Emilia Fridman

List of Publications by Year in Descending Order

331 papers	12,829 citations	58 h-index	108 g-index
374 ext. papers	15,963 ext. citations	3.3 avg, IF	7.47 L-index

#	Paper	IF	Citations
331	Regional Stabilization of the 1-D Kuramoto-Sivashinsky Equation via Modal Decomposition **2022**, 6, 1814-1819		0
330	L2-gain analysis via time-delay approach to periodic averaging with stochastic extension. *Automatica*, **2022**, 137, 110126	5.7	1
329	Extremum seeking via a time-delay approach to averaging. *Automatica*, **2022**, 135, 109965	5.7	2
328	Sampled-data finite-dimensional boundary control of 1D parabolic PDEs under point measurement via a novel ISS Halanay inequality. *Automatica*, **2022**, 135, 109966	5.7	2
327	Sub-Predictors and Classical Predictors for Finite-Dimensional Observer-Based Control of Parabolic PDEs **2022**, 6, 626-631		2
326	Practical Stability Preservation Under Sampling, Actuation Disturbance and Measurement Noise, for Globally Lipschitz Time-Delay Systems. *Advances in Delays and Dynamics*, **2022**, 109-124	0.3	
325	PDE-Based Deployment of Multiagents Measuring Relative Position to One Neighbor **2022**, 6, 2563-2568		
324	Delayed finite-dimensional observer-based control of 1D parabolic PDEs via reduced-order LMIs. *Automatica*, **2022**, 142, 110341	5.7	0
323	Global finite-dimensional observer-based stabilization of a semilinear heat equation with large input delay. *Systems and Control Letters*, **2022**, 165, 105275	2.4	0
322	Delayed finite-dimensional observer-based control of 1D heat equation under Neumann actuation **2021**,		2
321	A time-delay approach to vibrational control with square wave dithers. *IFAC-PapersOnLine*, **2021**, 54, 35-40	0.7	0
320	Distributed Sampled-data PID Control for Voltage Regulation in Inverter-Based Islanded Microgrids Using Artificial Delays. *IFAC-PapersOnLine*, **2021**, 54, 186-191	0.7	
319	Finite-dimensional boundary control of the linear Kuramoto-Sivashinsky equation under point measurement with guaranteed L^2-gain. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	3
318	Distributed Observers With Time-Varying Delays. *IEEE Transactions on Automatic Control*, **2021**, 66, 5354-5361	5.9	2
317	Robust Adaptive Stabilization by Delay Under State Parametric Uncertainty and Measurement Bias. *IEEE Transactions on Automatic Control*, **2021**, 66, 5459-5466	5.9	1
316	Output-feedback Lyapunov redesign of uncertain systems with delayed measurements. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 3747-3766	3.6	1
315	Finite-dimensional control of the heat equation: Dirichlet actuation and point measurement. *European Journal of Control*, **2021**, 62, 158-158	2.5	4

