

# Fucheng Liao

## List of Publications by Year in descending order

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docs citations

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times ranked

297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decentralized robust preview control for uncertain continuous-time interconnected systems. JVC/Journal of Vibration and Control, 2023, 29, 1700-1712.	1.5	2
2	Observer-based decentralized robust $H_\infty$ output tracking control with preview action for uncertain and disturbed nonlinear interconnected systems. Asian Journal of Control, 2022, 24, 626-641.	1.9	9
3	New results on observer-based robust preview tracking control for Lipschitz nonlinear systems. JVC/Journal of Vibration and Control, 2021, 27, 2081-2096.	1.5	9
4	Finite-Time Bounded Tracking Control for Fractional-Order Systems. IEEE Access, 2021, 9, 11014-11023.	2.6	3
5	Design of an optimal preview controller for linear discrete-time periodic systems. Transactions of the Institute of Measurement and Control, 2021, 43, 2637-2646.	1.1	2
6	Necessary and sufficient conditions for stabilisability of discrete-time time-varying switched systems. IET Control Theory and Applications, 2021, 15, 446-458.	1.2	3
7	Robust Tracking Control with Preview Action for Uncertain Discrete-time Systems. International Journal of Control, Automation and Systems, 2020, 18, 719-729.	1.6	9
8	Tracking Controller Design with Preview Action for a Class of Lipschitz Nonlinear Systems and its Applications. Circuits, Systems, and Signal Processing, 2020, 39, 2922-2947.	1.2	12
9	Observer-based trajectory tracking control with preview action for a class of discrete-time Lipschitz nonlinear systems and its applications. Advances in Mechanical Engineering, 2020, 12, 168781402092265.	0.8	6
10	$H_\infty$ decentralised output feedback preview tracking control via state observer for a class of nonlinear disturbed interconnected discrete systems. International Journal of Control, 2020, , 1-17.	1.2	4
11	Preview Tracking Control of Linear Periodic Switched Systems with Dwell Time. Mathematical Problems in Engineering, 2020, 2020, 1-9.	0.6	1
12	Preview Control for MIMO Discrete-Time System with Parameter Uncertainty. Mathematics, 2020, 8, 756.	1.1	3
13	Design of preview controller for a type of discrete-time interconnected systems. Measurement and Control, 2020, 53, 719-729.	0.9	1
14	Output tracking control with preview action for a class of continuous-time Lipschitz nonlinear systems and its applications. JVC/Journal of Vibration and Control, 2020, 26, 2081-2091.	1.5	5
15	Analysis of Predictor Feedback for Time-Varying Delays that may Assume Zero Value. , 2020, , .		0
16	Preview control for a class of linear stochastic systems with multiplicative noise. International Journal of Systems Science, 2019, 50, 2592-2603.	3.7	7
17	Preview control for continuous-time singular stochastic systems. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1950037.	0.9	2
18	The preview control of a class of linear systems and its application in the fault-tolerant control theory. International Journal of Systems Science, 2019, 50, 1017-1027.	3.7	9

