

# Jose L Guzmán

## List of Publications by Year in descending order

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220  
papers

3,623  
citations

117625

34  
h-index

214800

47  
g-index

232  
all docs

232  
docs citations

232  
times ranked

2484  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of thermal comfort predictive control strategies. <i>Energy and Buildings</i> , 2011, 43, 2737-2746.	6.7	120
2	Simulation of Greenhouse Climate Monitoring and Control with Wireless Sensor Network and Event-Based Control. <i>Sensors</i> , 2009, 9, 232-252.	3.8	119
3	Multiobjective hierarchical control architecture for greenhouse crop growth. <i>Automatica</i> , 2012, 48, 490-498.	5.0	87
4	Nonlinear MPC based on a Volterra series model for greenhouse temperature control using natural ventilation. <i>Control Engineering Practice</i> , 2011, 19, 354-366.	5.5	81
5	Efficient building energy management using distributed model predictive control. <i>Journal of Process Control</i> , 2014, 24, 740-749.	3.3	75
6	Online robust tube-based MPC for time-varying systems: a practical approach. <i>International Journal of Control</i> , 2011, 84, 1157-1170.	1.9	72
7	Simple tuning rules for feedforward compensators. <i>Journal of Process Control</i> , 2011, 21, 92-102.	3.3	67
8	Dynamic model of microalgal production in tubular photobioreactors. <i>Bioresource Technology</i> , 2012, 126, 172-181.	9.6	66
9	Interactive learning modules for PID control [Lecture Notes]. <i>IEEE Control Systems</i> , 2008, 28, 118-134.	0.8	65
10	Effective utilization of flue gases in raceway reactor with event-based pH control for microalgae culture. <i>Bioresource Technology</i> , 2014, 170, 1-9.	9.6	64
11	Robust constrained predictive feedback linearization controller in a solar desalination plant collector field. <i>Control Engineering Practice</i> , 2009, 17, 1076-1088.	5.5	56
12	Adaptive hierarchical control of greenhouse crop production. <i>International Journal of Adaptive Control and Signal Processing</i> , 2008, 22, 180-197.	4.1	53
13	Interactive teaching of constrained generalized predictive control. <i>IEEE Control Systems</i> , 2005, 25, 52-66.	0.8	49
14	INTERACTIVE LEARNING MODULES FOR PID CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 7-12.	0.4	47
15	Robust tube-based predictive control for mobile robots in off-road conditions. <i>Robotics and Autonomous Systems</i> , 2011, 59, 711-726.	5.1	47
16	Interactivity in education: An experience in the automatic control field. <i>Computer Applications in Engineering Education</i> , 2013, 21, 360-371.	3.4	47
17	Dynamic model of an industrial raceway reactor for microalgae production. <i>Algal Research</i> , 2016, 17, 67-78.	4.6	47
18	Improving feedforward disturbance compensation capabilities in Generalized Predictive Control. <i>Journal of Process Control</i> , 2012, 22, 527-539.	3.3	46

#	ARTICLE	IF	CITATIONS
19	Evaluation of photosynthetic light integration by microalgae in a pilot-scale raceway reactor. <i>Bioresource Technology</i> , 2019, 280, 404-411.	9.6	45
20	Combined visual odometry and visual compass for off-road mobile robots localization. <i>Robotica</i> , 2012, 30, 865-878.	1.9	44
21	Event-based predictive control of pH in tubular photobioreactors. <i>Computers and Chemical Engineering</i> , 2014, 65, 28-39.	3.8	44
22	Adaptive Control for a Mobile Robot Under Slip Conditions Using an LMI-Based Approach. <i>European Journal of Control</i> , 2010, 16, 144-155.	2.6	43
23	Selective pH and dissolved oxygen control strategy for a raceway reactor within an event-based approach. <i>Control Engineering Practice</i> , 2015, 44, 209-218.	5.5	42
24	Modeling and Control of Greenhouse Crop Growth. <i>Advances in Industrial Control</i> , 2015, , .	0.5	41
25	Evaluation of event-based irrigation system control scheme for tomato crops in greenhouses. <i>Agricultural Water Management</i> , 2017, 183, 16-25.	5.6	41
26	Interactive tool for analysis of time-delay systems with dead-time compensators. <i>Control Engineering Practice</i> , 2008, 16, 824-835.	5.5	39
27	Generalized Predictive Control With Actuator Deadband for Event-Based Approaches. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 523-537.	11.3	39
28	An Interactivity-Based Methodology to Support Control Education: How to Teach and Learn Using Simple Interactive Tools [Lecture Notes]. <i>IEEE Control Systems</i> , 2016, 36, 63-76.	0.8	39
29	Web-based remote control laboratory using a greenhouse scale model. <i>Computer Applications in Engineering Education</i> , 2005, 13, 111-124.	3.4	38
30	Local model predictive controller in a solar desalination plant collector field. <i>Renewable Energy</i> , 2011, 36, 3001-3012.	8.9	37
31	ABACO: A New Model of Microalgae-Bacteria Consortia for Biological Treatment of Wastewaters. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 998.	2.5	37
32	A switching control strategy applied to a solar collector field. <i>Control Engineering Practice</i> , 2011, 19, 135-145.	5.5	36
33	An interactive software tool for system identification. <i>Advances in Engineering Software</i> , 2012, 45, 115-123.	3.8	36
34	First Principles Model of a Tubular Photobioreactor for Microalgal Production. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 11121-11136.	3.7	34
35	An unified approach for DTC design using interactive tools. <i>Control Engineering Practice</i> , 2009, 17, 1234-1244.	5.5	33
36	A hybrid-controlled approach for maintaining nocturnal greenhouse temperature: Simulation study. <i>Computers and Electronics in Agriculture</i> , 2016, 123, 116-124.	7.7	33