314	. *IEEE Transactions on Control Systems Technology*, **2021**, 29, 691-703	4.8	6
313	Boundary Delayed Observer-Controller Design for Reaction–Diffusion Systems. *IEEE Transactions on Automatic Control*, **2021**, 66, 275-282	5.9	20
312	Observer-Based Decentralized Predictor Control for Large-Scale Interconnected Systems With Large Delays. *IEEE Transactions on Automatic Control*, **2021**, 66, 2897-2904	5.9	4
311	Delayed finite-dimensional observer-based control of 1-D parabolic PDEs. *Automatica*, **2021**, 123, 109364	5.7	12
310	Event-triggered control of Korteweg–de Vries equation under averaged measurements. *Automatica*, **2021**, 123, 109315	5.7	5
309	Sub-predictors for network-based control under uncertain large delays. *Automatica*, **2021**, 123, 109350	5.7	7
308	Exponential input-to-state stability of globally Lipschitz time-delay systems under sampled-data noisy output feedback and actuation disturbances. *International Journal of Control*, **2021**, 94, 1682-1692	1.5	3
307	Dynamic event-triggered control of networked stochastic systems with scheduling protocols. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	4
306	Sampled-data control of 2D Kuramoto-Sivashinsky equation. *IEEE Transactions on Automatic Control* , **2021**, 1-1	5.9	2
305	Delayed Disturbance Attenuation via Measurement Noise Estimation. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	0
304	Data-Driven Control for Linear Discrete-Time Delay Systems. *IEEE Transactions on Automatic Control* , **2021**, 1-1	5.9	2
303	Network-based deployment of nonlinear multi agents over open curves: A PDE approach. *Automatica*, **2021**, 129, 109697	5.7	4
302	A behavioural dynamic model for constant power loads in single-phase AC systems. *Automatica*, **2021**, 131, 109744	5.7	0
301	Delayed stabilization of parabolic PDEs via augmented Lyapunov functionals and Legendre polynomials. *Systems and Control Letters*, **2021**, 156, 105003	2.4	0
300	Digital implementation of derivative-dependent control by using delays for stochastic multi-agents. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
299	Converse Lyapunov–Krasovskii theorem for ISS of neutral systems in Sobolev spaces. *Automatica*, **2020**, 118, 109042	5.7	5
298	Constrained control of 1-D parabolic PDEs using sampled in space sensing and actuation. *Systems and Control Letters*, **2020**, 140, 104698	2.4	4
297	Event-Triggered Load Frequency Control via Switching Approach. *IEEE Transactions on Power Systems*, **2020**, 35, 4484-4494	7	17

296	Predictor methods for decentralized control of large-scale systems with input delays. *Automatica*, **2020**, 116, 108903	5.7	14
295	Improved derivative-dependent control of stochastic systems via delayed feedback implementation. *Automatica*, **2020**, 119, 109101	5.7	2
294	Static Sliding Mode Control of Systems With Arbitrary Relative Degree by Using Artificial Delay. *IEEE Transactions on Automatic Control*, **2020**, 65, 5464-5471	5.9	16
293	Networked Control Under Communication Constraints. *Advances in Delays and Dynamics*, **2020**,	0.3	5
292	Improved observer design for heat equation with constant measurement delay via Legendre polynomials **2020**,		1
291	Using delays for digital implementation of derivative-dependent control of stochastic multi-agents. *IFAC-PapersOnLine*, **2020**, 53, 3602-3607	0.7	1
290	Stability analysis by averaging: a time-delay approach. *IFAC-PapersOnLine*, **2020**, 53, 4833-4837	0.7	1
289	Finite-dimensional observer-based controller for linear 1-D heat equation: an LMI approach. *IFAC-PapersOnLine*, **2020**, 53, 7611-7616	0.7	2
288	Feedback Control in the Presence of Input and Output Disturbances. *IFAC-PapersOnLine*, **2020**, 53, 4593-4598	0.7	1
287	On output-based accelerated stabilization of a chain of integrators: Implicit Lyapunov-Krasovskii functional approach. *IFAC-PapersOnLine*, **2020**, 53, 5982-5987	0.7	1
286	Event-triggered PI control of time-delay systems with parametric uncertainties. *IFAC-PapersOnLine*, **2020**, 53, 2739-2744	0.7	1
285	Stabilization of Burgers equation by constrained control. *IFAC-PapersOnLine*, **2020**, 53, 7497-7502	0.7	1
284	Finite-dimensional control of the Kuramoto-Sivashinsky equation under point measurement and actuation **2020**,		6
283	Adaptive stabilization by delay with biased measurements. *IFAC-PapersOnLine*, **2020**, 53, 1684-1689	0.7	
282	Decentralized Predictor Output Feedback for Large-scale Systems with Large Delays. *IFAC-PapersOnLine*, **2020**, 53, 7527-7532	0.7	1
281	Network-based deployment of the second-order multi agents: a PDE approach. *IFAC-PapersOnLine*, **2020**, 53, 7617-7622	0.7	1
280	Network-based control of a semilinear damped beam equation under point and pointlike measurements. *Systems and Control Letters*, **2020**, 136, 104617	2.4	5
279	Interval observer design and control of uncertain non-homogeneous heat equations. *Automatica*, **2020**, 111, 108595	5.7	8

