

Chunyu Yang

List of Publications by Year in descending order

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115
papers

1,741
citations

331538

21
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345118

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115
all docs

115
docs citations

115
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Controller design for finite-time attractive and energy consumption of stochastic nonlinear systems. International Journal of Control, 2023, 96, 74-81.	1.2	3
2	Neural-Network-Based Adaptive Control of Uncertain MIMO Singularly Perturbed Systems With Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3764-3774.	7.2	24
3	Event-triggered consensus control for a class of two-time-scale multi-agent systems. International Journal of Control, 2023, 96, 975-986.	1.2	2
4	Control for a Class of Two-Time-Scale Cyber-Physical Systems: An Asynchronous Dynamic Event-Triggered Protocol. IEEE Transactions on Cybernetics, 2023, 53, 5013-5023.	6.2	3
5	Reachable Set Estimation for Memristive Complex-Valued Neural Networks With Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 11029-11034.	7.2	6
6	Finite-Time Stabilization and Energy Consumption Estimation for Delayed Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1891-1900.	5.9	17
7	Reinforcement Learning-Based Composite Optimal Operational Control of Industrial Systems With Multiple Unit Devices. IEEE Transactions on Industrial Informatics, 2022, 18, 1091-1101.	7.2	21
8	New Criteria on Stability of Dynamic Memristor Delayed Cellular Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 5367-5379.	6.2	15
9	Inverse optimal synchronization control of competitive neural networks with constant time delays. Neural Computing and Applications, 2022, 34, 241-251.	3.2	5
10	Reinforcement Learning Based Optimal Control of Linear Singularly Perturbed Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1362-1366.	2.2	20
11	Security Control for Multi-Time-Scale CPSs Under DoS Attacks: An Improved Dynamic Event-Triggered Mechanism. IEEE Transactions on Network Science and Engineering, 2022, 9, 1813-1826.	4.1	12
12	Adaptive Neural Partial State Tracking Control for Full-State-Constrained Uncertain Singularly Perturbed Nonlinear Systems and Its Applications to Electric Circuit. Electronics (Switzerland), 2022, 11, 1209.	1.8	0
13	Reinforcement Learning-Based Sliding Mode Tracking Control for the Two-Time-Scale Systems: Dealing With Actuator Attacks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3819-3823.	2.2	4
14	Centralized and Distributed Robust State Estimation Over Sensor Networks Using Elliptical Distribution. IEEE Internet of Things Journal, 2022, 9, 21825-21837.	5.5	5
15	Passivity-based robust adaptive sliding mode control for singular time-delay systems with uncertainties in both derivative matrix and some other system matrices. International Journal of Robust and Nonlinear Control, 2021, 31, 447-470.	2.1	4
16	Event-triggered filtering for singularly perturbed systems with external disturbance. International Journal of Systems Science, 2021, 52, 407-421.	3.7	3
17	Time and Energy Costs for Consensus of Multi-Agent Networks With Undirected and Directed Topologies. IEEE Transactions on Network Science and Engineering, 2021, 8, 3380-3391.	4.1	5
18	A Novel Robust Nonlinear Kalman Filter Based on Multivariate Laplace Distribution. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2705-2709.	2.2	18

