

Sebastian Dormido

List of Publications by Year in descending order

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376
papers

6,242
citations

94433

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g-index

401
all docs

401
docs citations

401
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric delayed relay feedback identification based on the n -shifting approach. International Journal of Control, 2024, 97, 59-71.	1.9	1
2	UAV Landing Platform Recognition Using Cognitive Computation Combining Geometric Analysis and Computer Vision Techniques. Cognitive Computation, 2023, 15, 392-412.	5.2	2
3	Estado del arte de la educaci3n en autom3tica. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 117-131.	1.0	9
4	Characterization of Limit Cycle Oscillations Induced by Fixed Threshold Samplers. IEEE Access, 2022, 10, 62581-62596.	4.2	3
5	An Interactive Software Tool to Learn/Teach Robust Closed-Loop Shaping Control Systems Design. IEEE Access, 2021, 9, 125805-125821.	4.2	1
6	PID Control. , 2021, , 1724-1733.		0
7	Distributed Formation Control for Multiagent Systems Using a Fractional-Order Proportional-Integral Structure. IEEE Transactions on Control Systems Technology, 2021, 29, 2738-2745.	5.2	14
8	Stability and Synchronization of Switched Multi-Rate Recurrent Neural Networks. IEEE Access, 2021, 9, 45614-45621.	4.2	1
9	Fitting of Generic Process Models by an Asymmetric Short Relay Feedback Experiment- The n -Shifting Method. Applied Sciences (Switzerland), 2021, 11, 1651.	2.5	10
10	Un enfoque interactivo para el an3lisis y dise±o de sistemas de control utilizando el m3todo del lugar de las ra3ces. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 18, 176.	1.0	4
11	A Control Engineering Framework for Quadrotors: An Application for the Crazyflie 2.X. , 2021, , .		1
12	A Study of Strategies for Developing Online Laboratories. IEEE Transactions on Learning Technologies, 2021, 14, 777-787.	3.2	12
13	Robust switched control of an air levitation system with minimum sensing. ISA Transactions, 2020, 96, 327-336.	5.7	7
14	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
15	A Distributed Vision-Based Navigation System for Khepera IV Mobile Robots. Sensors, 2020, 20, 5409.	3.8	5
16	Evidence-Based Control Engineering Education: Evaluating the LCS D Simulation Tool. IEEE Access, 2020, 8, 170183-170194.	4.2	8
17	Reinforcement Learning for Position Control Problem of a Mobile Robot. IEEE Access, 2020, 8, 152941-152951.	4.2	17
18	Event-Based Control: A Bibliometric Analysis of Twenty Years of Research. IEEE Access, 2020, 8, 47188-47208.	4.2	20

#	ARTICLE	IF	CITATIONS
19	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
20	Decoupled feedforward-feedback periodic event-triggered control for disturbance rejection. IFAC-PapersOnLine, 2020, 53, 2708-2713.	0.9	0
21	Position control of a mobile robot using reinforcement learning. IFAC-PapersOnLine, 2020, 53, 17393-17398.	0.9	6
22	Validating Continuous Tuning Rules for Event-Based PI Control of Lag-Dominant Processes. IFAC-PapersOnLine, 2020, 53, 2789-2795.	0.9	0
23	An interactive teaching/learning approach to the design of robust linear control systems using the closed-loop shaping methodology. IFAC-PapersOnLine, 2020, 53, 17174-17178.	0.9	3
24	A Master Course on Automatic Control Based on the Use of Online Labs. IFAC-PapersOnLine, 2020, 53, 17542-17547.	0.9	4
25	H interactive controller design for teaching purposes. IFAC-PapersOnLine, 2020, 53, 17185-17189.	0.9	2
26	Learning planar robotics with an open source online laboratory. IFAC-PapersOnLine, 2020, 53, 17222-17227.	0.9	1
27	A Practical Approach to Adaptive Sliding Mode Control. International Journal of Control, Automation and Systems, 2019, 17, 2452-2461.	2.7	5
28	A new architecture for the design of virtual/remote labs: The coupled drives system as a case of study. , 2019, , .		8
29	The Air Levitation System. IFAC-PapersOnLine, 2019, 52, 33-35.	0.9	2
30	Using Server-Sent Events for Event-Based Control in Networked Control Systems. IFAC-PapersOnLine, 2019, 52, 260-265.	0.9	3
31	Using Server-Sent Events for Event-Based Control Laboratory Practices in Distance and Blended Learning. , 2019, , .		3
32	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
33	Development of an Easy-to-Use Multi-Agent Platform for Teaching Mobile Robotics. IEEE Access, 2019, 7, 55885-55897.	4.2	26
34	A Master Course on Automatic Control with Remote Labs. IFAC-PapersOnLine, 2019, 52, 48-49.	0.9	5
35	On Teaching Digital Control Systems in a Generic Engineering Degree. IFAC-PapersOnLine, 2019, 52, 103-108.	0.9	4
36	Automated Assessment and Monitoring Support for Competency-Based Courses. IEEE Access, 2019, 7, 41043-41051.	4.2	18

