

Qiang Ling

List of Publications by Year in descending order

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88
papers

1,846
citations

331670

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88
all docs

88
docs citations

88
times ranked

1285
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on recent progress in on-line monitoring technology for atmospheric pollution source emissions in China. Journal of Environmental Sciences, 2023, 123, 367-386.	6.1	15
2	Bit-Rate Conditions for the Consensus of Quantized Multiagent Systems Based on Event Triggering. IEEE Transactions on Cybernetics, 2022, 52, 116-127.	9.5	16
3	Event-Triggered Stabilizing Bit Rate Conditions for an n -Dimensional Linear System With i.i.d. Feedback Dropouts. IEEE Transactions on Cybernetics, 2022, 52, 8032-8046.	9.5	2
4	An event-triggered consensus protocol for quantized second-order multi-agent systems with network delay and process noise. ISA Transactions, 2022, 125, 31-41.	5.7	8
5	Event-triggered stabilization of multi-dimensional nonlinear systems under communication constraints. International Journal of Robust and Nonlinear Control, 2022, 32, 1004-1025.	3.7	1
6	Event-triggered stabilization of uncertain scalar switched linear systems with bounded network delay. ISA Transactions, 2022, 129, 28-40.	5.7	2
7	Quantized stabilization of event-triggered systems under independent and identical distributed packet dropouts. International Journal of Robust and Nonlinear Control, 2022, 32, 7860-7878.	3.7	1
8	Bit Rate Conditions to Asynchronously Stabilize Event-triggered Multi-dimensional Linear Systems. International Journal of Control, Automation and Systems, 2022, 20, 2107-2119.	2.7	0
9	Model-Based Periodic Event-Triggered Control Strategy to Stabilize a Scalar Nonlinear System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5322-5335.	9.3	9
10	Supervised Pixel-Wise GAN for Face Super-Resolution. IEEE Transactions on Multimedia, 2021, 23, 1938-1950.	7.2	39
11	Multimodal Inputs Driven Talking Face Generation With Spatial-Temporal Dependency. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 203-216.	8.3	25
12	Bit-Rate Conditions for the Consensus of Quantized Multiagent Systems With Network-Induced Delays Based on Event Triggering. IEEE Transactions on Cybernetics, 2021, 51, 984-993.	9.5	18
13	Bilateral Upsampling Network for Single Image Super-Resolution With Arbitrary Scaling Factors. IEEE Transactions on Image Processing, 2021, 30, 4395-4408.	9.8	3
14	Multi-Component Fusion Temporal Networks to Predict Vehicle Exhaust Based on Remote Monitoring Data. IEEE Access, 2021, 9, 42358-42369.	4.2	9
15	Recurrent knowledge tracing machine based on the knowledge state of students. Expert Systems, 2021, 38, e12782.	4.5	3
16	High-efficiency swarm intelligent maximum power point tracking control techniques for varying temperature and irradiance. Energy, 2021, 228, 120602.	8.8	33
17	Adaptively Meshed Video Stabilization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3504-3517.	8.3	11
18	Maximum energy harvesting of centralized thermoelectric power generation systems with non-uniform temperature distribution based on novel equilibrium optimizer. Energy Conversion and Management, 2021, 246, 114694.	9.2	31

