinear Analysis: Real World Applications</i> , 2013, 14, 1457-1465.	0.9	46

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19	Finite-time filtering for Itô stochastic Markovian jump systems with distributed time-varying delays based on optimisation algorithm. IET Control Theory and Applications, 2019, 13, 702-710.	1.2	46
20	Anti-windup design for stochastic Markovian switching systems with mode-dependent time-varying delays and saturation nonlinearity. Nonlinear Analysis: Hybrid Systems, 2017, 26, 201-211.	2.1	43
21	Soft variable structure controller design for singular systems. Journal of the Franklin Institute, 2015, 352, 1613-1626.	1.9	40
22	Robust observer-based H control for uncertain discrete singular systems with time-varying delays via sliding mode approach. ISA Transactions, 2018, 80, 81-88.	3.1	39
23	Stability in mean of partial variables for stochastic reaction-diffusion systems with Markovian switching. Journal of the Franklin Institute, 2014, 351, 500-512.	1.9	37
24	Nonfragile observer-based sliding mode control for Itô stochastic systems with Markovian switching. International Journal of Robust and Nonlinear Control, 2014, 24, 2035-2047.	2.1	35
25	Mittag-Leffler stability for a new coupled system of fractional-order differential equations with impulses. Applied Mathematics and Computation, 2019, 361, 22-31.	1.4	35
26	Global stability of coupled Markovian switching reaction-diffusion systems on networks. Nonlinear Analysis: Hybrid Systems, 2014, 13, 61-73.	2.1	31
27	Robust Synchronization for Under-Actuated Vessels Based on Disturbance Observer. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5470-5479.	4.7	30
28	Stability analysis and control synthesis for positive semi-Markov jump systems with time-varying delay. Applied Mathematics and Computation, 2018, 332, 363-375.	1.4	28
29	Exponential stability of switched Markovian jumping neutral-type systems with generally incomplete transition rates. International Journal of Robust and Nonlinear Control, 2018, 28, 1583-1596.	2.1	28
30	Further results on finite-time stabilisation for stochastic Markovian jump systems with time-varying delay. International Journal of Systems Science, 2017, 48, 2967-2975.	3.7	26
31	Robust nonfragile observer-based control of switched discrete singular systems with time-varying delays: A sliding mode control design. International Journal of Robust and Nonlinear Control, 2019, 29, 1462-1483.	2.1	26
32	New delay-dependent stability of Markovian jump neutral stochastic systems with general unknown transition rates. International Journal of Systems Science, 2016, 47, 2499-2509.	3.7	24
33	Observer-Based H_∞ Sliding Mode Controller Design for Uncertain Stochastic Singular Time-Delay Systems. Circuits, Systems, and Signal Processing, 2016, 35, 63-77.	1.2	24
34	Asymptotic multistability and local S-asymptotic T -periodicity for the nonautonomous fractional-order neural networks with impulses. Science China Information Sciences, 2021, 64, 1.	2.7	23
35	Delay-dependent H_∞ filtering for singular Markovian jump systems with general uncomplete transition probabilities. Applied Mathematics and Computation, 2017, 294, 195-215.	1.4	22
36	Delay-independent sliding mode control for a class of quasi-linear parabolic distributed parameter systems with time-varying delay. Journal of the Franklin Institute, 2013, 350, 397-418.	1.9	18

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37	Stochastic admissibility and stabilization of singular Markovian jump systems with multiple time-varying delays. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 1280-1288.	1.6	18
38	$\frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} H(s) ds$ mode control of discrete switched systems with time-varying delays. <i>ISA Transactions</i> , 2019, 89, 12-19.	3.1	18
39	Observer-based mode-independent integral sliding mode controller design for phase-type semi-Markov jump singular systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 5213-5226.	2.1	17
40	Finite-time synchronization of delayed fractional-order heterogeneous complex networks. <i>Neurocomputing</i> , 2020, 384, 368-375.	3.5	17
41	Observer-based adaptive sliding mode control of uncertain switched systems. <i>IET Control Theory and Applications</i> , 2020, 14, 519-525.	1.2	17
42	Passivity and passification for stochastic systems with Markovian switching and generally uncertain transition rates. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 2174-2181.	1.6	16
43	Robust sliding mode control for uncertain discrete singular systems with time-varying delays. <i>International Journal of Systems Science</i> , 2017, 48, 818-827.	3.7	16
44	Non-fragile sliding mode control of discrete switched singular systems with time-varying delays. <i>IET Control Theory and Applications</i> , 2020, 14, 726-737.	1.2	16
45	Fuzzy event-triggered control for nonlinear networked control systems. <i>Journal of the Franklin Institute</i> , 2022, 359, 2593-2607.	1.9	16
46	Exponential stability of impulsive stochastic fuzzy cellular neural networks with mixed delays and reaction-diffusion terms. <i>Neural Computing and Applications</i> , 2013, 23, 1109-1121.	3.2	15
47	New Results on Finite-time Stabilization for Stochastic Systems with Time-varying Delay. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 649-658.	1.6	14
48	Robust exponential stability of fractional-order coupled quaternion-valued neural networks with parametric uncertainties and impulsive effects. <i>Chaos, Solitons and Fractals</i> , 2021, 143, 110598.	2.5	14
49	Stochastic Stability, H_2 -gain and Control Synthesis for Positive Semi-Markov Jump Systems. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 2055-2062.	1.6	13
50	Finite-time H_∞ Control of Stochastic Singular Systems with Partly Known Transition Rates via an Optimization Algorithm. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 1462-1472.	1.6	13
51	Global Mittag-Leffler stability for fractional-order coupled systems on network without strong connectedness. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	13
52	Integral Sliding Mode Control for a Kind of Impulsive Uncertain Reaction-Diffusion Systems. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 1154-1160.	3.6	13
53	Impact of fear effect and prey refuge on a fractional order prey-predator system with Beddington-DeAngelis functional response. <i>Chaos</i> , 2022, 32, 043125.	1.0	13
54	Soft variable structure controller design for constrained systems based on S-class functions. <i>Neural Computing and Applications</i> , 2015, 26, 705-711.	3.2	12

