Sebastian Dormido

List of Publications by Year
in descending order

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376	6,242	94433	114465
papers	citations	37 h-index	63 g-index

401	401	401	3500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Virtual and remote labs in education: A bibliometric analysis. Computers and Education, 2016, 98, 14-38.	8.3	353
2	Control learning: present and future. Annual Reviews in Control, 2004, 28, 115-136.	7.9	277
3	A Java/Matlab-Based Environment for Remote Control System Laboratories: Illustrated With an Inverted Pendulum. IEEE Transactions on Education, 2004, 47, 321-329.	2.4	137
4	Virtual and remote labs in control education: A survey. Annual Reviews in Control, 2016, 42, 1-10.	7.9	136
5	Development of a Web-Based Control Laboratory for Automation Technicians: The Three-Tank System. IEEE Transactions on Education, 2008, 51, 35-44.	2.4	121
6	Simulation of Greenhouse Climate Monitoring and Control with Wireless Sensor Network and Event-Based Control. Sensors, 2009, 9, 232-252.	3.8	119
7	Developing a remote laboratory for engineering education. Computers and Education, 2011, 57, 1686-1697.	8.3	118
8	Open and Low-Cost Virtual and Remote Labs on Control Engineering. IEEE Access, 2015, 3, 805-814.	4.2	109
9	Real-time collaboration of virtual laboratories through the Internet. Computers and Education, 2009, 52, 126-140.	8.3	96
10	Virtual and remote control labs using Java: a qualitative approach. IEEE Control Systems, 2002, 22, 8-20.	0.8	95
11	The Ball and Beam System: A Case Study of Virtual and Remote Lab Enhancement With Moodle. IEEE Transactions on Industrial Informatics, 2015, 11, 934-945.	11.3	94
12	A Network of Automatic Control Web-Based Laboratories. IEEE Transactions on Learning Technologies, 2011, 4, 197-208.	3.2	90
13	A two-degree-of-freedom PI controller based on events. Journal of Process Control, 2011, 21, 639-651.	3.3	90
14	Distributed eventâ€based control strategies for interconnected linear systems. IET Control Theory and Applications, 2013, 7, 877-886.	2.1	90
15	Virtual and Remote Robotic Laboratory Using EJS, MATLAB and LabVIEW. Sensors, 2013, 13, 2595-2612.	3.8	79
16	Diagnosis of PEM fuel cells through current interruption. Journal of Power Sources, 2007, 171, 670-677.	7.8	76
17	Diagnosis of performance degradation phenomena in PEM fuel cells. International Journal of Hydrogen Energy, 2010, 35, 2586-2590.	7.1	75
18	Characterization of symmetric send-on-delta PI controllers. Journal of Process Control, 2012, 22, 1930-1945.	3.3	74

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19	Providing collaborative support to virtual and remote laboratories. IEEE Transactions on Learning Technologies, 2013, 6, 312-323.	3.2	71
20	Interactive learning modules for PID control [Lecture Notes]. IEEE Control Systems, 2008, 28, 118-134.	0.8	65
21	Effective utilization of flue gases in raceway reactor with event-based pH control for microalgae culture. Bioresource Technology, 2014, 170, 1-9.	9.6	64
22	On the Application of Different Event-Based Sampling Strategies to the Control of a Simple Industrial Process. Sensors, 2009, 9, 6795-6818.	3.8	63
23	A Remote Laboratory as an Innovative Educational Tool for Practicing Control Engineering Concepts. IEEE Transactions on Education, 2013, 56, 436-442.	2.4	60
24	The learning of control concepts using interactive tools. Computer Applications in Engineering Education, 2005, 13, 84-98.	3.4	59
25	Developing Networked Control Labs: A Matlab and Easy Java Simulations Approach. IEEE Transactions on Industrial Electronics, 2010, 57, 3266-3275.	7.9	58
26	EJS, JIL Server, and LabVIEW: An Architecture for Rapid Development of Remote Labs. IEEE Transactions on Learning Technologies, 2015, 8, 393-401.	3.2	50
27	Interactive teaching of constrained generalized predictive control. IEEE Control Systems, 2005, 25, 52-66.	0.8	49
28	Distributed event-based control for interconnected linear systems. , 2011, , .		48
29	INTERACTIVE LEARNING MODULES FOR PID CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 7-12.	0.4	47
30	Parabolic-trough solar thermal power plant simulation scheme, multi-objective genetic algorithm calibration and validation. Solar Energy, 2012, 86, 531-540.	6.1	47
31	Interactivity in education: An experience in the automatic control field. Computer Applications in Engineering Education, 2013, 21, 360-371.	3.4	47
32	A survey of good practice in control education. European Journal of Engineering Education, 2018, 43, 801-823.	2.3	46
33	What remote labs can do for you. Physics Today, 2016, 69, 48-53.	0.3	43
34	Selective pH and dissolved oxygen control strategy for a raceway reactor within an event-based approach. Control Engineering Practice, 2015, 44, 209-218.	5.5	42
35	Evaluation of event-based irrigation system control scheme for tomato crops in greenhouses. Agricultural Water Management, 2017, 183, 16-25.	5.6	41
36	Interactive tool for analysis of time-delay systems with dead-time compensators. Control Engineering Practice, 2008, 16, 824-835.	5.5	39