278	Observer Design For a Class of Parabolic Systems With Large Delays and Sampled Measurements. *IEEE Transactions on Automatic Control*, **2020**, 65, 2200-2206	5.9	7
277	Constructive method for finite-dimensional observer-based control of 1-D parabolic PDEs. *Automatica*, **2020**, 122, 109285	5.7	19
276	Averaging of linear systems with almost periodic coefficients: A time-delay approach. *Automatica*, **2020**, 122, 109287	5.7	7
275	Homogeneity of neutral systems and accelerated stabilization of a double integrator by measurement of its position. *Automatica*, **2020**, 118, 109023	5.7	1
274	Robust predictive extended state observer for a class of nonlinear systems with time-varying input delay. *International Journal of Control*, **2020**, 93, 217-225	1.5	6
273	A Switching Controller for a Class of MIMO Bilinear Systems With Time Delay. *IEEE Transactions on Automatic Control*, **2020**, 65, 2250-2256	5.9	4
272	Multi-agent deployment under the leader displacement measurement: a PDE-based approach **2019** ,		1
271	Extended state observer-based control for systems with locally Lipschitz uncertainties: LMI-based stability conditions. *Systems and Control Letters*, **2019**, 134, 104526	2.4	4
270	Sampled-data observers for semilinear damped wave equations under spatially sampled state measurements. *Automatica*, **2019**, 106, 150-160	5.7	10
269	A PDE approach to deployment of mobile agents under leader relative position measurements. *Automatica*, **2019**, 106, 47-53	5.7	7
268	Networked control of stochastic systems with scheduling protocols **2019**,		2
267	Survey on time-delay approach to networked control. *Annual Reviews in Control*, **2019**, 48, 57-79	10.3	62
266	Comprehending Complexity: Data-Rate Constraints in Large-Scale Networks. *IEEE Transactions on Automatic Control*, **2019**, 64, 4252-4259	5.9	4
265	Delayed H□control of 2D diffusion systems under delayed pointlike measurements. *Automatica*, **2019**, 109, 108541	5.7	14
264	Event-based Switching for Sampled-data Output Feedback Control: Applications to Cascade and Feedforward Control **2019**,		1
263	Network-based boundary observer-controller design for 1D heat equation **2019**,		2
262	Decentralized Predictor Feedback of Large-scale Systems under Input Delays* **2019**,		2
261	Sampled-data observer for 2D Navier-Stokes equation **2019**,		1

260	Derivative-dependent control of stochastic systems via delayed feedback implementation **2019**,		3
259	Sampled-data control of 2D Kuramoto-Sivashinsky equation under the averaged measurements **2019**,		2
258	A note on converse Lyapunov-Krasovskii theorems for nonlinear neutral systems in Sobolev spaces. *IFAC-PapersOnLine*, **2019**, 52, 13-18	0.7	2
257	Finite frequency H∞ control of singularly perturbed Euler-Lagrange systems: An artificial delay approach. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 353-374	3.6	15
256	Simple LMIs for stability of stochastic systems with delay term given by Stieltjes integral or with stabilizing delay. *Systems and Control Letters*, **2019**, 124, 83-91	2.4	19
255	Boundary Observers for a Reaction-Diffusion System Under Time-Delayed and Sampled-Data Measurements. *IEEE Transactions on Automatic Control*, **2019**, 64, 3385-3390	5.9	18
254	Distributed stabilization of Kortewegde Vries-Burgers equation in the presence of input delay. *Automatica*, **2019**, 100, 260-273	5.7	23
253	Exact controllability of a class of nonlinear distributed parameter systems using back-and-forth iterations. *International Journal of Control*, **2019**, 92, 145-162	1.5	2
252	Sampled-Data Implementation of Derivative-Dependent Control Using Artificial Delays. *IEEE Transactions on Automatic Control*, **2018**, 63, 3594-3600	5.9	21
251	Control in dormancy or eradication of cancer stem cells: Mathematical modeling and stability issues. *Journal of Theoretical Biology*, **2018**, 449, 103-123	2.3	3
250	Boundary Constrained Control of Delayed Nonlinear Schrödinger Equation. *IEEE Transactions on Automatic Control*, **2018**, 63, 3873-3880	5.9	22
249	Wirtinger-like Lyapunov-Krasovskii functionals for discrete-time delay systems. *IMA Journal of Mathematical Control and Information*, **2018**, 35, 861-876	1.1	13
248	Rejection of mismatched disturbances for systems with input delay via a predictive extended state observer. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 2457-2467	3.6	20
247	Decentralized networked control of discrete-time systems with local networks. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 365-380	3.6	4
246	Disturbance Compensation With Finite Spectrum Assignment for Plants With Input Delay. *IEEE Transactions on Automatic Control*, **2018**, 63, 298-305	5.9	21
245	Distributed sampled-data control of Kuramoto-Sivashinsky equation. *Automatica*, **2018**, 95, 514-524	5.7	42
244	Improved stability conditions for discrete-time systems under dynamic network protocols. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 4479	3.6	11
243	Delayed point control of a reaction-diffusion PDE under discrete-time point measurements. *Automatica*, **2018**, 96, 224-233	5.7	27

