

# Fernando Tadeo

## List of Publications by Year in descending order

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217  
papers

3,322  
citations

159358

30  
h-index

214527

47  
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220  
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220  
docs citations

220  
times ranked

1901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controller Synthesis for Positive Linear Systems With Bounded Controls. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 151-155.	2.3	372
2	Positive observers for linear positive systems, and their implications. International Journal of Control, 2011, 84, 716-725.	1.2	92
3	Positive observation problem for linear discrete positive systems. , 2006, , .		86
4	Regulator problem for linear systems with constraints on control and its increment or rate. Automatica, 2004, 40, 1387-1395.	3.0	81
5	Backstepping sliding mode control for maximum power point tracking of a photovoltaic system. Electric Power Systems Research, 2017, 143, 182-188.	2.1	76
6	Control of constrained positive discrete systems. Proceedings of the American Control Conference, 2007, , .	0.0	71
7	LMI-Based Approach for Output-Feedback Stabilization for Discrete-Time Takagi-Sugeno Systems. IEEE Transactions on Fuzzy Systems, 2008, 16, 1188-1196.	6.5	71
8	Stabilisation of discrete 2D time switching systems by state feedback control. International Journal of Systems Science, 2011, 42, 479-487.	3.7	68
9	Robust $H_{\infty}$ filtering for uncertain two-dimensional continuous systems with time-varying delays. Multidimensional Systems and Signal Processing, 2013, 24, 685-706.	1.7	60
10	Positive observation problem for linear time-delay positive systems. , 2007, , .		59
11	Model-free learning control of neutralization processes using reinforcement learning. Engineering Applications of Artificial Intelligence, 2007, 20, 767-782.	4.3	56
12	Stabilization of 2D saturated systems by state feedback control. Multidimensional Systems and Signal Processing, 2010, 21, 277-292.	1.7	55
13	Stabilization of Continuous-Time Fractional Positive Systems by Using a Lyapunov Function. IEEE Transactions on Automatic Control, 2014, 59, 2203-2208.	3.6	55
14	Sensitivity analysis for photovoltaic water pumping systems: Energetic and economic studies. Energy Conversion and Management, 2017, 135, 402-415.	4.4	54
15	Robust Exact Pole Placement via an LMI-Based Algorithm. IEEE Transactions on Automatic Control, 2009, 54, 394-398.	3.6	49
16	Study of the Reverse Salt Diffusion in pressure retarded osmosis: Influence on concentration polarization and effect of the operating conditions. Desalination, 2016, 389, 171-186.	4.0	49
17	Model-free control based on reinforcement learning for a wastewater treatment problem. Applied Soft Computing Journal, 2011, 11, 73-82.	4.1	46
18	The Regulator Problem for Linear Systems With Saturations on the Control and its Increments or Rate: An LMI Approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 2681-2691.	0.1	45