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37	Synchronous collaboration of virtual and remote laboratories. Computer Applications in Engineering Education, 2012, 20, 124-136.	3.4	39
38	An Interactivity-Based Methodology to Support Control Education: How to Teach and Learn Using Simple Interactive Tools [Lecture Notes]. IEEE Control Systems, 2016, 36, 63-76.	0.8	39
39	Web-based remote control laboratory using a greenhouse scale model. Computer Applications in Engineering Education, 2005, 13, 111-124.	3.4	38
40	Distributed event-triggered control with network delays and packet losses. , 2012, , .		38
41	Electrochemical parameter estimation in operating proton exchange membrane fuel cells. Journal of Power Sources, 2008, 183, 118-125.	7.8	36
42	An interactive software tool for system identification. Advances in Engineering Software, 2012, 45, 115-123.	3.8	36
43	Switching moving boundary models for two-phase flow evaporators and condensers. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 743-768.	3.3	36
44	Tuning of symmetric sendâ€onâ€delta proportionalâ€“integral controllers. IET Control Theory and Applications, 2014, 8, 248-259.	2.1	35
45	An unified approach for DTC design using interactive tools. Control Engineering Practice, 2009, 17, 1234-1244.	5.5	33
46	Two web-based laboratories of the FisL@bs network: Hooke's and Snell's laws. European Journal of Physics, 2011, 32, 571-584.	0.6	33
47	Chattering in dynamic mathematical two-phase flow models. Applied Mathematical Modelling, 2012, 36, 2067-2081.	4.2	33
48	Reset control systems with reset band: Well-posedness, limit cycles and stability analysis. Systems and Control Letters, 2014, 63, 1-11.	2.3	33
49	Web-Enabled Remote Scientific Environments. Computing in Science and Engineering, 2009, 11, 36-46.	1.2	32
50	Distributed event-triggered control for non-reliable networks. Journal of the Franklin Institute, 2014, 351, 5250-5273.	3.4	32
51	The Role of Interactivity in Control Learning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1-12.	0.4	31
52	An Integrated Virtual and Remote Control Lab: The Three-Tank System as a Case Study. Computing in Science and Engineering, 2008, 10, 50-59.	1.2	31
53	Platform for Teaching Mobile Robotics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 131-143.	3.4	31
54	Nonlinear adaptive sliding mode control with fast non-overshooting responses and chattering avoidance. Journal of the Franklin Institute, 2017, 354, 2788-2815.	3.4	31

