

Jun-Min Wang

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106
papers

1,154
citations

18
h-index

29
g-index

140
ext. papers

1,544
ext. citations

2.3
avg, IF

5.15
L-index

#	Paper	IF	Citations
106	Sliding mode control to stabilization of cascaded heat PDE/ODE systems subject to boundary control matched disturbance. <i>Automatica</i> , 2015 , 52, 23-34	5.7	148
105	. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 179-185	5.9	64
104	Stabilization of an ODE/Schrödinger Cascade. <i>Systems and Control Letters</i> , 2013 , 62, 503-510	2.4	59
103	Exponential Stabilization of Laminated Beams with Structural Damping and Boundary Feedback Controls. <i>SIAM Journal on Control and Optimization</i> , 2005 , 44, 1575-1597	1.9	58
102	Wave Equation Stabilization by Delays Equal to Even Multiples of the Wave Propagation Time. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 517-554	1.9	43
101	On the C_0 -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
100	Dynamic stabilization of an Euler-Bernoulli beam under boundary control and non-collocated observation. <i>Systems and Control Letters</i> , 2008 , 57, 740-749	2.4	32
99	Boundary stabilization of a cascade of ODE-wave systems subject to boundary control matched disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 252-280	3.6	31
98	Boundary Stabilization of Wave Equation With Velocity Recirculation. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4760-4767	5.9	28
97	Stabilization and optimal decay rate for a non-homogeneous rotating body-beam with dynamic boundary controls. <i>Journal of Mathematical Analysis and Applications</i> , 2006 , 318, 667-691	1.1	27
96	On the stability of swelling porous elastic soils with fluid saturation by one internal damping. <i>IMA Journal of Applied Mathematics</i> , 2006 , 71, 565-582	1	25
95	Spectral analysis and system of fundamental solutions for Timoshenko beams. <i>Applied Mathematics Letters</i> , 2005 , 18, 127-134	3.5	24
94	Mixed H^2 -sampled-data output feedback control design for a semi-linear parabolic PDE in the sense of spatial L^q -norm. <i>Automatica</i> , 2019 , 103, 282-293	5.7	21
93	Boundary Feedback Stabilization of a Class of Coupled Hyperbolic Equations With Nonlocal Terms. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2633-2640	5.9	21
92	Stabilization of an unstable reaction-diffusion PDE cascaded with a heat equation. <i>Systems and Control Letters</i> , 2015 , 76, 8-18	2.4	20
91	Riesz basis and stabilization for the flexible structure of a symmetric tree-shaped beam network. <i>Mathematical Methods in the Applied Sciences</i> , 2008 , 31, 289-314	2.3	20
90	Stabilization of One-Dimensional Wave Equation With Nonlinear Boundary Condition Subject to Boundary Control Matched Disturbance. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 3068-3073	5.9	20