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19	Observer-Based Control for the Two-Time-Scale Cyber-Physical Systems: The Dual-Scale DoS Attacks Case. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 3369-3379.	4.1	17
20	A Novel Equivalent Input Disturbance-Based Adaptive Sliding Mode Control for Singularly Perturbed Systems. <i>IEEE Access</i> , 2021, 9, 12463-12472.	2.6	3
21	State bounding for fuzzy memristive neural networks with bounded input disturbances. <i>Neural Networks</i> , 2021, 134, 163-172.	3.3	13
22	Suboptimal control for nonlinear slow-fast coupled systems using reinforcement learning and Takagi-Sugeno fuzzy methods. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021, 35, 1017-1038.	2.3	9
23	Suboptimal reduced control of unknown nonlinear singularly perturbed systems via reinforcement learning. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 6626-6645.	2.1	2
24	Disturbance-observer based antiwindup control for singularly perturbed switched systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 6845-6866.	2.1	3
25	Security control for two-time-scale cyber physical systems with multiple transmission channels under DoS attacks: The input-to-state stability. <i>Journal of the Franklin Institute</i> , 2021, 358, 6309-6325.	1.9	7
26	Localization of coal mine rescue robots based on multi-sensor fusion. , 2021, , .		0
27	Finite-Time Stability of Delayed Memristor-Based Fractional-Order Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 1607-1616.	6.2	87
28	Synchronization of Memristive Complex-Valued Neural Networks With Time Delays via Pinning Control Method. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 3806-3815.	6.2	76
29	Composite control of flexible manipulators based on SMC-DO and LQR. , 2020, , .		3
30	Finite-time stabilization and energy consumption estimation for delayed neural networks with bounded activation function. <i>Neural Networks</i> , 2020, 131, 163-171.	3.3	16
31	Event-Triggered Observer-Based Fuzzy Control for Coal-Fired Power Generation Systems Based on Singularly Perturbed Theory. <i>IEEE Access</i> , 2020, 8, 133283-133294.	2.6	8
32	Adaptive composite suboptimal control for linear singularly perturbed systems with unknown slow dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 2625-2643.	2.1	22
33	Passivity-Based Integral Sliding Mode Control and ϵ -Bound Estimation for Uncertain Singularly Perturbed Systems With Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 452-456.	2.2	33
34	Integral Sliding Mode Control for Singularly Perturbed Systems with Mismatched Disturbances. <i>Circuits, Systems, and Signal Processing</i> , 2019, 38, 1561-1582.	1.2	11
35	Composite Feedforward Compensation for Force Ripple in Permanent Magnet Linear Synchronous Motors. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2019, 24, 782-788.	0.5	7
36	Modeling and control of mine main fan switchover system. <i>ISA Transactions</i> , 2019, 85, 189-199.	3.1	8

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37	Disturbance-observer based sliding mode control for fuzzy singularly perturbed systems. Journal of Intelligent and Fuzzy Systems, 2019, 37, 1055-1064.	0.8	3
38	Closed-loop control of nonlinear neural networks: The estimate of control time and energy cost. Neural Networks, 2019, 117, 145-151.	3.3	20
39	Observer-based event-triggered control for singularly perturbed systems with saturating actuator. International Journal of Robust and Nonlinear Control, 2019, 29, 3954-3970.	2.1	22
40	Neural Network-Based Adaptive Tracking Control for a Class of Nonlinear Singularly Perturbed Systems. IEEE Access, 2019, 7, 43205-43213.	2.6	8
41	Sampled-data observer-based anti-windup control for singularly perturbed systems with actuator saturation. ISA Transactions, 2019, 91, 32-40.	3.1	5
42	Adaptive Optimal Output Tracking Control of Completely Unknown Linear Two-Time-Scale Systems. , 2019, , .		1
43	Passivity analysis and disturbance observer-based adaptive integral sliding mode control for uncertain singularly perturbed systems with input nonlinearity. IET Control Theory and Applications, 2019, 13, 3174-3183.	1.2	11
44	An Efficient Quadratic Constrained Least Squares Localization Method for Narrow Space With Ranging Measurement. IEEE Access, 2019, 7, 174962-174971.	2.6	1
45	Disturbance Observer-Based Integral Sliding Mode Control for Singularly Perturbed Systems With Mismatched Disturbances. IEEE Access, 2018, 6, 9854-9861.	2.6	51
46	Multiple models and neural networks based adaptive PID decoupling control of mine main fan switchover system. IET Control Theory and Applications, 2018, 12, 446-455.	1.2	17
47	An Adaptive-Gain Sliding Mode Observer for Sensorless Control of Permanent Magnet Linear Synchronous Motors. IEEE Access, 2018, 6, 3469-3478.	2.6	43
48	Disturbance rejection of singularly perturbed switched systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 2231-2248.	2.1	14
49	Sampled-data H_∞ filtering for Markovian jump singularly perturbed systems with time-varying delay and missing measurements. International Journal of Systems Science, 2018, 49, 464-478.	3.7	19
50	Global asymptotic stability analysis of two-time-scale competitive neural networks with time-varying delays. Neurocomputing, 2018, 273, 357-366.	3.5	13
51	Complete Coverage Path Planning Based on Bioinspired Neural Network and Pedestrian Location Prediction. , 2018, , .		5
52	H_∞ Control for Discrete-time Linear Systems by Integrating Off-policy Q-learning and Zero-sum Game. , 2018, , .		1
53	Fuzzy Sliding Mode Control for Permanent Magnet Synchronous Motors. , 2018, , .		0
54	Energy Modeling and Parameter Identification of Dual-Motor-Driven Belt Conveyors without Speed Sensors. Energies, 2018, 11, 3313.	1.6	12