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55	A Systematic Two-Layer Approach to Develop Web-Based Experimentation Environments for Control Engineering Education. Intelligent Automation and Soft Computing, 2008, 14, 505-524.	2.1	29
56	An interactive tool for mobile robot motion planning. Robotics and Autonomous Systems, 2008, 56, 396-409.	5.1	28
57	A Mobile Robots Experimental Environment with Event-Based Wireless Communication. Sensors, 2013, 13, 9396-9413.	3.8	28
58	Application of SSOD-PI and PI-SSOD event-based controllers to greenhouse climatic control. ISA Transactions, 2016, 65, 525-536.	5.7	27
59	Recognition of a landing platform for unmanned aerial vehicles by using computer vision-based techniques. Expert Systems With Applications, 2017, 76, 152-165.	7.6	27
60	Development of an Easy-to-Use Multi-Agent Platform for Teaching Mobile Robotics. IEEE Access, 2019, 7, 55885-55897.	4.2	26
61	Event-Based PI Plus Feedforward Control Strategies for a Distributed Solar Collector Field. IEEE Transactions on Control Systems Technology, 2014, 22, 1615-1622.	5.2	25
62	A model-based control scheme for depth of hypnosis in anesthesia. Biomedical Signal Processing and Control, 2018, 42, 216-229.	5.7	25
63	The quadruple-tank process: An interactive tool for control education. , 2003, , .		24
64	Development of virtual-labs for education in chemical process control using Modelica. Computers and Chemical Engineering, 2012, 39, 170-178.	3.8	24
65	Simulation and Experimental Results of a New Control Strategy For Point Stabilization of Nonholonomic Mobile Robots. IEEE Transactions on Industrial Electronics, 2020, 67, 6679-6687.	7.9	24
66	TJ-II wave forms analysis with wavelets and support vector machines. Review of Scientific Instruments, 2004, 75, 4254-4257.	1.3	23
67	Adding interactivity to existing Simulink models using Easy Java Simulations. , 0, , .		23
68	EJS+EjsRL: An interactive tool for industrial robots simulation, Computer Vision and remote operation. Robotics and Autonomous Systems, 2011, 59, 389-401.	5.1	23
69	Object-oriented modelling of virtual-labs for education in chemical process control. Computers and Chemical Engineering, 2008, 32, 3176-3186.	3.8	22
70	Comparative study of event-based control strategies: An experimental approach on a simple tank. , 2009, , .		22
71	A new Internet tool for automatic evaluation in Control Systems andÂProgramming. Computers and Education, 2012, 59, 535-550.	8.3	22
72	Characterization of limit cycles for self-regulating and integral processes with PI control and send-on-delta sampling. Journal of Process Control, 2013, 23, 826-838.	3.3	22

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73	Event-Based Control Strategy for Mobile Robots in Wireless Environments. Sensors, 2015, 15, 30076-30092.	3.8	22
74	Distributed control for large-scale systems with adaptive event-triggering. Journal of the Franklin Institute, 2016, 353, 735-756.	3.4	22
75	Identification of process transfer function parameters in event-based PI control loops. ISA Transactions, 2018, 75, 157-171.	5.7	22
76	Open-Source Hardware in Education: A Systematic Mapping Study. IEEE Access, 2018, 6, 72094-72103.	4.2	22
77	A Neural Network Approach for Building An Obstacle Detection Model by Fusion of Proximity Sensors Data. Sensors, 2018, 18, 683.	3.8	22
78	AN INTERACTIVE TOOL FOR INTRODUCTORY NONLINEAR CONTROL SYSTEMS EDUCATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 255-260.	0.4	21
79	A novel approach to periodic event-triggered control: Design and application to the inverted pendulum. ISA Transactions, 2016, 65, 327-338.	5.7	21
80	Development of a Khepera IV Library for the V-REP Simulator. IFAC-PapersOnLine, 2016, 49, 81-86.	0.9	21
81	Development of an XML-Based Lab for Remote Control Experiments on a Servo Motor. International Journal of Electrical Engineering and Education, 2005, 42, 173-184.	0.8	20
82	Distributed adaptive control of linear multi-agent systems with event-triggered communications. Applied Mathematics and Computation, 2016, 274, 195-207.	2.2	20
83	A Khepera IV library for robotic control education using V-REP. IFAC-PapersOnLine, 2017, 50, 9150-9155.	0.9	20
84	Event-Based Control: A Bibliometric Analysis of Twenty Years of Research. IEEE Access, 2020, 8, 47188-47208.	4.2	20
85	Event-Based PID Control. Advances in Industrial Control, 2012, , 495-526.	0.5	20
86	Opportunities and good practice in control education: a survey. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10568-10573.	0.4	19
87	A Remote Laboratory for Mobile Robot Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7280-7285.	0.4	18
88	Limit cycles analysis of reset control systems with reset band. Nonlinear Analysis: Hybrid Systems, 2011, 5, 163-173.	3.5	18
89	A Robust<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow for an UAV Flight Control System. Scientific World Journal, The, 2015, 2015, 1-11.	2.2	18
90	An Interactive and Comprehensive Software Tool to Promote Active Learning in the Loop Shaping Control System Design. IEEE Access, 2017, 5, 10533-10546.	4.2	18

