Hua-Cheng Zhou

List of Publications by Year
in descending order

73 papers	1,201 citations	361413 20 h-index	395702 33 g-index
73 all docs	73 docs citations	73 times ranked	611 citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic stability and synchronization of fractional order Hopfield neural networks with unbounded delay. Mathematical Methods in the Applied Sciences, 2023, 46, 3157-3175.	2.3	5
2	Disturbance Observer-Based Boundary Control for an Antistable Stochastic Heat Equation With Unknown Disturbance. IEEE Transactions on Automatic Control, 2023, 68, 3604-3611.	5.7	2
3	Active disturbance rejection control for fractional reaction-diffusion equations with spatially varying diffusivity and time delay. Science China Information Sciences, 2022, 65, 1.	4.3	17
4	Caputoâ€"Hadamard fractional Halanay inequality. Applied Mathematics Letters, 2022, 125, 107723.	2.7	10
5	Boundary stabilization and disturbance rejection for an unstable time fractional diffusion-wave equation. ESAIM - Control, Optimisation and Calculus of Variations, 2022, 28, 7.	1.3	1
6	Infinite-Time Admissibility of the Gurtin--Pipkin Systems in Hilbert Spaces. SIAM Journal on Control and Optimization, 2022, 60, 505-529.	2.1	2
7	Boundary stabilization for time-space fractional diffusion equation. European Journal of Control, 2022, 65, 100639.	2.6	0
8	Event-triggered boundary stabilization for coupled semilinear reactionâ€"diffusion systems with spatially varying coefficients. Nonlinear Analysis: Hybrid Systems, 2022, 45, 101194.	3.5	3
9	Stabilization for Eulerâ€"Bernoulli Beam Equation with Boundary Moment Control and Disturbance via a New Disturbance Estimator. Journal of Dynamical and Control Systems, 2021, 27, 247-259.	0.8	6
10	Output Feedback Exponential Stabilization for a One-Dimensional Wave Equation With Control Matched Nonlinear Disturbance. IEEE Transactions on Automatic Control, 2021, 66, 2273-2280.	5.7	4
11	Stabilization of uncertain fractional order system with timeâ€"varying delay using BMI approach. Asian Journal of Control, 2021, 23, 582-590.	3.0	16
12	Infinite Horizon Linear Quadratic Overtaking Optimal Control Problems. SIAM Journal on Control and Optimization, 2021, 59, 1312-1340.	2.1	2
13	Boundary control strategy for three kinds of fractional heat equations with control-matched disturbances. Chaos, Solitons and Fractals, 2021, 146, 110886.	5.1	9
14	Mittag-Leffler stabilization of fractional infinite dimensional systems with finite dimensional boundary controller. Mathematics and Computers in Simulation, 2021, 190, 1176-1185.	4.4	0
15	Active Disturbance Rejection Control and Disturbance Observer-Based Control Approach to 1-d Flexible String System. , 2021, , .		3
16	Event-Triggered Boundary Control Strategy for a Time Fractional Wave Equation Subject to Boundary Disturbance. , 2021, , .		0
17	Parameter-Dependent Feedback Compensator Design for a Time-Fractional Reaction-Diffusion Equation. , 2021, , .		0
18	Boundary stabilization for time-space fractional diffusion-wave equation. , 2021, , .		0

