Sen Kuang

List of Publications by Year
in descending order

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30 papers	396 citations	1040056 9 h-index	752698 20 g-index
30 all docs	30 docs citations	30 times ranked	115 citing authors

#	Article	IF	Citations
1	Rapid Feedback Stabilization of Quantum Systems With Application to Preparation of Multiqubit Entangled States. IEEE Transactions on Cybernetics, 2022, 52, 11213-11225.	9.5	7
2	Approximate bang-bang control assisted rapid switching feedback stabilization for stochastic qubit systems. Journal of the Franklin Institute, 2022, 359, 2073-2091.	3.4	4
3	Enhancing the precision of multi-parameter estimation for two-level open quantum system by mixed control. Quantum Information Processing, 2022, 21, .	2.2	0
4	Finite-time stabilization control of quantum systems. Automatica, 2021, 123, 109327.	5.0	16
5	Coherent H^{infty} Control for Linear Quantum Systems With Uncertainties in the Interaction Hamiltonian. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 432-440.	13.1	11
6	Two-step feedback preparation of entanglement for qubit systems with time delay. Automatica, 2021, 125, 109174.	5.0	8
7	Quantum-behaved PSO-based Lyapunov control of closed quantum systems. , 2021, , .		0
8	A Fusion Measurement Approach to Improve Quantum State Tomography Efficiency and Accuracy. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3049-3060.	4.7	4
9	Lyapunov Control of High-Dimensional Closed Quantum Systems Based on Particle Swarm Optimization. IEEE Access, 2020, 8, 49765-49774.	4.2	8
10	PSO-assisted Lyapunov control design for quantum systems. , 2020, , .		1
11	Robustness of continuous nonâ€smooth finiteâ€time Lyapunov control for twoâ€level quantum systems. IET Control Theory and Applications, 2020, 14, 2449-2454.	2.1	3
12	Lyapunov Control of Quantum Systems Based on Energy-Level Connectivity Graphs. IEEE Transactions on Control Systems Technology, 2019, 27, 2315-2329.	5.2	14
13	Optimal Noise Suppression of Phase Damping Quantum Systems via Weak Measurement. Journal of Systems Science and Complexity, 2019, 32, 1264-1279.	2.8	10
14	Feedback preparation of Bell states for two-qubit systems with time delay. , 2019, , .		3
15	Coherent H âˆž control for linear quantum passive systems with model uncertainties. IET Control Theory and Applications, 2019, 13, 711-720.	2.1	9
16	Stability of a Class of Linear Quantum Feedback Systems with Time Delays. , 2018, , .		0
17	Approximate time-optimal control of quantum ensembles based on sampling and learning. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1858-1863.	2.1	6
18	Orbit consensus of quantum networks based on interaction design. Journal of the Franklin Institute, 2018, 355, 5114-5134.	3.4	0

#	Article	IF	Citations
19	Rapid Lyapunov control for decoherence-free subspaces of Markovian open quantum systems. Journal of the Franklin Institute, 2017, 354, 439-455.	3.4	17
20	Bell state preparation based on switching between quantum system models. Journal of Systems Science and Complexity, 2017, 30, 347-356.	2.8	5
21	Rapid Lyapunov control of finite-dimensional quantum systems. Automatica, 2017, 81, 164-175.	5.0	61
22	Feedback stabilization of N-dimensional stochastic quantum systems based on bang-bang control. Control Theory and Technology, 2017, 15, 206-218.	1.6	1
23	Lyapunov-Based Feedback Preparation of GHZ Entanglement of N -Qubit Systems. IEEE Transactions on Cybernetics, 2017, 47, 3827-3839.	9.5	33
24	Rapid control of two-qubit systems based on measurement feedback. , 2017, , .		1
25	Feedback preparation of maximally entangled states of twoâ€qubit systems. IET Control Theory and Applications, 2016, 10, 339-345.	2.1	13
26	An improved robust ADMM algorithm for quantum state tomography. Quantum Information Processing, 2016, 15, 2343-2358.	2.2	10
27	A Convergent Control Strategy for Quantum Systems. Journal of Systems Science and Information, 2014, 2, 255-266.	0.6	0
28	Approximate bang-bang Lyapunov control for closed quantum systems. , 2014, , .		4
29	Generalized control of quantum systems in the frame of vector treatment. Journal of Control Theory and Applications, 2009, 7, 395-399.	0.8	3
30	Lyapunov control methods of closed quantum systems. Automatica, 2008, 44, 98-108.	5.0	144