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37	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
38	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
39	Enhanced Event-Based Identification Procedure for Process Control. Industrial & Engineering Chemistry Research, 2018, 57, 7218-7231.	3.7	16
40	A model-based control scheme for depth of hypnosis in anesthesia. Biomedical Signal Processing and Control, 2018, 42, 216-229.	5.7	25
41	A survey of good practice in control education. European Journal of Engineering Education, 2018, 43, 801-823.	2.3	46
42	Teaching, Analyzing, Designing and Interactively Simulating Sliding Mode Control. IEEE Access, 2018, 6, 16783-16794.	4.2	8
43	Identification of process transfer function parameters in event-based PI control loops. ISA Transactions, 2018, 75, 157-171.	5.7	22
44	Asynchronous periodic event-triggered control with dynamical controllers. Journal of the Franklin Institute, 2018, 355, 3455-3469.	3.4	9
45	Web Experimentation on Virtual and Remote Laboratories. Lecture Notes in Networks and Systems, 2018, , 205-219.	0.7	0
46	Navigation control of the Khepera IV model with OpenCV in V-REP simulator. , 2018, , .		3
47	First Principles System Level Modelling of TCP-100 Facility for Simulation of Operation Modes – The authors thanks to the Spanish Ministerio de Economía, Industria y Competitividad for partially funding this work.. IFAC-PapersOnLine, 2018, 51, 481-486.	0.9	2
48	New Interactive Books for Control Education – This work has been partially funded by the IEEE Control	0.9	5
49	Experimental Study of Nonlinear PID Controllers in an Air Levitation System. IFAC-PapersOnLine, 2018, 51, 304-309.	0.9	12
50	Online Virtual Control Laboratory of Mobile Robots. IFAC-PapersOnLine, 2018, 51, 316-321.	0.9	10
51	The use of interactivity in the controller design: Loop shaping versus closed-loop shaping. IFAC-PapersOnLine, 2018, 51, 334-339.	0.9	3
52	An Improved Relay-based Identification Approach based on Asymmetric Oscillations. IFAC-PapersOnLine, 2018, 51, 468-473.	0.9	3
53	Two-degree-of-freedom control scheme for depth of hypnosis in anesthesia – 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	0.9	8
54	Applying Deep Learning for Improving Image Classification in Nuclear Fusion Devices. IEEE Access, 2018, 6, 72345-72356.	4.2	5

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55	Open-Source Hardware in Education: A Systematic Mapping Study. IEEE Access, 2018, 6, 72094-72103.	4.2	22
56	Optimal Control for Aperiodic Dual-Rate Systems With Time-Varying Delays. Sensors, 2018, 18, 1491.	3.8	6
57	Application of Predictive Feedforward Compensator to Microalgae Production in a Raceway Reactor: A Simulation Study. Energies, 2018, 11, 123.	3.1	8
58	New Control Paradigms for Resources Saving: An Approach for Mobile Robots Navigation. Sensors, 2018, 18, 281.	3.8	5
59	A Neural Network Approach for Building An Obstacle Detection Model by Fusion of Proximity Sensors Data. Sensors, 2018, 18, 683.	3.8	22
60	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
61	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
62	Optimal Threshold Setting for Event-Based Control Strategies. IEEE Access, 2017, 5, 2880-2893.	4.2	7
63	The experiment editor: supporting inquiry-based learning with virtual labs. European Journal of Physics, 2017, 38, 035702.	0.6	12
64	Anytime Optimal Control Strategy for Multi-Rate Systems. IEEE Access, 2017, 5, 2790-2797.	4.2	4
65	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
66	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
67	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
68	Virtual and Remote Laboratory with the Ball and Plate System. IFAC-PapersOnLine, 2017, 50, 9132-9137.	0.9	17
69	Conducting Online Lab Experiments with Blockly. IFAC-PapersOnLine, 2017, 50, 13474-13479.	0.9	6
70	An Object-Oriented Library for Process Control Simulations in MATLAB. IFAC-PapersOnLine, 2017, 50, 15686-15691.	0.9	2
71	Adaptive Weighing System With Fast Nonstationary Filtering and Centrifugal Force Compensation. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3210-3217.	4.7	5
72	Blockly experiments for EjsS laboratories. , 2017, , .		3