242	Stability Analysis of a Nonlinear System with Infinite Distributed Delays Describing Cell Dynamics **2018**,		2
241	Comparison of the Time-Delay Margin of a Distributed and Centralized Observer **2018**,		3
240	Sampled-data H∞ filtering of a 2D heat equation under pointlike measurements **2018**,		2
239	Robust sampled-data implementation of PID controller **2018**,		3
238	Observer design for a class of parabolic systems with arbitrarily delayed measurements **2018**,		3
237	Distributed Secondary Frequency Control Design for Microgrids: Trading Off L2-Gain Performance and Communication Efforts under Time-Varying Delays **2018**,		1
236	Improved sampled-data implementation of derivative-dependent control. *IFAC-PapersOnLine*, **2018**, 51, 212-215	0.7	2
235	Delay-Dependent LMI Conditions for Stability of Stochastic Systems with Delay Term in the Form of Stieltjes Integral **2018**,		1
234	Distributed sampled-data control of Kuramoto-Sivashinsky equation under the point measurements **2018**,		2
233	On hyper-exponential output-feedback stabilization of a double integrator by using artificial delay **2018**,		5
232	An improved time-delay implementation of derivative-dependent feedback. *Automatica*, **2018**, 98, 269-276	5.7	16
231	State and unknown input observers for nonlinear systems with delayed measurements. *Automatica*, **2018**, 95, 246-253	5.7	23
230	A Novel Approach to Exact Slow-Fast Decomposition of Linear Singularly Perturbed Systems with Small Delays. *SIAM Journal on Control and Optimization*, **2017**, 55, 236-274	1.9	11
229	Sampled-data relay control of diffusion PDEs. *Automatica*, **2017**, 82, 59-68	5.7	35
228	Stabilization by using artificial delays: An LMI approach. *Automatica*, **2017**, 81, 429-437	5.7	44
227	On global exponential stability preservation under sampling for globally Lipschitz time-delay systems. *Automatica*, **2017**, 82, 295-300	5.7	30
226	Robustness of distributed averaging control in power systems: Time delays & dynamic communication topology. *Automatica*, **2017**, 80, 261-271	5.7	54
225	Recent developments on the stability of systems with aperiodic sampling: An overview. *Automatica*, **2017**, 76, 309-335	5.7	194