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19	Performance Output Tracking for Multidimensional Heat Equation Subject to Unmatched Disturbance and Noncollocated Control. IEEE Transactions on Automatic Control, 2020, 65, 1940-1955.	5.7	18
20	Controllability of fractional-order damped systems with time-varying delays in control. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 844-855.	2.6	5
21	Review and new theoretical perspectives on active disturbance rejection control for uncertain finite-dimensional and infinite-dimensional systems. Nonlinear Dynamics, 2020, 101, 935-959.	5.2	35
22	Kalman rank criterion for the controllability of fractional impulse controlled systems. IET Control Theory and Applications, 2020, 14, 1358-1364.	2.1	3
23	Boundary stabilization and disturbance rejection for a time fractional order diffusion-wave equation. IFAC-PapersOnLine, 2020, 53, 3695-3700.	0.9	4
24	Uniform boundness of global solutions for a n-dimensional spherically symmetric combustion model. Applicable Analysis, 2019, 98, 2688-2722.	1.3	2
25	Mittag-Leffler Stabilization of an Unstable Time Fractional Hyperbolic PDE. IEEE Access, 2019, 7, 102580-102588.	4.2	8
26	Mittagâ€Leffler stabilization for an unstable timeâ€fractional anomalous diffusion equation with boundary control matched disturbance. International Journal of Robust and Nonlinear Control, 2019, 29, 4384-4401.	3.7	33
27	Output Feedback Exponential Stabilization of One-Dimensional Wave Equation With Velocity Recirculation. IEEE Transactions on Automatic Control, 2019, 64, 4599-4606.	5.7	11
28	Adaptive Error Feedback Regulation Problem for an Euler--Bernoulli Beam Equation with General Unmatched Boundary Harmonic Disturbance. SIAM Journal on Control and Optimization, 2019, 57, 1890-1928.	2.1	24
29	Performance output tracking and robustness of multi-dimensional heat equation with non-collocated control and unmatched disturbance. , 2019, , .		0
30	Output tracking and disturbance rejection for 1-D anti-stable wave equation. ESAIM - Control, Optimisation and Calculus of Variations, 2019, 25, 69.	1.3	2
31	Output feedback exponential stabilization for 1D wave equation with unknown anti-damping subject to boundary disturbance. , 2019, , .		0
32	Performance output tracking and disturbance rejection for an Eulerâ€"Bernoulli beam equation with unmatched boundary disturbance. Journal of Mathematical Analysis and Applications, 2019, 470, 1222-1237.	1.0	10
33	Existence of Solutions for a Coupled Fractional Differential Equations with Infinitely Many Points Boundary Conditions at Resonance on an Unbounded Domain. Differential Equations and Dynamical Systems, 2019, 27, 395-411.	1.0	3
34	Exact controllability of a class of nonlinear distributed parameter systems using back-and-forth iterations. International Journal of Control, 2019, 92, 145-162.	1.9	4
35	Stabilization of ODE with hyperbolic equation actuator subject to boundary control matched disturbance. International Journal of Control, 2019, 92, 12-26.	1.9	16
36	Boundary Feedback Stabilization for an Unstable Time Fractional Reaction Diffusion Equation. SIAM Journal on Control and Optimization, 2018, 56, 75-101.	2.1	58

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37	Disturbance estimator based output feedback exponential stabilization for Euler–Bernoulli beam equation with boundary control. Automatica, 2018, 91, 79-88.	5.0	28
38	Performance output tracking for one-dimensional wave equation subject to unmatched general disturbance and non-collocated control. European Journal of Control, 2018, 39, 39-52.	2.6	58
39	Internal model based tracking and disturbance rejection for an unstable wave equation. , 2018, , .		0
40	Output Feedback Exponential Stabilization for One-Dimensional Unstable Wave Equations with Boundary Control Matched Disturbance. SIAM Journal on Control and Optimization, 2018, 56, 4098-4129.	2.1	35
41	New integral inequalities and asymptotic stability of fractional-order systems with unbounded time delay. Nonlinear Dynamics, 2018, 94, 1523-1534.	5.2	39
42	Adaptive error feedback regulation problem for 1D wave equation. International Journal of Robust and Nonlinear Control, 2018, 28, 4309-4329.	3.7	39
43	Asymptotical stability of fractional order systems with time delay via an integral inequality. IET Control Theory and Applications, 2018, 12, 1748-1754.	2.1	54
44	Output–based disturbance rejection control for 1–D anti–stable Schrödinger equation with boundary input matched unknown disturbance. International Journal of Robust and Nonlinear Control, 2017, 27, 4686-4705.	3.7	21
45	Unknown input observer design and output feedback stabilization for multi-dimensional wave equation with boundary control matched uncertainty. Journal of Differential Equations, 2017, 263, 2213-2246.	2.2	29
46	Comments on "The stability and control of fractional nonlinear system with distributed time delay" [Appl. Math. Model. 40 (2016) 3257–3263]. Applied Mathematical Modelling, 2017, 51, 270-273.	4.2	3
47	Comments on "Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control"[Automatica 63 (2016) 302–310]. Automatica, 2017, 83, 398.	5.0	2
48	Output Feedback Stabilization for Multi-Dimensional Wave Equation with Boundary Control Matched Disturbance * *This work was supported by the National Natural Science Foundation of China, the National Research Foundation of South Africa, and the Israel Science Foundation (grant no. 800/14).. IFAC-PapersOnLine, 2017, 50, 6793-6798.	0.9	0
49	Solving the regulator problem for a 1-D Schrödinger equation via backstepping * *This work was partially supported by grant no. 800/14 of the Israel Science Foundation.. IFAC-PapersOnLine, 2017, 50, 4516-4521.	0.9	6
50	Fast switching between infinite-dimensional linear systems. , 2017, , .		0
51	Output tracking and disturbance rejection for a one-dimensional anti-stable wave equation. , 2017, , .		5
52	Output feedback exponential stabilization of a nonlinear 1-D wave equation with boundary input * *This work was partially supported by grant no. 800/14 of the Israel Science Foundation. IFAC-PapersOnLine, 2017, 50, 5586-5591.	0.9	4
53	How to establish the exact controllability of nonlinear DPS using iterations back and forth in time. , 2017, , .		0
54	The regulation problem for the one-dimensional Schrödinger equation via the backstepping approach. , 2016, , .		4

