

Bao-Zhu Guo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11306961/bao-zhu-guo-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72 papers	3,514 citations	31 h-index	59 g-index
82 ext. papers	4,493 ext. citations	3 avg, IF	6.19 L-index

#	Paper	IF	Citations
72	Absolute boundary stabilization for an axially moving Kirchhoff beam. <i>Automatica</i> , 2021 , 129, 109667	5.7	5
71	Robust Tracking Error Feedback Control for a One-Dimensional Schrodinger Equation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
70	Dynamic and static feedback control for second order infinite-dimensional systems. <i>Asian Journal of Control</i> , 2020 , 23, 1431	1.7	0
69	Review and new theoretical perspectives on active disturbance rejection control for uncertain finite-dimensional and infinite-dimensional systems. <i>Nonlinear Dynamics</i> , 2020 , 101, 935-959	5	15
68	Output feedback stabilization for 1-D wave equation with variable coefficients and non-collocated observation. <i>Systems and Control Letters</i> , 2020 , 145, 104780	2.4	1
67	Extended state observer for MIMO nonlinear systems with stochastic uncertainties. <i>International Journal of Control</i> , 2020 , 93, 424-436	1.5	7
66	Arbitrary decay for boundary stabilization of Schrödinger equation subject to unknown disturbance by Lyapunov approach. <i>IFAC Journal of Systems and Control</i> , 2019 , 7, 100033	0.9	0
65	Riesz Basis Generation: Green Function Approach. <i>Communications and Control Engineering</i> , 2019 , 439-504	0.4	0
64	Boundary output tracking for an Euler-Bernoulli beam equation with unmatched perturbations from a known exosystem. <i>Automatica</i> , 2019 , 109, 108507	5.7	12
63	Stabilization of ODE with hyperbolic equation actuator subject to boundary control matched disturbance. <i>International Journal of Control</i> , 2019 , 92, 12-26	1.5	10
62	Boundary Feedback Stabilization for an Unstable Time Fractional Reaction Diffusion Equation. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 75-101	1.9	37
61	Observer Design and Exponential Stabilization for Wave Equation in Energy Space by Boundary Displacement Measurement Only. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1438-1444	5.9	18
60	A nonlinear extended state observer based on fractional power functions. <i>Automatica</i> , 2017 , 81, 286-296	5.7	75
59	Active disturbance rejection control approach to output-feedback stabilization of lower triangular nonlinear systems with stochastic uncertainty. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 2773-2797	3.6	13
58	Active disturbance rejection control: Old and new results. <i>Annual Reviews in Control</i> , 2017 , 44, 238-248	10.3	63
57	A New Active Disturbance Rejection Control to Output Feedback Stabilization for a One-Dimensional Anti-Stable Wave Equation With Disturbance. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3774-3787	5.9	71
56	Output tracking for a class of nonlinear systems with mismatched uncertainties by active disturbance rejection control. <i>Systems and Control Letters</i> , 2017 , 100, 21-31	2.4	53