#	ARTICLE	IF	CITATIONS
19	Fuzzy control of a neutralization process. Engineering Applications of Artificial Intelligence, 2006, 19, 905-914.	4.3	43
20	A proposal for off-grid photovoltaic systems with non-controllable loads using fuzzy logic. Energy Conversion and Management, 2014, 78, 835-842.	4.4	41
21	Static State-Feedback Controller and Observer Design for Interval Positive Systems With Time Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 506-510.	2.2	41
22	Predictive control for hydrogen production by electrolysis in an offshore platform using renewable energies. International Journal of Hydrogen Energy, 2017, 42, 12865-12876.	3.8	41
23	Green energy generation by pressure retarded osmosis: State of the art and technical advancementâ€”review. International Journal of Green Energy, 2017, 14, 337-360.	2.1	39
24	Delay-dependent stabilisation of systems with time-delayed state and control: application to a quadruple-tank process. International Journal of Systems Science, 2011, 42, 41-49.	3.7	38
25	Effect of the feed and draw solution temperatures on PRO performance: Theoretical and experimental study. Desalination, 2015, 365, 182-195.	4.0	38
26	Offshore hydrogen production from wave energy. International Journal of Hydrogen Energy, 2014, 39, 1549-1557.	3.8	36
27	On improving the convergence rate of linear continuous-time systems subject to asymmetrically constrained control. Mathematical Problems in Engineering, 2006, 2006, 1-14.	0.6	34
28	Energy and water management for drip-irrigation of tomatoes in a semi- arid district. Agricultural Water Management, 2017, 183, 4-15.	2.4	34
29	Energy management for a stand-alone photovoltaic-wind system suitable for rural electrification. Sustainable Cities and Society, 2016, 25, 90-101.	5.1	33
30	LMI Conditions for Robust Stability of 2D Linear Discrete-Time Systems. Mathematical Problems in Engineering, 2008, 2008, 1-11.	0.6	32
31	Stabilization of switching Takagiâ€”Sugeno systems by switched Lyapunov function. International Journal of Adaptive Control and Signal Processing, 2011, 25, 1039-1049.	2.3	32
32	State-feedback with memory for controlled positivity with application to congestion control. IET Control Theory and Applications, 2010, 4, 2041-2048.	1.2	31
33	Takagiâ€”Sugeno control of nocturnal temperature in greenhouses using air heating. ISA Transactions, 2011, 50, 315-320.	3.1	30
34	Memoryless Control to Drive States of Delayed Continuous-time Systems within the Nonnegative Orthant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3934-3939.	0.4	29
35	A partitioning approach for $H^\infty$ control of singular time-delay systems. Optimal Control Applications and Methods, 2013, 34, 472-486.	1.3	28
36	Evaluation of Maximum Power Point Tracking algorithm for off-grid photovoltaic pumping. Sustainable Cities and Society, 2016, 25, 65-73.	5.1	28

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37	Fuzzy Decoupling Control of Greenhouse Climate. Arabian Journal for Science and Engineering, 2015, 40, 2805-2812.	1.1	27
38	Two-Dimensional Systems. Studies in Systems, Decision and Control, 2016, , .	0.8	26
39	Optimal allocation of distributed generation and capacitor banks using probabilistic generation models with correlations. Applied Energy, 2022, 307, 118097.	5.1	26
40	State Feedback Tracking Control for Indirect Field- oriented Induction Motor Using Fuzzy Approach. International Journal of Automation and Computing, 2013, 10, 99-110.	4.5	25
41	Robust stabilization of constrained uncertain continuous-time fractional positive systems. Journal of the Franklin Institute, 2015, 352, 259-270.	1.9	24
42	Potential and analysis of an osmotic power plant in the Magdalena River using experimental field-data. Energy, 2019, 180, 548-555.	4.5	24
43	Control of neutralization processes by robust loop shaping. IEEE Transactions on Control Systems Technology, 2000, 8, 236-246.	3.2	23
44	Osmotic energy recovery from Reverse Osmosis using two-stage Pressure Retarded Osmosis. Energy, 2017, 132, 213-224.	4.5	23
45	Stabilization Under Constrained States and Controls of Positive Systems with Time Delays. European Journal of Control, 2012, 18, 182-190.	1.6	22
46	Positive stabilization of discrete-time systems with unknown delay and bounded controls. , 2007, , .		21
47	Stability and stabilization of positive Takagi-Sugeno fuzzy continuous systems with delay. , 2011, , .		21
48	Output feedback stabilization of positive switching linear discrete-time systems. , 2008, , .		20
49	Static output feedback for Takagi-Sugeno systems with delays. International Journal of Adaptive Control and Signal Processing, 2011, 25, 295-312.	2.3	20
50	Effect of the operating temperature on hydrodynamics and membrane parameters in pressure retarded osmosis. Desalination and Water Treatment, 2016, 57, 10477-10489.	1.0	20
51	Stabilisation of controlled positive delayed continuous-time systems. International Journal of Systems Science, 2010, 41, 1473-1479.	3.7	19
52	Delay-dependent robust observer-based control for discrete-time uncertain singular systems with interval time-varying state delay. International Journal of Control, Automation and Systems, 2014, 12, 12-22.	1.6	19
53	Reduced-Order $H_\infty$ Filters for Uncertain 2-D Continuous Systems, Via LMIs and Polynomial Matrices. Circuits, Systems, and Signal Processing, 2014, 33, 1189-1214.	1.2	19
54	Energetic and economic sensitivity analysis for photovoltaic water pumping systems. Solar Energy, 2017, 144, 376-391.	2.9	19