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37	Optimization of biomass production in outdoor tubular photobioreactors. Journal of Process Control, 2016, 37, 58-69.	3.3	32
38	Takagi Sugeno control of nocturnal temperature in greenhouses using air heating. ISA Transactions, 2011, 50, 315-320.	5.7	30
39	Autologous peripheral blood stem cell transplantation (PBSCT) mobilized with G-CSF in AML in first complete remission. Role of intensification therapy in outcome. Bone Marrow Transplantation, 1998, 21, 375-382.	2.4	29
40	On the filtered Smith predictor with feedforward compensation. Journal of Process Control, 2016, 41, 35-46.	3.3	29
41	An interactive tool for mobile robot motion planning. Robotics and Autonomous Systems, 2008, 56, 396-409.	5.1	28
42	Generalized feedforward tuning rules for non-realizable delay inversion. Journal of Process Control, 2013, 23, 1241-1250.	3.3	28
43	Application of SSOD-PI and PI-SSOD event-based controllers to greenhouse climatic control. ISA Transactions, 2016, 65, 525-536.	5.7	27
44	Virtual Sensors for Designing Irrigation Controllers in Greenhouses. Sensors, 2012, 12, 15244-15266.	3.8	26
45	Hybrid modeling of a solar-thermal heating facility. Solar Energy, 2013, 97, 577-590.	6.1	26
46	Distributed Sliding Mode Control of pH in Tubular Photobioreactors. IEEE Transactions on Control Systems Technology, 2016, 24, 1160-1173.	5.2	26
47	Linear active disturbance rejection control for a raceway photobioreactor. Control Engineering Practice, 2019, 85, 271-279.	5.5	26
48	A fast and practical one-dimensional transient model for greenhouse temperature and humidity. Computers and Electronics in Agriculture, 2021, 186, 106186.	7.7	26
49	A model-based control scheme for depth of hypnosis in anesthesia. Biomedical Signal Processing and Control, 2018, 42, 216-229.	5.7	25
50	Robust constrained economic receding horizon control applied to the two time-scale dynamics problem of a greenhouse. Optimal Control Applications and Methods, 2014, 35, 435-453.	2.1	23
51	A practical approach for Generalized Predictive Control within an event-based framework. Computers and Chemical Engineering, 2012, 41, 52-66.	3.8	22
52	Implementation of feedback linearization GPC control for a solar furnace. Journal of Process Control, 2013, 23, 1545-1554.	3.3	22
53	Water content virtual sensor for tomatoes in coconut coir substrate for irrigation control design. Agricultural Water Management, 2015, 151, 114-125.	5.6	22
54	Tools and methodologies for teaching robotics in computer science & engineering studies. Computer Applications in Engineering Education, 2016, 24, 202-214.	3.4	22

