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List of Publications by Year in Descending Order

276 papers	6,464 citations	43 h-index	70 g-index
304 ext. papers	8,133 ext. citations	2.5 avg, IF	6.82 L-index

#	Paper	IF	Citations
276	Boundary stabilization and disturbance rejection for an unstable time fractional diffusion-wave equation. *ESAIM - Control, Optimisation and Calculus of Variations*, **2022**, 28, 7	1	
275	Order reduction-based uniform approximation of exponential stability for one-dimensional Schrödinger equation. *Systems and Control Letters*, **2022**, 160, 105136	2.4	0
274	Output regulation for a heat equation with unknown exosystem. *Automatica*, **2022**, 138, 110159	5.7	1
273	Output regulation for 1-D reaction-diffusion equation with a class of time-varying disturbances from exosystem. *Automatica*, **2022**, 141, 110274	5.7	1
272	Boundary Stability Criterion for a Nonlinear Axially Moving Beam. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	0
271	Robust output regulation for Timoshenko beam equation with two inputs and two outputs. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 1245-1269	3.6	1
270	Robust output regulation of 1-d wave equation. *IFAC Journal of Systems and Control*, **2021**, 16, 100140	0.9	2
269	Robust tracking error feedback control for output regulation of Euler-Bernoulli beam equation. *Mathematics of Control, Signals, and Systems*, **2021**, 33, 707	1.3	1
268	Backstepping Active Disturbance Rejection Control for Lower Triangular Nonlinear Systems With Mismatched Stochastic Disturbances. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-15	7.3	3
267	Boundary control and observation to inverse coefficient problem for heat equation with unknown source and initial value. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
266	Absolute boundary stabilization for an axially moving Kirchhoff beam. *Automatica*, **2021**, 129, 109667	5.7	5
265	Finite dimensional control of multichannel systems. *Journal of Differential Equations*, **2021**, 296, 213-241	2.1	
264	Output tracking for a radiative density optical communication system with unknown disturbance. *IFAC Journal of Systems and Control*, **2021**, 17, 100164	0.9	
263	Uniformly semidiscretized approximation for exact observability and controllability of one-dimensional Euler-Bernoulli beam. *Systems and Control Letters*, **2021**, 156, 105013	2.4	0
262	Robust Tracking Error Feedback Control for a One-Dimensional Schrodinger Equation. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
261	H∞ Fuzzy Control for Nonlinear Fourth-Order Parabolic Equation Subject to Input Delay. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-9	7.3	0
260	A semi-discrete finite difference method to uniform stabilization of wave equation with local viscosity. *IFAC Journal of Systems and Control*, **2020**, 13, 100100	0.9	1

259	Dynamic and static feedback control for second order infinite-dimensional systems. *Asian Journal of Control*, **2020**, 23, 1431	1.7	0
258	Robust error based non-collocated output tracking control for a heat equation. *Automatica*, **2020**, 114, 108818	5.7	14
257	Stability and regularity transmission for coupled beam and wave equations through boundary weak connections. *ESAIM - Control, Optimisation and Calculus of Variations*, **2020**, 26, 73	1	1
256	Robust Output Tracking for an Euler-Bernoulli Beam with Boundary Displacement Error Measurement Only **2020**,		2
255	**2020**,		2
254	Boundary stabilization and disturbance rejection for a time fractional order diffusion-wave equation. *IFAC-PapersOnLine*, **2020**, 53, 3695-3700	0.7	0
253	Output Feedback Stabilization for a Class of First-Order Equation Setting of Collocated Well-Posed Linear Systems With Time Delay in Observation. *IEEE Transactions on Automatic Control*, **2020**, 65, 2612-2618	5.9	5
252	. *IEEE Transactions on Automatic Control*, **2020**, 65, 1841-1854	5.9	11
251	Asymptotic stabilization for a wave equation with periodic disturbance. *IMA Journal of Mathematical Control and Information*, **2020**, 37, 894-917	1.1	0
250	Stabilization and regularity transmission of a Schrödinger equation through boundary connections with a Kelvin-Voigt damped beam equation. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2020**, 100, e201900013	1	1
249	A New Semidiscretized Order Reduction Finite Difference Scheme for Uniform Approximation of One-Dimensional Wave Equation. *SIAM Journal on Control and Optimization*, **2020**, 58, 2256-2287	1.9	5
248	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	15
247	Output feedback stabilization for 1-D wave equation with variable coefficients and non-collocated observation. *Systems and Control Letters*, **2020**, 145, 104780	2.4	1
246	Fuzzy Observer for 2-D Parabolic Equation With Output Time Delay. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	3
245	Extended state observer for MIMO nonlinear systems with stochastic uncertainties. *International Journal of Control*, **2020**, 93, 424-436	1.5	7
244	Active disturbance rejection control to MIMO nonlinear systems with stochastic uncertainties: approximate decoupling and output-feedback stabilisation. *International Journal of Control*, **2020**, 93, 1408-1427	1.5	11
243	. *IEEE Transactions on Automatic Control*, **2020**, 65, 1940-1955	5.9	8
242	Arbitrary decay for boundary stabilization of Schrödinger equation subject to unknown disturbance by Lyapunov approach. *IFAC Journal of Systems and Control*, **2019**, 7, 100033	0.9	0

