Jun-Min Wang

List of Publications by Year in Descending Order

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	Stability of Transmission Wave-Plate Equations with Local Indirect Damping. *Acta Applicandae Mathematicae*, **2022**, 177, 1	1.1	0
105	Stabilization of two coupled wave equations with joint anti-damping and non-collocated control. *Automatica*, **2022**, 135, 109995	5.7	0
104	Chaotic Dynamical Behavior of Coupled One-Dimensional Wave Equations. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2021**, 31, 2150115	2	0
103	Adaptive output regulation for one-dimensional parabolic equation with nonlocal term. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 1805-1823	2.8	
102	Dynamic Compensator Design of Linear Parabolic MIMO PDEs in N-Dimensional Spatial Domain. *IEEE Transactions on Automatic Control*, **2021**, 66, 1399-1406	5.9	6
101	Output feedback stabilization of cascaded ODE-Wave equations with time delay in observation. *Asian Journal of Control*, **2021**, 23, 449-462	1.7	0
100	Static boundary feedback stabilization of an anti-stable wave equation with both collocated and non-collocated measurements. *Systems and Control Letters*, **2021**, 154, 104967	2.4	1
99	A backstepping approach to adaptive error feedback regulator design for one-dimensional linear parabolic PIDEs. *Journal of Mathematical Analysis and Applications*, **2021**, 503, 125310	1.1	3
98	On resonances in transversally vibrating strings induced by an external force and a time-dependent coefficient in a Robin boundary condition. *Journal of Sound and Vibration*, **2021**, 512, 116356	3.9	0
97	Exponential input-to-state stabilization of an ODE cascaded with a reaction□diffusion equation subject to disturbances. *Automatica*, **2021**, 133, 109885	5.7	1
96	Stability of an interconnected system of Euler□Bernoulli beam and wave equation through boundary coupling. *Systems and Control Letters*, **2020**, 138, 104664	2.4	3
95	Implosion of the Argentinian submarine ARA San Juan S-42 undersea: Modeling and simulation. *Communications in Nonlinear Science and Numerical Simulation*, **2020**, 91, 105397	3.7	4
94	Chaotic oscillations of one-dimensional coupled wave equations with mixed energy transports. *Nonlinear Dynamics*, **2020**, 99, 2277-2290	5	0
93	Backstepping-based adaptive error feedback regulator design for one-dimensional reaction-diffusion equation. *Journal of Mathematical Analysis and Applications*, **2020**, 484, 123666	1.1	2
92	Energy decay estimates for a two-dimensional coupled wave-plate system with localized frictional damping. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2020**, 100, e201900030	1	1
91	ADRC Dynamic Stabilization of an Unstable Heat Equation. *IEEE Transactions on Automatic Control*, **2020**, 65, 4424-4429	5.9	11
90	Chaotic oscillations of wave equations due to nonlinear boundary condition. *Journal of Mathematical Physics*, **2020**, 61, 102703	1.2	0

89	Input-to-state stabilization of an ODE-wave system with disturbances. *Mathematics of Control, Signals, and Systems*, **2020**, 32, 489-515	1.3	1
88	Dynamic feedback stabilization of an unstable wave equation. *Automatica*, **2020**, 121, 109165	5.7	2
87	Stabilization of a 2□2 system of hyperbolic PDEs with recirculation in the unactuated channel. *Automatica*, **2020**, 120, 109147	5.7	4
86	Stabilisation of an anti-stable joint string with boundary disturbance. *International Journal of Control*, **2020**, 93, 1027-1038	1.5	3
85	Exponential Stability of a Schrödinger Equation Through Boundary Coupling a Wave Equation. *IEEE Transactions on Automatic Control*, **2020**, 65, 3136-3142	5.9	2
84	Input-to-state stability of an ODE-heat cascade system with disturbances. *IET Control Theory and Applications*, **2019**, 13, 191-202	2.5	3
83	Pointwise feedback stabilization of an Euler-Bernoulli beam in observations with time delay. *ESAIM - Control, Optimisation and Calculus of Variations*, **2019**, 25, 4	1	3
82	The spectral analysis and exponential stability of a bi-directional coupled wave-ODE system. *Mathematical Methods in the Applied Sciences*, **2019**, 42, 2774-2784	2.3	1
81	Control of Wave and Beam PDEs. *Communications and Control Engineering*, **2019**,	0.6	13
80	Riesz Basis Generation: Comparison Method. *Communications and Control Engineering*, **2019**, 197-312	0.6	
79	Riesz Basis Generation: Green Function Approach. *Communications and Control Engineering*, **2019**, 439-504	0.6	
78	Riesz Basis Generation: Dual-Basis Approach. *Communications and Control Engineering*, **2019**, 313-438	0.6	1
77	Stabilization of Coupled Systems Through Boundary Connection. *Communications and Control Engineering*, **2019**, 505-592	0.6	
76	Mixed H2□H□sampled-data output feedback control design for a semi-linear parabolic PDE in the sense of spatial L□norm. *Automatica*, **2019**, 103, 282-293	5.7	21
75	Stabilization of the cascaded ODE-Schrodinger equations subject to observation with time delay. *IEEE/CAA Journal of Automatica Sinica*, **2019**, 6, 1027-1035	7	1
74	Inverse problems for the heat equation with memory. *Inverse Problems and Imaging*, **2019**, 13, 31-38	2.1	2
73	The Direct Feedback Control and Exponential Stabilization of a Coupled Heat PDE-ODE System with Dirichlet Boundary Interconnection. *International Journal of Control, Automation and Systems*, **2019**, 17, 38-45	2.9	5
72	Sliding mode control for N-coupled reaction-diffusion PDEs with boundary input disturbances. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 1437-1461	3.6	9