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55	Control Based on Saturated Time-Delay Systems Theory of Mach Number in Wind Tunnels. Circuits, Systems, and Signal Processing, 2018, 37, 1505-1522.	1.2	19
56	Delay-Dependent Stability and $H_{\infty}$ Performance of 2-D Continuous Systems with Delays. Circuits, Systems, and Signal Processing, 2018, 37, 5333-5350.	1.2	19
57	Learning control for batch thermal sterilization of canned foods. ISA Transactions, 2011, 50, 82-90.	3.1	18
58	Energy recovery from two-stage SWRO plant using PRO without external freshwater feed stream: Theoretical analysis. Renewable Energy, 2017, 105, 84-95.	4.3	18
59	Temperature and humidity control in greenhouses using the Takagi-Sugeno fuzzy model. , 2006, , .		17
60	Stabilization of uncertain saturated discrete-time switching systems. International Journal of Control, Automation and Systems, 2009, 7, 835-840.	1.6	17
61	An algorithm for sizing photovoltaic pumping systems for tomatoes irrigation. , 2013, , .		17
62	Evaluation of the recovery of osmotic energy in desalination plants by using pressure retarded osmosis. Desalination and Water Treatment, 2013, 51, 360-365.	1.0	17
63	Robust $H_{\infty}$ Filtering for Uncertain 2D Singular Roesser Models. Circuits, Systems, and Signal Processing, 2015, 34, 2213-2235.	1.2	17
64	Robust $H_{\infty}$ Filtering for 2-D Discrete Roesser Systems. Journal of Control, Automation and Electrical Systems, 2016, 27, 497-505.	1.2	17
65	Analysis and Design of $H_{\infty}$ Controllers for 2D Singular Systems with Delays. Circuits, Systems, and Signal Processing, 2016, 35, 1579-1592.	1.2	17
66	Operation of desalination plants using renewable energies and hybrid control. Desalination and Water Treatment, 2011, 25, 119-126.	1.0	15
67	Delay-dependent stability and stabilisation of continuous 2D delayed systems with saturating control. International Journal of Systems Science, 2016, 47, 3004-3015.	3.7	15
68	CONTROLLER SYNTHESIS FOR LINEAR SYSTEMS TO IMPOSE POSITIVENESS IN CLOSED-LOOP STATES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 255-259.	0.4	14
69	Static output-feedback stabilization for time-delay Takagi-Sugeno fuzzy systems. , 2007, , .		14
70	Robust Filtering of 2D Roesser Discrete Systems: A Polynomial Approach. Mathematical Problems in Engineering, 2012, 2012, 1-15.	0.6	14
71	$l_1$ -Optimal regulation of a pH control plant. Computers and Chemical Engineering, 1998, 22, S459-S466.	2.0	13
72	Continuous-time fractional bounded positive systems. , 2013, , .		13