#	ARTICLE	IF	CITATIONS
19	Optimal Preview Control for Linear Discrete-Time Periodic Systems. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-11.	0.6	6
20	Impulse Elimination and Fault-Tolerant Preview Controller Design for a Class of Descriptor Systems. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-13.	0.6	2
21	Preview Tracking Control for Continuous-Time Singular Interconnected Systems. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-13.	0.6	1
22	Cooperative preview tracking problem of discrete-time linear multi-agent systems: A distributed output regulation approach. <i>ISA Transactions</i> , 2019, 85, 33-48.	3.1	22
23	Preview tracking control for discrete-time nonlinear Lur <sup>e</sup> systems with sector-bounded nonlinearities. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 2726-2737.	1.1	5
24	Preview tracking control for a class of discrete-time Lipschitz non-linear time-delay systems. <i>IMA Journal of Mathematical Control and Information</i> , 2019, 36, 849-867.	1.1	4
25	Cooperative optimal preview tracking for linear descriptor multi-agent systems. <i>Journal of the Franklin Institute</i> , 2019, 356, 908-934.	1.9	42
26	Output feedback preview tracking control for discrete-time polytopic time-varying systems. <i>International Journal of Control</i> , 2019, 92, 2979-2989.	1.2	6
27	Optimal Tracking Control for Discrete-time Systems with Time-delay Based on the Preview Control Method. <i>Journal of Systems Science and Information</i> , 2019, 7, 452-461.	0.2	2
28	Design of Preview Controller for Linear Continuous-time Systems with Input Delay. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1080-1090.	1.6	15
29	Preview Tracking Control for a Class of Differentiable Nonlinear Systems. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 3259-3268.	1.7	7
30	Robust preview control for a class of uncertain discrete-time systems with time-varying delay. <i>ISA Transactions</i> , 2018, 73, 11-21.	3.1	33
31	Design of a robust $H_{\infty}$ preview controller for a class of uncertain discrete-time systems. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 2639-2650.	1.1	6
32	Optimal preview control for a class of linear continuous-time large-scale systems. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 4004-4013.	1.1	4
33	Robust Preview Control for Uncertain Discrete Singular Systems. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-9.	0.6	2
34	Robust Preview Control for a Class of Uncertain Discrete-Time Lipschitz Nonlinear Systems. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-15.	0.6	3
35	Finite-Time Bounded Tracking Control for Linear Discrete-Time Systems. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	0.6	1
36	Design of an Optimal Preview Controller for Dual-Rate Linear Discrete-Time Systems. <i>Journal of Systems Science and Information</i> , 2018, 6, 178-192.	0.2	1

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37	Optimal preview control for a linear continuous-time stochastic control system in finite-time horizon. <i>International Journal of Systems Science</i> , 2017, 48, 129-137.	3.7	52
38	Robust preview control for uncertain discrete-time systems based on LMI. <i>Optimal Control Applications and Methods</i> , 2017, 38, 1022-1031.	1.3	9
39	Preview Control of A Class of Uncertain Discrete-Time Systems. <i>Asian Journal of Control</i> , 2017, 19, 1542-1556.	1.9	11
40	Absolute stability of time-varying delay Lurie indirect control systems with unbounded coefficients. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	6
41	Cooperative global optimal preview tracking control of linear multi-agent systems: an internal model approach. <i>International Journal of Systems Science</i> , 2017, 48, 2451-2462.	3.7	21
42	Stabilization of Coupled ODE-PDE System with Intermediate Point and Spatially Varying Effects Interconnection. <i>Asian Journal of Control</i> , 2017, 19, 1060-1074.	1.9	11
43	Optimal preview control for seismic-excited active damping mechanical systems with earthquake actions. , 2017, , .		0
44	The pacemaker role of thalamic reticular nucleus in controlling spike-wave discharges and spindles. <i>Chaos</i> , 2017, 27, 073103.	1.0	21
45	Parameter-dependent preview control with robust tracking performance. <i>IET Control Theory and Applications</i> , 2017, 11, 38-46.	1.2	36
46	A design method of preview controller for linear continuous-time systems with multiple input delays. , 2017, , .		1
47	Design of an Optimal Preview Controller for a Class of Linear Discrete-Time Descriptor Systems. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-9.	0.6	0
48	Absolute stability of large-scale time-delay Lurie indirect control systems with unbounded coefficients. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	1
49	Optimal Preview Control for a Class of Linear Continuous Stochastic Control Systems in the Infinite Horizon. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	0.6	1
50	The Application of Predictor Feedback in Designing a Preview Controller for Discrete-Time Systems with Input Delay. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	0.6	3
51	Design of Optimal Output Regulators for Dual-Rate Linear Discrete-Time Systems Based on the Lifting Technique. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	0.6	4
52	Optimal Preview Control for Discrete-Time Systems in Multirate Output Sampling. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	0.6	2
53	Robust preview tracking control for a class of uncertain discrete-time systems. <i>Cogent Engineering</i> , 2016, 3, 1243033.	1.1	7
54	Adaptive preview control for piecewise discrete-time systems using multiple models. <i>Applied Mathematical Modelling</i> , 2016, 40, 9932-9946.	2.2	28