55	Disturbance estimator based output feedback stabilizing control for an Euler-Bernoulli beam equation with boundary uncertainty 2017 ,		3
54	Output feedback stabilization for multi-dimensional Kirchhoff plate with general corrupted boundary observation. <i>European Journal of Control</i> , 2016 , 28, 38-48	2.5	7
53	Distributed disturbance estimator and application to stabilization for multi-dimensional wave equation with corrupted boundary observation. <i>Automatica</i> , 2016 , 66, 25-33	5.7	9
52	On Convergence of Nonlinear Active Disturbance Rejection Control for SISO Nonlinear Systems. <i>Journal of Dynamical and Control Systems</i> , 2016 , 22, 385-412	1.1	51
51	Stabilisation of unstable cascaded heat partial differential equation system subject to boundary disturbance. <i>IET Control Theory and Applications</i> , 2016 , 10, 1027-1039	2.5	16
50	Output feedback stabilisation for a cascaded wave PDE-ODE system subject to boundary control matched disturbance. <i>International Journal of Control</i> , 2016 , 89, 2396-2405	1.5	21
49	Active Disturbance Rejection Control Approach to Output-Feedback Stabilization of a Class of Uncertain Nonlinear Systems Subject to Stochastic Disturbance. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1613-1618	5.9	83
48	Active disturbance rejection control approach to stabilization of lower triangular systems with uncertainty. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 2314-2337	3.6	23
47	A high gain free extended state observer to output feedback stabilization of one-dimensional unstable wave equation 2016 ,		4
46	Active Disturbance Rejection Control: from ODEs to PDEs**This work was carried out with the support of the National Natural Science Foundation of China and the National Research Foundation of South Africa.. <i>IFAC-PapersOnLine</i> , 2016 , 49, 278-283	0.7	8
45	On convergence of nonlinear extended stated observers with switching functions 2016 ,		1
44	The Active Disturbance Rejection Control to Stabilization for Multi-Dimensional Wave Equation With Boundary Control Matched Disturbance. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 143-157	5.9	97
43	Extended state observer for uncertain lower triangular nonlinear systems. <i>Systems and Control Letters</i> , 2015 , 85, 100-108	2.4	57
42	Lyapunov approach to output feedback stabilization for the EulerBernoulli beam equation with boundary input disturbance. <i>Automatica</i> , 2015 , 52, 95-102	5.7	103
41	2015 ,		3
40	On active disturbance rejection control for nonlinear systems using time-varying gain. <i>European Journal of Control</i> , 2015 , 23, 62-70	2.5	66
39	The active disturbance rejection control approach to stabilisation of coupled heat and ODE system subject to boundary control matched disturbance. <i>International Journal of Control</i> , 2015 , 88, 1554-1564	1.5	31
38	Stabilization of Euler-Bernoulli Beam Equation with Boundary Moment Control and Disturbance by Active Disturbance Rejection Control and Sliding Mode Control Approaches. <i>Journal of Dynamical and Control Systems</i> , 2014 , 20, 539-558	1.1	30

37	Active Disturbance Rejection Control for Rejecting Boundary Disturbance from Multidimensional Kirchhoff Plate via Boundary Control. <i>SIAM Journal on Control and Optimization</i> , 2014 , 52, 2800-2830	1.9	26
36	Active Disturbance Rejection Control for a 2D Hyperbolic System with an Input Disturbance. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 11385-11390		6
35	Lyapunov approach to the boundary stabilisation of a beam equation with boundary disturbance. <i>International Journal of Control</i> , 2014 , 87, 925-939	1.5	33
34	Output feedback stabilization of an unstable wave equation with general corrupted boundary observation. <i>Automatica</i> , 2014 , 50, 3164-3172	5.7	22
33	The Lyapunov approach to boundary stabilization of an anti-stable one-dimensional wave equation with boundary disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 54-69	3.6	22
32	Sliding mode control and active disturbance rejection control to the stabilization of one-dimensional Schrödinger equation subject to boundary control matched disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 2194-2212	3.6	78
31	Stabilization of the Euler-Bernoulli equation via boundary connection with heat equation. <i>Mathematics of Control, Signals, and Systems</i> , 2014 , 26, 77-118	1.3	14
30	Stabilization and regulator design for a one-dimensional unstable wave equation with input harmonic disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 514-533	3.6	40
29	On Convergence of the Nonlinear Active Disturbance Rejection Control for MIMO Systems. <i>SIAM Journal on Control and Optimization</i> , 2013 , 51, 1727-1757	1.9	177
28	Adaptive Output Feedback Stabilization for One-Dimensional Wave Equation with Corrupted Observation by Harmonic Disturbance. <i>SIAM Journal on Control and Optimization</i> , 2013 , 51, 1679-1706	1.9	28
27	The active disturbance rejection and sliding mode control approach to the stabilization of the Euler-Bernoulli beam equation with boundary input disturbance. <i>Automatica</i> , 2013 , 49, 2911-2918	5.7	155
26	Sliding Mode and Active Disturbance Rejection Control to Stabilization of One-Dimensional Anti-Stable Wave Equations Subject to Disturbance in Boundary Input. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1269-1274	5.9	130
25	2013,		1
24	Parameter Estimation and Non-Collocated Adaptive Stabilization for a Wave Equation Subject to General Boundary Harmonic Disturbance. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1631-1643	5.9	57
23	On convergence of nonlinear active disturbance rejection for SISO systems 2012,		21
22	Parameter estimation and stabilisation for a one-dimensional wave equation with boundary output constant disturbance and non-collocated control. <i>International Journal of Control</i> , 2011 , 84, 381-395	1.5	15
21	Boundary Controllers and Observers for the Linearized Schrödinger Equation. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 1479-1497	1.9	58
20	Parameter estimation and stabilization for a wave equation with boundary output harmonic disturbance and non-collocated control. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 1297-1321	3.6	28

