Kai-Yu Qin

List of Publications by Year
in descending order

48 papers	477 citations	759233 12 h-index	752698 20 g-index
49 all docs	49 docs citations	49 times ranked	379 citing authors

#	Article	IF	Citations
1	Global Energy Consumption Optimization for UAV Swarm Topology Shaping. Energies, 2022, 15, 2416.	3.1	2
2	A Relative Coordinate-Based Topology Shaping Method for UAV Swarm with Low Computational Complexity. Applied Sciences (Switzerland), 2022, 12, 2631.	2.5	2
3	A Grey Wolf optimizer-Based Topology Shaping Method for UAV Swarm. , 2022, , .		0
4	Propagation Characteristics of Hermite–Gaussian Beam under Pointing Error in Free Space. Photonics, 2022, 9, 478.	2.0	4
5	Average irradiance with boresight pointing errors for flat-topped beam under atmospheric turbulence. Optics Communications, 2022, 522, 128703.	2.1	0
6	Physical Layer Secure MIMO Communications Against Eavesdroppers With Arbitrary Number of Antennas. IEEE Transactions on Information Forensics and Security, 2021, 16, 466-481.	6.9	24
7	Joint Power Allocation and Relay Beamforming Optimization for Weighted Sum-Rate Maximization in NOMA AF Relay System. IEEE Communications Letters, 2021, 25, 219-223.	4.1	6
8	Single-Layer Phase Screen With Pointing Errors for Free Space Optical Communication. IEEE Access, 2021, 9, 104070-104078.	4.2	4
9	Performance research on flat-topped beam-based small satellites free space optical communication. Optics Communications, 2021, 487, 126802.	2.1	7
10	Passivity-based distributed tracking control of uncertain agents via a neural network combined with UDE. Neurocomputing, 2021, 449, 342-356.	5.9	8
11	Generalized multiset theory. Fuzzy Sets and Systems, 2020, 380, 104-130.	2.7	2
12	Secure MIMO-SVD Communications Against Eavesdroppers With Any Number of Antennas. IEEE Transactions on Vehicular Technology, 2020, 69, 11077-11089.	6.3	7
13	On the Security–Reliability and Secrecy Throughput of Random Mobile User in Internet of Things. IEEE Internet of Things Journal, 2020, 7, 10635-10649.	8.7	18
14	Rejecting the effects of both input disturbance and measurement noise: A second–order control system example. International Journal of Robust and Nonlinear Control, 2020, 30, 6813-6837.	3.7	9
15	A Low-Complexity Suboptimal Method for Two-Dimensional Crest Factor Reduction of Concurrent Dual-Band Signals. IEEE Communications Letters, 2020, 24, 2908-2912.	4.1	1
16	Neural network based adaptive tracking of nonlinear multi-agent system. Journal of Electronic Science and Technology, 2020, , 100043.	3.6	3
17	Novel Sector Two-Dimensional Crest Factor Reduction Techniques for Performance Improvement in Dual-Band System. IEEE Access, 2020, 8, 108811-108820.	4.2	0
18	Distributed adaptive tracking control of nonlinear multi-agent systems with input saturation. , 2020, , .		0