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55	Model-Free Composite Control of Flexible Manipulators Based on Adaptive Dynamic Programming. Complexity, 2018, 2018, 1-9.	0.9	12
56	Anti-windup control for nonlinear singularly perturbed switched systems with actuator saturation. International Journal of Systems Science, 2018, 49, 2187-2201.	3.7	5
57	Stabilization of stochastic delay systems via a disordered controller. Applied Mathematics and Computation, 2017, 314, 98-109.	1.4	9
58	Software platform for optimal setting control of complex industrial processes. , 2017, , .		0
59	Robust stabilisation of uncertain delayed Markovian jump systems and its applications. International Journal of Systems Science, 2017, 48, 1226-1241.	3.7	6
60	A partially delayâ€dependent and disordered controller design for discreteâ€time delayed systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2646-2668.	2.1	21
61	Integral sliding mode control for singularly perturbed systems with matched disturbances. , 2017, , .		0
62	Hâ€ sampled-data control for T-S fuzzy singularly perturbed systems with actuator saturation. Journal of Intelligent and Fuzzy Systems, 2017, 33, 779-790.	0.8	6
63	Sampled-data control for singularly perturbed systems with actuator saturation. , 2017, , .		0
64	Controller design and analysis for singularly perturbed switched systems with actuator saturation. International Journal of Robust and Nonlinear Control, 2016, 26, 3404-3420.	2.1	22
65	Controller design for T-S fuzzy singularly perturbed switched systems. , 2016, , .		2
66	Stabilization bound of time-delay singularly perturbed systems with actuator saturation. , 2016, , .		1
67	Stability of contractive economic MPC with a generalized terminal constraint for nonlinear systems. , 2016, , .		0
68	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
69	Antiâ€windup controller design for singularly perturbed systems subject to actuator saturation. IET Control Theory and Applications, 2016, 10, 469-476.	1.2	21
70	Stability analysis of singularly perturbed control systems with actuator saturation. Journal of the Franklin Institute, 2016, 353, 1284-1296.	1.9	19
71	Observer Design for Singularly Perturbed Systems With Multirate Sampled and Delayed Measurements. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	11
72	â€Hâ€ Control and â€varepsilonâ€-Bound Estimation of Discrete-Time Singularly Perturbed Systems. Circuits, Systems, and Signal Processing, 2016, 35, 2640-2654.	1.2	19

