Heinz-Dietrich Wuttke

List of Publications by Year
in descending order

67	338	1478458 6	1281846 11
papers	citations	h-index	g-index

73	73	73	169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart Innovative Engineering for Smart Agriculture Modernization. Lecture Notes in Networks and Systems, 2022, , 155-163.	0.7	1
2	Expanding the Remote Experiment Set with the 3Axis Portal Physical Model. International Journal of Online and Biomedical Engineering, 2022, 18, 21-30.	1.4	0
3	Virtual Environments for Smart House System Studying. Advances in Intelligent Systems and Computing, 2021, , 569-576.	0.6	1
4	A Hybrid Online Laboratory for Basic STEM Education. Smart Innovation, Systems and Technologies, 2021, , 29-39.	0.6	5
5	Big Data Analytics APIs Architecture for Formative Assessors. , 2021, , .		2
6	Digital Twins in Remote Labs. Lecture Notes in Networks and Systems, 2020, , 289-297.	0.7	8
7	The Remote Experimentation as the Practical-Oriented Basis of Inclusive Engineering Education. International Journal of Online and Biomedical Engineering, 2019, 15, 4.	1.4	2
8	Virtual Model for Remote Laboratory Smart House & IoT. , 2019, , .		2
9	Automatic Classifiers for Formative Assessment. , 2019, , .		4
10	Interactive Content Objects for Learning Digital Systems Design. Advances in Intelligent Systems and Computing, 2019, , 59-69.	0.6	3
11	On Effective Maintenance of Distributed Remote Laboratories. Lecture Notes in Networks and Systems, 2019, , 80-89.	0.7	3
12	Enabling Remote PLC Training Using Hardware Models. Lecture Notes in Networks and Systems, 2019, , 323-332.	0.7	1
13	A Framework for Analyzing and Evaluating Architectures and Control Strategies in Distributed Remote Laboratories. IEEE Transactions on Learning Technologies, 2018, 11, 441-455.	3.2	17
14	FSM in the Black Box for the Remote Lab. , 2018, , .		1
15	Cognitive remote laboratories for studying the elements of the smart industry. , 2018, , .		2
16	The remote labs as an effective tool of inclusive engineering education. , 2018, , .		3
17	The Augmented Functionality of the Physical Models of Objects of Study for Remote Laboratories. Lecture Notes in Networks and Systems, 2018, , 151-159.	0.7	5
18	Prospects for constructing remote laboratories for the study of cognitive systems. , 2017, , .		2

#	Article	IF	Citations
19	Gift â€“ An Integrated Development and Training System for Finite State Machine Based Approaches. International Journal of Online Engineering, 2017, 13, 147.	0.5	3
20	GOLDi â€“ Grid of Online Lab Devices Ilmenau. International Journal of Online Engineering, 2016, 12, 11.	0.5	23
21	Automated testing of physical models in remote laboratories by control event streams. , 2016, , .		4
22	A Configurable Test-Processor for Board-Level Testing. , 2016, , .		1
23	GOLDi â€” Grid of online lab devices Ilmenau: Demonstration of online experimentation. , 2016, , .		0
24	The remote lab cloud "GOLDi-labs.net". , 2016, , .		25
25	GOLDi â€” Grid of online lab devices Ilmenau: Demonstration of online experimentation. , 2015, , .		4
26	Learning analytics in online remote labs. , 2015, , .		8
27	Safety in Interactive Hybrid Online Labs. International Journal of Online and Biomedical Engineering, 2015, 11, 56.	1.4	3
28	Integration of Remote and Virtual Laboratories in the Educational Process. International Journal of Online and Biomedical Engineering, 2015, 11, 62.	1.4	5
29	Integration of remote and virtual laboratories in the educational process. , 2015, , .		10
30	Safety in Interactive Hybrid Online Labs. , 2015, , .		3
31	PANDA - A Platform for Open Learning Analytics. , 2015, , .		1
32	Using Interactive Hybrid Online Labs for Rapid Prototyping of Digital Systems. International Journal of Online and Biomedical Engineering, 2014, 10, 57.	1.4	4
33	Automated Design Error Localization in RTL Designs. IEEE Design and Test, 2014, 31, 83-92.	1.2	8
34	Using Interactive Hybrid Online Labs for rapid prototyping of digital systems. , 2014, , .		11
35	Modeling timing constraints for automatic generation of embedded test instruments. , 2014, , .		2
36	ISA configurability of an FPGA test-processor used for board-level interconnection testing. , 2013, , .		2

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37	Assessment 3.0 meets engineering sciences. , 2013, , .		3
38	E-assessment meets personalization. , 2013, , .		6
39	Fields of applications for hybrid online labs. , 2013, , .		22
40	Adaptive Test System to Improve PCB Testing in the Automotive Industry. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2013, 6, 294-300.	0.3	1
41	E-learning in engineering studies - experience of the Ilmenau University of Technology. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	1
42	An Adaptation Model for Personalized E-Assessments. International Journal of Emerging Technologies in Learning, 2013, 8, 5.	1.3	5
43	Fields of Applications for Hybrid Online Labs. International Journal of Online and Biomedical Engineering, 2013, 9, 20.	1.4	12
44	A Concept for a Flexible and Scalable Infrastructure for Remote Laboratories. Communications in Computer and Information Science, 2012, , 13-24.	0.5	9
45	Automatic generation of an FPGA based embedded test system for printed circuit board testing. , 2012, , .		12
46	Localization of Bugs in Processor Designs Using zamiaCAD Framework. , 2012, , .		4
47	A grid concept for reliable, flexible and robust remote engineering laboratories. , 2012, , .		9
48	Towards a High-Level Integration of Interactive Tools with E-assessments. , 2012, , .		7
49	A Grid Concept for Reliable, Flexible and Robust Remote Engineering Laboratories. International Journal of Online and Biomedical Engineering, 2012, 8, 42.	1.4	2
50	An Online Lab to support a Master Program in Remote Engineering. , 2011, , .		7
51	An online lab to support a master program in remote engineering. , 2011, , .		13
52	Architecture of an Adaptive Test System Built on FPGAs. Lecture Notes in Computer Science, 2011, , 86-97.	1.3	5
53	Remote and Virtual Laboratories in Problem-Based Learning Scenarios. , 2010, , .		5
54	Test Pattern Dependent FPGA Based System Architecture for JTAG Tests. , 2010, , .		1

#	Article	IF	Citations
55	Diagnozer: A laboratory tool for teaching research in diagnosis of electronic systems. , 2009, , .		1
56	Teaching research in the laboratory using diagnosis environment for digital systems. , 2009, , .		0
57	Learning management systems. Interactive Technology and Smart Education, 2009, 6, 97-107.	5.6	0
58	Teaching digital test with BIST analyzer. , 2008, , .		2
59	LMS-Coupled Simulations and Assessments in a Digital Systems Course. , 2008, , .		4
60	The synthesis level in Bloom’s Taxonomy — a nightmare for an LMS. , 2008, , .		1
61	Diagnostic modeling of microprocessors with high-level decision diagrams. , 2008, , .		0
62	BIST analyzer: A training platform for SoC testing. , 2007, , .		2
63	A Workflow to Produce and Reuse Learning Objects. , 2006, , .		0
64	Action-Based Learning System for Teaching Digital Electronics and Test. , 2000, , 107-110.		3
65	The Dildis-project-using applets for more demonstrative lectures in digital systems design and test. , 0, , .		6
66	Internet-based software for teaching test of digital circuits. , 0, , .		5
67	Teaching Advanced Test Issues in Digital Electronics. , 0, , .		0