223	Nonfragile Exponential Synchronization of Delayed Complex Dynamical Networks With Memory Sampled-Data Control. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 118-128	10.3	156
222	Simultaneous identification of damping coefficient and initial value for PDEs from boundary measurement. *International Journal of Control*, **2018**, 91, 1508-1521	1.5	0
221	Further Results on Stabilization of Chaotic Systems Based on Fuzzy Memory Sampled-Data Control. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 1040-1045	8.3	130
220	A Novel Extended State Observer for Output Tracking of MIMO Systems With Mismatched Uncertainty. *IEEE Transactions on Automatic Control*, **2018**, 63, 211-218	5.9	85
219	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	2.5	39
218	Performance boundary output tracking for one-dimensional heat equation with boundary unmatched disturbance. *Automatica*, **2018**, 96, 1-10	5.7	30
217	Event-triggered dissipative synchronization for Markovian jump neural networks with general transition probabilities. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 3893-3908	3.6	34
216	Observer Design and Exponential Stabilization for Wave Equation in Energy Space by Boundary Displacement Measurement Only. *IEEE Transactions on Automatic Control*, **2017**, 62, 1438-1444	5.9	18
215	A nonlinear extended state observer based on fractional power functions. *Automatica*, **2017**, 81, 286-296	5.7	75
214	Active disturbance rejection control approach to output-feedback stabilization of lower triangular nonlinear systems with stochastic uncertainty. *International Journal of Robust and Nonlinear Control* , **2017**, 27, 2773-2797	3.6	13
213	Active disturbance rejection control: Old and new results. *Annual Reviews in Control*, **2017**, 44, 238-248	10.3	63
212	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	2.1	22
211	A New Active Disturbance Rejection Control to Output Feedback Stabilization for a One-Dimensional Anti-Stable Wave Equation With Disturbance. *IEEE Transactions on Automatic Control*, **2017**, 62, 3774-3787	5.9	71
210	Output tracking for a class of nonlinear systems with mismatched uncertainties by active disturbance rejection control. *Systems and Control Letters*, **2017**, 100, 21-31	2.4	53
209	Exponential Stability of the Monotubular Heat Exchanger Equation with Time Delay in Boundary Observation. *Mathematical Problems in Engineering*, **2017**, 2017, 1-8	1.1	
208	New unknown input observer and output feedback stabilization for uncertain heat equation. *Automatica*, **2017**, 86, 1-10	5.7	33
207	Comments on Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control [Automatica 63 (2016) 302 310]. *Automatica*, **2017**, 83, 398	5.7	1
206	Numerical solution to optimal feedback control by dynamic programming approach: A local approximation algorithm. *Journal of Systems Science and Complexity*, **2017**, 30, 782-802	1	5

205	Simultaneous identification of diffusion coefficient, spacewise dependent source and initial value for one-dimensional heat equation. *Mathematical Methods in the Applied Sciences*, **2017**, 40, 3552-3565	2.3	8
204	Results on stability of linear systems with time varying delay. *IET Control Theory and Applications*, **2017**, 11, 129-134	2.5	42
203	Non-fragile H∞ filtering for delayed Takagi–Sugeno fuzzy systems with randomly occurring gain variations. *Fuzzy Sets and Systems*, **2017**, 316, 99-116	3.7	36
202	Disturbance estimator based output feedback stabilizing control for an Euler-Bernoulli beam equation with boundary uncertainty **2017**,		3
201	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	0.7	
200	A new extended state observer for output tracking of nonlinear MIMO systems **2017**,		3
199	Well-posedness and exact controllability of fourth-order Schrödinger equation with hinged boundary control and collocated observation. *Mathematics of Control, Signals, and Systems*, **2016**, 28, 1	1.3	2
198	Optimal State Estimation for Non-Time Invertible Evolutionary Systems. *SIAM Journal on Control and Optimization*, **2016**, 54, 2754-2786	1.9	
197	The Active Disturbance Rejection Control **2016**, 155-290		0
196	The Tracking Differentiator (TD) **2016**, 53-91		2
195	Extended State Observer **2016**, 93-154		2
194	ADRC for Lower Triangular Nonlinear Systems **2016**, 291-339		
193	Boundary control method to identification of elastic modulus of string equation from Neumann-Dirichlet map. *Journal of Systems Science and Complexity*, **2016**, 29, 1212-1225	1	
192	Optimal actuator location of minimum norm controls for heat equation with general controlled domain. *Journal of Differential Equations*, **2016**, 261, 3588-3614	2.1	3
191	Output feedback stabilization for multi-dimensional Kirchhoff plate with general corrupted boundary observation. *European Journal of Control*, **2016**, 28, 38-48	2.5	7
190	Distributed disturbance estimator and application to stabilization for multi-dimensional wave equation with corrupted boundary observation. *Automatica*, **2016**, 66, 25-33	5.7	9
189	Performance output tracking for a wave equation subject to unmatched general boundary harmonic disturbance. *Automatica*, **2016**, 68, 194-202	5.7	42
188	On Convergence of Nonlinear Active Disturbance Rejection Control for SISO Nonlinear Systems. *Journal of Dynamical and Control Systems*, **2016**, 22, 385-412	1.1	51