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73	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
74	Fuzzy Controllers for Nonaffine-in-Control Singularly Perturbed Switched Systems. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	2
75	Control of singularly perturbed systems subject to actuator saturation. , 2014, , .		0
76	Stabilization bound of discrete singularly perturbed systems subject to actuator saturation. , 2014, , .		1
77	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
78	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
79	Nonlinear observers for a class of nonlinear descriptor systems. Optimal Control Applications and Methods, 2013, 34, 348-363.	1.3	15
80	Exponential H_∞ filtering for singular systems with Markovian jump parameters. International Journal of Robust and Nonlinear Control, 2013, 23, 792-806.	2.1	53
81	Input-state stability of a class of Lur'e descriptor systems. International Journal of Robust and Nonlinear Control, 2013, 23, 1324-1337.	2.1	6
82	Control for a class of nonlinear singularly perturbed systems subject to actuator saturation. IET Control Theory and Applications, 2013, 7, 1415-1421.	1.2	3
83	Passivity analysis of singularly perturbed systems with nonlinear uncertainties. , 2013, , .		1
84	Variable structure control for three-variable autocatalytic reaction. Journal of Control Theory and Applications, 2013, 11, 393-400.	0.8	1
85	Strongly absolute stability of Lur'e-type discrete-time descriptor systems: Strict LMI-based popov criterion. , 2013, , .		0
86	H_∞ filtering for discrete-time singularly perturbed systems with missing measurements. , 2013, , .		1
87	Stabilization bound of singularly perturbed systems subject to actuator saturation. Automatica, 2013, 49, 457-462.	3.0	84
88	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
89	Stability Analysis and Design for Nonlinear Singular Systems. Lecture Notes in Control and Information Sciences, 2013, , .	0.6	21
90	Passive Control and L_2 -Bound Estimation of Singularly Perturbed Systems with Nonlinear Nonlinearities. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	0

#	ARTICLE	IF	CITATIONS
91	Stability bound analysis of singularly perturbed systems with time-delay. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 505-511.	0.4	5
92	Stability analysis and stabilization for singular linear systems subject to actuator saturation. , 2012, , .		2
93	Neural-Network-Based Contouring Control for Robotic Manipulators in Operational Space. IEEE Transactions on Control Systems Technology, 2012, 20, 1073-1080.	3.2	44
94	Observer Design for Descriptor Systems with Slope-Restricted Nonlinearities. Asian Journal of Control, 2012, 14, 1133-1140.	1.9	5
95	Modeling and Monitoring of Dynamic Processes. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 277-284.	7.2	60
96	Dissipative control for singular Markovian jump systems with time delay. Optimal Control Applications and Methods, 2012, 33, 415-432.	1.3	36
97	Globally asymptotical stability for descriptor systems with nonlinear perturbations. , 2011, , .		0
98	Lur'e Lyapunov Function and Absolute Stability Criterion for Lur'e Singularly Perturbed Systems. IEEE Transactions on Automatic Control, 2011, 56, 2666-2671.	3.6	56
99	Stability analysis and stabilization for discrete-time singular delay systems. Journal of Systems Engineering and Electronics, 2011, 22, 482-487.	1.1	12
100	Strongly absolute stability of Lur'e-type discrete-time descriptor systems with sector and slope restricted nonlinearities. , 2011, , .		0
101	Robustness analysis of descriptor systems with parameter uncertainties. International Journal of Control, Automation and Systems, 2010, 8, 204-209.	1.6	12
102	Stability and strong passivity of nonlinear descriptor systems. , 2010, , .		0
103	H _∞ control for discrete-time singular delay systems. , 2010, , .		1
104	Absolute stability of Lur'e singularly perturbed systems with multiple nonlinearities. , 2010, , .		1
105	Strongly absolute stability of Lur'e-type discrete-time descriptor systems. , 2010, , .		2
106	Multiobjective Control for S Fuzzy Singularly Perturbed Systems. IEEE Transactions on Fuzzy Systems, 2009, 17, 104-115.	6.5	149
107	Strongly absolute stability of Lur'e descriptor systems: Popov-type criteria. International Journal of Robust and Nonlinear Control, 2009, 19, 786-806.	2.1	26
108	Observer design for a class of nonlinear descriptor systems. , 2009, , .		12

