

# Fucheng Liao

## List of Publications by Year in descending order

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78  
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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.	2.6	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.	3.0	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.	2.6	9
4	Finite-Time Bounded Tracking Control for Fractional-Order Systems. IEEE Access, 2021, 9, 11014-11023.	4.2	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.	1.7	2
6	Necessary and sufficient conditions for stabilisability of discrete-time time-varying switched systems. IET Control Theory and Applications, 2021, 15, 446-458.	2.1	3
7	Robust Tracking Control with Preview Action for Uncertain Discrete-time Systems. International Journal of Control, Automation and Systems, 2020, 18, 719-729.	2.7	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.	2.0	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.	1.6	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.	1.9	4
11	Preview Tracking Control of Linear Periodic Switched Systems with Dwell Time. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	1
12	Preview Control for MIMO Discrete-Time System with Parameter Uncertainty. Mathematics, 2020, 8, 756.	2.2	3
13	Design of preview controller for a type of discrete-time interconnected systems. Measurement and Control, 2020, 53, 719-729.	1.8	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.	2.6	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.	5.5	7
17	Preview control for continuous-time singular stochastic systems. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1950037.	1.3	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.	5.5	9

#	ARTICLE	IF	CITATIONS
19	Optimal Preview Control for Linear Discrete-Time Periodic Systems. Mathematical Problems in Engineering, 2019, 2019, 1-11.	1.1	6
20	Impulse Elimination and Fault-Tolerant Preview Controller Design for a Class of Descriptor Systems. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	2
21	Preview Tracking Control for Continuous-Time Singular Interconnected Systems. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	1
22	Cooperative preview tracking problem of discrete-time linear multi-agent systems: A distributed output regulation approach. ISA Transactions, 2019, 85, 33-48.	5.7	22
23	Preview tracking control for discrete-time nonlinear Lur'e systems with sector-bounded nonlinearities. Transactions of the Institute of Measurement and Control, 2019, 41, 2726-2737.	1.7	5
24	Preview tracking control for a class of discrete-time Lipschitz non-linear time-delay systems. IMA Journal of Mathematical Control and Information, 2019, 36, 849-867.	1.7	4
25	Cooperative optimal preview tracking for linear descriptor multi-agent systems. Journal of the Franklin Institute, 2019, 356, 908-934.	3.4	42
26	Output feedback preview tracking control for discrete-time polytopic time-varying systems. International Journal of Control, 2019, 92, 2979-2989.	1.9	6
27	Optimal Tracking Control for Discrete-time Systems with Time-delay Based on the Preview Control Method. Journal of Systems Science and Information, 2019, 7, 452-461.	0.6	2
28	Design of Preview Controller for Linear Continuous-time Systems with Input Delay. International Journal of Control, Automation and Systems, 2018, 16, 1080-1090.	2.7	15
29	Preview Tracking Control for a Class of Differentiable Nonlinear Systems. Arabian Journal for Science and Engineering, 2018, 43, 3259-3268.	3.0	7
30	Robust preview control for a class of uncertain discrete-time systems with time-varying delay. ISA Transactions, 2018, 73, 11-21.	5.7	33
31	Design of a robust $H_\infty$ preview controller for a class of uncertain discrete-time systems. Transactions of the Institute of Measurement and Control, 2018, 40, 2639-2650.	1.7	6
32	Optimal preview control for a class of linear continuous-time large-scale systems. Transactions of the Institute of Measurement and Control, 2018, 40, 4004-4013.	1.7	4
33	Robust Preview Control for Uncertain Discrete Singular Systems. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	2
34	Robust Preview Control for a Class of Uncertain Discrete-Time Lipschitz Nonlinear Systems. Mathematical Problems in Engineering, 2018, 2018, 1-15.	1.1	3
35	Finite-Time Bounded Tracking Control for Linear Discrete-Time Systems. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	1
36	Design of an Optimal Preview Controller for Dual-Rate Linear Discrete-Time Systems. Journal of Systems Science and Information, 2018, 6, 178-192.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Optimal preview control for a linear continuous-time stochastic control system in finite-time horizon. International Journal of Systems Science, 2017, 48, 129-137.	5.5	52
38	Robust preview control for uncertain discrete-time systems based on LMI. Optimal Control Applications and Methods, 2017, 38, 1022-1031.	2.1	9
39	Preview Control of A Class of Uncertain Discrete-Time Systems. Asian Journal of Control, 2017, 19, 1542-1556.	3.0	11
40	Absolute stability of time-varying delay Lurie indirect control systems with unbounded coefficients. Advances in Difference Equations, 2017, 2017, .	3.5	6
41	Cooperative global optimal preview tracking control of linear multi-agent systems: an internal model approach. International Journal of Systems Science, 2017, 48, 2451-2462.	5.5	21
42	Stabilization of Coupled ODE-PDE System with Intermediate Point and Spatially Varying Effects Interconnection. Asian Journal of Control, 2017, 19, 1060-1074.	3.0	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. Chaos, 2017, 27, 073103.	2.5	21
45	Parameter-dependent preview control with robust tracking performance. IET Control Theory and Applications, 2017, 11, 38-46.	2.1	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. Mathematical Problems in Engineering, 2017, 2017, 1-9.	1.1	0
48	Absolute stability of large-scale time-delay Lurie indirect control systems with unbounded coefficients. Advances in Difference Equations, 2017, 2017, .	3.5	1
49	Optimal Preview Control for a Class of Linear Continuous Stochastic Control Systems in the Infinite Horizon. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	1
50	The Application of Predictor Feedback in Designing a Preview Controller for Discrete-Time Systems with Input Delay. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	3
51	Design of Optimal Output Regulators for Dual-Rate Linear Discrete-Time Systems Based on the Lifting Technique. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	4
52	Optimal Preview Control for Discrete-Time Systems in Multirate Output Sampling. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	2
53	Robust preview tracking control for a class of uncertain discrete-time systems. Cogent Engineering, 2016, 3, 1243033.	2.2	7
54	Adaptive preview control for piecewise discrete-time systems using multiple models. Applied Mathematical Modelling, 2016, 40, 9932-9946.	4.2	28