19	On the convergence of an extended state observer for nonlinear systems with uncertainty. <i>Systems and Control Letters</i> , 2011 , 60, 420-430	2.4	461
18	On convergence of tracking differentiator. <i>International Journal of Control</i> , 2011 , 84, 693-701	1.5	142
17	Backstepping approach to the arbitrary decay rate for Euler-Bernoulli beam under boundary feedback. <i>International Journal of Control</i> , 2010 , 83, 2098-2106	1.5	23
16	Arbitrary decay rate for two connected strings with joint anti-damping by boundary output feedback. <i>Automatica</i> , 2010 , 46, 1203-1209	5.7	17
15	Stabilization of an abstract second order system with application to wave equations under non-collocated control and observations. <i>Systems and Control Letters</i> , 2009 , 58, 334-341	2.4	10
14	The strong stabilization of a one-dimensional wave equation by non-collocated dynamic boundary feedback control. <i>Automatica</i> , 2009 , 45, 790-797	5.7	43
13	Arbitrary Decay Rate for Euler-Bernoulli Beam by Backstepping Boundary Feedback. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1134-1140	5.9	79
12	Disturbance Attenuation for Beam Equations Using Stiffness Control. <i>Asian Journal of Control</i> , 2008 , 3, 342-351	1.7	
11	Output-feedback stabilization of an unstable wave equation. <i>Automatica</i> , 2008 , 44, 63-74	5.7	150
10	Adaptive stabilization for a Kirchhoff-type nonlinear beam under boundary output feedback control. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007 , 66, 427-441	1.3	28
9	The Stabilization of a One-Dimensional Wave Equation by Boundary Feedback With Noncollocated Observation. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 371-377	5.9	68
8	On the -semigroup generation and exponential stability resulting from a shear force feedback on a rotating beam. <i>Systems and Control Letters</i> , 2005 , 54, 557-574	2.4	33
7	Controllability and stability of a second-order hyperbolic system with collocated sensor/actuator. <i>Systems and Control Letters</i> , 2002 , 46, 45-65	2.4	60
6	Linear tracking-differentiator and application to online estimation of the frequency of a sinusoidal signal with random noise perturbation. <i>International Journal of Systems Science</i> , 2002 , 33, 351-358	2.3	26
5	Riesz Basis Approach to the Tracking Control of a Flexible Beam with a Tip Rigid Body without Dissipativity. <i>Optimization Methods and Software</i> , 2002 , 17, 655-681	1.3	6
4	Riesz Basis Approach to the Stabilization of a Flexible Beam with a Tip Mass. <i>SIAM Journal on Control and Optimization</i> , 2001 , 39, 1736-1747	1.9	106
3	Stability and Stabilization of Infinite Dimensional Systems with Applications. <i>Communications and Control Engineering</i> , 1999 ,	0.6	238
2	Shear force feedback control of a single-link flexible robot with a revolute joint. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 53-65	5.9	64

1 . *IEEE Transactions on Automation Science and Engineering*, **1995**, 11, 760-765

54