187	Stabilisation of unstable cascaded heat partial differential equation system subject to boundary disturbance. *IET Control Theory and Applications*, **2016**, 10, 1027-1039	2.5	16
186	Output feedback stabilisation for a cascaded wave PDE-ODE system subject to boundary control matched disturbance. *International Journal of Control*, **2016**, 89, 2396-2405	1.5	21
185	On optimal location of diffusion and related optimal control for null controllable heat equation. *Journal of Mathematical Analysis and Applications*, **2016**, 433, 1333-1349	1.1	1
184	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	5.9	83
183	Local exact controllability to positive trajectory for parabolic system of chemotaxis. *Mathematical Control and Related Fields*, **2016**, 6, 143-165	1.5	1
182	Active disturbance rejection control approach to stabilization of lower triangular systems with uncertainty. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 2314-2337	3.6	23
181	Output feedback stabilization for one-dimensional heat equation with general external disturbance **2016**,		3
180	A high gain free extended state observer to output feedback stabilization of one-dimensional unstable wave equation **2016**,		4
179	Mixed H 2/H control for linear infinite-dimensional systems. *International Journal of Control, Automation and Systems*, **2016**, 14, 128-139	2.9	2
178	Non-fragile H filtering for nonlinear discrete-time delay systems with randomly occurring gain variations. *ISA Transactions*, **2016**, 63, 196-203	5.5	21
177	Extended state observer for uncertain lower triangular nonlinear systems subject to stochastic disturbance. *Control Theory and Technology*, **2016**, 14, 179-188	1	2
176	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.. *IFAC-PapersOnLine*, **2016**, 49, 278-283	0.7	8
175	On convergence of nonlinear extended stated observers with switching functions **2016**,		1
174	**2016**,		51
173	Quasi-compactness and irreducibility of queueing models. *Semigroup Forum*, **2015**, 91, 560-572	0.5	4
172	Convergence of an Upwind Finite-Difference Scheme for Hamilton Jacobi Bellman Equation in Optimal Control. *IEEE Transactions on Automatic Control*, **2015**, 60, 3012-3017	5.9	12
171	On Stability Equivalence between Dynamic Output Feedback and Static Output Feedback for a Class of Second Order Infinite-Dimensional Systems. *SIAM Journal on Control and Optimization*, **2015**, 53, 1934-1955	1.9	9
170	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	5.9	97

169	Continuous dependence of optimal control to controlled domain of actuator for heat equation. *Systems and Control Letters*, **2015**, 79, 30-38	2.4	2
168	Extended state observer for uncertain lower triangular nonlinear systems. *Systems and Control Letters*, **2015**, 85, 100-108	2.4	57
167	Output Feedback Stabilization for One-Dimensional Wave Equation Subject to Boundary Disturbance. *IEEE Transactions on Automatic Control*, **2015**, 60, 824-830	5.9	92
166	Lyapunov approach to output feedback stabilization for the Euler Bernoulli beam equation with boundary input disturbance. *Automatica*, **2015**, 52, 95-102	5.7	103
165	Optimal actuator location for time and norm optimal control of null controllable heat equation. *Mathematics of Control, Signals, and Systems*, **2015**, 27, 23-48	1.3	10
164	Parameter estimation and stabilization for one-dimensional Schrödinger equation with boundary output constant disturbance and non-collocated control. *Journal of the Franklin Institute*, **2015**, 352, 2047-2064	4	11
163	**2015**,		3
162	On active disturbance rejection control for nonlinear systems using time-varying gain. *European Journal of Control*, **2015**, 23, 62-70	2.5	66
161	The active disturbance rejection control approach to stabilisation of coupled heat and ODE system subject to boundary control matched disturbance. *International Journal of Control*, **2015**, 88, 1554-1564	1.5	31
160	Active disturbance rejection control: Theoretical perspectives. *Communications in Information and Systems*, **2015**, 15, 361-421	0.8	29
159	Well-Posedness and Exact Controllability of Fourth Order Schrödinger Equation with Boundary Control and Collocated Observation. *SIAM Journal on Control and Optimization*, **2014**, 52, 365-396	1.9	15
158	Stability of optimal control of heat equation with singular potential. *Systems and Control Letters*, **2014**, 74, 18-23	2.4	1
157	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	1.1	30
156	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	1.9	26
155	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		1
154	Active Disturbance Rejection Control for a 2 Hyperbolic System with an Input Disturbance. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 11385-11390		6
153	Well-posedness and regularity of Euler Bernoulli equation with variable coefficient and Dirichlet boundary control and collocated observation. *Mathematical Methods in the Applied Sciences*, **2014**, 37, 2889-2905	2.3	2
152	Lyapunov approach to boundary stabilization of an anti-stable heat equation with boundary disturbance **2014**,		1