#	ARTICLE	IF	CITATIONS
55	Applications of the preview control method to the optimal problem for linear continuous-time stochastic systems with time-delay. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2016, 14, 1650045.	0.9	2
56	Cooperative optimal preview tracking control of continuous-time multi-agent systems. <i>International Journal of Control</i> , 2016, 89, 2019-2028.	1.2	33
57	Design of an optimal preview controller for linear time-varying discrete systems in a multirate setting. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2015, 13, 1550050.	0.9	5
58	Global Analysis of a Delayed Impulsive Lotka-Volterra Model with Holling III Type Functional Response. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-15.	0.6	0
59	Application of the Preview Control Method to the Optimal Tracking Control Problem for Continuous-Time Systems with Time-Delay. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-8.	0.6	10
60	Design of a Backstepping Tracking Controller for a Class of Linear Systems with Actuator Delay. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-10.	0.6	6
61	Optimal Control of Renewable Resources Based on the Effective Utilization Rate. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-7.	0.3	0
62	Novel Approach to Preview Control for a Class of Continuous-Time Systems. <i>Journal of Control Science and Engineering</i> , 2015, 2015, 1-6.	0.8	3
63	Design of an optimal preview controller for linear discrete-time descriptor systems with state delay. <i>International Journal of Systems Science</i> , 2015, 46, 932-943.	3.7	38
64	Preview control for impulse-free continuous-time descriptor systems. <i>International Journal of Control</i> , 2015, 88, 1142-1149.	1.2	29
65	Absolute Stability Criteria for Large-Scale Lurie Direct Control Systems with Time-Varying Coefficients. <i>Scientific World Journal, The</i> , 2014, 2014, 1-13.	0.8	3
66	Design of an Optimal Preview Controller for Linear Discrete-Time Descriptor Noncausal Multirate Systems. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11.	0.8	5
67	Design of a P-D feedback controller for continuous-time descriptor systems. , 2014, , .		1
68	An improved delay-dependent stability criterion for linear uncertain systems with multiple time-varying delays. <i>International Journal of Control</i> , 2014, 87, 861-873.	1.2	17
69	Boundary Control for a Kind of Coupled PDE-ODE System. <i>Journal of Control Science and Engineering</i> , 2014, 2014, 1-8.	0.8	0
70	Optimal preview control for discrete-time descriptor causal systems in a multirate setting. <i>International Journal of Control</i> , 2013, 86, 844-854.	1.2	17
71	Absolute stability of Lurie direct control systems with time-varying coefficients and multiple nonlinearities. <i>Applied Mathematics and Computation</i> , 2013, 219, 4465-4473.	1.4	7
72	PREVIEW CONTROL FOR A CLASS OF LINEAR CONTINUOUS TIME-VARYING SYSTEMS. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2013, 11, 1350018.	0.9	15

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73	Robust preview control for uncertain discrete-time systems. AIP Conference Proceedings, 2012, , .	0.3	2
74	The optimal preview control for a class of descriptor discrete-time systems with multirate setting. , 2012, , .		2
75	Design of an optimal preview controller for linear discrete-time causal descriptor systems. International Journal of Control, 2012, 85, 1616-1624.	1.2	23
76	DESIGN OF AN OPTIMAL PREVIEW CONTROLLER FOR CONTINUOUS-TIME SYSTEMS. International Journal of Wavelets, Multiresolution and Information Processing, 2011, 09, 655-673.	0.9	38
77	Face recognition based on discriminant waveletfaces. , 2007, , .		2
78	Design of nonlinear optimal tracking control law based on finite-time stability for quadratic performance index. International Journal of Wavelets, Multiresolution and Information Processing, 0, , 2150031.	0.9	0