224	Boundary control of delayed ODE–heat cascade under actuator saturation. *Automatica*, **2017**, 83, 252-261	5.7	37
223	Predictor-Based Control of Systems With State Multiplicative Noise. *IEEE Transactions on Automatic Control*, **2017**, 62, 914-920	5.9	17
222	Simple conditions for sampled-data stabilization by using artificial delay. *IFAC-PapersOnLine*, **2017**, 50, 13295-13299	0.7	3
221	Analysis of Blood Cell Production under Growth Factors Switching. *IFAC-PapersOnLine*, **2017**, 50, 13312-13317	0.7	1
220	A small-gain-theorem-like approach to nonlinear observability via finite capacity channels. *IFAC-PapersOnLine*, **2017**, 50, 15397-15402	0.7	1
219	Boundary control of reaction-diffusion equation with state-delay in the presence of saturation * *This work was supported by Israel Science Foundation (grant No 1128/14).. *IFAC-PapersOnLine*, **2017**, 50, 12002-12007	0.7	7
218	Event-triggered sampled-data energy control of a pendulum. *IFAC-PapersOnLine*, **2017**, 50, 15295-15300	0.7	1
217	On design of interval observers for parabolic PDEs. *IFAC-PapersOnLine*, **2017**, 50, 4045-4050	0.7	10
216	Event-triggered adaptive control of minimum-phase systems. *IFAC-PapersOnLine*, **2017**, 50, 4276-4281	0.7	3
215	Delayed boundary control of a heat equation under discrete-time point measurements **2017**,		1
214	A predictive extended state observer for a class of nonlinear systems with input delay subject to external disturbances **2017**,		4
213	Sliding Mode Observer for Robust Fault Reconstruction of Time Delay Systems. *Advances in Delays and Dynamics*, **2016**, 183-203	0.3	4
212	On design of interval observers with sampled measurement. *Systems and Control Letters*, **2016**, 96, 158-164	2.4	13
211	Linear interval observers under delayed measurements and delay-dependent positivity. *Automatica* , **2016**, 72, 123-130	5.7	20
210	Sliding mode control of Schrödinger equation-ODE in the presence of unmatched disturbances. *Systems and Control Letters*, **2016**, 98, 65-73	2.4	20
209	Discrete-Time Networked Control Under Scheduling Protocols. *Advances in Delays and Dynamics*, **2016**, 151-165	0.3	1
208	Predictor-based networked control under uncertain transmission delays. *Automatica*, **2016**, 70, 101-108	5.7	37
207	Distributed event-triggered control of diffusion semilinear PDEs. *Automatica*, **2016**, 68, 344-351	5.7	100

206	On Homogeneous Distributed Parameter Systems. *IEEE Transactions on Automatic Control*, **2016**, 61, 3657-3662	5.9	32
205	Decentralized networked control of systems with local networks: A time-delay approach. *Automatica*, **2016**, 69, 201-209	5.7	42
204	Generalized Jensen inequalities with application to stability analysis of systems with distributed delays over infinite time-horizons. *Automatica*, **2016**, 69, 222-231	5.7	27
203	Regional Stabilization of Systems with Input Delay and Actuator Saturation Revisited. *Advances in Delays and Dynamics*, **2016**, 251-265	0.3	0
202	Quantized Control Under Round-Robin Communication Protocol. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 4461-4471	8.9	53
201	Event-Triggered H_{infty} Control: A Switching Approach. *IEEE Transactions on Automatic Control*, **2016**, 61, 3221-3226	5.9	191
200	Predictor-based sampled-data exponential stabilization through continuous□discrete observers. *Automatica*, **2016**, 63, 74-81	5.7	12
199	Stability of the cell dynamics in acute myeloid leukemia. *Systems and Control Letters*, **2016**, 88, 91-100	2.4	10
198	New stability and exact observability conditions for semilinear wave equations. *Automatica*, **2016**, 63, 1-10	5.7	15
197	Simple LMIs for stabilization by using delays **2016**,		2
196	Predictor-based networked control in the presence of uncertain time-varying delays **2016**,		2
195	Unknown input estimation via observers for nonlinear systems with measurement delays **2016**,		4
194	Sampled-data relay control of semilinear diffusion PDEs **2016**,		1
193	Networked control under communication constraints: The discrete-time case **2016**,		2
192	Using exponential time-varying gains for sampled-data stabilization and estimation. *Automatica*, **2016**, 67, 244-251	5.7	60
191	On Global Exponential Stability Preservation under Sampling for Globally Lipschitz Delay-Free and Retarded Systems. *IFAC-PapersOnLine*, **2016**, 49, 41-46	0.7	4
190	Observer-based input-to-state stabilization of networked control systems with large uncertain delays. *Automatica*, **2016**, 74, 63-70	5.7	66
189	Delay-induced stability of vector second-order systems via simple Lyapunov functionals. *Automatica*, **2016**, 74, 288-296	5.7	48