71	Stabilization of a rotating flexible structure subject to matched input disturbances. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 2864-2874	1.8	1
70	Stabilization of One-Dimensional Wave Equation With Nonlinear Boundary Condition Subject to Boundary Control Matched Disturbance. *IEEE Transactions on Automatic Control*, **2019**, 64, 3068-3073	5.9	20
69	Stabilisation of Schrödinger equation in dynamic boundary feedback with a memory-typed heat equation. *International Journal of Control*, **2019**, 92, 416-430	1.5	
68	Exact controllability of a micro beam with boundary bending moment. *International Journal of Control*, **2019**, 92, 1335-1343	1.5	2
67	Backstepping-based output regulation of ordinary differential equations cascaded by wave equation with in-domain anti-damping. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 246-262	1.8	7
66	Boundary Feedback Stabilization of a Class of Coupled Hyperbolic Equations With Nonlocal Terms. *IEEE Transactions on Automatic Control*, **2018**, 63, 2633-2640	5.9	21
65	Output regulation of anti-stable coupled wave equations via the backstepping technique. *IET Control Theory and Applications*, **2018**, 12, 431-445	2.5	13
64	Sliding Mode Control of the Orr--Sommerfeld Equation Cascaded by Both the Squire Equation and ODE in the Presence of Boundary Disturbances. *SIAM Journal on Control and Optimization*, **2018**, 56, 837-867	1.9	15
63	Backstepping State Feedback Regulator Design for an Unstable Reaction-Diffusion PDE with Long Time Delay. *Journal of Dynamical and Control Systems*, **2018**, 24, 563-576	1.1	13
62	Output Tracking for One-Dimensional Schrödinger Equation subject to Boundary Disturbance. *Asian Journal of Control*, **2018**, 20, 659-668	1.7	8
61	Controllability of a multichannel system. *Journal of Differential Equations*, **2018**, 264, 2538-2552	2.1	1
60	Moment approach to the boundary exact controllability of an active constrained layer beam. *Journal of Mathematical Analysis and Applications*, **2018**, 465, 643-657	1.1	1
59	Boundary stabilization of a cascade of ODE-wave systems subject to boundary control matched disturbance. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 252-280	3.6	31
58	Stabilization of a non-homogeneous rotating body-beam system with the torque and nonlinear distributed controls. *Journal of Systems Science and Complexity*, **2017**, 30, 616-626	1	6
57	Boundary Stabilization of Wave Equation With Velocity Recirculation. *IEEE Transactions on Automatic Control*, **2017**, 62, 4760-4767	5.9	28
56	Pointwise stabilisation of a string with time delay in the observation. *International Journal of Control*, **2017**, 90, 2394-2405	1.5	3
55	Exponential stability of an active constrained layer beam actuated by a voltage source without magnetic effects. *Journal of Mathematical Analysis and Applications*, **2017**, 448, 1204-1227	1.1	8
54	Output regulation of a reaction-diffusion PDE with long time delay using backstepping approach. *IFAC-PapersOnLine*, **2017**, 50, 651-656	0.7	3