#	ARTICLE	IF	CITATIONS
19	Mean square stabilization of a scalar nonlinear system with i.i.d. feedback dropouts based on periodic event-triggering. , 2021, , .		1
20	An Intelligent Tunicate Swarm Algorithm Based MPPT Control Strategy for Multiple Configurations of PV Systems Under Partial Shading Conditions. Advanced Theory and Simulations, 2021, 4, 2100246.	2.8	12
21	Learning to Rank Proposals for Siamese Visual Tracking. IEEE Transactions on Image Processing, 2021, 30, 8785-8796.	9.8	14
22	Event-triggered distributed dynamic output-feedback dissipative control of multi-weighted and multi-delayed large-scale systems. ISA Transactions, 2020, 96, 116-131.	5.7	12
23	Necessary and Sufficient Bit Rate Conditions to Stabilize a Scalar Continuous-Time LTI System Based on Event Triggering. IEEE Transactions on Automatic Control, 2020, 65, 1598-1612.	5.7	18
24	Contour-Aware Long-Term Tracking With Reliable Re-Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4739-4754.	8.3	11
25	A novel MPPT technique based on Henry gas solubility optimization. Energy Conversion and Management, 2020, 225, 113409.	9.2	48
26	Harris hawk optimization-based MPPT control for PV systems under partial shading conditions. Journal of Cleaner Production, 2020, 274, 122857.	9.3	124
27	Sufficient stabilizing bit rate conditions for ann-dimensional nonlinear system based on event triggering. ISA Transactions, 2020, 105, 146-156.	5.7	2
28	Advanced Variable Step Size Incremental Conductance MPPT for a Standalone PV System Utilizing a GA-Tuned PID Controller. Energies, 2020, 13, 4153.	3.1	38
29	Bit rate conditions to stabilise a scalar linear system with measurement noise based on event triggering. International Journal of Systems Science, 2020, 51, 655-668.	5.5	0
30	Edge-Guided Depth Image Super-Resolution Based on KSVD. IEEE Access, 2020, 8, 41108-41115.	4.2	6
31	Event-triggered distributed fault detection and control of multi-weighted and multi-delayed large-scale systems. Journal of the Franklin Institute, 2020, 357, 6041-6082.	3.4	7
32	Feedback Stabilization of Switched Linear Systems With Bounded Network Delay Under Finite Data Rates. IEEE Access, 2020, 8, 25468-25480.	4.2	3
33	A Salp-Swarm Optimization based MPPT technique for harvesting maximum energy from PV systems under partial shading conditions. Energy Conversion and Management, 2020, 209, 112625.	9.2	122
34	PWStableNet: Learning Pixel-Wise Warping Maps for Video Stabilization. IEEE Transactions on Image Processing, 2020, 29, 3582-3595.	9.8	42
35	Novel Grass Hopper optimization based MPPT of PV systems for complex partial shading conditions. Solar Energy, 2020, 198, 499-518.	6.1	105
36	Event-Triggered Stabilization of a Linear System With Model Uncertainty and i.i.d. Feedback Dropouts. IEEE Transactions on Cybernetics, 2020, , 1-14.	9.5	1

#	ARTICLE	IF	CITATIONS
37	Event-triggered Control for Linear Systems with Model Uncertainty and Clock Offset. International Journal of Control, Automation and Systems, 2020, 18, 2552-2561.	2.7	1
38	Event-triggered feedback stabilisation of switched linear systems under finite bit rates. IET Control Theory and Applications, 2020, 14, 3428-3439.	2.1	1
39	Stabilization of Traffic Videos Based on Both Foreground and Background Feature Trajectories. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2215-2228.	8.3	7
40	Synthesizing 3D Trump: Predicting and Visualizing the Relationship Between Text, Speech, and Articulatory Movements. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 2223-2233.	5.8	1
41	Robust quantized consensus of discrete multi-agent systems under input saturation. Journal of the Franklin Institute, 2019, 356, 2934-2959.	3.4	5
42	Bit rate conditions to stabilize an uncertain scalar continuous-time linear system with clock offset. International Journal of Robust and Nonlinear Control, 2019, 29, 4209.	3.7	1
43	Spatial-aware correlation filters with adaptive weight maps for visual tracking. Neurocomputing, 2019, 358, 369-384.	5.9	5
44	Sufficient bit rate conditions to stabilize an uncertain scalar nonlinear system based on event triggering. Journal of the Franklin Institute, 2019, 356, 6106-6144.	3.4	2
45	A Robust Traffic Video Stabilization Method Assisted by Foreground Feature Trajectories. IEEE Access, 2019, 7, 42921-42933.	4.2	6
46	Adaptive Convolution for Object Detection. IEEE Transactions on Multimedia, 2019, 21, 3205-3217.	7.2	29
47	Novel MPPT techniques for photovoltaic systems under uniform irradiance and Partial shading. Solar Energy, 2019, 184, 628-648.	6.1	101
48	Robust Quantized Consensus of Discrete Multi-Agent Systems in the Input-to-State Sense. IEEE Access, 2019, 7, 35699-35709.	4.2	4
49	A Fast Traffic Video Stabilization Method Based on Trajectory Derivatives. IEEE Access, 2019, 7, 13422-13432.	4.2	4
50	Periodic event-triggered stabilization of a scalar LTI system over inconsecutive packet drop without ACK. , 2019, , .		0
51	Vehicle Exhaust Concentration Estimation Based on an Improved Stacking Model. IEEE Access, 2019, 7, 179454-179463.	4.2	8
52	A Comprehensive Review on a PV Based System to Harvest Maximum Power. Electronics (Switzerland), 2019, 8, 1480.	3.1	39
53	BLTRCNN-Based 3-D Articulatory Movement Prediction: Learning Articulatory Synchronicity From Both Text and Audio Inputs. IEEE Transactions on Multimedia, 2019, 21, 1621-1632.	7.2	13
54	A robust quantized consensus protocol for discrete-time multi-agent systems with additive noise. ISA Transactions, 2019, 86, 29-38.	5.7	15

