

Xianwei Li

List of Publications by Year in descending order

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65
papers

2,895
citations

257450

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docs citations

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times ranked

2213
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-Triggered Multiagent Consensus Under Relative Output Sensing. IEEE Transactions on Cybernetics, 2024, 54, 915-928.	9.5	1
2	Finite-Time Cooperative Control for Bearing-Defined Leader-Following Formation of Multiple Double-Integrators. IEEE Transactions on Cybernetics, 2022, 52, 13363-13372.	9.5	14
3	Distributed model predictive control for multi-robot systems with conflicting signal temporal logic tasks. IET Control Theory and Applications, 2022, 16, 554-572.	2.1	4
4	Adaptive Event-Triggered Consensus of Multiagent Systems on Directed Graphs. IEEE Transactions on Automatic Control, 2021, 66, 1670-1685.	5.7	168
5	Bearing-Only Formation Tracking Control of Multi-Agent Systems With Local Reference Frames and Constant-Velocity Leaders. , 2021, 5, 1-6.		29
6	Multi-Agent Consensus with Event-Triggered Communication and Relative Output Sensing. , 2021, , .		1
7	Reduced-Order Output-Feedback Bipartite Consensus of Linear Multi-Agent Systems. , 2021, , .		0
8	A Reduced-Order Protocol for Bipartite Consensus of Linear Multi-Agent Systems. , 2021, , .		0
9	Fully Distributed Consensus Control for Linear Multiagent Systems: A Reduced-Order Adaptive Feedback Approach. IEEE Transactions on Control of Network Systems, 2020, 7, 967-976.	3.7	27
10	A Dynamic Event-Triggered Approach to Multi-Agent Consensus. , 2020, , .		5
11	Consensus of multi-agent systems via fully distributed event-triggered control. Automatica, 2020, 116, 108898.	5.0	208
12	Enhancing Adaptive Event-Triggered Protocols for Multi-Agent Consensus with External Disturbances. , 2020, , .		0
13	Unconstrained Distributed Model Predictive Control for Double-Integrator Systems with Switching Interaction Graph. , 2019, , .		0
14	A Novel Reduced-Order Protocol for Consensus Control of Linear Multiagent Systems. IEEE Transactions on Automatic Control, 2019, 64, 3005-3012.	5.7	37
15	Finite Frequency H_{∞} Deconvolution With Application to Approximated Bandlimited Signal Recovery. IEEE Transactions on Automatic Control, 2018, 63, 203-210.	5.7	8
16	Event- Triggered Consensus of Multi-Agent Systems on Strongly Connected Graphs. , 2018, , .		3
17	Bounded Consensus of Linear Multi-Agent Systems with External Disturbances Through a Reduced-Order Adaptive Feedback Protocol. , 2018, , .		2
18	Robust consensus of uncertain linear multi-agent systems via dynamic output feedback. Automatica, 2018, 98, 114-123.	5.0	57

#	ARTICLE	IF	CITATIONS
19	Cooperative Output Regulation of Heterogeneous Linear Multi-Agent Networks via H_{∞} Performance Allocation. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	21
20	Finite-frequency H_{∞} control for offshore platforms subject to parametric model uncertainty and practical hard constraints. ISA Transactions, 2018, 83, 53-65.	5.7	21
21	Output-feedback protocols without controller interaction for consensus of homogeneous multi-agent systems: A unified robust control view. Automatica, 2017, 81, 37-45.	5.0	62
22	Output-feedback H_{∞} consensus of linear multi-agent systems over general directed graphs. , 2017, , .		3
23	Design of output-feedback protocols for robust consensus of uncertain linear multi-agent systems. , 2017, , .		8
24	An H_{∞} performance allocation approach to distributed output regulation of linear heterogeneous multi-agent systems. , 2016, , .		1
25	Delay-independent stability analysis of linear time-delay systems based on frequency discretization. Automatica, 2016, 70, 288-294.	5.0	49
26	Consensus of homogeneous multi-agent systems via output-feedback protocols without controller interaction: A unified robust control view. , 2016, , .		5
27	Generalized H_{∞} model reduction for stable two-dimensional discrete systems. Multidimensional Systems and Signal Processing, 2016, 27, 359-382.	2.6	20
28	and H_{∞} filtering for linear systems with uncertain Markov transitions. Automatica, 2016, 67, 252-266.	5.0	99
29	Load Mitigation for a Floating Wind Turbine via Generalized Structural Control. IEEE Transactions on Industrial Electronics, 2016, 63, 332-342.	7.9	55
30	Frequency-Limited H_{∞} Model Reduction for Positive Systems. IEEE Transactions on Automatic Control, 2015, 60, 1093-1098.	5.7	30
31	Robust Frequency-Domain Constrained Feedback Design via a Two-Stage Heuristic Approach. IEEE Transactions on Cybernetics, 2015, 45, 2065-2075.	9.5	27
32	A frequency-partitioning approach to stability analysis of two-dimensional discrete systems. Multidimensional Systems and Signal Processing, 2015, 26, 67-93.	2.6	34
33	Data-Based Techniques Focused on Modern Industry: An Overview. IEEE Transactions on Industrial Electronics, 2015, 62, 657-667.	7.9	822
34	Min-Max Approximation of Transfer Functions With Application to Filter Design. IEEE Transactions on Signal Processing, 2015, 63, 31-40.	5.3	4
35	Relationship between Schur-decomposition based frequency weighted balanced truncation techniques. , 2014, , .		0
36	Robust Filtering for Uncertain Systems. Communications and Control Engineering, 2014, , .	1.6	27