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91	Automated Assessment and Monitoring Support for Competency-Based Courses. IEEE Access, 2019, 7, 41043-41051.	4.2	18
92	Understanding PID design through interactive tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12243-12248.	0.4	17
93	Control of a chain pendulum: A fuzzy logic approach. International Journal of Computational Intelligence Systems, 2016, 9, 281.	2.7	17
94	Virtual and Remote Laboratory with the Ball and Plate System. IFAC-PapersOnLine, 2017, 50, 9132-9137.	0.9	17
95	Reinforcement Learning for Position Control Problem of a Mobile Robot. IEEE Access, 2020, 8, 152941-152951.	4.2	17
96	EXTENDED MOVING BOUNDARY MODEL FOR TWO-PHASE FLOWS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 368-373.	0.4	16
97	Event-based control and wireless sensor network for greenhouse diurnal temperature control: A simulated case study. , 2008, , .		16
98	Co-design strategy of networked control systems for treacherous network conditions. IET Control Theory and Applications, 2011, 5, 1906-1915.	2.1	16
99	A Multirate Control Strategy to the Slow Sensors Problem: An Interactive Simulation Tool for Controller Assisted Design. Sensors, 2014, 14, 4086-4110.	3.8	16
100	An Interactive Tool for Outdoor Computer Controlled Cultivation of Microalgae in a Tubular Photobioreactor System. Sensors, 2014, 14, 4466-4483.	3.8	16
101	A practical tuning methodology for event-based PI control. Journal of Process Control, 2014, 24, 278-295.	3.3	16
102	Enhanced Event-Based Identification Procedure for Process Control. Industrial & Engineering Chemistry Research, 2018, 57, 7218-7231.	3.7	16
103	Closed-Loop Shaping Linear Control System Design: An Interactive Teaching/Learning Approach [Focus on Education]. IEEE Control Systems, 2019, 39, 58-74.	0.8	16
104	A note on the transmission of relative errors in the observability problem. IEEE Transactions on Automatic Control, 1979, 24, 634-635.	5.7	15
105	Encoding technique for high data compaction in data bases of fusion devices. Review of Scientific Instruments, 1996, 67, 4154-4160.	1.3	15
106	Perspectives on control-relevant identification through the use of interactive tools. Control Engineering Practice, 2013, 21, 171-183.	5.5	15
107	A unified event-based control approach for FOPTD and IPTD processes based on the filtered Smith predictor. Journal of the Franklin Institute, 2017, 354, 1239-1264.	3.4	15
108	Using Augmented Reality in Remote Laboratories. International Journal of Computers, Communications and Control, 2013, 8, 622.	1.8	15

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109	AutomatL@bs Consortium. , 2012, , 206-225.		15
110	Nonperiodic sampling and identifiability. Electronics Letters, 1981, 17, 922.	1.0	14
111	The influence of event-based sampling techniques on data transmission and control performance. , 2009, , .		14
112	System modeling using the Parallel DEVS formalism and the Modelica language. Simulation Modelling Practice and Theory, 2010, 18, 998-1018.	3.8	14
113	Closed-Loop Automatic Tuning Technique for an Event-Based PI Controller. Industrial & Engineering Chemistry Research, 2015, 54, 6362-6370.	3.7	14
114	A Methodology to Obtain Learning Effective Laboratories with Learning Management System Integration. IEEE Transactions on Learning Technologies, 2016, 9, 391-399.	3.2	14
115	Teaching control in mobile robotics with V-REP and a Khepera IV library. , 2016, , .		14
116	Distributed Formation Control for Multiagent Systems Using a Fractional-Order Proportionalâ€“Integral Structure. IEEE Transactions on Control Systems Technology, 2021, 29, 2738-2745.	5.2	14
117	Compensation of discrete systems to variations in their parameters by changing sampling period. Electronics Letters, 1982, 18, 404.	1.0	13
118	WEB-BASED VIRTUAL LAB AND REMOTE EXPERIMENTATION USING EASY JAVA SIMULATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 103-108.	0.4	13
119	Interactive computer-aided control design using quantitative feedback theory: the problem of vertical movement stabilization on a high-speed ferry. International Journal of Control, 2005, 78, 813-825.	1.9	13
120	Analysis of the use of industrial control systems in simulators: State of the art and basic guidelines. ISA Transactions, 2006, 45, 295-312.	5.7	13
121	An approach to virtual-lab implementation using Modelica. Mathematical and Computer Modelling of Dynamical Systems, 2008, 14, 341-360.	2.2	13
122	On the presence of equilibrium points in PI control systems with send-on-delta sampling. , 2011, , .		13
123	Reduction of the dimensionality of dynamic programming: a case study. , 1999, , .		12
124	Methodologies for the Tuning of PID Controllers in the Frequency Domain. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 147-152.	0.4	12
125	Three coefficients of a polynomial can determine its instability. Linear Algebra and Its Applications, 2001, 338, 67-76.	0.9	12
126	Developing and Implementing Virtual and Remote Labs for Control Education: The UNED pilot experience. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8159-8164.	0.4	12

