

Shu-Xia Tang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

677
citations

840776

11
h-index

839539

18
g-index

38
all docs

38
docs citations

38
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	State and output feedback boundary control for a coupled PDE-ODE system. Systems and Control Letters, 2011, 60, 540-545.	2.3	184
2	Stabilization for a coupled PDE-ODE control system. Journal of the Franklin Institute, 2011, 348, 2142-2155.	3.4	104
3	State-of-Charge estimation from a thermal-electrochemical model of lithium-ion batteries. Automatica, 2017, 83, 206-219.	5.0	47
4	Exponential regulation of the anti-collocatedly disturbed cage in a wave PDE-modeled ascending cable elevator. Automatica, 2018, 95, 122-136.	5.0	41
5	Backstepping stabilization of the linearized Saint-Venant-Exner model. Automatica, 2017, 76, 345-354.	5.0	36
6	Adaptive output-feedback control of torsional vibration in off-shore rotary oil drilling systems. Automatica, 2020, 111, 108640.	5.0	35
7	Boundary stabilization of a coupled wave-ODE system with internal anti-damping. International Journal of Control, 2012, 85, 1683-1693.	1.9	32
8	Sliding mode control to the stabilization of a linear 2×2 hyperbolic system with boundary input disturbance. , 2014, , .		21
9	Parabolic PDE-based multi-agent formation control on a cylindrical surface. International Journal of Control, 2019, 92, 77-99.	1.9	16
10	State-of-charge estimation for lithium-ion batteries via a coupled thermal-electrochemical model. , 2015, , .		15
11	Asymptotic stability of a Korteweg-de Vries equation with a two-dimensional center manifold. Advances in Nonlinear Analysis, 2018, 7, 497-515.	2.6	14
12	Backstepping control of the one-phase stefan problem. , 2016, , .		13
13	Formation tracking control for multi-agent systems: A wave-equation based approach. International Journal of Control, Automation and Systems, 2017, 15, 2704-2713.	2.7	13
14	Energy-based stabilisation and robust stabilisation of stochastic nonlinear systems. IET Control Theory and Applications, 2018, 12, 318-325.	2.1	12
15	Event-triggered active disturbance rejection control for a class of networked systems with unmatched uncertainties: Theoretic and experimental results. Control Engineering Practice, 2021, 115, 104907.	5.5	12
16	Stabilization of a Heat-ODE System Cascaded at a Boundary Point and an Intermediate Point. Asian Journal of Control, 2017, 19, 1834-1843.	3.0	11
17	Control of shallow waves of two unmixed fluids by backstepping. Annual Reviews in Control, 2017, 44, 211-225.	7.9	10
18	Stabilization of a coupled PDE-ODE system by boundary control. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
19	Stabilization for a class of delayed coupled PDE-ODE systems with boundary control. , 2011, , .		8
20	Active Disturbance Rejection Control for a 2 nd -order Hyperbolic System with an Input Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11385-11390.	0.4	8
21	Battery internal temperature estimation via a semilinear thermal PDE model. Automatica, 2021, 133, 109849.	5.0	8
22	Local exponential stabilization of a coupled burgers' PDE-ODE system. , 2017, , .		5
23	Stabilization of linearized Korteweg-de Vries systems with anti-diffusion. , 2013, , .		4
24	Stabilization of linearized Korteweg-de Vries systems with anti-diffusion by boundary feedback with non-collocated observation. , 2015, , .		3
25	State Feedback Stabilization of the Linearized Bilayer Saint-Venant Model. IFAC-PapersOnLine, 2016, 49, 130-135.	0.9	3
26	Boundary control of a coupled Burgers' PDE-ODE system. International Journal of Robust and Nonlinear Control, 0, , .	3.7	3
27	Backstepping stabilization of the linearized Saint-Venant-Exner Model: Part I - state feedback. , 2015, , .		2
28	Optimal sensor design for infinite-time Kalman filters. , 2017, , .		2
29	Gevrey Class Regularity of a Semigroup Associated with a Nonlinear Korteweg-de Vries Equation. Chinese Annals of Mathematics Series B, 2018, 39, 201-212.	0.4	2
30	Backstepping stabilization of the linearized Saint-Venant-Exner Model: Part II- output feedback. , 2015, , .		1
31	Dissipation analysis and H [∞] control of stochastic nonlinear systems based on Hamiltonian realization. , 2016, , .		1
32	Observer design for an IPDE with time-dependent coefficients. , 2016, , .		1
33	State and Disturbance Estimator for Unstable Reaction-Advection-Diffusion PDE with Boundary Disturbance. , 2019, , 67-74.		1
34	PDE Observer for All-Solid-State Batteries via an Electrochemical Model. , 2021, , .		1
35	Output Feedback Stabilization of the Linearized Bilayer Saint-Venant Model. , 2016, , .		0
36	Observer-Based Stabilization of Stochastic Hamiltonian Systems. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	A study on minimum time regulation of a bounded congested road with upstream flow control. , 2019, , .		0
38	Well-posedness of networked scalar semilinear balance laws subject to nonlinear boundary control operators. , 2019, , .		0