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73	Predictive control of a renewable energy microgrid with operational cost optimization. , 2013, , .		13
74	Impact of Temperature on Power Recovery in Osmotic Power Production by Pressure Retarded Osmosis. Energy Procedia, 2014, 50, 960-969.	1.8	13
75	Reduced-Order $H_{\infty}$ Filtering with Intermittent Measurements for a Class of 2D Systems. Journal of Control, Automation and Electrical Systems, 2016, 27, 597-607.	1.2	13
76	Robust stabilization using a sampled-data strategy of uncertain neutral state-delayed systems subject to input limitations. International Journal of Applied Mathematics and Computer Science, 2018, 28, 111-122.	1.5	13
77	Design and Evaluation of a Renewable Water Pumping System. IFAC-PapersOnLine, 2015, 48, 462-467.	0.5	12
78	Delay-Dependent Robust $H_{\infty}$ Filtering with Lossy Measurements for Discrete-Time Systems. Arabian Journal for Science and Engineering, 2017, 42, 5263-5273.	1.7	12
79	Modeling and experimental validation of a PEM fuel cell in steady and transient regimes using PSCAD/EMTDC software. International Journal of Hydrogen Energy, 2020, 45, 30870-30881.	3.8	12
80	FPGA Implementation of a Robust MPPT of a Photovoltaic System Using a Fuzzy Logic Controller Based on Incremental and Conductance Algorithm. Engineering, Technology & Applied Science Research, 2019, 9, 4322-4328.	0.8	12
81	POSITIVE OBSERVATION PROBLEM FOR LINEAR TIME-LAG POSITIVE SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 536-541.	0.4	11
82	Stabilization of 2D continuous systems with multi-delays and saturated control. , 2010, , .		11
83	Energy Management for Photovoltaic Irrigation with a Battery Bank. International Journal of Energy Optimization and Engineering, 2015, 4, 18-32.	0.4	11
84	Robust stabilization using LMI techniques of neutral time-delay systems subject to input saturation. Journal of Physics: Conference Series, 2017, 783, 012031.	0.3	11
85	Stability and Stabilization of 2D Singular Systems: A Strict LMI Approach. Circuits, Systems, and Signal Processing, 2019, 38, 3041-3057.	1.2	11
86	New dynamic library of reverse osmosis plants with fault simulation. Desalination and Water Treatment, 2011, 25, 127-132.	1.0	10
87	Robust Admissibilization of Descriptor Systems by Static Output-Feedback: An LMI Approach. Mathematical Problems in Engineering, 2011, 2011, 1-10.	0.6	10
88	Robust $H_{\infty}$ controller design for uncertain 2D continuous systems with interval time-varying delays. International Journal of Systems Science, 2020, 51, 440-460.	3.7	10
89	An Input-Output Approach to Anti-windup Design for Sampled-Data Systems with Time-Varying Delay. Circuits, Systems, and Signal Processing, 2020, 39, 4868-4889.	1.2	10
90	Greenhouse Modeling, Validation and Climate Control based on Fuzzy Logic. Engineering, Technology & Applied Science Research, 2019, 9, 4405-4410.	0.8	10

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91	Advanced control of a hydrogen reformer. Computing & Control Engineering Journal, 2002, 13, 305-314.	0.0	9
92	Predictive control of robotic manipulators. , 0, , .		9
93	On Improving the Convergence Rate of Linear Continuous-Time Systems Under Constrained Control With State Observers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2785-2794.	3.5	9
94	Stabilization of saturated discrete-time fuzzy systems. International Journal of Control, Automation and Systems, 2011, 9, 581-587.	1.6	9
95	Positive observer design for continuous-time Takagi-Sugeno systems. , 2013, , .		9
96	Robust controller design for congestion control in TCP/IP Routers. , 2016, , .		9
97	Algorithm for Optimum Sizing of a Photovoltaic Water Pumping System. International Journal of Computer Applications, 2015, 111, 21-28.	0.2	9
98	â,,“1-control using linear programming for systems with asymmetric bounds. International Journal of Control, 2005, 78, 1459-1465.	1.2	8
99	Stabilization of Neutral Systems with Saturating Actuators. Journal of Control Science and Engineering, 2012, 2012, 1-8.	0.8	8
100	Energy recovery using salinity differences in a multi-effect distillation system. Desalination and Water Treatment, 0, , 1-8.	1.0	8
101	Model predictive control of hydrogen production by renewable energy. , 2015, , .		8
102	Offshore Desalination Using Wave Energy. Advances in Mechanical Engineering, 2013, 5, 539857.	0.8	8
103	Temperature and humidity control in greenhouses using the Takagi-Sugeno fuzzy model. , 2006, , .		7
104	Predictive Control of Microgrids with Mixed Sources for Desalination in Remote Areas. IFAC-PapersOnLine, 2016, 49, 244-249.	0.5	7
105	Robust Hâž filtering for 2D systems with perturbation stochastic. , 2016, , .		7
106	Design of robust control for uncertain fuzzy quadruple-tank systems with time-varying delays. Granular Computing, 2022, 7, 951-964.	4.4	7
107	Softmax and Îµ-greedy policies applied to process control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 729-734.	0.4	6
108	LMI-based approach for output-feedback stabilization for discrete time Takagi-Sugeno systems. , 2006, , .		6

