

JesÃ³s ChacÃ³n SombrÃ³n-a

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

461
citations

933447

10
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Open and Low-Cost Virtual and Remote Labs on Control Engineering. IEEE Access, 2015, 3, 805-814.	4.2	109
2	Virtual and Remote Robotic Laboratory Using EJS, MATLAB and LabVIEW. Sensors, 2013, 13, 2595-2612.	3.8	79
3	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
4	Design of a Low-Cost Air Levitation System for Teaching Control Engineering. Sensors, 2017, 17, 2321.	3.8	34
5	Automatic Generation and Easy Deployment of Digitized Laboratories. IEEE Transactions on Industrial Informatics, 2020, 16, 7328-7337.	11.3	30
6	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
7	Open-Source Hardware in Education: A Systematic Mapping Study. IEEE Access, 2018, 6, 72094-72103.	4.2	22
8	Event-Based Control: A Bibliometric Analysis of Twenty Years of Research. IEEE Access, 2020, 8, 47188-47208.	4.2	20
9	Automated Assessment and Monitoring Support for Competency-Based Courses. IEEE Access, 2019, 7, 41043-41051.	4.2	18
10	A Study of Strategies for Developing Online Laboratories. IEEE Transactions on Learning Technologies, 2021, 14, 777-787.	3.2	12
11	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
12	An open software - open hardware lab of the air levitation system. IFAC-PapersOnLine, 2017, 50, 9168-9173.	0.9	9
13	A new architecture for the design of virtual/remote labs: The coupled drives system as a case of study. , 2019, , .		8
14	Developing web & TwinCAT PLC-based remote Control laboratories for modern web-browsers or mobile devices. , 2016, , .		7
15	Using IoT-Type Metadata and Smart Web Design to Create User Interfaces Automatically. IEEE Transactions on Industrial Informatics, 2023, 19, 3109-3118.	11.3	7
16	Enhancing EJS with Extension Plugins. Electronics (Switzerland), 2021, 10, 242.	3.1	6
17	A virtual and remote lab of the two electric coupled drives system in the University Network of Interactive Laboratories. , 2015, , .		4
18	Coupled tanks laboratory for teaching multivariable control concepts. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Using Server-Sent Events for Event-Based Control in Networked Control Systems. IFAC-PapersOnLine, 2019, 52, 260-265.	0.9	3
20	Using Server-Sent Events for Event-Based Control Laboratory Practices in Distance and Blended Learning. , 2019, , .		3
21	Design and development of a flexible control laboratory plant for educational purposes. , 2018, , .		2
22	Application of Teams of USVs for Cyanobacteria Monitoring: Initial Steps. IFAC-PapersOnLine, 2021, 54, 416-421.	0.9	1
23	Learning planar robotics with an open source online laboratory. IFAC-PapersOnLine, 2020, 53, 17222-17227.	0.9	1
24	Virtual laboratory of a Spider Crane: An implementation based on an interoperability protocol. , 2016, , .		0
25	Sizing and placement model of energy storage systems in an interactive simulation tool for power distribution networks. , 2018, , .		0