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127	Modeling of a two-step solar hydrogen production plant. International Journal of Hydrogen Energy, 2012, 37, 10549-10556.	7.1	12
128	Development of an industrial boiler virtualâ€lab for control education using Modelica. Computer Applications in Engineering Education, 2013, 21, 36-45.	3.4	12
129	Virtual Laboratory of the Ball and Plate System. IFAC-PapersOnLine, 2015, 48, 152-157.	0.9	12
130	The experiment editor: supporting inquiry-based learning with virtual labs. European Journal of Physics, 2017, 38, 035702.	0.6	12
131	Experimental Study of Nonlinear PID Controllers in an Air Levitation System. IFAC-PapersOnLine, 2018, 51, 304-309.	0.9	12
132	A Study of Strategies for Developing Online Laboratories. IEEE Transactions on Learning Technologies, 2021, 14, 777-787.	3.2	12
133	REDUCED-ORDER KALMAN FILTER FOR ALIGNMENT. Cybernetics and Systems, 1994, 25, 1-16.	2.5	11
134	Fuzzy-PID controllers vs. fuzzy-PI controllers. , 0, , .		11
135	Kharitonov's theorem extension to interval polynomials which can drop in degree: a Nyquist approach. IEEE Transactions on Automatic Control, 1996, 41, 1009-1012.	5.7	11
136	A robust constrained reference governor approach using linear matrix inequalities. Journal of Process Control, 2009, 19, 773-784.	3.3	11
137	Stability analysis of symmetric send-on-delta event-based control systems. , 2013, , .		11
138	Adding automatic evaluation to interactive virtual labs. Interactive Learning Environments, 2016, 24, 1456-1476.	6.4	11
139	Synthesis of Generalized Parallel Counters. IEEE Transactions on Computers, 1981, C-30, 699-703.	3.4	10
140	Parallel dynamic programming on clusters of workstations. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 785-798.	5.6	10
141	A heuristic method to minimise the chattering problem in dynamic mathematical two-phase flow models. Mathematical and Computer Modelling, 2011, 54, 1549-1560.	2.0	10
142	ITADLS: An Interactive Tool for Analysis and Design of Linear Systems. IFAC-PapersOnLine, 2015, 48, 253-258.	0.9	10
143	A novel approach for periodic event-triggering based on general quadratic functions. , 2015, , .		10
144	Remote Interoperability Protocol: A bridge between interactive interfaces and engineering systems**This work has been funded by the National Plan Project DPI2012- 31303 of the Spanish Ministry of Science and Innovation and FEDER funds.. IFAC-PapersOnLine, 2015, 48, 247-252.	0.9	10

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145	Online Virtual Control Laboratory of Mobile Robots. IFAC-PapersOnLine, 2018, 51, 316-321.	0.9	10
146	Fitting of Generic Process Models by an Asymmetric Short Relay Feedback Experimentâ€"The n-Shifting Method. Applied Sciences (Switzerland), 2021, 11, 1651.	2.5	10
147	Conceptual Learning of Control by Java-Based Simulations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 167-172.	0.4	9
148	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
149	Object-Oriented Modeling of Switching Moving Boundary Models for Two-phase Flow Evaporators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1069-1074.	0.4	9
150	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
151	A Virtual and Remote Control Laboratory in Moodle: The Ball and Beam System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 72-77.	0.4	9
152	Design of event-based PI-P controllers using interactive tools. Control Engineering Practice, 2014, 32, 183-202.	5.5	9
153	Two degree-of-freedom design for a send-on-delta sampling PI control strategy. Control Engineering Practice, 2014, 30, 55-66.	5.5	9
154	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 ETQq0 0 0 rgBT /Overlock		9
155	An open software - open hardware lab of the air levitation system. IFAC-PapersOnLine, 2017, 50, 9168-9173.	0.9	9
156	Asynchronous periodic event-triggered control with dynamical controllers. Journal of the Franklin Institute, 2018, 355, 3455-3469.	3.4	9
157	Estado del arte de la educaciÃ³n en automÃ¡tica. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 117-131.	1.0	9
158	An interactive tool for fractional order PID controllers. , 2009, , .		8
159	Stability Analysis of reset control systems with reset band. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 180-185.	0.4	8
160	Object-oriented modelling and simulation of ACUREX solar thermal power plant. Mathematical and Computer Modelling of Dynamical Systems, 2010, 16, 211-224.	2.2	8
161	An automatic tuning procedure for an event-based PI controller. , 2013, , .		8
162	An Architecture to use Easy Java-Javascript Simulations in New Devices**Sponsor and financial support acknowledgment goes here. Paper titles should be written in uppercase and lowercase letters, not all uppercase.. IFAC-PapersOnLine, 2015, 48, 129-133.	0.9	8