151	Lyapunov approach to the boundary stabilisation of a beam equation with boundary disturbance. *International Journal of Control*, **2014**, 87, 925-939	1.5	33
150	Output feedback stabilization of an unstable wave equation with general corrupted boundary observation. *Automatica*, **2014**, 50, 3164-3172	5.7	22
149	The Lyapunov approach to boundary stabilization of an anti-stable one-dimensional wave equation with boundary disturbance. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 54-69	3.6	22
148	Local null controllability for a chemotaxis system of parabolic-elliptic type. *Systems and Control Letters*, **2014**, 65, 106-111	2.4	5
147	Sliding mode control and active disturbance rejection control to the stabilization of one-dimensional Schrödinger equation subject to boundary control matched disturbance. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 2194-2212	3.6	78
146	Dynamic programming approach to the numerical solution of optimal control with paradigm by a mathematical model for drug therapies of HIV/AIDS. *Optimization and Engineering*, **2014**, 15, 119-136	2.1	2
145	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
144	Stabilization and regulator design for a one-dimensional unstable wave equation with input harmonic disturbance. *International Journal of Robust and Nonlinear Control*, **2013**, 23, 514-533	3.6	40
143	On Convergence of Boundary Hausdorff Measure and Application to a Boundary Shape Optimization Problem. *SIAM Journal on Control and Optimization*, **2013**, 51, 253-272	1.9	4
142	A state dependent pulse control strategy for a SIRS epidemic system. *Bulletin of Mathematical Biology*, **2013**, 75, 1697-715	2.1	17
141	On nodal line of the second eigenfunction of the Laplacian over concave domains in R2. *Journal of Systems Science and Complexity*, **2013**, 26, 483-488	1	3
140	On Convergence of the Nonlinear Active Disturbance Rejection Control for MIMO Systems. *SIAM Journal on Control and Optimization*, **2013**, 51, 1727-1757	1.9	177
139	Adaptive Output Feedback Stabilization for One-Dimensional Wave Equation with Corrupted Observation by Harmonic Disturbance. *SIAM Journal on Control and Optimization*, **2013**, 51, 1679-1706	1.9	28
138	The active disturbance rejection and sliding mode control approach to the stabilization of the Euler-Bernoulli beam equation with boundary input disturbance. *Automatica*, **2013**, 49, 2911-2918	5.7	155
137	Weak Convergence of Nonlinear High-Gain Tracking Differentiator. *IEEE Transactions on Automatic Control*, **2013**, 58, 1074-1080	5.9	53
136	Sliding Mode and Active Disturbance Rejection Control to Stabilization of One-Dimensional Anti-Stable Wave Equations Subject to Disturbance in Boundary Input. *IEEE Transactions on Automatic Control*, **2013**, 58, 1269-1274	5.9	130
135	**2013**,		1
134	Parameter Estimation and Non-Collocated Adaptive Stabilization for a Wave Equation Subject to General Boundary Harmonic Disturbance. *IEEE Transactions on Automatic Control*, **2013**, 58, 1631-1643	5.9	57