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55	Stabilization for Positive Markovian Jump Systems with Actuator Saturation. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 374-388.	1.2	12
56	Synchronous stability of the fractional-order discrete-time dynamical network system model with impulsive couplings. <i>Neurocomputing</i> , 2019, 363, 205-211.	3.5	12
57	Stability for delayed switched systems with Markov jump parameters and generally incomplete transition rates. <i>Applied Mathematics and Computation</i> , 2020, 365, 124718.	1.4	12
58	Global exponential robust stability of reaction-diffusion interval neural networks with continuously distributed delays. <i>Neural Computing and Applications</i> , 2010, 19, 867-873.	3.2	11
59	Integrator-based robust sliding mode control of uncertain stochastic Markovian jump delay systems with non-linear perturbations. <i>IET Control Theory and Applications</i> , 2017, 11, 1124-1133.	1.2	11
60	Tracking control design for interval type-2 fuzzy nonlinear unreliable networked control systems. <i>Journal of the Franklin Institute</i> , 2021, 358, 4159-4177.	1.9	11
61	Non-Fragile Observer-Based Control for Uncertain Neutral-Type Systems via Sliding Mode Technique. <i>Asian Journal of Control</i> , 2017, 19, 659-671.	1.9	10
62	SMC for semi-Markov jump T-S fuzzy systems with time delay. <i>Applied Mathematics and Computation</i> , 2020, 374, 125001.	1.4	10
63	Projective synchronisation of variable-order systems via fractional sliding mode control approach. <i>IET Control Theory and Applications</i> , 2020, 14, 12-18.	1.2	10
64	Robust mean square stability of delayed stochastic generalized uncertain impulsive reaction-diffusion neural networks. <i>Journal of the Franklin Institute</i> , 2021, 358, 877-894.	1.9	10
65	Robust non-fragile control for delayed singular Markovian jump systems with actuator saturation and partially unknown transition probabilities. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 2669-2687.	2.1	9
66	Robust passive control for a class of uncertain neutral systems based on sliding mode observer. <i>ISA Transactions</i> , 2017, 66, 64-76.	3.1	9
67	New stability criterion of fractional-order impulsive coupled non-autonomous systems on networks. <i>Neurocomputing</i> , 2020, 401, 91-100.	3.5	9
68	Globally L_2 -Mittag-Leffler stability and L_2 -Mittag-Leffler convergence in Lagrange sense for impulsive fractional-order complex-valued neural networks. <i>Chaos, Solitons and Fractals</i> , 2021, 148, 111061.	2.5	9
69	Stability of coupled impulsive Markovian jump reaction-diffusion systems on networks. <i>Journal of Systems Science and Complexity</i> , 2016, 29, 1269-1280.	1.6	8
70	A Fuzzy Control Approach to Stabilization of Markovian Jump Systems with General Unknown Transition Probabilities. <i>International Journal of Fuzzy Systems</i> , 2016, 18, 1-11.	2.3	8
71	Positive observer design for positive Markovian jump systems with mode-dependent time-varying delays and incomplete transition rates. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 640-646.	1.6	8
72	Stability of Markovian jump stochastic parabolic Itô equations with generally uncertain transition rates. <i>Applied Mathematics and Computation</i> , 2018, 337, 399-407.	1.4	8