#	ARTICLE	IF	CITATIONS
55	Applications of the preview control method to the optimal problem for linear continuous-time stochastic systems with time-delay. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1650045.	1.3	2
56	Cooperative optimal preview tracking control of continuous-time multi-agent systems. International Journal of Control, 2016, 89, 2019-2028.	1.9	33
57	Design of an optimal preview controller for linear time-varying discrete systems in a multirate setting. International Journal of Wavelets, Multiresolution and Information Processing, 2015, 13, 1550050.	1.3	5
58	Global Analysis of a Delayed Impulsive Lotka-Volterra Model with Holling III Type Functional Response. Mathematical Problems in Engineering, 2015, 2015, 1-15.	1.1	0
59	Application of the Preview Control Method to the Optimal Tracking Control Problem for Continuous-Time Systems with Time-Delay. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	10
60	Design of a Backstepping Tracking Controller for a Class of Linear Systems with Actuator Delay. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	6
61	Optimal Control of Renewable Resources Based on the Effective Utilization Rate. Abstract and Applied Analysis, 2015, 2015, 1-7.	0.7	0
62	Novel Approach to Preview Control for a Class of Continuous-Time Systems. Journal of Control Science and Engineering, 2015, 2015, 1-6.	1.0	3
63	Design of an optimal preview controller for linear discrete-time descriptor systems with state delay. International Journal of Systems Science, 2015, 46, 932-943.	5.5	38
64	Preview control for impulse-free continuous-time descriptor systems. International Journal of Control, 2015, 88, 1142-1149.	1.9	29
65	Absolute Stability Criteria for Large-Scale Lurie Direct Control Systems with Time-Varying Coefficients. Scientific World Journal, The, 2014, 2014, 1-13.	2.1	3
66	Design of an Optimal Preview Controller for Linear Discrete-Time Descriptor Noncausal Multirate Systems. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	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. International Journal of Control, 2014, 87, 861-873.	1.9	17
69	Boundary Control for a Kind of Coupled PDE-ODE System. Journal of Control Science and Engineering, 2014, 2014, 1-8.	1.0	0
70	Optimal preview control for discrete-time descriptor causal systems in a multirate setting. International Journal of Control, 2013, 86, 844-854.	1.9	17
71	Absolute stability of Lurie direct control systems with time-varying coefficients and multiple nonlinearities. Applied Mathematics and Computation, 2013, 219, 4465-4473.	2.2	7
72	PREVIEW CONTROL FOR A CLASS OF LINEAR CONTINUOUS TIME-VARYING SYSTEMS. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350018.	1.3	15

#	ARTICLE	IF	CITATIONS
73	Robust preview control for uncertain discrete-time systems. AIP Conference Proceedings, 2012, , .	0.4	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.	1.9	23
76	DESIGN OF AN OPTIMAL PREVIEW CONTROLLER FOR CONTINUOUS-TIME SYSTEMS. International Journal of Wavelets, Multiresolution and Information Processing, 2011, 09, 655-673.	1.3	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.	1.3	0