89	On dynamic behavior of a hyperbolic system derived from a thermoelastic equation with memory type. <i>Journal of the Franklin Institute</i> , 2007 , 344, 75-96	4	19
88	Dynamic behavior of a heat equation with memory. <i>Mathematical Methods in the Applied Sciences</i> , 2009 , 32, 1287-1310	2.3	17
87	Riesz Basis Generation of Abstract Second-Order Partial Differential Equation Systems with General Non-Separated Boundary Conditions. <i>Numerical Functional Analysis and Optimization</i> , 2006 , 27, 291-328	1	17
86	On the Stabilization of the Disk-Beam System via Torque and Direct Strain Feedback Controls. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 3006-3011	5.9	15
85	Sliding Mode Control of the Orr--Sommerfeld Equation Cascaded by Both the Squire Equation and ODE in the Presence of Boundary Disturbances. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 837-867	1.9	15
84	The active disturbance rejection control of the rotating diskBeam system with boundary input disturbances. <i>International Journal of Control</i> , 2016 , 89, 2322-2335	1.5	15
83	Boundary feedback stabilization of a three-layer sandwich beam: Riesz basis approach. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2006 , 12, 12-34	1	15
82	Stability of an interconnected system of eulerBernoulli beam and heat equation with boundary coupling. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2015 , 21, 1029-1052	1	14
81	Stabilization of the EulerBernoulli equation via boundary connection with heat equation. <i>Mathematics of Control, Signals, and Systems</i> , 2014 , 26, 77-118	1.3	14
80	Exponential stability of variable coefficients Rayleigh beams under boundary feedback controls: a Riesz basis approach. <i>Systems and Control Letters</i> , 2004 , 51, 33-50	2.4	14
79	Control of Wave and Beam PDEs. <i>Communications and Control Engineering</i> , 2019 ,	0.6	13
78	Output regulation of anti-stable coupled wave equations via the backstepping technique. <i>IET Control Theory and Applications</i> , 2018 , 12, 431-445	2.5	13
77	Backstepping State Feedback Regulator Design for an Unstable Reaction-Diffusion PDE with Long Time Delay. <i>Journal of Dynamical and Control Systems</i> , 2018 , 24, 563-576	1.1	13
76	Exponential stability and spectral analysis of the pendulum system under position and delayed position feedbacks. <i>International Journal of Control</i> , 2011 , 84, 904-915	1.5	13
75	Riesz basis property, exponential stability of variable coefficient EulerBernoulli beams with indefinite damping. <i>IMA Journal of Applied Mathematics</i> , 2005 , 70, 459-477	1	13
74	A Riesz Basis Methodology for Proportional and Integral Output Regulation of a One-Dimensional Diffusive-Wave Equation. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 2275-2302	1.9	12
73	Stabilization of a One-Dimensional Dam-River System: Nondissipative and Noncollocated Case. <i>Journal of Optimization Theory and Applications</i> , 2007 , 134, 223-239	1.6	12
72	Exponential stability and spectral analysis of the inverted pendulum system under two delayed position feedbacks. <i>Journal of Dynamical and Control Systems</i> , 2012 , 18, 269-295	1.1	11

71	Optimal Energy Decay for a Nonhomogeneous Flexible Beam with a Tip Mass. <i>Journal of Dynamical and Control Systems</i> , 2007 , 13, 37-53	1.1	11
70	ADRC Dynamic Stabilization of an Unstable Heat Equation. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4424-4429	5.9	11
69	NonDissipative Torque and Shear Force Controls of a Rotating Flexible Structure. <i>SIAM Journal on Control and Optimization</i> , 2014 , 52, 3287-3311	1.9	10
68	Boundary feedback stabilization and Riesz basis property of a 1-d first order hyperbolic linear system with L ² -coefficients. <i>Journal of Differential Equations</i> , 2009 , 246, 1119-1138	2.1	10
67	Exponential stability of a non-homogeneous rotating disk-beam-mass system. <i>Journal of Mathematical Analysis and Applications</i> , 2015 , 423, 1243-1261	1.1	9
66	Sliding mode control for N-coupled reaction-diffusion PDEs with boundary input disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 1437-1461	3.6	9
65	Sliding Mode Control to Stabilization of a Tip-Force Destabilized Shear Beam Subject to Boundary Control Matched Disturbance. <i>Journal of Dynamical and Control Systems</i> , 2016 , 22, 117-128	1.1	8
64	Output Tracking for One-Dimensional Schrödinger Equation subject to Boundary Disturbance. <i>Asian Journal of Control</i> , 2018 , 20, 659-668	1.7	8
63	Exponential stability of an active constrained layer beam actuated by a voltage source without magnetic effects. <i>Journal of Mathematical Analysis and Applications</i> , 2017 , 448, 1204-1227	1.1	8
62	Spectral analysis and stabilization of a coupled wave-ODE system. <i>Journal of Systems Science and Complexity</i> , 2014 , 27, 463-475	1	7
61	Remarks on the application of the Keldysh theorem to the completeness of root subspace of non-self-adjoint operators and comments on spectral operators generated by Timoshenko beam model. <i>Systems and Control Letters</i> , 2006 , 55, 1029-1032	2.4	7
60	Backstepping-based output regulation of ordinary differential equations cascaded by wave equation with in-domain anti-damping. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 246-262	1.8	7
59	Stabilization of a non-homogeneous rotating body-beam system with the torque and nonlinear distributed controls. <i>Journal of Systems Science and Complexity</i> , 2017 , 30, 616-626	1	6
58	Output-Feedback Stabilization of an Anti-stable Schrödinger Equation by Boundary Feedback with Only Displacement Observation. <i>Journal of Dynamical and Control Systems</i> , 2013 , 19, 471-482	1.1	6
57	Stability of an interconnected Schrödinger-heat system in a torus region. <i>Mathematical Methods in the Applied Sciences</i> , 2016 , 39, 3735-3749	2.3	6
56	Dynamic Compensator Design of Linear Parabolic MIMO PDEs in N -Dimensional Spatial Domain. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1399-1406	5.9	6
55	Transmission problem of Schrödinger and wave equation with viscous damping. <i>Applied Mathematics Letters</i> , 2016 , 54, 7-14	3.5	5
54	Stabilization of the pendulum system by coupling with a heat equation. <i>JVC/Journal of Vibration and Control</i> , 2014 , 20, 2443-2449	2	5