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109	Robust interval observer with uncertainties in the output. , 2010, , .		6
110	A fuzzy based energy management for a photovoltaic pumping plant for tomatoes irrigation. , 2014, , .		6
111	Observer-based controller for positive polynomial systems with time delay. Optimal Control Applications and Methods, 2020, 41, 278-291.	1.3	6
112	Fuzzy Energy Management for Photovoltaic Water Pumping System. International Journal of Computer Applications, 2015, 110, 29-36.	0.2	6
113	Regulator constrained control and rate problem for linear systems with additive disturbances. , 2004, , .		5
114	Learning to Control pH Processes at Multiple Time Scales: Performance Assessment in a Laboratory Plant. Chemical Product and Process Modeling, 2007, 2, .	0.5	5
115	Positive observers for continuous time interval positive systems with time-delay. , 2013, , .		5
116	Scheduling of the membrane module rotation in RO desalination plants. Desalination and Water Treatment, 2013, 51, 352-359.	1.0	5
117	Robust $\alpha$ -Stabilization of Uncertain Positive Takagi-Sugeno Systems with Time-Delay via Memory State-Feedback. Circuits, Systems, and Signal Processing, 2016, 35, 619-633.	1.2	5
118	Modelling and control of greenhouses powered by a renewable energy system. , 2017, , .		5
119	Power unit SOFC-MTG model in Electromagnetic Transient Software PSCAD. International Journal of Hydrogen Energy, 2018, 43, 5386-5397.	3.8	5
120	Delay-dependent dynamic observers for non-linear systems with multiple time-varying delays. Transactions of the Institute of Measurement and Control, 2022, 44, 2998-3015.	1.1	5
121	Constrained predictive control of multivariable robotic systems. , 0, , .		4
122	Model-Free Learning Control of Chemical Processes. , 0, , .		4
123	Integrated design using dynamic simulation of reverse osmosis plants. , 2009, , .		4
124	Control of a pH neutralization plant using the VRFT framework. , 2010, , .		4
125	Stabilization of Uncertain State Constrained Discrete-time Switched Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5736-5740.	0.4	4
126	Control for a Variable Speed Wind Turbine Equipped with a Permanent Magnet Synchronous Generator (PMSG). Smart Innovation, Systems and Technologies, 2012, , 151-168.	0.5	4



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127	Design of robust observers for positive delayed interval systems. , 2014, , .		4
128	MPPT techniques for a photovoltaic pumping system. , 2015, , .		4
129	Control of Discrete 2-D Takagi-Sugeno Systems via a Sum-of-Squares Approach. Journal of Control, Automation and Electrical Systems, 2019, 30, 137-147.	1.2	4
130	Control with Positivity Constraint for 2D Continuous-Time Systems in Roesser Model. Journal of Control, Automation and Electrical Systems, 2021, 32, 70-81.	1.2	4
131	A simple demonstration of numerical dispersion under FDTD [for EM field calculations]. IEEE Transactions on Education, 1997, 40, 98-102.	2.0	3
132	Constrained regulator problem for linear uncertain systems: Control of a pH process. Mathematical Problems in Engineering, 2006, 2006, 1-15.	0.6	3
133	Constrained control and rate or increment for linear systems with additive disturbances. Mathematical Problems in Engineering, 2006, 2006, 1-16.	0.6	3
134	LEARNING FIELDBUS TECHNOLOGY USING OPEN AND FLEXIBLE EDUCATIONAL EQUIPMENT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 377-382.	0.4	3
135	Intelligent Control Based on Reinforcement Learning for Batch Thermal Sterilization of Canned Foods. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3568-3573.	0.4	3
136	Linear Programming Approach for 2-D Stabilization and Positivity. Lecture Notes in Control and Information Sciences, 2009, , 217-232.	0.6	3
137	Q-learning technique for pH control. , 2009, , .		3
138	Implementation of predictive controllers as outer-loop controllers. IET Control Theory and Applications, 2009, 3, 261-269.	1.2	3
139	Properties of power control algorithms in wireless networks with delays: a positive systems approach. , 2010, , .		3
140	Minimization of the Operation Costs of a Solar/Gas Airconditioning System Using Duration-based Predictive Control. Energy Procedia, 2013, 42, 784-793.	1.8	3
141	A Microgrid Library in a General Simulation Language. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3599-3604.	0.4	3
142	Operational cost optimization for renewable energy microgrids in Mediterranean climate. , 2016, , .		3
143	Pressure Retarded Osmosis as Renewable Energy Source. , 2017, , 1-54.		3
144	A constrained closed loop MPC based on positive invariance concept for a wastewater treatment plant. International Journal of Systems Science, 2018, 49, 2101-2115.	3.7	3