#	Article	IF	Citations
163	Design of periodic event-triggered control for polynomial systems: A delay system approach * *E. Aranda-EscolÃ¡stico, M. Guinaldo and S. Dormido supported by Spanish Ministry of Economy and Competitiveness under projects DPI2012-31303 and DPI2014-55932-C2-2-R and by the Universidad Nacional de EducaciÃ³n a Distancia under the project 2014-007-UNED-PROY.M. Abdelrahim and W.P.M.H. Heemels are supported by the Dutch Science Foundation (STW) and the Dutch Organization for Scientic Research (NWO) under the VICI gr. IFAC-PapersOnLine, 2017, 50, 7887-7892.	0.9	8
164	Teaching, Analyzing, Designing and Interactively Simulating Sliding Mode Control. IEEE Access, 2018, 6, 16783-16794.	4.2	8
165	Two-degree-of-freedom control scheme for depth of hypnosis in anesthesia aŽ aŽ This 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
166	Application of Predictive Feedforward Compensator to Microalgae Production in a Raceway Reactor: A Simulation Study. Energies, 2018, 11, 123.	3.1	8
167	A new architecture for the design of virtual/remote labs: The coupled drives system as a case of study. , 2019, , .		8
168	Evidence-Based Control Engineering Education: Evaluating the LCSD Simulation Tool. IEEE Access, 2020, 8, 170183-170194.	4.2	8
169	Validity of continuous tuning rules in event-based PI controllers using symmetric send-on-delta sampling: An experimental approach. Computers and Chemical Engineering, 2020, 139, 106878.	3.8	8
170	Object-Oriented Library of Switching Moving Boundary Models for Two-phase Flow Evaporators and Condensers. , 2012, , .		8
171	On the sixty-four polynomials of Djaferis to stabilize an interval plant. IEEE Transactions on Automatic Control, 1995, 40, 2122-2127.	5.7	7
172	Between fuzzy-PID and PID-conventional controllers: a good choice. , 0, , .		7
173	Magnetic levitation system: a virtual lab in "easy Java simulation". , 2004, , .		7
174	Object oriented modelling and simulation of parabolic trough collectors with modelica. Mathematical and Computer Modelling of Dynamical Systems, 2008, 14, 361-375.	2.2	7
175	Interactive Learning Module: Basic Modelling and Identification Concepts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14606-14611.	0.4	7
176	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
177	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
178	Development of interactive books for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 150-155.	0.4	7
179	Interactivity-based control education: Some experiences at the University of CÃ³rdoba. IFAC-PapersOnLine, 2015, 48, 37-42.	0.9	7
180	Virtual Control Labs Experimentation: The Water Tank System. IFAC-PapersOnLine, 2016, 49, 87-92.	0.9	7

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181	Optimal Threshold Setting for Event-Based Control Strategies. IEEE Access, 2017, 5, 2880-2893.	4.2	7
182	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
183	Identification and Tuning Methods for PI Control Systems Based on Symmetric Send-on-delta Sampling. International Journal of Control, Automation and Systems, 2019, 17, 2784-2795.	2.7	7
184	Robust switched control of an air levitation system with minimum sensing. ISA Transactions, 2020, 96, 327-336.	5.7	7
185	Improvements in the treatment of signals used for plasma diagnostics. IEEE Transactions on Nuclear Science, 1996, 43, 229.	2.0	6
186	Object-oriented Design of Reusable Model Libraries of Hybrid Dynamic Systems ? Part One: A Design Methodology. Mathematical and Computer Modelling of Dynamical Systems, 2003, 9, 65-90.	2.2	6
187	VIRTUAL LAB FOR TEACHING GREENHOUSE CLIMATIC CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 79-84.	0.4	6
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