188	Stability of a class of delayed port-Hamiltonian systems with application to microgrids with distributed rotational and electronic generation. *Automatica*, **2016**, 74, 71-79	5.7	33
187	A positivity-based approach to delay-dependent stability of systems with large time-varying delays. *Systems and Control Letters*, **2016**, 97, 139-148	2.4	18
186	Dynamic quantization of uncertain linear networked control systems. *Automatica*, **2015**, 59, 248-255	5.7	79
185	Networked Control Systems in the Presence of Scheduling Protocols and Communication Delays. *SIAM Journal on Control and Optimization*, **2015**, 53, 1768-1788	1.9	34
184	Estimation of solutions of observable nonlinear systems with disturbances. *Systems and Control Letters*, **2015**, 79, 47-58	2.4	17
183	Networked Control With Stochastic Scheduling. *IEEE Transactions on Automatic Control*, **2015**, 60, 3071-3076	5.9	79
182	A new approach to enlarging sampling intervals for sampled-data systems. *IFAC-PapersOnLine*, **2015**, 48, 440-445	0.7	3
181	Stability and passivity analysis of semilinear diffusion PDEs with time-delays. *International Journal of Control*, **2015**, 88, 180-192	1.5	37
180	Passification-based decentralized adaptive synchronization of dynamical networks with time-varying delays. *Journal of the Franklin Institute*, **2015**, 352, 52-72	4	36
179	Variable Structure Control With Generalized Relays: A Simple Convex Optimization Approach. *IEEE Transactions on Automatic Control*, **2015**, 60, 497-502	5.9	16
178	Discrete-time network-based control under scheduling and actuator constraints. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 1816-1830	3.6	30
177	A switching approach to event-triggered control **2015**,		11
176	Stability of a class of delayed port-Hamiltonian systems with application to droop-controlled microgrids **2015**,		6
175	Exact observability of semilinear multidimensional wave equations: An LMI approach **2015**,		2
174	Delay-dependent positivity: Application to interval observers **2015**,		7
173	Distributed event-triggered control of transport-reaction systems. *IFAC-PapersOnLine*, **2015**, 48, 593-597	0.7	7
172	Sampled-Data Control of Switched Affine Systems. *Lecture Notes in Control and Information Sciences*, **2015**, 241-259	0.5	
171	Passification-based adaptive control: Uncertain input and output delays. *Automatica*, **2015**, 54, 107-113	5.7	14

170	Stability of Discrete-Time Systems With Time-Varying Delays via a Novel Summation Inequality. *IEEE Transactions on Automatic Control*, **2015**, 60, 2740-2745	5.9	217
169	Introduction to time-delay and sampled-data systems **2014**,		15
168	Tutorial on Lyapunov-based methods for time-delay systems. *European Journal of Control*, **2014**, 20, 271-283	2.3	169
167	Introduction to Time-Delay Systems. *Systems and Control: Foundations and Applications*, **2014**,	0.3	428
166	Networked Control Systems: A time-delay approach **2014**,		9
165	Comments on finite-time stability of time-delay systems. *Automatica*, **2014**, 50, 1944-1947	5.7	59
164	A Round-Robin type protocol for distributed estimation with consensus. *Systems and Control Letters*, **2014**, 69, 103-110	2.4	83
163	Matrix inequality-based observer design for a class of distributed transport-reaction systems. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 2213-2230	3.6	19
162	Networked Control with a Stochastic Scheduling: a Time-Delay Approach. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 6484-6489		2
161	Discrete-time network-based control under Try-Once-Discard protocol and actuator constraints **2014**,		5
160	Predictor-based sampled-data stabilization via continuous-discrete observers **2014**,		2
159	New stability conditions for semilinear diffusion systems with time-delays **2014**,		1
158	Networked control under round-robin protocol: Multiple sensors and non-small communication delays **2014**,		2
157	Stability analysis of PDEs modelling cell dynamics in Acute Myeloid Leukemia **2014**,		4
156	Network-based . *Automatica*, **2014**, 50, 3139-3146	5.7	63
155	Lyapunov-Based Stability Analysis. *Systems and Control: Foundations and Applications*, **2014**, 51-133	0.3	2
154	Performance Analysis of TDSs. *Systems and Control: Foundations and Applications*, **2014**, 135-198	0.3	
153	Sampled-Data and NCSs: A Time-Delay Approach. *Systems and Control: Foundations and Applications* , **2014**, 273-349	0.3	1