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145	Powering an island resort by renewable energy – A feasibility analysis in the Maldives. , 2019, , .		3
146	Robust control of a pH control plant. , 0, , .		2
147	Design of robust controllers for a milk of lime blending tank. , 1996, , .		2
148	Observer-controller configuration approach to controller robustification. , 0, , .		2
149	Detection of phases in sugar crystallization using wavelets. , 0, , .		2
150	Classification of microorganisms using image processing techniques. , 0, , .		2
151	Robust constrained regulator problem for linear uncertain continuous-time systems: application to a pH-process. , 0, , .		2
152	MODEL-FREE INTELLIGENT CONTROL USING REINFORCEMENT LEARNING AND TEMPORAL ABSTRACTION-APPLIED TO pH CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 127-132.	0.4	2
153	Macro-Actions in Model-Free Intelligent Control with Application to pH Control. , 0, , .		2
154	Initial validation of a reverse osmosis simulator. , 2010, , .		2
155	Modelling of the pretreatment section for dynamic simulation of water production using reverse osmosis. International Journal of Management Science and Engineering Management, 2010, 5, 24-29.	2.6	2
156	Positive infusion of propofol drug during induction. , 2010, , .		2
157	A new design of robust $H_{\infty}$ filters for uncertain continuous-time stochastic systems. , 2013, , .		2
158	Positive observer based tracking controller design for Takagi-Sugeno systems. , 2013, , .		2
159	Speed control of a separately-excited DC motor powered by photovoltaic energy. , 2015, , .		2
160	Lyapunov theory for continuous 2D systems with variable delays: Application to asymptotic and exponential stability. , 2015, , .		2
161	Water and Salt Fluxes in Pressure Retarded Osmosis. , 2017, , 55-95.		2
162	Static Output Feedback Control with $H_{\infty}$ performance for 2-D Discrete Systems in Roesser Model. , 2018, , .		2

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163	Optimal Load Scheduling of a Smart Home Supplied by a Photovoltaic Grid-Connected Plant. IFAC-PapersOnLine, 2018, 51, 292-296.	0.5	2
164	Polynomial Observer for Interval Positive Polynomial Systems. , 2019, , .		2
165	Static Output Feedback Control of Polynomial Takagi-Sugeno Systems using a Sum Of Squares Approach. , 2019, , .		2
166	Robust state feedback for uncertain 2-D discrete switched systems in the Roesser model. Journal of Control and Decision, 2020, , 1-19.	0.7	2
167	Analysis of the Intake Locations of Salinity Gradient Plants Using Hydrodynamic and Membrane Models. Water (Switzerland), 2021, 13, 1133.	1.2	2
168	Independent joint control using two-degrees-of-freedom control structures. , 0, , .		1
169	Controller design using linear programming for systems with constraints. Part 1: Tutorial introduction. Computing & Control Engineering Journal, 2001, 12, 273-276.	0.0	1
170	Controller design using linear programming for systems with constraints. Part 3: Design examples. Computing & Control Engineering Journal, 2002, 13, 89-93.	0.0	1
171	Model-Free Learning Control for processes with constrained incremental control. , 2006, , .		1
172	Control of systems with asymmetric bounds using linear programming: Application to a hydrogen reformer. Mathematical Problems in Engineering, 2006, 2006, 1-13.	0.6	1
173	PREDICTIVE CONTROL OF ROBOTIC MANIPULATORS WITH CONSTRAINTS USING ON-LINE LINEARIZED MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 13-18.	0.4	1
174	Coordinated control of wastewater oxidation processes under constrained incremental control. , 2007, , .		1
175	Modelling for dynamic simulation of pretreatment in Reverse Osmosis plants. , 2008, , .		1
176	Robust $H_{\infty}$ filtering for uncertain 2-D continuous systems, based on a polynomially parameter-dependent Lyapunov function. , 2011, , .		1
177	Control-oriented modelling of the solar climatization of a public building in Mediterranean climate. , 2013, , .		1
178	Robust $H_{\infty}$ & $H_2$ filters for uncertain discrete-time stochastic systems. , 2014, , .		1
179	Stabilization of positive Takagi-Sugeno systems with unmeasurable premise variables. , 2015, , .		1
180	Energy management for a photovoltaic-wind system with non-controlable load. , 2015, , .		1

