

Jie Tao

List of Publications by Year in descending order

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2,612
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docs citations

45
times ranked

1510
citing authors

#	ARTICLE	IF	CITATIONS
1	Passivity-Based Asynchronous Control for Markov Jump Systems. IEEE Transactions on Automatic Control, 2017, 62, 2020-2025.	5.7	448
2	Asynchronous Dissipative State Estimation for Stochastic Complex Networks With Quantized Jumping Coupling and Uncertain Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 268-277.	11.3	211
3	Distributed Sliding-Mode Tracking Control of Second-Order Nonlinear Multiagent Systems: An Event-Triggered Approach. IEEE Transactions on Cybernetics, 2020, 50, 3892-3902.	9.5	170
4	Dissipativity-Based Sampled-Data Fuzzy Control Design and its Application to Truck-Trailer System. IEEE Transactions on Fuzzy Systems, 2015, 23, 1669-1679.	9.8	167
5	Fuzzy-Model-Based Nonfragile Guaranteed Cost Control of Nonlinear Markov Jump Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2388-2397.	9.3	163
6	Dissipativity-Based Reliable Control for Fuzzy Markov Jump Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2017, 47, 2377-2388.	9.5	143
7	Asynchronous and Resilient Filtering for Markovian Jump Neural Networks Subject to Extended Dissipativity. IEEE Transactions on Cybernetics, 2019, 49, 2504-2513.	9.5	122
8	Robust Estimation for Neural Networks With Randomly Occurring Distributed Delays and Markovian Jump Coupling. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 845-855.	11.3	112
9	Filtering for Discrete-Time Switched Fuzzy Systems With Quantization. IEEE Transactions on Fuzzy Systems, 2017, 25, 1616-1628.	9.8	110
10	Fuzzy-Model-Based Quantized Guaranteed Cost Control of Nonlinear Networked Systems. IEEE Transactions on Fuzzy Systems, 2015, 23, 567-575.	9.8	84
11	Reachable Set Estimation for Markovian Jump Neural Networks With Time-Varying Delays. IEEE Transactions on Cybernetics, 2017, 47, 3208-3217.	9.5	74
12	Dissipativity-Based Resilient Filtering of Periodic Markovian Jump Neural Networks With Quantized Measurements. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1888-1899.	11.3	66
13	Stability of continuous-time positive switched linear systems: A weak common copositive Lyapunov functions approach. Automatica, 2018, 97, 278-285.	5.0	63
14	Robust H_∞ filtering for Markov jump systems with mode-dependent quantized output and partly unknown transition probabilities. Signal Processing, 2017, 137, 328-338.	3.7	59
15	Finite-Horizon L_2 - L_∞ Synchronization for Time-Varying Markovian Jump Neural Networks Under Mixed-Type Attacks: Observer-Based Case. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1695-1704.	11.3	59
16	State Estimation for Periodic Neural Networks With Uncertain Weight Matrices and Markovian Jump Channel States. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1841-1850.	9.3	48
17	Quasi-Synchronization of Time Delay Markovian Jump Neural Networks With Impulsive-Driven Transmission and Fading Channels. IEEE Transactions on Cybernetics, 2020, 50, 4121-4131.	9.5	47
18	Asynchronous Filtering of Nonlinear Markov Jump Systems with Randomly Occurred Quantization via T-S Fuzzy Models. IEEE Transactions on Fuzzy Systems, 2017, , 1-1.	9.8	44

#	ARTICLE	IF	CITATIONS
19	Reliable Control Against Sensor Failures for Markov Jump Systems With Unideal Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 308-316.	9.3	41
20	Optimal Estimation and Control for Lossy Network: Stability, Convergence, and Performance. IEEE Transactions on Automatic Control, 2017, 62, 4564-4579.	5.7	39
21	Filtering of T&S Fuzzy Systems With Nonuniform Sampling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2442-2450.	9.3	27
22	Quasi-Synchronization for Periodic Neural Networks With Asynchronous Target and Constrained Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4379-4388.	9.3	26
23	Sliding mode control for state-delayed Markov jump systems with partly unknown transition probabilities. Nonlinear Dynamics, 2018, 91, 475-486.	5.2	25
24	Dissipativity-based asynchronous filtering for periodic Markov jump systems. Information Sciences, 2017, 420, 505-516.	6.9	24
25	Observer-Based Impulsive Synchronization for Neural Networks With Uncertain Exchanging Information. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3777-3787.	11.3	24
26	State Estimation for Networked Systems With Markov Driven Transmission and Buffer Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7727-7734.	9.3	24
27	Dynamic Event-Triggered State Estimation for Markov Jump Neural Networks With Partially Unknown Probabilities. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7438-7447.	11.3	24
28	Event-Triggered Control for Markov Jump Systems Subject to Mismatched Modes and Strict Dissipativity. IEEE Transactions on Cybernetics, 2023, 53, 1537-1546.	9.5	21
29	Nonfragile Observer-Based Control for Markovian Jump Systems Subject to Asynchronous Modes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3533-3540.	9.3	20
30	Dissipativity-based filtering of nonlinear periodic Markovian jump systems: The discrete-time case. Neurocomputing, 2016, 171, 807-814.	5.9	18
31	Lebesgue-Approximation Model Predictive Control of Nonlinear Sampled-Data Systems. IEEE Transactions on Automatic Control, 2020, 65, 4047-4060.	5.7	17
32	Event-Triggered and Asynchronous Reduced-Order Filtering Codesign for Fuzzy Markov Jump Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3937-3946.	9.3	15
33	Passive filter design for periodic stochastic systems with quantized measurements and randomly occurring nonlinearities. Journal of the Franklin Institute, 2016, 353, 144-159.	3.4	12
34	Filtering of two-dimensional periodic Roesser systems subject to dissipativity. Information Sciences, 2018, 460-461, 364-373.	6.9	9
35	Adaptive sliding mode control of switched systems with different input matrix. International Journal of Control, Automation and Systems, 2017, 15, 2500-2506.	2.7	9
36	Hybrid Hierarchical Backtracking Search Optimization Algorithm and Its Application. Arabian Journal for Science and Engineering, 2018, 43, 993-1014.	3.0	8

#	ARTICLE	IF	CITATIONS
37	Set-membership filtering for complex networks with constraint communication channels. <i>Neural Networks</i> , 2022, 152, 479-486.	5.9	8
38	Teaching-inspired learning-based optimization with differential and repulsion learning for global optimization and nonlinear modeling. <i>Soft Computing</i> , 2018, 22, 7177-7205.	3.6	7
39	Observer-based sliding mode control of Markov jump systems with random sensor delays and partly unknown transition rates. <i>International Journal of Systems Science</i> , 2017, 48, 2985-2996.	5.5	5
40	Dynamic event-triggered and asynchronous sliding mode control for T-S fuzzy Markov jump systems. <i>Nonlinear Dynamics</i> , 2022, 109, 911-924.	5.2	5
41	Asynchronous filtering for Markov jump systems within finite time: A general event-triggered communication. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 114, 106634.	3.3	5
42	Reliable Control for Two-Dimensional Systems Subject to Extended Dissipativity. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 2760-2765.	9.3	4
43	Quantized fuzzy passification for nonlinear systems with Markov-based transmission delays. <i>Journal of the Franklin Institute</i> , 2017, 354, 1875-1891.	3.4	2
44	State estimation for neural networks with jumping interval weight matrices and transmission delays. <i>Neurocomputing</i> , 2018, 275, 909-915.	5.9	2
45	An enhanced colliding bodies optimization and its application. <i>Artificial Intelligence Review</i> , 2020, 53, 1127-1186.	15.7	1