#	ARTICLE	IF	CITATIONS
37	A Heuristic Approach to Static Output-Feedback Controller Synthesis With Restricted Frequency-Domain Specifications. IEEE Transactions on Automatic Control, 2014, 59, 1008-1014.	5.7	92
38	A frequency-specific enhanced approach to transfer function approximation. , 2014, , .		1
39	Passivity-preserving model reduction with finite frequency H_∞ approximation performance. Automatica, 2014, 50, 2294-2303.	5.0	63
40	Reduced-Order Generalized H_∞ Filtering for Linear Discrete-Time Systems With Application to Channel Equalization. IEEE Transactions on Signal Processing, 2014, 62, 3393-3402.	5.3	23
41	Design of Δ -sigma modulators via generalized Kalman-Yakubovich-Popov lemma. Automatica, 2014, 50, 2700-2708.	5.0	20
42	Improved results on H_∞ model reduction for Markovian jump systems with partly known transition probabilities. Systems and Control Letters, 2014, 70, 109-117.	5.0	10
43	A New Approach to H_∞ Model Reduction for Positive Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3809-3814.	0.4	2
44	Robust Static Output-Feedback Control for Uncertain Linear Discrete-Time Systems via the Generalized KYP Lemma. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7430-7435.	0.4	1
45	Model reduction for two-dimensional systems with generalized H_∞ approximation performance. , 2014, , .		0
46	Robust Filtering for Uncertain 2-D Systems. Communications and Control Engineering, 2014, , 165-186.	1.6	2
47	Robust Filtering for Continuous Time-Delay Systems. Communications and Control Engineering, 2014, , 125-141.	1.6	0
48	Quadratic Robust Filter Design. Communications and Control Engineering, 2014, , 25-81.	1.6	0
49	Robust Estimation with Limited Communication Capacity. Communications and Control Engineering, 2014, , 189-218.	1.6	0
50	Finite Frequency H_∞ Filtering for Time-Delay Systems. Communications and Control Engineering, 2014, , 219-243.	1.6	0
51	Parameter-Dependent Robust Filter Design. Communications and Control Engineering, 2014, , 83-121.	1.6	0
52	Robust finite frequency H_∞ filtering for uncertain 2-D systems: The FM model case. Automatica, 2013, 49, 2446-2452.	5.0	77
53	An iterative LMI approach to IIR noise transfer function optimization for Δ -sigma modulators. , 2013, , .		5
54	Further control synthesis for time-delay systems with actuator saturation. Journal of Control Theory and Applications, 2013, 11, 128-131.	0.8	3

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55	Mixed Additive/Multiplicative H ∞ Model Reduction. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	1.6	4
56	Robust H ∞ filtering for 2-D FM systems: A finite frequency approach. , 2012, , .		2
57	Generalized Kalman-Yakubovich-Popov Lemma for 2-D FM LSS Model. IEEE Transactions on Automatic Control, 2012, 57, 3090-3103.	5.7	86
58	Robust finite frequency H_{∞} filtering for uncertain 2-D Roesser systems. Automatica, 2012, 48, 1163-1170.	5.0	143
59	Finite frequency approaches to H ∞ filtering for continuous-time state-delayed systems. , 2011, , .		2
60	A New Model Transformation of Discrete-Time Systems With Time-Varying Delay and Its Application to Stability Analysis. IEEE Transactions on Automatic Control, 2011, 56, 2172-2178.	5.7	198
61	H_{∞} Filtering for Discrete-Time State-Delayed Systems With Finite Frequency Specifications. IEEE Transactions on Automatic Control, 2011, 56, 2935-2941.	5.7	134
62	A Unified Approach to the Stability of Generalized Static Neural Networks With Linear Fractional Uncertainties and Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1275-1286.	5.0	94
63	Further results on H_{∞} filtering for discrete-time systems with state delay. International Journal of Robust and Nonlinear Control, 2011, 21, 248-270.	3.7	30
64	A delay-dependent approach to robust generalized H $_{\infty}$ filtering for uncertain continuous-time systems with interval delay. Signal Processing, 2011, 91, 2371-2378.	3.7	20
65	Generalized Kalman-Yakubovich-Popov lemma for 2-D FM LSS model and its application to finite frequency positive real control. , 2011, , .		1