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181	Modelling and simulation of a BLDC motor speed control system for electric vehicles. International Journal of Electric and Hybrid Vehicles, 2016, 8, 178.	0.2	1
182	Introduction to Two-Dimensional Systems. Studies in Systems, Decision and Control, 2016, , 1-29.	0.8	1
183	On the Energy Management for a Stand-Alone Hybrid System in Isolated Area. , 2019, , .		1
184	Smart Control Strategy for Small-Scale Photovoltaic Systems Connected to Single-Phase Grids. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 380-404.	0.4	1
185	Thermochemical and electrical model of a solid oxide fuel cell. , 2020, , .		1
186	Use of the structured singular value to analyse the worst-case performance of active filters. , 0, , .		0
187	H <sub>2</sub> guaranteed cost control of discrete linear systems. Mathematical Problems in Engineering, 2000, 6, 425-437.	0.6	0
188	Tuning of predictive controller using performance assessment measures: application to pH control. , 0, , .		0
189	Controller design using linear programming for systems with constraints. Part 2: Controller design. Computing & Control Engineering Journal, 2002, 13, 49-52.	0.0	0
190	H <sub>∞</sub> LOOPSHAPING USING GRAPHICAL LOOPSHAPING IDEAS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 301-306.	0.4	0
191	TWO-DEGREES-OF-FREEDOM COMPENSATORS FOR SYSTEMS WITH COMMANDS BOUNDED IN SLOPE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 530-535.	0.4	0
192	Enhanced approach for static output stabilization for discrete time T-S systems. , 2007, , .		0
193	H <sub>∞</sub> control of Takagi-Sugeno systems with multiple time-delays. , 2009, , .		0
194	Stabilization and positiveness of 2-D systems by local state-feedback: An LMI approach. , 2010, , .		0
195	Controlled Positivity under constrained controls of general 2-D systems. , 2011, , .		0
196	Discussion on: "Feedback Stabilization of Infinite-Dimensional Linear Systems with Constraints on Control and its Rate". European Journal of Control, 2011, 17, 191-193.	1.6	0
197	LMI approach for exponential stabilization of continuous-time delayed Takagi-Sugeno systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3873-3878.	0.4	0
198	Modeling of MicroSource for Microgrid during Island Operation. , 2012, , .		0

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199	Parameter-dependent robust stability of time-delay systems. , 2013, , .		0
200	H&lt;inf&gt;&#x221E;&lt;/inf&gt; control of 2D discrete singular systems. , 2014, , .		0
201	Heuristic control of multi-stage desalination plants under variable available power. , 2014, , .		0
202	Fuzzy sensor fault-tolerant control ofÂanÂinduction motor. Journal of Intelligent and Fuzzy Systems, 2015, 29, 713-723.	0.8	0
203	Mixed-Integer-Quadratic-Programming based Predictive Control for hydrogen production using renewable energy. , 2016, , .		0
204	Robust Stabilization of Two-Dimensional Uncertain Systems. Studies in Systems, Decision and Control, 2016, , 111-144.	0.8	0
205	Robust $H_{\infty}$ Filtering for Two-Dimensional Delayed Systems. Studies in Systems, Decision and Control, 2016, , 223-270.	0.8	0
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