133	The Existence of Optimal Solution for a Shape Optimization Problem on Starlike Domain. *Journal of Optimization Theory and Applications*, **2012**, 152, 21-30	1.6	3
132	Some Compact Classes of Open Sets under Hausdorff Distance and Application to Shape Optimization. *SIAM Journal on Control and Optimization*, **2012**, 50, 222-242	1.9	5
131	On convergence of non-linear extended state observer for multi-input multi-output systems with uncertainty. *IET Control Theory and Applications*, **2012**, 6, 2375-2386	2.5	96
130	On convergence of nonlinear active disturbance rejection for SISO systems **2012**,		21
129	Global stability for a delayed HIV-1 infection model with nonlinear incidence of infection. *Applied Mathematics and Computation*, **2012**, 219, 617-623	2.7	12
128	An algorithm for determination of age-specific fertility rate from initial age structure and total population. *Journal of Systems Science and Complexity*, **2012**, 25, 833-844	1	3
127	Output feedback stabilization of a one-dimensional wave equation with an arbitrary time delay in boundary observation. *ESAIM - Control, Optimisation and Calculus of Variations*, **2012**, 18, 22-35	1	35
126	On Spectrum and Riesz basis property for one-dimensional wave equation with Boltzmann damping. *ESAIM - Control, Optimisation and Calculus of Variations*, **2012**, 18, 889-913	1	11
125	Well-posedness and regularity for non-uniform Schrödinger and Euler-Bernoulli equations with boundary control and observation. *Quarterly of Applied Mathematics*, **2012**, 70, 111-132	0.7	3
124	Parameter estimation and stabilisation for a one-dimensional wave equation with boundary output constant disturbance and non-collocated control. *International Journal of Control*, **2011**, 84, 381-395	1.5	15
123	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
122	Boundary Controllers and Observers for the Linearized Schrödinger Equation. *SIAM Journal on Control and Optimization*, **2011**, 49, 1479-1497	1.9	58
121	The Stabilization of One-Dimensional Wave Equation by Delayed Output Feedback. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 12538-12543		
120	Extended State Observer for Nonlinear Systems with Uncertainty. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 1855-1860		7
119	Spectral Analysis and Riesz Basis Property for Wave Equation with Boltzmann Damping. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 14374-14379		
118	Blow-up solution of nonlinear reaction-diffusion equations under boundary feedback. *Journal of Dynamical and Control Systems*, **2011**, 17, 273-290	1.1	3
117	Global existence and blow-up solutions for quasilinear reaction–diffusion equations with a gradient term. *Applied Mathematics Letters*, **2011**, 24, 936-942	3.5	10
116	Parameter estimation and stabilization for a wave equation with boundary output harmonic disturbance and non-collocated control. *International Journal of Robust and Nonlinear Control*, **2011**, 21, 1297-1321	3.6	28

115	On the spectrum of Euler Bernoulli beam equation with Kelvin Voigt damping. *Journal of Mathematical Analysis and Applications*, **2011**, 374, 210-229	1.1	7
114	On the convergence of an extended state observer for nonlinear systems with uncertainty. *Systems and Control Letters*, **2011**, 60, 420-430	2.4	461
113	On convergence of tracking differentiator. *International Journal of Control*, **2011**, 84, 693-701	1.5	142
112	A note for the global stability of a delay differential equation of hepatitis B virus infection. *Mathematical Biosciences and Engineering*, **2011**, 8, 689-94	2.1	13
111	Backstepping approach to the arbitrary decay rate for Euler Bernoulli beam under boundary feedback. *International Journal of Control*, **2010**, 83, 2098-2106	1.5	23
110	Feedthrough Operator for Linear Elasticity System with Boundary Control and Observation. *SIAM Journal on Control and Optimization*, **2010**, 48, 3708-3734	1.9	10
109	. *IEEE Transactions on Automatic Control*, **2010**, 55, 1226-1232	5.9	19
108	Correction to Output Feedback Stabilization of a One-Dimensional Schrödinger Equation by Boundary Observation with Time Delay [May 10 1226-1232]. *IEEE Transactions on Automatic Control*, **2010**, 55, 2676-2676	5.9	7
107	Blow-up and global existence for nonlinear parabolic equations with Neumann boundary conditions. *Computers and Mathematics With Applications*, **2010**, 60, 670-679	2.7	14
106	Approximation of optimal feedback control: a dynamic programming approach. *Journal of Global Optimization*, **2010**, 46, 395-422	1.5	7
105	Well-posedness and regularity of Naghdi's shell equation under boundary control and observation. *Journal of Differential Equations*, **2010**, 249, 3174-3214	2.1	12
104	Arbitrary decay rate for two connected strings with joint anti-damping by boundary output feedback. *Automatica*, **2010**, 46, 1203-1209	5.7	17
103	Spectral analysis of a wave equation with Kelvin-Voigt damping. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2010**, 90, 323-342	1	15
102	Blow-up and global solutions for quasilinear parabolic equations with Neumann boundary conditions. *Applicable Analysis*, **2009**, 88, 183-191	0.8	7
101	Dynamic behavior of a heat equation with memory. *Mathematical Methods in the Applied Sciences*, **2009**, 32, 1287-1310	2.3	17
100	Well-posedness and regularity of weakly coupled wave-plate equation with boundary control and observation. *Journal of Dynamical and Control Systems*, **2009**, 15, 331-358	1.1	10
99	On exponential stability of a semilinear wave equation with variable coefficients under the nonlinear boundary feedback. *Nonlinear Analysis: Theory, Methods & Applications*, **2009**, 71, 5961-5978	1.3	26
98	Stabilization of an abstract second order system with application to wave equations under non-collocated control and observations. *Systems and Control Letters*, **2009**, 58, 334-341	2.4	10