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19	Distributed trajectory tracking and formation control without velocity measurements by the notion of prior bounded local neighborhood synchronization error. Measurement and Control, 2020, 53, 577-588.	1.8	4
20	A Hybrid Approach to Reduce the PAPR of OFDM Signals Using Clipping and Companding. IEEE Access, 2020, 8, 18984-18994.	4.2	25
21	Research on a Unified Framework Based on Linear Frequency Modulation and Orthogonal Frequency-Division Multiplexing. Journal of Computer Networks and Communications, 2019, 2019, 1-7.	1.6	0
22	Distributed formation control of double-integrator fractional-order multi-agent systems with relative damping and nonuniform time-delays. Journal of the Franklin Institute, 2019, 356, 5122-5150.	3.4	13
23	Distributed formation control of fractional-order multi-agent systems with relative damping and nonuniform time-delays. ISA Transactions, 2019, 93, 189-198.	5.7	19
24	Distributed control of uncertain multiagent systems for tracking a leader with unknown fractionalâ€order dynamics. International Journal of Robust and Nonlinear Control, 2019, 29, 2254-2271.	3.7	16
25	A Novel Method of Signal Fusion Based on Dimension Expansion. Circuits, Systems, and Signal Processing, 2018, 37, 4295-4318.	2.0	3
26	An Estimator-Based Feedback Control Approach for Measurement Noise Rejection. , 2018, , .		2
27	Consensus of Multi-Integral Fractional-Order Multiagent Systems with Nonuniform Time-Delays. Complexity, 2018, 2018, 1-24.	1.6	6
28	Consensus of Delayed Fractional-Order Multiagent Systems Based on State-Derivative Feedback. Complexity, 2018, 2018, 1-12.	1.6	6
29	Distributed consensus control for double-integrator fractional-order multi-agent systems with nonuniform time-delays. Neurocomputing, 2018, 321, 369-380.	5.9	25
30	Cooperative multiâ€agent sweep coverage control for unknown areas of irregular shape. IET Control Theory and Applications, 2018, 12, 1983-1994.	2.1	12
31	Consensus of Fractional-Order Multiagent Systems with Double Integral and Time Delay. Mathematical Problems in Engineering, 2018, 2018, 1-12.	1.1	1
32	Consensus of Fractional-Order Multiagent Systems with Nonuniform Time Delays. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	7
33	Arbitrary Block-Sparse Signal Reconstruction Based on Incomplete Single Measurement Vector. Circuits, Systems, and Signal Processing, 2017, 36, 4569-4592.	2.0	3
34	A High-Efficiency Multiplierless Symbol Synchronization Algorithm for IEEE802.11x WLANs. Wireless Personal Communications, 2017, 94, 1737-1749.	2.7	1
35	Model Based Edge-Preserving and Guided Filter for Real-World Hazy Scenes Visibility Restoration. Cognitive Computation, 2017, 9, 468-481.	5.2	4
36	Consensus Conditions for High-Order Multiagent Systems with Nonuniform Delays. Mathematical Problems in Engineering, 2017, 2017, 1-12.	1.1	4

#	Article	IF	Citations
37	Distributed Robust Hˆž Consensus Control for Uncertain Multiagent Systems with State and Input Delays. Mathematical Problems in Engineering, 2017, 2017, 1-15.	1.1	4
38	A novel compressive sampling system for chirp signal. IEICE Electronics Express, 2017, 14, 20170204-20170204.	0.8	2
39	Distributed Control for Multiagent Consensus Motions with Nonuniform Time Delays. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	9
40	Distributed Control of Networked Unmanned Aerial Vehicles for Valley Area Coverage. Mobile Information Systems, 2016, 2016, 1-12.	0.6	0
41	A greedy pursuit algorithm for arbitrary block sparse signal recovery. , 2016, , .		7
42	A general method for analog test point selection using multi-frequency analysis. Analog Integrated Circuits and Signal Processing, 2015, 84, 185-200.	1.4	6
43	Distributed robust Hˆž rotating consensus control for directed networks of second-order agents with mixed uncertainties and time-delay. Neurocomputing, 2015, 148, 332-339.	5.9	26
44	Convolution, correlation, and sampling theorems for the offset linear canonical transform. Signal, Image and Video Processing, 2014, 8, 433-442.	2.7	51
45	Greedy randomized adaptive search procedure for analog test point selection. Analog Integrated Circuits and Signal Processing, 2014, 79, 371-383.	1.4	14
46	Multichannel Sampling of Signals Band-Limited in Offset Linear Canonical Transform Domains. Circuits, Systems, and Signal Processing, 2013, 32, 2385-2406.	2.0	30
47	Quantum-inspired evolutionary algorithm for analog test point selection. Analog Integrated Circuits and Signal Processing, 2013, 75, 491-498.	1.4	10
48	Collective rotating motions of second-order multi-agent systems in three-dimensional space. Systems and Control Letters, 2011, 60, 365-372.	2.3	70