# Hua-Cheng Zhou

List of Publications by Year
in descending order

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| 73 | 1,201 | 361413 | 395702 |
|---|---|---|---|
| papers | citations | 20 | 33 |
| | | h-index | g-index |

| 73 | 73 | 73 | 611 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Boundary Feedback Stabilization for an Unstable Time Fractional Reaction Diffusion Equation. SIAM Journal on Control and Optimization, 2018, 56, 75-101. | 2.1 | 58 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | New integral inequalities and asymptotic stability of fractional-order systems with unbounded time delay. Nonlinear Dynamics, 2018, 94, 1523-1534. | 5.2 | 39 |
| 11 | Adaptive error feedback regulation problem for 1D wave equation. International Journal of Robust and Nonlinear Control, 2018, 28, 4309-4329. | 3.7 | 39 |
| 12 | The controllability of fractional damped dynamical systems with control delay. Communications in Nonlinear Science and Numerical Simulation, 2016, 32, 190-198. | 3.3 | 38 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Disturbance estimator based output feedback exponential stabilization for Eulerâ€“Bernoulli beam equation with boundary control. Automatica, 2018, 91, 79-88. | 5.0 | 28 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Outputâ€based disturbance rejection control for 1â€D antiâ€stable SchrÃ¶dinger equation with boundary input matched unknown disturbance. International Journal of Robust and Nonlinear Control, 2017, 27, 4686-4705. | 3.7 | 21 |
| 21 | EXISTENCE AND CONTINUATION THEOREMS OF RIEMANNâ€“LIOUVILLE TYPE FRACTIONAL DIFFERENTIAL EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250077. | 1.7 | 18 |
| 22 | 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 |
| 23 | 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 |
| 24 | Stabilization of ODE with hyperbolic equation actuator subject to boundary control matched disturbance. International Journal of Control, 2019, 92, 12-26. | 1.9 | 16 |
| 25 | Stabilization of uncertain fractional order system with timeâ€varying delay using BMI approach. Asian Journal of Control, 2021, 23, 582-590. | 3.0 | 16 |
| 26 | Parameter estimation and stabilization for one-dimensional SchrÃ¶dinger equation with boundary output constant disturbance and non-collocated control. Journal of the Franklin Institute, 2015, 352, 2047-2064. | 3.4 | 13 |
| 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 | 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 |
| 29 | Caputoâ€“Hadamard fractional Halanay inequality. Applied Mathematics Letters, 2022, 125, 107723. | 2.7 | 10 |
| 30 | Boundary control strategy for three kinds of fractional heat equations with control-matched disturbances. Chaos, Solitons and Fractals, 2021, 146, 110886. | 5.1 | 9 |
| 31 | Output feedback stabilization for multi-dimensional Kirchhoff plate with general corrupted boundary observation. European Journal of Control, 2016, 28, 38-48. | 2.6 | 8 |
| 32 | Mittag-Leffler Stabilization of an Unstable Time Fractional Hyperbolic PDE. IEEE Access, 2019, 7, 102580-102588. | 4.2 | 8 |
| 33 | Solving the regulator problem for a 1-D SchrÃ¶dinger 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 |
| 34 | 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 |
| 35 | Output tracking and disturbance rejection for a one-dimensional anti-stable wave equation. , 2017, , . | | 5 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | The regulation problem for the one-dimensional SchrÃ¶dinger equation via the backstepping approach. , 2016, , . | | 4 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | Boundary stabilization and disturbance rejection for a time fractional order diffusion-wave equation. IFAC-PapersOnLine, 2020, 53, 3695-3700. | 0.9 | 4 |
| 43 | On the controllability of fractional damped dynamical systems with distributed delays. , 2016, , . | | 3 |
| 44 | Comments on â€œThe stability and control of fractional nonlinear system with distributed time delayâ€• [Appl. Math. Model. 40 (2016) 3257â€“3263]. Applied Mathematical Modelling, 2017, 51, 270-273. | 4.2 | 3 |
| 45 | 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 |
| 46 | Active Disturbance Rejection Control and Disturbance Observer-Based Control Approach to 1-d Flexible String System. , 2021, , . | | 3 |
| 47 | Kalman rank criterion for the controllability of fractional impulse controlled systems. IET Control Theory and Applications, 2020, 14, 1358-1364. | 2.1 | 3 |
| 48 | Event-triggered boundary stabilization for coupled semilinear reactionâ€“diffusion systems with spatially varying coefficients. Nonlinear Analysis: Hybrid Systems, 2022, 45, 101194. | 3.5 | 3 |
| 49 | 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 |
| 50 | Comments on â€œStabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection controlâ€•[Automatica 63 (2016) 302â€“310]. Automatica, 2017, 83, 398. | 5.0 | 2 |
| 51 | Uniform boundness of global solutions for a n-dimensional spherically symmetric combustion model. Applicable Analysis, 2019, 98, 2688-2722. | 1.3 | 2 |
| 52 | 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 |
| 53 | Infinite Horizon Linear Quadratic Overtaking Optimal Control Problems. SIAM Journal on Control and Optimization, 2021, 59, 1312-1340. | 2.1 | 2 |
| 54 | Infinite-Time Admissibility of the Gurtin--Pipkin Systems in Hilbert Spaces. SIAM Journal on Control and Optimization, 2022, 60, 505-529. | 2.1 | 2 |

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| 55 | 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 |
| 56 | Boundary output feedback stabilization for spacial multiâ€dimensional coupled fractional reactionâ€“diffusion systems. Asian Journal of Control, 0, , . | 3.0 | 1 |
| 57 | 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 |
| 58 | Some Results for Nonlinear (n+1)-Term Fractional Integrodifferential Inclusions with Multipoint Boundary Conditions. ISRN Mathematical Analysis, 2011, 2011, 1-20. | 0.4 | 0 |
| 59 | The Existence of Solutions for Fractional Functional Differential Equations With Boundary Value Conditions. , 2011, , . | | 0 |
| 60 | Output feedback stabilization of multi-dimensional Kirchhoff equation with general corrupted boundary observation by active disturbance rejection control. , 2014, , . | | 0 |
| 61 | Stabilization of multi-dimensional Kirchhoff plate with corrupted boundary observation. , 2015, , . | | 0 |
| 62 | 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 |
| 63 | Fast switching between infinite-dimensional linear systems. , 2017, , . | | 0 |
| 64 | How to establish the exact controllability of nonlinear DPS using iterations back and forth in time. , 2017, , . | | 0 |
| 65 | Internal model based tracking and disturbance rejection for an unstable wave equation. , 2018, , . | | 0 |
| 66 | Performance output tracking and robustness of multi-dimensional heat equation with non-collocated control and unmatched disturbance. , 2019, , . | | 0 |
| 67 | Output feedback exponential stabilization for 1D wave equation with unknown anti-damping subject to boundary disturbance. , 2019, , . | | 0 |
| 68 | 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 |
| 69 | 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 |
| 70 | Event-Triggered Boundary Control Strategy for a Time Fractional Wave Equation Subject to Boundary Disturbance. , 2021, , . | | 0 |
| 71 | Parameter-Dependent Feedback Compensator Design for a Time-Fractional Reaction-Diffusion Equation. , 2021, , . | | 0 |
| 72 | Boundary stabilization for time-space fractional diffusion equation. European Journal of Control, 2022, 65, 100639. | 2.6 | 0 |

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|---|---|---|---|
| 73 | Boundary stabilization for time-space fractional diffusion-wave equation. , 2021, , . | | 0 |