97	Analyticity of a thermoelastic plate with variable coefficients. *Journal of Mathematical Analysis and Applications*, **2009**, 354, 330-338	1.1	5
96	The strong stabilization of a one-dimensional wave equation by non-collocated dynamic boundary feedback control. *Automatica*, **2009**, 45, 790-797	5.7	43
95	Stability analysis of an HIV/AIDS epidemic model with treatment. *Journal of Computational and Applied Mathematics*, **2009**, 229, 313-323	2.4	107
94	Dynamic stabilization of an Euler-Bernoulli beam equation with time delay in boundary observation. *Automatica*, **2009**, 45, 1468-1475	5.7	77
93	Well-Posedness of Systems of Linear Elasticity with Dirichlet Boundary Control and Observation. *SIAM Journal on Control and Optimization*, **2009**, 48, 2139-2167	1.9	10
92	Arbitrary Decay Rate for Euler-Bernoulli Beam by Backstepping Boundary Feedback. *IEEE Transactions on Automatic Control*, **2009**, 54, 1134-1140	5.9	79
91	Control of a Tip-Force Destabilized Shear Beam by Observer-Based Boundary Feedback. *SIAM Journal on Control and Optimization*, **2008**, 47, 553-574	1.9	64
90	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
89	A new algorithm for finding numerical solutions of optimal feedback control. *IMA Journal of Mathematical Control and Information*, **2008**, 26, 95-104	1.1	4
88	Boundary Output Feedback Stabilization of A One-Dimensional Wave Equation System With Time Delay. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 8755-8760		11
87	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		
86	Stabilization of Multidimensional Wave Equations under Non-Collocated Controls and Observations. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 11328-11333		1
85	Identifiability of Variable Coefficients for Vibrating Systems by Boundary Control and Observation in Finite Time Duration. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 13396-13401		
84	Analyticity and Dynamic Behavior of a Damped Three-Layer Sandwich Beam. *Journal of Optimization Theory and Applications*, **2008**, 137, 675-689	1.6	13
83	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
82	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
81	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
80	Output-feedback stabilization of an unstable wave equation. *Automatica*, **2008**, 44, 63-74	5.7	150

79	On well-posedness, regularity and exact controllability for problems of transmission of plate equation with variable coefficients. *Quarterly of Applied Mathematics*, **2007**, 65, 705-736	0.7	8
78	Identification of variable spacial coefficients for a beam equation from boundary measurements. *Automatica*, **2007**, 43, 732-737	5.7	23
77	Adaptive stabilization for a Kirchhoff-type nonlinear beam under boundary output feedback control. *Nonlinear Analysis: Theory, Methods & Applications*, **2007**, 66, 427-441	1.3	28
76	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
75	Numerical solution to the optimal feedback control of continuous casting process. *Journal of Global Optimization*, **2007**, 39, 171-195	1.5	26
74	Well-posedness and regularity for an Euler–Bernoulli plate with variable coefficients and boundary control and observation. *Mathematics of Control, Signals, and Systems*, **2007**, 19, 337-360	1.3	8
73	Observer Based Boundary Control of an Unstable Wave Equation. *Proceedings of the American Control Conference*, **2007**,	1.2	1
72	Boundary controllers and observers for Schrödinger equation **2007**,		7
71	On the well-posedness and regularity of the wave equation with variable coefficients. *ESAIM - Control, Optimisation and Calculus of Variations*, **2007**, 13, 776-792	1	12
70	The Stabilization of a One-Dimensional Wave Equation by Boundary Feedback With Noncollocated Observation. *IEEE Transactions on Automatic Control*, **2007**, 52, 371-377	5.9	68
69	On the Relation between Stability of Continuous- and Discrete-Time Evolution Equations via the Cayley Transform. *Integral Equations and Operator Theory*, **2006**, 54, 349-383	0.5	17
68	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
67	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
66	A New Algorithm for Finding Numerical Solutions of Optimal Feedback Control Law **2006**,		1
65	A New Approach to the Stabilization of a Rayleigh Beam Using Collocated Control and Observation **2006**,		1
64	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
63	Expansion of solution in terms of generalized eigenfunctions for a hyperbolic system with static boundary condition. *Journal of Functional Analysis*, **2006**, 231, 245-268	1.4	28
62	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