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73	Observer-based Adaptive Control for a Class of Uncertain Switched Systems with Time-delay: A Sliding Mode Approach. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2907-2916.	1.6	8
74	Composite anti-disturbance control for semi-Markovian jump systems with time-varying delay and generally uncertain transition rates via disturbance observer. <i>IET Control Theory and Applications</i> , 2020, 14, 1877-1887.	1.2	8
75	Robust Stabilization of Markovian Jump Linear Singular Systems with Wiener Process and Generally Incomplete Transition Rates. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 2475-2498.	1.2	7
76	A project scheduling problem with spatial resource constraints and a corresponding guided local search algorithm. <i>Journal of the Operational Research Society</i> , 2019, 70, 1349-1361.	2.1	7
77	Soft sliding mode controller design for uncertain delta operator systems. <i>Neural Computing and Applications</i> , 2016, 27, 2475-2482.	3.2	6
78	Finite-time synchronization of Markovian jump complex networks with generally uncertain transition rates. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 52-60.	1.1	6
79	Robust finite-time control for neutral systems with time-varying delays via sliding mode observer. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 2099-2108.	1.6	6
80	Disturbance-observer-based control for time-delay Markovian jump systems subject to actuator saturation. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 605-614.	1.1	6
81	Global asymptotic stability and S-asymptotic periodicity of impulsive non-autonomous fractional-order neural networks. <i>Applied Mathematics and Computation</i> , 2021, 410, 126459.	1.4	6
82	Aperiodically intermittent pinning outer synchronization control for delayed complex dynamical networks with reaction-diffusion terms. <i>Applied Mathematics and Computation</i> , 2021, 410, 126406.	1.4	6
83	On a predator-prey system interaction under fluctuating water level with nonselective harvesting. <i>Open Mathematics</i> , 2020, 18, 458-475.	0.5	6
84	A Hybrid Heuristic Algorithm for Ship Block Construction Space Scheduling Problem. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-6.	0.5	5
85	Stochastic Stability and Stabilization of Singular Itô-type Markovian Jump Systems with Uncertain Transition Rates: An LMI Approach. <i>Asian Journal of Control</i> , 2018, 20, 819-828.	1.9	5
86	Uniform stability of delayed impulsive reaction-diffusion systems. <i>Applied Mathematics and Computation</i> , 2020, 372, 124954.	1.4	5
87	Sliding Mode Control for Markovian Switching Singular Systems with Time-Varying Delays and Nonlinear Perturbations. <i>Discrete Dynamics in Nature and Society</i> , 2013, 2013, 1-9.	0.5	4
88	A Branch and Bound Algorithm for Project Scheduling Problem with Spatial Resource Constraints. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	0.6	4
89	H ∞ adaptive control for uncertain Markovian jump systems with general unknown transition rates. <i>Applied Mathematical Modelling</i> , 2016, 40, 5200-5215.	2.2	4
90	Non-fragile feedback control with L_2 gain performance of uncertain neutral-type stochastic Markovian jump systems. <i>International Journal of Systems Science</i> , 2017, 48, 1496-1506.	3.7	4

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91	Mittag-Leffler Stability of Fractional-Order Nonlinear Differential Systems With State-Dependent Delays. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2108-2116.	3.5	4
92	Fuzzy event-triggered tracking control for nonlinear unreliable networked systems. ISA Transactions, 2023, 133, 205-217.	3.1	4
93	Stability of Stochastic Reaction-Diffusion Systems with Markovian Switching and Impulsive Perturbations. Mathematical Problems in Engineering, 2012, 2012, 1-13.	0.6	3
94	Stability of high-order delayed Markovian jumping reaction-diffusion HNNs with uncertain transition rates. Applied Mathematics and Computation, 2021, 389, 125559.	1.4	3
95	Global Mittag-Leffler stability and existence of the solution for fractional-order complex-valued NNs with asynchronous time delays. Chaos, 2021, 31, 113110.	1.0	3
96	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{\alpha} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Observer-Based Sliding Mode Control for Uncertain Stochastic Systems with Time-Varying Delays. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	2
97	Passivity and passification for stochastic Markovian jump systems with incomplete transition rates and actuator saturation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 2241-2248.	0.7	2
98	A Guaranteed Cost Approach to Dynamic Output Feedback Control for Neutral-Type Markovian Jumping Stochastic Systems. Journal of Systems Science and Complexity, 2021, 34, 1487-1500.	1.6	2
99	Robust Guaranteed Cost Observer Design for Singular Markovian Jump Time-Delay Systems with Generally Incomplete Transition Probability. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	1
100	The superstring galaxy associative memory model with anticipant fault-tolerant field on m-value information space. , 2010, , .		0
101	Stability in Mean of Partial Variables for Coupled Stochastic Reaction-Diffusion Systems on Networks: A Graph Approach. Abstract and Applied Analysis, 2014, 2014, 1-13.	0.3	0
102	Quantized State-Feedback Stabilization for Delayed Markovian Jump Linear Systems with Generally Incomplete Transition Rates. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.3	0
103	Overcoming control complexity of constrained three-link manipulator using sliding-mode control. , 2016, , .		0
104	Observer-based static feedback control for neutral-type Markovian jump systems. , 2017, , .		0
105	Soft sliding mode controller design for a class of singular link manipulator by disturbance compensation. , 2017, , .		0