53	Sliding Mode Control to Stabilization of a Tip-Force Destabilized Shear Beam Subject to Boundary Control Matched Disturbance. *Journal of Dynamical and Control Systems*, **2016**, 22, 117-128	1.1	8
52	Dynamic Boundary Stabilization of a Schrödinger Equation Through a Kelvin-Voigt Damped Wave Equation **2016**, 121-131		0
51	Transmission problem of Schrödinger and wave equation with viscous damping. *Applied Mathematics Letters*, **2016**, 54, 7-14	3.5	5
50	The active disturbance rejection control of the rotating disk-beam system with boundary input disturbances. *International Journal of Control*, **2016**, 89, 2322-2335	1.5	15
49	Stability of an interconnected Schrödinger-heat system in a torus region. *Mathematical Methods in the Applied Sciences*, **2016**, 39, 3735-3749	2.3	6
48	On the Stabilization of the Disk-Beam System via Torque and Direct Strain Feedback Controls. *IEEE Transactions on Automatic Control*, **2015**, 60, 3006-3011	5.9	15
47	Stabilization of a pendulum in dynamic boundary feedback with a memory type heat equation. *IMA Journal of Mathematical Control and Information*, **2015**, dnv039	1.1	
46	Sliding mode control to stabilization of cascaded heat PDE-ODE systems subject to boundary control matched disturbance. *Automatica*, **2015**, 52, 23-34	5.7	148
45	Exponential stability of a non-homogeneous rotating disk-beam-mass system. *Journal of Mathematical Analysis and Applications*, **2015**, 423, 1243-1261	1.1	9
44	Stability of an interconnected system of euler-bernoulli beam and heat equation with boundary coupling. *ESAIM - Control, Optimisation and Calculus of Variations*, **2015**, 21, 1029-1052	1	14
43	Stabilization of an unstable reaction-diffusion PDE cascaded with a heat equation. *Systems and Control Letters*, **2015**, 76, 8-18	2.4	20
42	Stabilization of the pendulum system by coupling with a heat equation. *JVC/Journal of Vibration and Control*, **2014**, 20, 2443-2449	2	5
41	Spectral analysis and stabilization of a coupled wave-ODE system. *Journal of Systems Science and Complexity*, **2014**, 27, 463-475	1	7
40	NonDissipative Torque and Shear Force Controls of a Rotating Flexible Structure. *SIAM Journal on Control and Optimization*, **2014**, 52, 3287-3311	1.9	10
39	Stability of a Damped Hyperbolic Timoshenko System Coupled with a Heat Equation. *Asian Journal of Control*, **2014**, 16, 546-555	1.7	4
38	Spectral analysis and exponential stability of one-dimensional wave equation with viscoelastic damping. *Journal of Mathematical Analysis and Applications*, **2014**, 410, 499-512	1.1	4
37	Stabilization of the Euler-Bernoulli equation via boundary connection with heat equation. *Mathematics of Control, Signals, and Systems*, **2014**, 26, 77-118	1.3	14
36	Output-Feedback Stabilization of an Anti-stable Schrödinger Equation by Boundary Feedback with Only Displacement Observation. *Journal of Dynamical and Control Systems*, **2013**, 19, 471-482	1.1	6