53	Exponential stability and spectral analysis of a delayed ring neural network with a small-world connection. <i>Nonlinear Dynamics</i> , 2012 , 68, 77-93	5	5
52	The Direct Feedback Control and Exponential Stabilization of a Coupled Heat PDE-ODE System with Dirichlet Boundary Interconnection. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 38-45	2.9	5
51	Implosion of the Argentinian submarine ARA San Juan S-42 undersea: Modeling and simulation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 91, 105397	3.7	4
50	Stability of a Damped Hyperbolic Timoshenko System Coupled with a Heat Equation. <i>Asian Journal of Control</i> , 2014 , 16, 546-555	1.7	4
49	Spectral analysis and exponential stability of one-dimensional wave equation with viscoelastic damping. <i>Journal of Mathematical Analysis and Applications</i> , 2014 , 410, 499-512	1.1	4
48	On the dynamic behavior and stability of controlled connected Rayleigh beams under pointwise output feedback. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2008 , 14, 632-656	1	4
47	The well-posedness and stability of a beam equation with conjugate variables assigned at the same boundary point. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 2087-2093	5.9	4
46	Stabilization of a 2D system of hyperbolic PDEs with recirculation in the unactuated channel. <i>Automatica</i> , 2020 , 120, 109147	5.7	4
45	Input-to-state stability of an ODE-heat cascade system with disturbances. <i>IET Control Theory and Applications</i> , 2019 , 13, 191-202	2.5	3
44	Pointwise feedback stabilization of an Euler-Bernoulli beam in observations with time delay. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2019 , 25, 4	1	3
43	Stability of an interconnected system of Euler-Bernoulli beam and wave equation through boundary coupling. <i>Systems and Control Letters</i> , 2020 , 138, 104664	2.4	3
42	Pointwise stabilisation of a string with time delay in the observation. <i>International Journal of Control</i> , 2017 , 90, 2394-2405	1.5	3
41	Output regulation of a reaction-diffusion PDE with long time delay using backstepping approach. <i>IFAC-PapersOnLine</i> , 2017 , 50, 651-656	0.7	3
40	Stability analysis for an Euler-Bernoulli beam under local internal control and boundary observation. <i>Journal of Control Theory and Applications</i> , 2008 , 6, 341-350		3
39	Stability of a nonuniform Rayleigh beam with indefinite damping. <i>Systems and Control Letters</i> , 2006 , 55, 863-870	2.4	3
38	Stabilisation of an anti-stable joint string with boundary disturbance. <i>International Journal of Control</i> , 2020 , 93, 1027-1038	1.5	3
37	A backstepping approach to adaptive error feedback regulator design for one-dimensional linear parabolic PIDEs. <i>Journal of Mathematical Analysis and Applications</i> , 2021 , 503, 125310	1.1	3
36	Exponential stability of a coupled Heat-ODE system 2013 ,		2

