

# Yonggui Kao

## List of Publications by Year in descending order

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105  
papers

3,095  
citations

201385

27  
h-index

174990

52  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integral Sliding Mode Control for a Kind of Impulsive Uncertain Reaction-Diffusion Systems. IEEE Transactions on Automatic Control, 2023, 68, 1154-1160.	3.6	13
2	Fuzzy event-triggered tracking control for nonlinear unreliable networked systems. ISA Transactions, 2023, 133, 205-217.	3.1	4
3	Robust Synchronization for Under-Actuated Vessels Based on Disturbance Observer. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5470-5479.	4.7	30
4	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
5	Fuzzy event-triggered control for nonlinear networked control systems. Journal of the Franklin Institute, 2022, 359, 2593-2607.	1.9	16
6	Impact of fear effect and prey refuge on a fractional order prey-predator system with Beddington-DeAngelis functional response. Chaos, 2022, 32, 043125.	1.0	13
7	Robust mean square stability of delayed stochastic generalized uncertain impulsive reaction-diffusion neural networks. Journal of the Franklin Institute, 2021, 358, 877-894.	1.9	10
8	Stability of high-order delayed Markovian jumping reaction-diffusion HNNs with uncertain transition rates. Applied Mathematics and Computation, 2021, 389, 125559.	1.4	3
9	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
10	Robust exponential stability of fractional-order coupled quaternion-valued neural networks with parametric uncertainties and impulsive effects. Chaos, Solitons and Fractals, 2021, 143, 110598.	2.5	14
11	Tracking control design for interval type-2 fuzzy nonlinear unreliable networked control systems. Journal of the Franklin Institute, 2021, 358, 4159-4177.	1.9	11
12	Global asymptotic stability and S-asymptotic $\mathbb{I}^2$ -Mittag-Leffler stability and $\mathbb{I}^2$ -Mittag-Leffler convergence in Lagrange sense for impulsive fractional-order complex-valued neural networks. Chaos, Solitons and Fractals, 2021, 148, 110598.	2.5	9
13	Global asymptotic stability and S-asymptotic $\mathbb{I}^2$ -periodicity of impulsive non-autonomous fractional-order neural networks. Applied Mathematics and Computation, 2021, 410, 126459.	1.4	6
14	Aperiodically intermittent pinning outer synchronization control for delayed complex dynamical networks with reaction-diffusion terms. Applied Mathematics and Computation, 2021, 410, 126406.	1.4	6
15	Asymptotic multistability and local S-asymptotic $\mathbb{I}^2$ -periodicity for the nonautonomous fractional-order neural networks with impulses. Science China Information Sciences, 2021, 64, 1.	2.7	23
16	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
17	Takagi-Sugeno Model Based Event-Triggered Fuzzy Sliding-Mode Control of Networked Control Systems With Semi-Markovian Switchings. IEEE Transactions on Fuzzy Systems, 2020, 28, 673-683.	6.5	159
18	Stability for delayed switched systems with Markov jump parameters and generally incomplete transition rates. Applied Mathematics and Computation, 2020, 365, 124718.	1.4	12

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19	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
20	Interval Type-2 Fuzzy Sampled-Data $H_{\infty}$ Control for Nonlinear Unreliable Networked Control Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1434-1448.	6.5	75
21	Finite-time synchronization of delayed fractional-order heterogeneous complex networks. <i>Neurocomputing</i> , 2020, 384, 368-375.	3.5	17
22	Uniform stability of delayed impulsive reaction-diffusion systems. <i>Applied Mathematics and Computation</i> , 2020, 372, 124954.	1.4	5
23	New stability criterion of fractional-order impulsive coupled non-autonomous systems on networks. <i>Neurocomputing</i> , 2020, 401, 91-100.	3.5	9
24	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
25	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
26	SMC for semi-Markov jump T-S fuzzy systems with time delay. <i>Applied Mathematics and Computation</i> , 2020, 374, 125001.	1.4	10
27	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
28	Observer-based adaptive sliding mode control of uncertain switched systems. <i>IET Control Theory and Applications</i> , 2020, 14, 519-525.	1.2	17
29	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
30	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
31	On a predator-prey system interaction under fluctuating water level with nonselective harvesting. <i>Open Mathematics</i> , 2020, 18, 458-475.	0.5	6
32	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
33	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
34	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
35	Finite-time $H^{\infty}$ 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
36	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

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37	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
38	Mittag-Leffler stability for a new coupled system of fractional-order differential equations with impulses. <i>Applied Mathematics and Computation</i> , 2019, 361, 22-31.	1.4	35
39	Finite-time filtering for Itô stochastic Markovian jump systems with distributed time-varying delays based on optimisation algorithm. <i>IET Control Theory and Applications</i> , 2019, 13, 702-710.	1.2	46
40	$\ x(t)\  \leq \beta e^{-\alpha t} \ x(0)\  + \gamma \int_0^t e^{-\alpha(t-s)} \ \omega(s)\  ds$ mode control of discrete switched systems with time-varying delays. <i>ISA Transactions</i> , 2019, 89, 12-19.	3.1	18
41	Robust nonfragile observer-based control of switched discrete singular systems with time-varying delays: A sliding mode control design. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 1462-1483.	2.1	26
42	Stability analysis and control synthesis for positive semi-Markov jump systems with time-varying delay. <i>Applied Mathematics and Computation</i> , 2018, 332, 363-375.	1.4	28
43	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
44	Exponential stability and $L_1$ -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
45	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
46	Exponential stability of switched Markovian jumping neutral-type systems with generally incomplete transition rates. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 1583-1596.	2.1	28
47	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
48	Notice of Violation of IEEE Publication Principles: A Novel Robust Fuzzy Integral Sliding Mode Control for Nonlinear Semi-Markovian Jump S Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3594-3604.	6.5	184
49	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
50	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
51	Robust observer-based H control for uncertain discrete singular systems with time-varying delays via sliding mode approach. <i>ISA Transactions</i> , 2018, 80, 81-88.	3.1	39
52	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
53	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
54	Stabilization for Positive Markovian Jump Systems with Actuator Saturation. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 374-388.	1.2	12