35	Boundary feedback stabilization of a Schrödinger equation interconnected with a heat equation. *Journal of Control Theory and Applications*, **2013**, 11, 558-562		
34	Stabilization of an ODE–Schrödinger Cascade. *Systems and Control Letters*, **2013**, 62, 503-510	2.4	59
33	Exponential stability of a coupled Heat-ODE system **2013**,		2
32	. *IEEE Transactions on Automatic Control*, **2012**, 57, 179-185	5.9	64
31	Exponential stability and spectral analysis of the inverted pendulum system under two delayed position feedbacks. *Journal of Dynamical and Control Systems*, **2012**, 18, 269-295	1.1	11
30	Exponential stability and spectral analysis of a delayed ring neural network with a small-world connection. *Nonlinear Dynamics*, **2012**, 68, 77-93	5	5
29	Wave Equation Stabilization by Delays Equal to Even Multiples of the Wave Propagation Time. *SIAM Journal on Control and Optimization*, **2011**, 49, 517-554	1.9	43
28	The Stabilization of One-Dimensional Wave Equation by Delayed Output Feedback. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 12538-12543		
27	Exponential stability and spectral analysis of the pendulum system under position and delayed position feedbacks. *International Journal of Control*, **2011**, 84, 904-915	1.5	13
26	Dynamic behavior of a heat equation with memory. *Mathematical Methods in the Applied Sciences*, **2009**, 32, 1287-1310	2.3	17
25	Boundary feedback stabilization and Riesz basis property of a 1-d first order hyperbolic linear system with L∞coefficients. *Journal of Differential Equations*, **2009**, 246, 1119-1138	2.1	10
24	A Riesz Basis Methodology for Proportional and Integral Output Regulation of a One-Dimensional Diffusive-Wave Equation. *SIAM Journal on Control and Optimization*, **2008**, 47, 2275-2302	1.9	12
23	On the dynamic behavior and stability of controlled connected Rayleigh beams under pointwise output feedback. *ESAIM - Control, Optimisation and Calculus of Variations*, **2008**, 14, 632-656	1	4
22	Stability Analysis for an Euler-Bernoulli Beam under Local Internal Control and Boundary Observation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 11322-11327		
21	Stability analysis for an Euler-Bernoulli beam under local internal control and boundary observation. *Journal of Control Theory and Applications*, **2008**, 6, 341-350		3
20	Riesz basis and stabilization for the flexible structure of a symmetric tree-shaped beam network. *Mathematical Methods in the Applied Sciences*, **2008**, 31, 289-314	2.3	20
19	Dynamic stabilization of an Euler–Bernoulli beam under boundary control and non-collocated observation. *Systems and Control Letters*, **2008**, 57, 740-749	2.4	32
18	On dynamic behavior of a hyperbolic system derived from a thermoelastic equation with memory type. *Journal of the Franklin Institute*, **2007**, 344, 75-96	4	19

17	Optimal Energy Decay for a Nonhomogeneous Flexible Beam with a Tip Mass. *Journal of Dynamical and Control Systems*, **2007**, 13, 37-53	1.1	11
16	Stabilization of a One-Dimensional Dam-River System: Nondissipative and Noncollocated Case. *Journal of Optimization Theory and Applications*, **2007**, 134, 223-239	1.6	12
15	On the stability of swelling porous elastic soils with fluid saturation by one internal damping. *IMA Journal of Applied Mathematics*, **2006**, 71, 565-582	1	25
14	Boundary feedback stabilization of a three-layer sandwich beam: Riesz basis approach. *ESAIM - Control, Optimisation and Calculus of Variations*, **2006**, 12, 12-34	1	15
13	A New Approach to the Stabilization of a Rayleigh Beam Using Collocated Control and Observation **2006**,		1
12	Riesz Basis Generation of Abstract Second-Order Partial Differential Equation Systems with General Non-Separated Boundary Conditions. *Numerical Functional Analysis and Optimization*, **2006**, 27, 291-328	1	17
11	Stabilization and optimal decay rate for a non-homogeneous rotating body-beam with dynamic boundary controls. *Journal of Mathematical Analysis and Applications*, **2006**, 318, 667-691	1.1	27
10	Stability of a nonuniform Rayleigh beam with indefinite damping. *Systems and Control Letters*, **2006**, 55, 863-870	2.4	3
9	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 *Systems and Control Letters*, **2006**, 55, 1029-1032	2.4	7
8	Exponential Stabilization ofLaminated Beams with Structural Damping and Boundary Feedback Controls. *SIAM Journal on Control and Optimization*, **2005**, 44, 1575-1597	1.9	58
7	The well-posedness and stability of a beam equation with conjugate variables assigned at the same boundary point. *IEEE Transactions on Automatic Control*, **2005**, 50, 2087-2093	5.9	4
6	On the -semigroup generation and exponential stability resulting from a shear force feedback on a rotating beam. *Systems and Control Letters*, **2005**, 54, 557-574	2.4	33
5	Spectral analysis and system of fundamental solutions for Timoshenko beams. *Applied Mathematics Letters*, **2005**, 18, 127-134	3.5	24
4	Riesz basis property, exponential stability of variable coefficient EulerBernoulli beams with indefinite damping. *IMA Journal of Applied Mathematics*, **2005**, 70, 459-477	1	13
3	Exponential stability of variable coefficients Rayleigh beams under boundary feedback controls: a Riesz basis approach. *Systems and Control Letters*, **2004**, 51, 33-50	2.4	14
2	Spatiotemporally asynchronous sampled-data control of a linear parabolic PDE on a hypercube. *International Journal of Control*,1-10	1.5	2
1	Output feedback stabilization of an axially moving string subject to a spring-mass-dashpot. *International Journal of Control*,1-0	1.5	