#	ARTICLE	IF	CITATIONS
55	Predictive Control with Disturbance Forecasting for Greenhouse Diurnal Temperature Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1779-1784.	0.4	21
56	Modelling and Control Issues of pH in Tubular Photobioreactors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 186-191.	0.4	20
57	Autonomous Tracked Robots in Planar Off-Road Conditions. Studies in Systems, Decision and Control, 2014, , .	1.0	20
58	Performance indices for feedforward control. Journal of Process Control, 2015, 26, 26-34.	3.3	20
59	IMPROVING EFFICIENCY OF GREENHOUSE HEATING SYSTEMS USING MODEL PREDICTIVE CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 40-45.	0.4	19
60	Application of time-series methods to disturbance estimation in predictive control problems. , 2010, , .		19
61	A lumped parameter chemical-physical model for tubular photobioreactors. Chemical Engineering Science, 2014, 112, 116-129.	3.8	19
62	A New IoT-Based Platform for Greenhouse Crop Production. IEEE Internet of Things Journal, 2022, 9, 6325-6334.	8.7	19
63	A new model to analyze the temperature effect on the microalgae performance at large scale raceway reactors. Biotechnology and Bioengineering, 2021, 118, 877-889.	3.3	19
64	Robust Nonlinear Predictive Control Applied to a Solar Collector Field in a Solar Desalination Plant. IEEE Transactions on Control Systems Technology, 2010, , .	5.2	18
65	Técnicas de Control del Confort en Edificios. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 5-24.	1.0	18
66	Filtered Smith predictor with feedback linearization and constraints handling applied to a solar collector field. Solar Energy, 2011, 85, 1056-1067.	6.1	18
67	Control System for pH in Raceway Photobioreactors Based on Wiener Models. IFAC-PapersOnLine, 2019, 52, 928-933.	0.9	18
68	Understanding PID design through interactive tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12243-12248.	0.4	17
69	Event-based control and wireless sensor network for greenhouse diurnal temperature control: A simulated case study. , 2008, , .		16
70	Localization and control of tracked mobile robots under slip conditions. , 2009, , .		16
71	Hybrid modeling of central receiver solar power plants. Simulation Modelling Practice and Theory, 2009, 17, 664-679.	3.8	16
72	Hybrid Modeling of a Solar Cooling System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 26-31.	0.4	16

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73	Learning Switching Control: A Tank Level-Control Exercise. IEEE Transactions on Education, 2012, 55, 226-232.	2.4	16
74	Control of off-road mobile robots using visual odometry and slip compensation. Advanced Robotics, 2013, 27, 893-906.	1.8	16
75	Unified PID Tuning Approach for Stable, Integrative, and Unstable Dead-Time Processes. Industrial & Engineering Chemistry Research, 2013, 52, 16811-16819.	3.7	16
76	Hierarchical control for microalgae biomass production in photobiorreactors. Control Engineering Practice, 2016, 54, 246-255.	5.5	16
77	Daytime/Nighttime Event-Based PI Control for the pH of a Microalgae Raceway Reactor. Processes, 2019, 7, 247.	2.8	16
78	Tuning rules for feedforward control from measurable disturbances combined with PID control: a review. International Journal of Control, 2024, 97, 2-15.	1.9	16
79	Indirect regulation of temperature in raceway reactors by optimal management of culture depth. Biotechnology and Bioengineering, 2021, 118, 1186-1198.	3.3	16
80	Modelado y control de la producción de microalgas en fotobiorreactores industriales. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 18, 1.	1.0	16
81	Robust Pressure Control in a Mobile Robot for Spraying Tasks. Transactions of the ASABE, 2008, 51, 715-727.	1.1	15
82	The input amplitude saturation problem in QFT: A survey. Annual Reviews in Control, 2011, 35, 34-55.	7.9	15
83	Filtered Smith Predictor to control pH during enzymatic hydrolysis of microalgae to produce l-aminoacids concentrates. Chemical Engineering Science, 2012, 82, 121-131.	3.8	15
84	Perspectives on control-relevant identification through the use of interactive tools. Control Engineering Practice, 2013, 21, 171-183.	5.5	15
85	Biomass estimation of an industrial raceway photobioreactor using an extended Kalman filter and a dynamic model for microalgae production. Algal Research, 2019, 37, 103-114.	4.6	15
86	Phosphorus Soil Tests for Environmental Assessment in Subtropical Soils. Communications in Soil Science and Plant Analysis, 2004, 35, 1485-1503.	1.4	14
87	The influence of event-based sampling techniques on data transmission and control performance. , 2009, , .		14
88	Bumpless switching in control - A comparative study. , 2010, , .		14
89	Teaching Control Engineering Concepts using Open Source tools on a Raspberry Pi board**This work has been partially funded by the following projects: DPI2014- 55932-C2-1-R and DPI2014-56364-C2-1-R (financed by the Spanish Ministry of Science and Innovation and EU- ERDF funds). IFAC-PapersOnLine, 2015. 48. 99-104.	0.9	14
90	GREENHOUSE DIURNAL TEMPERATURE CONTROL WITH NATURAL VENTILATION BASED ON EMPIRICAL MODELS. Acta Horticulturae, 2006, , 57-64.	0.2	13