35	Inverse problems for the heat equation with memory. <i>Inverse Problems and Imaging</i> , 2019 , 13, 31-38	2.1	2
34	Backstepping-based adaptive error feedback regulator design for one-dimensional reaction-diffusion equation. <i>Journal of Mathematical Analysis and Applications</i> , 2020 , 484, 123666	1.1	2
33	Dynamic feedback stabilization of an unstable wave equation. <i>Automatica</i> , 2020 , 121, 109165	5.7	2
32	Exact controllability of a micro beam with boundary bending moment. <i>International Journal of Control</i> , 2019 , 92, 1335-1343	1.5	2
31	Exponential Stability of a Schrödinger Equation Through Boundary Coupling a Wave Equation. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3136-3142	5.9	2
30	Spatiotemporally asynchronous sampled-data control of a linear parabolic PDE on a hypercube. <i>International Journal of Control</i> , 1-10	1.5	2
29	The spectral analysis and exponential stability of a bi-directional coupled wave-ODE system. <i>Mathematical Methods in the Applied Sciences</i> , 2019 , 42, 2774-2784	2.3	1
28	Riesz Basis Generation: Dual-Basis Approach. <i>Communications and Control Engineering</i> , 2019 , 313-438	0.6	1
27	Stabilization of the cascaded ODE-Schrodinger equations subject to observation with time delay. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 6, 1027-1035	7	1
26	A New Approach to the Stabilization of a Rayleigh Beam Using Collocated Control and Observation 2006 ,		1
25	Energy decay estimates for a two-dimensional coupled wave-plate system with localized frictional damping. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020 , 100, e201900030	1	1
24	Input-to-state stabilization of an ODE-wave system with disturbances. <i>Mathematics of Control, Signals, and Systems</i> , 2020 , 32, 489-515	1.3	1
23	Stabilization of a rotating flexible structure subject to matched input disturbances. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 2864-2874	1.8	1
22	Controllability of a multichannel system. <i>Journal of Differential Equations</i> , 2018 , 264, 2538-2552	2.1	1
21	Moment approach to the boundary exact controllability of an active constrained layer beam. <i>Journal of Mathematical Analysis and Applications</i> , 2018 , 465, 643-657	1.1	1
20	Static boundary feedback stabilization of an anti-stable wave equation with both collocated and non-collocated measurements. <i>Systems and Control Letters</i> , 2021 , 154, 104967	2.4	1
19	Exponential input-to-state stabilization of an ODE cascaded with a reaction-diffusion equation subject to disturbances. <i>Automatica</i> , 2021 , 133, 109885	5.7	1
18	Dynamic Boundary Stabilization of a Schrödinger Equation Through a Kelvin-Voigt Damped Wave Equation 2016 , 121-131		0

17	Stability of Transmission Wave-Plate Equations with Local Indirect Damping. <i>Acta Applicandae Mathematicae</i> , 2022 , 177, 1	1.1	0
16	Stabilization of two coupled wave equations with joint anti-damping and non-collocated control. <i>Automatica</i> , 2022 , 135, 109995	5.7	0
15	Chaotic oscillations of one-dimensional coupled wave equations with mixed energy transports. <i>Nonlinear Dynamics</i> , 2020 , 99, 2277-2290	5	0
14	Chaotic oscillations of wave equations due to nonlinear boundary condition. <i>Journal of Mathematical Physics</i> , 2020 , 61, 102703	1.2	0
13	Chaotic Dynamical Behavior of Coupled One-Dimensional Wave Equations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150115	2	0
12	Output feedback stabilization of cascaded ODE-Wave equations with time delay in observation. <i>Asian Journal of Control</i> , 2021 , 23, 449-462	1.7	0
11	On resonances in transversally vibrating strings induced by an external force and a time-dependent coefficient in a Robin boundary condition. <i>Journal of Sound and Vibration</i> , 2021 , 512, 116356	3.9	0
10	Riesz Basis Generation: Comparison Method. <i>Communications and Control Engineering</i> , 2019 , 197-312	0.6	
9	Riesz Basis Generation: Green Function Approach. <i>Communications and Control Engineering</i> , 2019 , 439-504	0.6	
8	Stabilization of Coupled Systems Through Boundary Connection. <i>Communications and Control Engineering</i> , 2019 , 505-592	0.6	
7	Stabilization of a pendulum in dynamic boundary feedback with a memory type heat equation. <i>IMA Journal of Mathematical Control and Information</i> , 2015 , dnv039	1.1	
6	Boundary feedback stabilization of a Schrödinger equation interconnected with a heat equation. <i>Journal of Control Theory and Applications</i> , 2013 , 11, 558-562		
5	The Stabilization of One-Dimensional Wave Equation by Delayed Output Feedback. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 12538-12543		
4	Stability Analysis for an Euler-Bernoulli Beam under Local Internal Control and Boundary Observation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 11322-11327		
3	Adaptive output regulation for one-dimensional parabolic equation with nonlocal term. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 1805-1823	2.8	
2	Stabilisation of Schrödinger equation in dynamic boundary feedback with a memory-typed heat equation. <i>International Journal of Control</i> , 2019 , 92, 416-430	1.5	
1	Output feedback stabilization of an axially moving string subject to a spring-mass-dashpot. <i>International Journal of Control</i> , 1-0	1.5	