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55	Improving hierarchical mobile video caching through distributed cross-layer coordination. Multimedia Tools and Applications, 2019, 78, 6049-6071.	3.9	0
56	An Iterative Feedback-Based Change Detection Algorithm for Flood Mapping in SAR Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 231-235.	3.1	19
57	Periodic Event-Triggered Quantization Policy Design for a Scalar LTI System With i.i.d. Feedback Dropouts. IEEE Transactions on Automatic Control, 2019, 64, 343-350.	5.7	26
58	Battery Health Prognosis Using Brownian Motion Modeling and Particle Filtering. IEEE Transactions on Industrial Electronics, 2018, 65, 8646-8655.	7.9	176
59	A Feedback-Based Robust Video Stabilization Method for Traffic Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 561-572.	8.3	22
60	Vehicle Emission Forecasting Based on Wavelet Transform and Long Short-Term Memory Network. IEEE Access, 2018, 6, 56984-56994.	4.2	31
61	Discriminative Deep Feature Learning for Semantic-Based Image Retrieval. IEEE Access, 2018, 6, 44268-44280.	4.2	19
62	Bit-Rate Conditions to Stabilize a Continuous-Time Linear System With Feedback Dropouts. IEEE Transactions on Automatic Control, 2018, 63, 2176-2183.	5.7	30
63	A sufficient bit rate condition for stabilizing a scalar continuous-time nonlinear system with bounded processing delay. , 2018, , .		4
64	Sufficient conditions to stabilize time-varying nonlinear sampled-data systems via approximation. International Journal of Robust and Nonlinear Control, 2017, 27, 108-120.	3.7	5
65	An Iterative Method for Control Gain Design of Multiagent Systems With Process Noise. IEEE Transactions on Control Systems Technology, 2017, 25, 1905-1911.	5.2	1
66	Bit Rate Conditions to Stabilize a Continuous-Time Scalar Linear System Based on Event Triggering. IEEE Transactions on Automatic Control, 2017, 62, 4093-4100.	5.7	60
67	An adaptive popularity tracking algorithm for dynamic content caching for radio access networks. , 2017, , .		6
68	Special issue on control of complex systems. Control Theory and Technology, 2016, 14, 261-262.	1.6	4
69	A novel gain design method to improve the consensus performance of output-feedback multi-agent systems. Control Theory and Technology, 2016, 14, 335-346.	1.6	0
70	Stabilizing bit rate conditions for a scalar continuous time linear system with bounded processing delay and bounded process noise. , 2016, , .		10
71	A sufficient bit rate condition for mean-square stabilisation of linear systems over multiple lossy networks. IET Control Theory and Applications, 2016, 10, 1531-1538.	2.1	2
72	A feedback-based adaptive data migration method for hybrid storage VOD caching systems. Multimedia Tools and Applications, 2016, 75, 165-180.	3.9	5

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73	An adaptive caching algorithm suitable for time-varying user accesses in VOD systems. Multimedia Tools and Applications, 2015, 74, 11117-11137.	3.9	8
74	Adaptive Decision Fusion with a Guidance Sensor in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 643732.	2.2	0
75	Robust Switching Control Strategy for a Transmission System with Unknown Backlash. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	5
76	Optimal dropout policies for networked control systems. Optimal Control Applications and Methods, 2013, 34, 531-546.	2.1	5
77	Bounds on the optimal quantization performance of dynamically quantized linear systems with bounded noise. Asian Journal of Control, 2012, 14, 538-547.	3.0	3
78	How Many Low-Precision Sensors are Enough for Reliable Detection?. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 3001-3006.	4.7	2
79	Asymptotic stabilization of dynamically quantized nonlinear systems in feedforward form. Journal of Control Theory and Applications, 2010, 8, 27-33.	0.8	2
80	A Necessary and Sufficient Feedback Dropout Condition to Stabilize Quantized Linear Control Systems With Bounded Noise. IEEE Transactions on Automatic Control, 2010, 55, 2590-2596.	5.7	30
81	Stability of quantized control systems under dynamic bit assignment. IEEE Transactions on Automatic Control, 2005, 50, 734-740.	5.7	89
82	Stability of quantized control systems under dynamic bit assignment. , 2004, , .		6
83	Power Spectral Analysis of Networked Control Systems With Data Dropouts. IEEE Transactions on Automatic Control, 2004, 49, 955-960.	5.7	81
84	Control system performance under dynamic quantization: the scalar case. , 2004, , .		13
85	Stability of quantized linear systems with bounded noise under dynamic bit assignment. , 2004, , .		4
86	Robust performance of soft real-time networked control systems with data dropouts. , 0, , .		80
87	Soft real-time scheduling of networked control systems with dropouts governed by a Markov chain. , 0, , .		61
88	Scheduling Tasks with Markov-Chain Based Constraints. , 0, , .		3