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73	Event-Based Control Systems for Microalgae Culture in Industrial Reactors. , 2017, , 1-48.		5
74	Evaluation of event-based irrigation system control scheme for tomato crops in greenhouses. Agricultural Water Management, 2017, 183, 16-25.	5.6	41
75	A low-cost embedded controller design for selective spraying vehicle * *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 and the UNED through a postdoctoral scholarship.. IFAC-PapersOnLine, 2017, 50, 5404-5409.	0.9	1
76	A Khepera IV library for robotic control education using V-REP. IFAC-PapersOnLine, 2017, 50, 9150-9155.	0.9	20
77	An open software - open hardware lab of the air levitation system. IFAC-PapersOnLine, 2017, 50, 9168-9173.	0.9	9
78	Predictive feedforward compensator for dead-time processes * *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 and the UNED through a postdoctoral scholarship.. IFAC-PapersOnLine, 2017, 50, 1239-1244.	0.9	2
79	Aranda-Escobedo, 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 Educación 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 Scientific Research (NWO) under the VICI gr. IFAC-PapersOnLine, 2017, 50, 7887-7892.	0.9	8
80	Event-based GPC for depth of hypnosis in anesthesia for efficient use of propofol. , 2017, , .		6
81	Keynote 2: "Virtual and remote laboratories in control as a mean to provide experimentation activities in distance and blended learning scenarios", 2017, , .		0
82	Two Mobile Robots Platforms for Experimentation: Comparison and Synthesis. , 2017, , .		2
83	Measurable Disturbances Compensation: Analysis and Tuning of Feedforward Techniques for Dead-Time Processes. Processes, 2016, 4, 12.	2.8	6
84	Performance improvement of SISO linear control systems by hybrid state resetting and sector confinement of trajectories. International Journal of Robust and Nonlinear Control, 2016, 26, 4008-4034.	3.7	4
85	What remote labs can do for you. Physics Today, 2016, 69, 48-53.	0.3	43
86	ITSAE: A Set of Interactive Software Tools for Time Series Analysis Education [Lecture Notes]. IEEE Control Systems, 2016, 36, 112-120.	0.8	4
87	Automated experiments on EjsS laboratories. , 2016, , .		2
88	A new model for a remote connection with hardware devices using Javascript. , 2016, , .		1
89	Virtual Control Labs Experimentation: The Water Tank System. IFAC-PapersOnLine, 2016, 49, 87-92.	0.9	7
90	A new Model for a Remote Connection with Hardware Devices using Javascript**This work was supported in part by the Spanish Ministry of Economy and Competitiveness under Project DPI2012-31303.. IFAC-PapersOnLine, 2016, 49, 133-137.	0.9	3

#	ARTICLE	IF	CITATIONS
91	Updated Website and Links Repository of the IFAC's TC 9.4. IFAC-PapersOnLine, 2016, 49, 162-167. 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,	0.9	0

