

# Sen Kuang

## List of Publications by Year in descending order

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30  
papers

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citations

1040056

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h-index

752698

20  
g-index

30  
all docs

30  
docs citations

30  
times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lyapunov control methods of closed quantum systems. <i>Automatica</i> , 2008, 44, 98-108.	5.0	144
2	Rapid Lyapunov control of finite-dimensional quantum systems. <i>Automatica</i> , 2017, 81, 164-175.	5.0	61
3	Lyapunov-Based Feedback Preparation of GHZ Entanglement of $N$ -Qubit Systems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 3827-3839.	9.5	33
4	Rapid Lyapunov control for decoherence-free subspaces of Markovian open quantum systems. <i>Journal of the Franklin Institute</i> , 2017, 354, 439-455.	3.4	17
5	Finite-time stabilization control of quantum systems. <i>Automatica</i> , 2021, 123, 109327.	5.0	16
6	Lyapunov Control of Quantum Systems Based on Energy-Level Connectivity Graphs. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 2315-2329.	5.2	14
7	Feedback preparation of maximally entangled states of two-qubit systems. <i>IET Control Theory and Applications</i> , 2016, 10, 339-345.	2.1	13
8	Coherent $H^\infty$ Control for Linear Quantum Systems With Uncertainties in the Interaction Hamiltonian. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 432-440.	13.1	11
9	An improved robust ADMM algorithm for quantum state tomography. <i>Quantum Information Processing</i> , 2016, 15, 2343-2358.	2.2	10
10	Optimal Noise Suppression of Phase Damping Quantum Systems via Weak Measurement. <i>Journal of Systems Science and Complexity</i> , 2019, 32, 1264-1279.	2.8	10
11	Coherent $H^\infty$ control for linear quantum passive systems with model uncertainties. <i>IET Control Theory and Applications</i> , 2019, 13, 711-720.	2.1	9
12	Lyapunov Control of High-Dimensional Closed Quantum Systems Based on Particle Swarm Optimization. <i>IEEE Access</i> , 2020, 8, 49765-49774.	4.2	8
13	Two-step feedback preparation of entanglement for qubit systems with time delay. <i>Automatica</i> , 2021, 125, 109174.	5.0	8
14	Rapid Feedback Stabilization of Quantum Systems With Application to Preparation of Multiqubit Entangled States. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 11213-11225.	9.5	7
15	Approximate time-optimal control of quantum ensembles based on sampling and learning. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1858-1863.	2.1	6
16	Bell state preparation based on switching between quantum system models. <i>Journal of Systems Science and Complexity</i> , 2017, 30, 347-356.	2.8	5
17	Approximate bang-bang Lyapunov control for closed quantum systems. , 2014, , .		4
18	A Fusion Measurement Approach to Improve Quantum State Tomography Efficiency and Accuracy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 3049-3060.	4.7	4

#	ARTICLE	IF	CITATIONS
19	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
20	Generalized control of quantum systems in the frame of vector treatment. Journal of Control Theory and Applications, 2009, 7, 395-399.	0.8	3
21	Feedback preparation of Bell states for two-qubit systems with time delay. , 2019, , .		3
22	Robustness of continuous non-smooth finite-time Lyapunov control for two-level quantum systems. IET Control Theory and Applications, 2020, 14, 2449-2454.	2.1	3
23	Feedback stabilization of N-dimensional stochastic quantum systems based on bang-bang control. Control Theory and Technology, 2017, 15, 206-218.	1.6	1
24	Rapid control of two-qubit systems based on measurement feedback. , 2017, , .		1
25	PSO-assisted Lyapunov control design for quantum systems. , 2020, , .		1
26	A Convergent Control Strategy for Quantum Systems. Journal of Systems Science and Information, 2014, 2, 255-266.	0.6	0
27	Stability of a Class of Linear Quantum Feedback Systems with Time Delays. , 2018, , .		0
28	Orbit consensus of quantum networks based on interaction design. Journal of the Franklin Institute, 2018, 355, 5114-5134.	3.4	0
29	Quantum-behaved PSO-based Lyapunov control of closed quantum systems. , 2021, , .		0
30	Enhancing the precision of multi-parameter estimation for two-level open quantum system by mixed control. Quantum Information Processing, 2022, 21, .	2.2	0