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91	Robust tube-based MPC for constrained mobile robots under slip conditions. , 2009, , .		12
92	Viability and application of ethanol production coupled with solar cooling. Applied Energy, 2013, 102, 501-509.	10.1	12
93	Optimal feedforward compensators for systems with right-half plane zeros. Journal of Process Control, 2014, 24, 368-374.	3.3	12
94	Support system for decision making in the management of the greenhouse environmental based on growth model for sweet pepper. Agricultural Systems, 2015, 139, 144-152.	6.1	12
95	Robust design methodology for simultaneous feedforward and feedback tuning. IET Control Theory and Applications, 2016, 10, 84-94.	2.1	12
96	The Comparison Study of Short-Term Prediction Methods to Enhance the Model Predictive Controller Applied to Microgrid Energy Management. Energies, 2017, 10, 884.	3.1	12
97	Web-Based Virtual Lab for Learning Design, Operation, Control, and Optimization of an Anaerobic Digestion Process. Journal of Science Education and Technology, 2021, 30, 319-330.	3.9	12
98	A robust constrained reference governor approach using linear matrix inequalities. Journal of Process Control, 2009, 19, 773-784.	3.3	11
99	Unified PID Tuning Approach for Stable, Integrative and Unstable Dead-Time Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 35-40.	0.4	11
100	Distributed MPC for resource-constrained control systems. Optimal Control Applications and Methods, 2015, 36, 272-291.	2.1	11
101	Robust QFT-Based Feedback Linearization Controller of the Greenhouse Diurnal Temperature Using Natural Ventilation. IEEE Access, 2019, 7, 64148-64161.	4.2	11
102	Simple Tuning Rules for Feedforward Compensators Applied to Greenhouse Daytime Temperature Control Using Natural Ventilation. Agronomy, 2020, 10, 1327.	3.0	11
103	Diurnal and nocturnal pH control in microalgae raceway reactors by combining classical and event-based control approaches. Water Science and Technology, 2020, 82, 1155-1165.	2.5	11
104	Design and implementation of an automatic pressure-control system for a mobile sprayer for greenhouse applications. Spanish Journal of Agricultural Research, 2012, 10, 939.	0.6	11
105	A Wireless Sensor Network for greenhouse climate monitoring. , 2010, , .		10
106	Practical MPC with robust dead-time compensation applied to a solar desalination plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4909-4914.	0.4	10
107	A combined FSP and reset control approach to improve the set-point tracking task of dead-time processes. Control Engineering Practice, 2013, 21, 351-359.	5.5	10
108	Experimental evaluation of feedforward tuning rules. Control Engineering Practice, 2021, 114, 104877.	5.5	10