152	Sampled-data sliding mode observer for robust fault reconstruction: A time-delay approach. *Journal of the Franklin Institute*, **2014**, 351, 2125-2142	4	36
151	Delay-dependent methods and the first delay interval. *Systems and Control Letters*, **2014**, 64, 57-63	2.4	68
150	Discrete-Time Delay Systems. *Systems and Control: Foundations and Applications*, **2014**, 243-272	0.3	3
149	Control Design for TDSs. *Systems and Control: Foundations and Applications*, **2014**, 199-242	0.3	
148	Sampled-Data Stabilization under Round-Robin Scheduling. *Advances in Delays and Dynamics*, **2014**, 171-184	0.3	
147	Observers and initial state recovering for a class of hyperbolic systems via Lyapunov method. *Automatica*, **2013**, 49, 2250-2260	5.7	27
146	Sampled-Data Distributed H_{infty} Control of Transport Reaction Systems. *SIAM Journal on Control and Optimization*, **2013**, 51, 1500-1527	1.9	96
145	Robust Sampled□Data Control of Switched Affine Systems. *IEEE Transactions on Automatic Control*, **2013**, 58, 2922-2928	5.9	79
144	New stability conditions for systems with distributed delays. *Automatica*, **2013**, 49, 3467-3475	5.7	65
143	Systems with gamma-distributed delays: A Lyapunov-based analysis **2013**,		3
142	Adaptive control of systems with fast varying unknown delay in measurements **2013**,		2
141	Stability of piecewise affine systems with state-dependent delay, and application to congestion control **2013**,		5
140	Stability of systems with fast-varying delay using improved Wirtinger's inequality **2013**,		51
139	A Round-Robin protocol for distributed estimation with H□consensus **2013**,		1
138	Observers and initial state recovering for a wave equation: an LMI approach * *This work was partially supported by Israel Science Foundation (grant No 754/10) and by Kamea Fund of Israel.. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 337-342		0
137	Delay-dependent methods: when does the first delay interval need a special analysis?* *This work was supported by Israel Science Foundation (grant No 754/10).. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 325-330		
136	Sampled-data control of LTI systems with relays: a convex optimization approach. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 711-716		1
135	Wirtinger□s inequality and Lyapunov-based sampled-data stabilization. *Automatica*, **2012**, 48, 102-108	5.7	372

134	Robust sampled-data control of a class of semilinear parabolic systems. *Automatica*, **2012**, 48, 826-836	5.7	195
133	Stability and L2-gain analysis of Networked Control Systems under Round-Robin scheduling: A time-delay approach. *Systems and Control Letters*, **2012**, 61, 666-675	2.4	114
132	. *IEEE Transactions on Control Systems Technology*, **2012**, 20, 887-900	4.8	50
131	Sampled-data distributed H control of a class of parabolic systems **2012**,		1
130	Sliding mode control in the presence of input delay: A singular perturbation approach. *Automatica*, **2012**, 48, 1904-1912	5.7	78
129	Network-based control via a novel analysis of hybrid systems with time-varying delays **2012**,		23
128	Networked-based stabilization via discontinuous Lyapunov functionals. *International Journal of Robust and Nonlinear Control*, **2012**, 22, 420-436	3.6	98
127	Stability of singularly perturbed functional-differential systems: spectrum analysis and LMI approaches. *IMA Journal of Mathematical Control and Information*, **2012**, 29, 79-111	1.1	11
126	Network-Based Control under Round-Robin Scheduling and Quantization. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 91-96		1
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2	Stability and L2-Gain Analysis of Systems with Time-Varying Delays: Input-Output Approach		3
1	A Lyapunov-based approach to stability of descriptor systems with delay		18