61	Regularity of an Euler-Bernoulli Equation with Neumann Control and Collocated Observation. *Journal of Dynamical and Control Systems*, **2006**, 12, 405-418	1.1	24
60	The Regularity of the Wave Equation with Partial Dirichlet Control and Colocated Observation. *SIAM Journal on Control and Optimization*, **2005**, 44, 1598-1613	1.9	39
59	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
58	Stabilization and parameter estimation for an EulerBernoulli beam equation with uncertain harmonic disturbance under boundary output feedback control. *Nonlinear Analysis: Theory, Methods & Applications*, **2005**, 61, 671-693	1.3	9
57	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
56	Regularity of a Schrödinger equation with Dirichlet control and colocated observation. *Systems and Control Letters*, **2005**, 54, 1135-1142	2.4	43
55	Numerical solution to the optimal birth feedback control of a population dynamics: viscosity solution approach. *Optimal Control Applications and Methods*, **2005**, 26, 229-254	1.7	11
54	Maximum principle for the optimal control of an ablation-transpiration cooling system with free final time and phase constraints. *Journal of Control Theory and Applications*, **2005**, 3, 101-109		
53	Boundary Controllability and Observability of a One-Dimensional Nonuniform SCOLE System. *Journal of Optimization Theory and Applications*, **2005**, 127, 89-108	1.6	14
52	A hybrid symbolic-numerical simulation method for some typical boundary control problems **2004**,		1
51	On harmonic disturbance rejection of an undamped Euler-Bernoulli beam with rigid tip body. *ESAIM - Control, Optimisation and Calculus of Variations*, **2004**, 10, 615-623	1	5
50	A Hybrid Symbolic-Numerical Simulation Method for Some Typical Boundary Control Problems. *Simulation*, **2004**, 80, 635-643	1.2	9
49	On Spectrum of a General Petrovsky Type Equation and Riesz Basis of N-Connected Beams with Linear Feedback at Joints. *Journal of Dynamical and Control Systems*, **2004**, 10, 187-211	1.1	5
48	Stabilization of an Elastic Plate with Viscoelastic Boundary Conditions. *Journal of Optimization Theory and Applications*, **2004**, 122, 669-690	1.6	6
47	Differentiability of the C0-semigroup and Failure of Riesz Basis for a Mono-tubular Heat Exchanger Equation with Output Feedback: A Case Study. *Semigroup Forum*, **2004**, 69, 462	0.5	7
46	Basis property and stabilization of a translating tensioned beam through a pointwise control force. *Computers and Mathematics With Applications*, **2004**, 47, 1397-1409	2.7	2
45	Riesz bases and exact controllability of C0-groups with one-dimensional input operators. *Systems and Control Letters*, **2004**, 52, 221-232	2.4	11
44	A Sufficient Condition on Riesz Basis with Parentheses of Non--Self-Adjoint Operator and Application to a Serially Connected String System under Joint Feedbacks. *SIAM Journal on Control and Optimization*, **2004**, 43, 1234-1252	1.9	19

43	High-gain adaptive regulator for a string equation with uncertain harmonic disturbance under boundary output feedback control. *Journal of Control Theory and Applications*, **2003**, 1, 35-42		
42	Riesz Basis Property of Evolution Equations in Hilbert Spaces and Application to a Coupled String Equation. *SIAM Journal on Control and Optimization*, **2003**, 42, 966-984	1.9	57
41	Controllability and stability of a second-order hyperbolic system with collocated sensor/actuator. *Systems and Control Letters*, **2002**, 46, 45-65	2.4	60
40	On the Boundary Control of a Hybrid System with Variable Coefficients. *Journal of Optimization Theory and Applications*, **2002**, 114, 373-395	1.6	34
39	Basis Property of a Rayleigh Beam with Boundary Stabilization. *Journal of Optimization Theory and Applications*, **2002**, 112, 529-547	1.6	5
38	Linear tracking-differentiator and application to online estimation of the frequency of a sinusoidal signal with random noise perturbation. *International Journal of Systems Science*, **2002**, 33, 351-358	2.3	26
37	Riesz basis property of a second-order hyperbolic system with collocated scalar input-output. *IEEE Transactions on Automatic Control*, **2002**, 47, 693-698	5.9	9
36	Riesz Basis Approach to the Tracking Control of a Flexible Beam with a Tip Rigid Body without Dissipativity. *Optimization Methods and Software*, **2002**, 17, 655-681	1.3	6
35	Riesz Basis Property and Exponential Stability of Controlled Euler--Bernoulli Beam Equations with Variable Coefficients. *SIAM Journal on Control and Optimization*, **2002**, 40, 1905-1923	1.9	65
34	Riesz Basis Approach to the Stabilization of a Flexible Beam with a Tip Mass. *SIAM Journal on Control and Optimization*, **2001**, 39, 1736-1747	1.9	106
33	Riesz basis generation, eigenvalues distribution, and exponential stability for a euler-bernoulli beam with joint feedback control. *Revista Matematica Complutense*, **2001**, 14, 205	0.8	19
32	A semi-discrete approach to modelling and control of the continuous casting process. *Steel Research = Archiv Fü Das Eisenhüttenwesen*, **2000**, 71, 220-227		2
31	On the spectrum-determined growth condition of a vibration cable with a tip mass. *IEEE Transactions on Automatic Control*, **2000**, 45, 89-93	5.9	12
30	Asymptotic Behavior of the Energy of Vibration of a Moving String with Varying Lengths. *JVC/Journal of Vibration and Control*, **2000**, 6, 491-507	2	2
29	A linear tracking-differentiator and application to the online estimation of the frequency of a sinusoidal signal **2000**,		10
28	Stabilization of a Translating Tensioned Beam Through a Pointwise Control Force. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2000**, 122, 322-331	1.6	6
27	The first real eigenvalue of a one-dimensional linear thermoelastic system. *Computers and Mathematics With Applications*, **1999**, 38, 249-256	2.7	4
26	On the exponential stability of C 0-semigroups on Banach spaces with compact perturbations. *Semigroup Forum*, **1999**, 59, 190-196	0.5	7