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109	Adding automatic evaluation to interactive virtual labs. Interactive Learning Environments, 2016, 24, 1456-1476.	6.4	11
110	Platform for Teaching Mobile Robotics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 131-143.	3.4	31
111	Performing Automated Experiments with EJS Laboratories. IFAC-PapersOnLine, 2015, 48, 134-139.	0.9	0
112	ITADLS: An Interactive Tool for Analysis and Design of Linear Systems. IFAC-PapersOnLine, 2015, 48, 253-258.	0.9	10
113	Virtual Laboratory of the Ball and Plate System. IFAC-PapersOnLine, 2015, 48, 152-157.	0.9	12
114	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
115	Nonlinear experiments : a saturation example. IFAC-PapersOnLine, 2015, 48, 200-204.	0.9	1
116	A novel approach for periodic event-triggering based on general quadratic functions. , 2015, , .		10
117	An interactive tool to introduce the waterbed effect. IFAC-PapersOnLine, 2015, 48, 259-264.	0.9	3
118	A new generation of online laboratories for teaching automatic control**This work has been funded by the National Plan Projects DPI2011-27818-C02-02 and DPI2012-31303 of the Spanish Ministry of Science and Innovation and FEDER funds.. IFAC-PapersOnLine, 2015, 48, 140-145.	0.9	5
119	Event-Based Control Strategy for Mobile Robots in Wireless Environments. Sensors, 2015, 15, 30076-30092.	3.8	22
120	A Robust \mathcal{H}_∞ Control for an UAV Flight Control System. Scientific World Journal, The, 2015, 2015, 1-11.		18
121	Closed-Loop Automatic Tuning Technique for an Event-Based PI Controller. Industrial & Engineering Chemistry Research, 2015, 54, 6362-6370.	3.7	14
122	Event-based GPC for multivariable processes. , 2015, , .		1
123	Stability of output event-based control systems through quadratic trigger functions. , 2015, , .		6
124	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
125	Event-based control for IPTD processes with simple tuning methods. , 2015, , .		1
126	Open and Low-Cost Virtual and Remote Labs on Control Engineering. IEEE Access, 2015, 3, 805-814.	4.2	109

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127	An Event-based PI controller autotuning technique for integral processes. , 2015, , .		5
128	Fast nonstationary filtering for adaptive weighing system. , 2015, , .		5
129	Interactivity-based control education: Some experiences at the University of C�rdoba. IFAC-PapersOnLine, 2015, 48, 37-42.	0.9	7
130	Understanding closed-loop identification with ITCLI. IFAC-PapersOnLine, 2015, 48, 739-744.	0.9	4
131	Interactive Education for Time-Domain Time Series Analysis using ITTSAE. IFAC-PapersOnLine, 2015, 48, 751-756.	0.9	1
132	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
133	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
134	Networked Mobile Robots: An Application Example of the Distributed Event-Based Control. , 2015, , 257-287.		1
135	Characterization and tuning of predictive SSOD-PI controllers. , 2015, , .		1
136	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
137	A virtual and remote lab of the two electric coupled drives system in the University Network of Interactive Laboratories. , 2015, , .		4
138	Event-based control strategy for the guidance of the Aerosonde UAV. , 2015, , .		5
139	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
140	3D Positioning Algorithm for Low Cost Mobile Robots. , 2015, , .		1
141	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
142	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
143	Design of event-based PI-P controllers using interactive tools. Control Engineering Practice, 2014, 32, 183-202.	5.5	9
144	An Interactive Tool for Outdoor Computer Controlled Cultivation of Microalgae in a Tubular Photobioreactor System. Sensors, 2014, 14, 4466-4483.	3.8	16

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145	Tuning of symmetric sendâ€onâ€delta proportionalâ€integral controllers. IET Control Theory and Applications, 2014, 8, 248-259.	2.1	35
146	Lagrange interpolation for signal reconstruction in event-based GPC. , 2014, , .		2
147	Experimental analysis of a remote event-based PID controller in a flexible link system. , 2014, , .		4
148	FUZZY LOGIC VS ANALYTIC CONTROLLERS ON A NON-LINEAR SYSTEM. , 2014, , .		1
149	Anticipative control design for output measurement in Internet-like Networks. , 2014, , .		2
150	PID Control. , 2014, , 1-11.		0
151	A SCORM based package model for WebLabs. , 2014, , .		2
152	Reset control systems with reset band: Well-posedness, limit cycles and stability analysis. Systems and Control Letters, 2014, 63, 1-11.	2.3	33
153	Making EJS applications at the OSP digital library available from Moodle. , 2014, , .		5
154	Two degree-of-freedom design for a send-on-delta sampling PI control strategy. Control Engineering Practice, 2014, 30, 55-66.	5.5	9
155	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
156	Distributed event-triggered control for non-reliable networks. Journal of the Franklin Institute, 2014, 351, 5250-5273.	3.4	32
157	A practical tuning methodology for event-based PI control. Journal of Process Control, 2014, 24, 278-295.	3.3	16
158	Distributed parameter estimation for adaptive event-triggered control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11685-11690.	0.4	2
159	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
160	ITCLI : An Interactive Tool for Closed-Loop Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12249-12254.	0.4	6
161	Event-based predictive control triggered by input and output deadband conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8116-8121.	0.4	0
162	Event-based PI controller with exponential thresholds. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5766-5771.	0.4	3

