

Ruben Heradio

List of Publications by Year in descending order

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61
papers

1,466
citations

390418

18
h-index

307960

37
g-index

63
all docs

63
docs citations

63
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Finding Near-optimal Configurations in Colossal Spaces with Statistical Guarantees. ACM Transactions on Software Engineering and Methodology, 2024, 33, 1-36.	6.1	4
2	A Pragmatic Framework for Assessing Learning Outcomes in Competency-Based Courses. IEEE Transactions on Education, 2024, 67, 224-233.	2.8	0
3	Pragmatic Random Sampling of the Linux Kernel: Enhancing the Randomness and Correctness of the conf Tool. , 2024, , 24-35.		0
4	Using IoT-Type Metadata and Smart Web Design to Create User Interfaces Automatically. IEEE Transactions on Industrial Informatics, 2023, 19, 3109-3118.	12.0	9
5	Teaching automation with Factory I/O under a competency-based curriculum. Multimedia Tools and Applications, 2023, 82, 19221-19246.	4.2	6
6	A bibliometric analysis of off-line handwritten document analysis literature (1990â€“2020). Pattern Recognition, 2022, 125, 108513.	8.4	7
7	Uniform and scalable sampling of highly configurable systems. Empirical Software Engineering, 2022, 27, 1.	4.1	15
8	Scalable Sampling of Highly-Configurable Systems: Generating Random Instances of the Linux Kernel. , 2022, , .		2
9	Product Optimization in Stepwise Design. Lecture Notes in Computer Science, 2021, , 63-81.	2.0	1
10	Inconsistency-Tolerating Guidance for Software Engineering Processes. , 2021, , .		6
11	Automated Support for Battle Operationalâ€“Strategic Decision-Making. Mathematics, 2021, 9, 1534.	2.3	1
12	Monte Carlo tree search for feature model analyses. , 2021, , .		7
13	Evidence-Based Control Engineering Education: Evaluating the LCS D Simulation Tool. IEEE Access, 2020, 8, 170183-170194.	4.4	9
14	Using Extended Logical Primitives for Efficient BDD Building. Mathematics, 2020, 8, 1253.	2.3	5
15	Group Decision-Making Based on Artificial Intelligence: A Bibliometric Analysis. Mathematics, 2020, 8, 1566.	2.3	8
16	Event-Based Control: A Bibliometric Analysis of Twenty Years of Research. IEEE Access, 2020, 8, 47188-47208.	4.4	24
17	Uniform and scalable SAT-sampling for configurable systems. , 2020, , .		14
18	Rough Sets: A Bibliometric Analysis from 2014 to 2018. Annual Hawaii International Conference on System Sciences, Proceedings of the, 2020, , .	1.0	2