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109	ITSIE: An Interactive Software Tool for System Identification Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 752-757.	0.4	9
110	i-pIDtune: An interactive tool for integrated system identification and PID control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 146-151.	0.4	9
111	Teaching real-time programming using mobile robots**This work has been partially funded by the following projects: DPI2014-55932-C2-1-R and DPI2014-56364-C2-1-R (financed by the Spanish Ministry of Tj ETQq. 0.784314 rgE	0.4	9
112	Asynchronous periodic event-triggered control with dynamical controllers. Journal of the Franklin Institute, 2018, 355, 3455-3469.	3.4	9
113	Feedforward Compensation for PID Control Loops. Advances in Industrial Control, 2012, , 207-234.	0.5	9
114	Revisiting the simplified IMC tuning rules for low-order controllers: Novel 2DoF feedback controller. IET Control Theory and Applications, 2020, 14, 1700-1710.	2.1	9
115	Symmetric send-on-delta PI control of a greenhouse system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4411-4416.	0.4	8
116	Active Disturbance Rejection and PID Control of a One-stage Refrigeration Cycle. IFAC-PapersOnLine, 2018, 51, 444-449.	0.9	8
117	Two-degree-of-freedom control scheme for depth of hypnosis in anesthesia aZ aZThis work has been partially funded by the following projects: DPI2014-55932-C2-1-R, DPI2014-55932-C2-2-R, DPI2014-56364-C2-1-R and DPI2012-31303 financed by the Spanish Ministry of Economy and Competitiveness 72-77.	0.9	8
118	Application of Predictive Feedforward Compensator to Microalgae Production in a Raceway Reactor: A Simulation Study. Energies, 2018, 11, 123.	3.1	8
119	Modelling and pH Control in Raceway and Thin-Layer Photobioreactors for Wastewater Treatment. Energies, 2021, 14, 1099.	3.1	8
120	A nonlinear control approach for hybrid solar thermal plants based on operational conditions. Renewable Energy, 2022, 183, 114-129.	8.9	8
121	Potential of Trees, Grasses, and Turf Legumes for Restoring Eroded Soils. Communications in Soil Science and Plant Analysis, 2003, 34, 2149-2162.	1.4	7
122	Interactive Learning Module: Basic Modelling and Identification Concepts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14606-14611.	0.4	7
123	Interactive Tools to Learn Basic Concepts of Nonlinear Systems Linearization Through a Case Study*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 66-71.	0.4	7
124	A New Framework to develop Web-based Interactive Tools for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 183-188.	0.4	7
125	Development of interactive books for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 150-155.	0.4	7
126	Advanced Control Strategy Combined with Solar Cooling for Improving Ethanol Production in Fermentation Units. Industrial & Engineering Chemistry Research, 2014, 53, 11384-11392.	3.7	7



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127	A practical hybrid predictive control algorithm for a low-temperature thermosolar plant. Optimal Control Applications and Methods, 2016, 37, 508-520.	2.1	7
128	Event-Based GPC for Multivariable Processes: A Practical Approach With Sensor Deadband. IEEE Transactions on Control Systems Technology, 2017, 25, 1621-1633.	5.2	7
129	Development and test verification of air temperature model for Chinese solar and Spanish Almeria-type greenhouse. International Journal of Agricultural and Biological Engineering, 2017, 10, 66-76.	0.6	7
130	Entornos de experimentación para la Enseñanza de Conceptos Básicos de Modelado y Control. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 10-22.	1.0	7
131	Rituximab Maintenance Treatment After Combined Fludarabine, Cyclophosphamide and Rituximab In Previously Untreated Patients with Progressive B-Cell Chronic Lymphocytic Leukemia (CLL): Interim Analysis of An Ongoing Phase II Multicenter Trial On Behalf of the Spanish CLL Study Group (GELLC). Blood. 2010. 116. 2448-2448.	1.4	7
132	VIRTUAL LAB FOR TEACHING GREENHOUSE CLIMATIC CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 79-84.	0.4	6
133	Study of fundamental control concepts through interactive learning objects. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7286-7291.	0.4	6
134	Feedforward control concepts through Interactive Tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6361-6366.	0.4	6
135	ITCLI : An Interactive Tool for Closed-Loop Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12249-12254.	0.4	6
136	Measurable Disturbances Compensation: Analysis and Tuning of Feedforward Techniques for Dead-Time Processes. Processes, 2016, 4, 12.	2.8	6
137	Closed-loop tuning rules for feedforward compensator gains * *This work has been partially funded by the following project DPI2014-55932-C2-1-R financed by the Spanish Ministry of Economy and Competitiveness and EU- ERDF funds. IFAC-PapersOnLine, 2017, 50, 7523-7528.	0.9	6
138	Event-based GPC for depth of hypnosis in anesthesia for efficient use of propofol. , 2017, , .		6
139	Development of Basic Process Control Structures ~ ~This work was partly supported by the Vinnova strategic program PiiA in Sweden, and the projects DPI2014-55932-C2-1-R and DPI2017-84259-C2-1-R (financed by the Spanish Ministry of Science and Innovation and EU- ERDF funds).. IFAC-PapersOnLine, 2018. 51. 775-780.	0.9	6
140	Control Predictivo por Desacoplo con Compensación de Perturbaciones para el Benchmark de Control 2009-2010. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2011, 8, 112-121.	1.0	6
141	A stabilizing predictive controller with implicit feedforward compensation for stable and time-delayed systems. Journal of Process Control, 2022, 115, 12-26.	3.3	6
142	A Volterra model of the greenhouse temperature using natural ventilation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2925-2930.	0.4	5
143	Event-based selective control strategy for raceway reactor: A simulation study**This work has been supported by Cajamar Foundation and partially funded by the following projects: DPI2014- 55932-C2-1-R,		