#	Article	IF	Citations
55	On the controllability of fractional damped dynamical systems with distributed delays. , 2016, , .		3
56	Output feedback stabilization for multi-dimensional Kirchhoff plate with general corrupted boundary observation. European Journal of Control, 2016, 28, 38-48.	2.6	8
57	Output feedback stabilisation for a cascaded wave PDE-ODE system subject to boundary control matched disturbance. International Journal of Control, 2016, 89, 2396-2405.	1.9	39
58	Approximate controllability of semilinear evolution equations of fractional order with nonlocal and impulsive conditions via an approximating technique. Applied Mathematics and Computation, 2016, 275, 107-120.	2.2	47
59	Active Disturbance Rejection Control Approach to Output-Feedback Stabilization of a Class of Uncertain Nonlinear Systems Subject to Stochastic Disturbance. IEEE Transactions on Automatic Control, 2016, 61, 1613-1618.	5.7	118
60	The controllability of fractional damped dynamical systems with control delay. Communications in Nonlinear Science and Numerical Simulation, 2016, 32, 190-198.	3.3	38
61	Stabilization of multi-dimensional Kirchhoff plate with corrupted boundary observation. , 2015, , .		0
62	Parameter estimation and stabilization for one-dimensional Schrödinger equation with boundary output constant disturbance and non-collocated control. Journal of the Franklin Institute, 2015, 352, 2047-2064.	3.4	13
63	The Active Disturbance Rejection Control to Stabilization for Multi-Dimensional Wave Equation With Boundary Control Matched Disturbance. IEEE Transactions on Automatic Control, 2015, 60, 143-157.	5.7	123
64	Output feedback stabilization of multi-dimensional Kirchhoff equation with general corrupted boundary observation by active disturbance rejection control. , 2014, , .		0
65	Stabilization of Euler-Bernoulli Beam Equation with Boundary Moment Control and Disturbance by Active Disturbance Rejection Control and Sliding Mode Control Approaches. Journal of Dynamical and Control Systems, 2014, 20, 539-558.	0.8	42
66	Active Disturbance Rejection Control for Rejecting Boundary Disturbance from Multidimensional Kirchhoff Plate via Boundary Control. SIAM Journal on Control and Optimization, 2014, 52, 2800-2830.	2.1	33
67	The Stabilization of Multi-Dimensional Wave Equation with Boundary Control Matched Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11363-11368.	0.4	2
68	EXISTENCE AND CONTINUATION THEOREMS OF RIEMANN–LIOUVILLE TYPE FRACTIONAL DIFFERENTIAL EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250077.	1.7	18
69	Existence of solutions of initial value problems for nonlinear fractional differential equations on the half-axis. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 5975-5986.	1.1	73
70	Some Results for Nonlinear (n+1)-Term Fractional Integrodifferential Inclusions with Multipoint Boundary Conditions. ISRN Mathematical Analysis, 2011, 2011, 1-20.	0.4	0
71	The Existence of Solutions for Fractional Functional Differential Equations With Boundary Value Conditions. , 2011, , .		0
72	Existence of solutions for fractional differential equations with multi-point boundary conditions at resonance on a half-line. Electronic Journal of Qualitative Theory of Differential Equations, 2011, , 1-16.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Boundary output feedback stabilization for spacial multi€dimensional coupled fractional reactionâ€"diffusion systems. Asian Journal of Control, 0, , .	3.0	1