#	ARTICLE	IF	CITATIONS
19	Supporting the Statistical Analysis of Variability Models. , 2019, , .		12
20	Automated Assessment of Computer Programming Practices: The 8-Years UNED Experience. IEEE Access, 2019, 7, 130113-130119.	4.4	24
21	A Kconfig Translation to Logic with One-Way Validation System. , 2019, , .		11
22	Automated Assessment and Monitoring Support for Competency-Based Courses. IEEE Access, 2019, 7, 41043-41051.	4.4	22
23	Looking Over the Research Literature on Software Engineering from 2016 to 2018. Procedia Computer Science, 2019, 162, 712-719.	2.1	0
24	PuzzlEx: an Online Experimentation Environment for Control Engineering Labs. , 2019, , .		6
25	Customized Online Laboratory Experiments: A General Tool and Its Application to the Furuta Inverted Pendulum [Focus on Education]. IEEE Control Systems, 2019, 39, 75-87.	1.0	26
26	Web Experimentation on Virtual and Remote Laboratories. Lecture Notes in Networks and Systems, 2018, , 205-219.	0.2	0
27	Open-Source Hardware in Education: A Systematic Mapping Study. IEEE Access, 2018, 6, 72094-72103.	4.4	27
28	Conducting Online Lab Experiments with Blockly. IFAC-PapersOnLine, 2017, 50, 13474-13479.	0.9	6
29	Blockly experiments for EjsS laboratories. , 2017, , .		3
30	Automated experiments on EjsS laboratories. , 2016, , .		2
31	Virtual Control Labs Experimentation: The Water Tank System. IFAC-PapersOnLine, 2016, 49, 87-92.	0.9	7
32	Virtual and remote labs in control education: A survey. Annual Reviews in Control, 2016, 42, 1-10.	8.3	141
33	A bibliometric analysis of 20 years of research on software product lines. Information and Software Technology, 2016, 72, 1-15.	4.6	62
34	Virtual and remote labs in education: A bibliometric analysis. Computers and Education, 2016, 98, 14-38.	8.8	373
35	Augmenting measure sensitivity to detect essential, dispensable and highly incompatible features in mass customization. European Journal of Operational Research, 2016, 248, 1066-1077.	5.9	65
36	Performing Automated Experiments with EjsS Laboratories. IFAC-PapersOnLine, 2015, 48, 134-139.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Enhancing web-based labs in Moodle by providing automatic support for different types of files. , 2015, , ,		0
38	Efficient Identification of Core and Dead Features in Variability Models. IEEE Access, 2015, 3, 2333-2340.	4.4	9
39	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.	12.0	99
40	A Science Mapping Analysis of the Literature on Software Product Lines. Communications in Computer and Information Science, 2015, , 242-251.	0.0	3
41	Speeding up Derivative Configuration from Product Platforms. Entropy, 2014, 16, 3329-3356.	2.3	53
42	Making EJS applications at the OSP digital library available from Moodle. , 2014, , ,		7
43	A Scalable Approach to Exact Model and Commonality Counting for Extended Feature Models. IEEE Transactions on Software Engineering, 2014, 40, 895-910.	5.9	23
44	Direction Kernels: using a simplified 3D model representation for grasping. Machine Vision and Applications, 2013, 24, 351-370.	2.9	2
45	A fuzzy linguistic model to evaluate the quality of Library 2.0 functionalities. International Journal of Information Management, 2013, 33, 642-654.	18.5	35
46	Providing collaborative support to virtual and remote laboratories. IEEE Transactions on Learning Technologies, 2013, 6, 312-323.	3.4	76
47	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
48	A LITERATURE REVIEW ON FEATURE DIAGRAM PRODUCT COUNTING AND ITS USAGE IN SOFTWARE PRODUCT LINE ECONOMIC MODELS. International Journal of Software Engineering and Knowledge Engineering, 2013, 23, 1177-1204.	0.9	15
49	Managing RFID Sensors Networks with a General Purpose RFID Middleware. Sensors, 2012, 12, 7719-7737.	4.0	20
50	Synchronous Collaboration with Virtual and Remote Labs in Moodle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 270-275.	0.4	3
51	A review of quality evaluation of digital libraries based on users'™ perceptions. Journal of Information Science, 2012, 38, 269-283.	3.2	64
52	Exemplar driven development of software product lines. Expert Systems With Applications, 2012, 39, 12885-12896.	7.9	57
53	Physics Experiments at the UNEDLabs Portal. International Journal of Online and Biomedical Engineering, 2012, 8, 26.	1.4	6
54	Improving the accuracy of COPLIMO to estimate the payoff of a software product line. Expert Systems With Applications, 2012, 39, 7919-7928.	7.9	61

#	ARTICLE	IF	CITATIONS
55	Understanding the role of conceptual relations in Word Sense Disambiguation. Expert Systems With Applications, 2011, 38, 9506-9516.	7.9	11
56	DEPCAS: An industrial approach to RFID middleware. , 2010, , .		1
57	Man Machine Interface in RFID Middleware: DEPCAS User Interface. , 2009, , .		1
58	A first-generation software product line for data acquisition systems in astronomy. Proceedings of SPIE, 2008, , .	1.0	1
59	Implementing EPCIS with DEPCAS RFID Middleware. , 2008, , .		1
60	Machine Learning for Software Engineering: a Bibliometric Analysis from 2015 to 2019. , 0, , .		1
61	Teaching Control supported by Virtual Labs under a Competency-based curriculum. , 0, , .		1