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145	Dynamic Modeling of Microalgal Production in Photobioreactors. , 2017, , 49-87.		5
146	New Interactive Books for Control Education – This work has been partially funded by the IEEE Control	0.9	5
147	A Multivariable Controller for the Start-up Procedure of a Solar Membrane Distillation Facility. IFAC-PapersOnLine, 2018, 51, 376-381.	0.9	5
148	Greenhouse Models as a Service (GMaaS) for Simulation and Control. IFAC-PapersOnLine, 2019, 52, 190-195.	0.9	5
149	Revisiting the simplified internal model control tuning rules for low-order controllers: feedforward controller. IET Control Theory and Applications, 2020, 14, 1612-1618.	2.1	5
150	A model-based methodology for the early warning detection of cucumber downy mildew in greenhouses: An experimental evaluation. Computers and Electronics in Agriculture, 2022, 194, 106751.	7.7	5
151	A seasonal simulation approach for culture depth influence on the temperature for different characterized microalgae strains. Biotechnology Journal, 2022, 17, e2100489.	3.5	5
152	Easy Mobile Device Programming for Educational Purposes. , 0, , .		4
153	A multiobjective approach to hierarchical control of greenhouse crop production. , 2007, , .		4
154	Interactive Learning Module for control interaction understanding. , 2009, , .		4
155	Diurnal greenhouse temperature control with predictive control and online constraints mapping. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 140-145.	0.4	4
156	Comfort optimization in a solar energy research center. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 36-41.	0.4	4
157	An interactive CAD tool to teach and learn Nyquist criterion. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 55-60.	0.4	4
158	Teaching Cascaded Controllers with a Fuel Cell Plant in a Hands-on Laboratory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 203-207.	0.4	4
159	Boundary Control of an Industrial Tubular Photobioreactor Using Sliding Mode Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4903-4908.	0.4	4
160	Understanding closed-loop identification with ITCL. IFAC-PapersOnLine, 2015, 48, 739-744.	0.9	4
161	Event-based control for a greenhouse irrigation system. , 2016, , .		4
162	Pressure control of a mobile spraying system. Spanish Journal of Agricultural Research, 2004, 2, 181.	0.6	4

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163	The Greenhouse Dynamical System. Advances in Industrial Control, 2015, , 9-97.	0.5	4
164	A new control strategy to improve the mass transfer capacity and reduce air injection costs in raceway reactors. New Biotechnology, 2022, 70, 49-56.	4.4	4
165	REMOTE LABORATORY FOR TEACHING MULTIVARIABLE CONTROL TECHNIQUES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 493-498.	0.4	3
166	ITCRI: An Interactive Software Tool for Control-Relevant Identification Education*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6367-6372.	0.4	3
167	Improvements on the Filtered Smith Predictor using the Clegg Integrator. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 110-115.	0.4	3
168	A feedback linearization GPC control strategy for a solar furnace. , 2012, , .		3
169	Distributed model predictive control for energy distribution. , 2013, , .		3
170	Optimal feedforward compensators for integrating plants. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 170-175.	0.4	3
171	Modelling of a non-commercial UAV for control and robotics laboratory. IFAC-PapersOnLine, 2015, 48, 65-69.	0.9	3
172	A proposal for teaching SCADA systems using Virtual Industrial Plants in Engineering Education. IFAC-PapersOnLine, 2016, 49, 138-143.	0.9	3
173	An Interactive Tool for Simulation of Biological Models Into the Wastewater Treatment With Microalgae. Frontiers in Environmental Science, 2021, 9, .	3.3	3
174	Control predictivo lineal del PH en un fotobiorreactor Raceway. , 0, , .		3
175	Interactive Tool to Teach Solar Parabolic Trough Concepts. , 2011, , .		3
176	Event-Based Feedforward Control of Linear Systems with input Time-Delay. International Journal of Applied Mathematics and Computer Science, 2019, 29, 541-553.	1.5	3
177	Optimizaci3n de temperatura en reactores raceway para la producci3n de microalgas mediante regulaci3n de nivel. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 164-173.	1.0	3
178	Predictive temperature control of solar collectors in a desalination plant. , 2009, , .		2
179	Lagrange interpolation for signal reconstruction in event-based GPC. , 2014, , .		2
180	Filtered Smith Predictor with nonlinear model applied to a solar field. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
181	Hierarchical Non-linear Control of a Tubular Photobioreactor. IFAC-PapersOnLine, 2015, 48, 224-229.	0.9	2
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