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55	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
56	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
57	Robust stabilisation for non-linear time-delay semi-Markovian jump systems via sliding mode control. <i>IET Control Theory and Applications</i> , 2017, 11, 1504-1513.	1.2	84
58	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
59	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
60	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
61	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
62	Further results on finite-time stabilisation for stochastic Markovian jump systems with time-varying delay. <i>International Journal of Systems Science</i> , 2017, 48, 2967-2975.	3.7	26
63	Anti-windup design for stochastic Markovian switching systems with mode-dependent time-varying delays and saturation nonlinearity. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017, 26, 201-211.	2.1	43
64	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
65	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
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	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
68	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
69	Delay-dependent $H_\infty$ filtering for singular Markovian jump systems with general uncomplete transition probabilities. <i>Applied Mathematics and Computation</i> , 2017, 294, 195-215.	1.4	22
70	Observer-based static feedback control for neutral-type Markovian jump systems. , 2017, , .		0
71	Soft sliding mode controller design for a class of singular link manipulator by disturbance compensation. , 2017, , .		0
72	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

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73	Overcoming control complexity of constrained three-link manipulator using sliding-mode control. , 2016, , .		0
74	Stochastic admissibility and stabilization of singular Markovian jump systems with multiple time-varying delays. International Journal of Control, Automation and Systems, 2016, 14, 1280-1288.	1.6	18
75	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
76	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
77	$H_\infty$ adaptive control for uncertain Markovian jump systems with general unknown transition rates. Applied Mathematical Modelling, 2016, 40, 5200-5215.	2.2	4
78	A Fuzzy Control Approach to Stabilization of Markovian Jump Systems with General Unknown Transition Probabilities. International Journal of Fuzzy Systems, 2016, 18, 1-11.	2.3	8
79	Soft sliding mode controller design for uncertain delta operator systems. Neural Computing and Applications, 2016, 27, 2475-2482.	3.2	6
80	Observer-Based $H_\infty$ Sliding Mode Controller Design for Uncertain Stochastic Singular Time-Delay Systems. Circuits, Systems, and Signal Processing, 2016, 35, 63-77.	1.2	24
81	A Hybrid Heuristic Algorithm for Ship Block Construction Space Scheduling Problem. Discrete Dynamics in Nature and Society, 2015, 2015, 1-6.	0.5	5
82	A Branch and Bound Algorithm for Project Scheduling Problem with Spatial Resource Constraints. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	4
83	Soft variable structure controller design for constrained systems based on S-class functions. Neural Computing and Applications, 2015, 26, 705-711.	3.2	12
84	Robust Stabilization of Markovian Jump Linear Singular Systems with Wiener Process and Generally Incomplete Transition Rates. Circuits, Systems, and Signal Processing, 2015, 34, 2475-2498.	1.2	7
85	Soft variable structure controller design for singular systems. Journal of the Franklin Institute, 2015, 352, 1613-1626.	1.9	40
86	A sliding mode approach to robust stabilisation of Markovian jump linear time-delay systems with generally incomplete transition rates. Nonlinear Analysis: Hybrid Systems, 2015, 17, 70-80.	2.1	85
87	A sliding mode approach to $H_\infty$ non-fragile observer-based control design for uncertain Markovian neutral-type stochastic systems. Automatica, 2015, 52, 218-226.	2.1	24
88	Global exponential stability of delayed Markovian jump fuzzy cellular neural networks with generally incomplete transition probability. Neural Networks, 2015, 63, 18-30.	3.3	68
89	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
90	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

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91	Quantized State-Feedback Stabilization for Delayed Markovian Jump Linear Systems with Generally Incomplete Transition Rates. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-9.	0.3	0
92	Nonfragile observer-based sliding mode control for Itô stochastic systems with Markovian switching. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2035-2047.	2.1	35
93	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
94	Global stability of coupled Markovian switching reaction-diffusion systems on networks. <i>Nonlinear Analysis: Hybrid Systems</i> , 2014, 13, 61-73.	2.1	31
95	Stability in mean of partial variables for stochastic reaction-diffusion systems with Markovian switching. <i>Journal of the Franklin Institute</i> , 2014, 351, 500-512.	1.9	37
96	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
97	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
98	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
99	Delay-independent sliding mode control for a class of quasi-linear parabolic distributed parameter systems with time-varying delay. <i>Journal of the Franklin Institute</i> , 2013, 350, 397-418.	1.9	18
100	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
101	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{z} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Observer-based Sliding Mode Control for Uncertain Stochastic Systems with Time-Varying Delays. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	0.6	2
102	Stability of Stochastic Reaction-Diffusion Systems with Markovian Switching and Impulsive Perturbations. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-13.	0.6	3
103	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
104	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
105	The superstring galaxy associative memory model with anticipant fault-tolerant field on m-value information space. , 2010, , .		0