#	Reference		
25	Stability and Stabilization of Infinite Dimensional Systems with Applications. *Communications and Control Engineering*, **1999**,	0.6	238
24	On the exponential stability of an initial-boundary equation arising from strain feedback control of flexible robot arms with rigid offset. *International Journal of Control*, **1998**, 69, 227-238	1.5	4
23	Free and Forced Vibration of an Axially Moving String With an Arbitrary Velocity Profile. *Journal of Applied Mechanics, Transactions ASME*, **1998**, 65, 901-907	2.7	20
22	Asymptotic Distribution of Eigenvalues of a Constrained Translating String. *Journal of Applied Mechanics, Transactions ASME*, **1997**, 64, 613-619	2.7	9
21	On Hybrid Boundary Control of Flexible Systems. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **1997**, 119, 836-839	1.6	2
20	Shear force feedback control of a single-link flexible robot with a revolute joint. *IEEE Transactions on Automatic Control*, **1997**, 42, 53-65	5.9	64
19	Asymptotic Behavior of the Eigenfrequency of a One-Dimensional Linear Thermoelastic System. *Journal of Mathematical Analysis and Applications*, **1997**, 213, 406-421	1.1	12
18	ON THE ENERGY DECAY OF TWO COUPLED STRINGS THROUGH A JOINT DAMPER. *Journal of Sound and Vibration*, **1997**, 203, 447-455	3.9	16
17	NEW RESULTS ON THE EXPONENTIAL STABILITY OF NON-STATIONARY POPULATION DYNAMICS. *Acta Mathematica Scientia*, **1996**, 16, 330-337	0.7	3
16	Stability analysis of a hybrid system arising from feedback control of flexible robots. *Japan Journal of Industrial and Applied Mathematics*, **1996**, 13, 417-434	0.6	10
15	Initial-boundary value problem and exponential decay for a flexible-beam vibration with gain adaptive direct strain feedback control. *Nonlinear Analysis: Theory, Methods & Applications*, **1996**, 27, 353-365	1.3	17
14	Tracking control of a flexible beam by nonlinear boundary feedback. *Journal of Applied Mathematics and Stochastic Analysis*, **1995**, 8, 47-58		8
13	. *IEEE Transactions on Automatic Control*, **1995**, 40, 747-751	5.9	31
12	. *IEEE Transactions on Automation Science and Engineering*, **1995**, 11, 760-765		54
11	On the Semigroup for Age Dependent Population Dynamics with Spatial Diffusion. *Journal of Mathematical Analysis and Applications*, **1994**, 184, 190-199	1.1	18
10	Semigroup approach to the stability of a direct strain feedback control system of elastic vibration with structure damping. *Applied Mathematics Letters*, **1994**, 7, 95-100	3.5	1
9	Rothe approximation to an ablation-transpiration cooling control system. *Mathematical and Computer Modelling*, **1993**, 18, 63-74		
8	Age-dependent population dynamics based on parity interval progression. *Mathematical and Computer Modelling*, **1992**, 16, 57-68		2

List of Publications

7	Controlled age-dependent population dynamics based on parity progression. *Journal of Mathematical Analysis and Applications*, **1992**, 166, 442-455	1.1	4
6	A time-dependent McKendrick population model for logistic transition. *Mathematical and Computer Modelling*, **1991**, 15, 49-59		1
5	Global behaviour of age-dependent logistic population models. *Journal of Mathematical Biology*, **1990**, 28, 225-35	2	17
4	Optimal birth control of population dynamics. II. Problems with free final time, phase constraints, and mini-max costs. *Journal of Mathematical Analysis and Applications*, **1990**, 146, 523-39	1.1	38
3	Pointwise Stabilization for a Chain of Coupled Vibrating Strings. *IMA Journal of Mathematical Control and Information*, **1990**, 7, 307-315	1.1	5
2	Optimal birth control of population dynamics. *Journal of Mathematical Analysis and Applications*, **1989**, 144, 532-52	1.1	57
1	A new boundary control method for beam equation with delayed boundary measurement using modified Smith predictors		1