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163	An experimental framework to analyze limit cycles generated by event-based sampling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9051-9056.	0.4	4
164	Understanding PID design through interactive tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12243-12248.	0.4	17
165	Event-based controller for noisy environments. , 2014, , .		1
166	Web 2.0 Open Remote and Virtual Laboratories in Engineering Education. , 2014, , 559-580.		3
167	Development of an industrial boiler virtual lab for control education using Modelica. Computer Applications in Engineering Education, 2013, 21, 36-45.	3.4	12
168	Interactivity in education: An experience in the automatic control field. Computer Applications in Engineering Education, 2013, 21, 360-371.	3.4	47
169	Virtual and Remote Robotic Laboratory Using EJS, MATLAB and LabVIEW. Sensors, 2013, 13, 2595-2612.	3.8	79
170	Hybrid system modeling using the SIMANLib and ARENALib Modelica libraries. Simulation Modelling Practice and Theory, 2013, 37, 1-17.	3.8	6
171	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
172	Perspectives on control-relevant identification through the use of interactive tools. Control Engineering Practice, 2013, 21, 171-183.	5.5	15
173	A Remote Laboratory as an Innovative Educational Tool for Practicing Control Engineering Concepts. IEEE Transactions on Education, 2013, 56, 436-442.	2.4	60
174	Frequency domain properties of reset systems with multiple reset anticipations. IET Control Theory and Applications, 2013, 7, 796-809.	2.1	4
175	Providing collaborative support to virtual and remote laboratories. IEEE Transactions on Learning Technologies, 2013, 6, 312-323.	3.2	71
176	A Mobile Robots Experimental Environment with Event-Based Wireless Communication. Sensors, 2013, 13, 9396-9413.	3.8	28
177	Distributed event-based control strategies for interconnected linear systems. IET Control Theory and Applications, 2013, 7, 877-886.	2.1	90
178	An automatic tuning procedure for an event-based PI controller. , 2013, , .		8
179	Reducing communication and actuation in distributed control systems. , 2013, , .		4
180	Stability analysis of symmetric send-on-delta event-based control systems. , 2013, , .		11

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181	A Virtual Laboratory for Tubular Photobioreactors for Outdoor Microalgae Culture. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 297-302.	0.4	1
182	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
183	Development of interactive books for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 150-155.	0.4	7
184	An educational software to develop robot mapping and localization practices using visual information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 174-179.	0.4	0
185	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
186	Dynamic Modeling and Simulation Study of Falling Film Evaporation and Condensation. , 2013, , .		0
187	Remote pursuer-evader experiments with mobile robots in the Automatic Control Telelab. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 66-71.	0.4	5
188	Building process control simulations with Easy Java Simulations elements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 138-143.	0.4	2
189	Practical experiences on a real pumping system emulated by a hardware model and used as a remote laboratory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 339-344.	0.4	0
190	Improvements in BondLib, the Modelica Bond Graph Library. , 2013, , .		2
191	An Optimization Software Tool for Performance/Robustness Analysis and Tuning of PID Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 126-131.	0.4	4
192	Experimental study of two event-based PI controllers in a solar distributed collector field. , 2013, , .		2
193	Using Augmented Reality in Remote Laboratories. International Journal of Computers, Communications and Control, 2013, 8, 622.	1.8	15
194	A fully autonomous unmanned aerial vehicle landing controller synthesis: quantitative feedback theory and H _∞ technique comparison. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2012, 226, 281-293.	1.3	1
195	Distributed event-triggered control with network delays and packet losses. , 2012, , .		38
196	A new two degree-of-freedom event-based PI control strategy. , 2012, , .		1
197	Integrated virtual and remote lab for greenhouse climate control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 264-269.	0.4	0
198	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

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199	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
200	Synchronous collaboration between auto-generated WebGL applications and 3D virtual laboratories created with Easy Java Simulations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 160-165.	0.4	3
201	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
202	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
203	An Interactive Software Tool for the Study of Event-based PI Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 164-169.	0.4	4
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