Goiuria Sagardui

List of Publications by Year
in descending order

62 papers	552 citations	1039880 9 h-index	940416 16 g-index
63 all docs	63 docs citations	63 times ranked	328 citing authors

#	Article	IF	Citations
1	Search-Based test case prioritization for simulation-Based testing of cyber-Physical system product lines. Journal of Systems and Software, 2019, 149, 1-34.	3.3	41
2	Variability Driven Quality Evaluation in Software Product Lines. , 2008, , .		35
3	Spectrum-based fault localization in software product lines. Information and Software Technology, 2018, 100, 18-31.	3.0	31
4	Pareto efficient multi-objective black-box test case selection for simulation-based testing. Information and Software Technology, 2019, 114, 137-154.	3.0	29
5	Automatic generation of test system instances for configurable cyber-physical systems. Software Quality Journal, 2017, 25, 1041-1083.	1.4	28
6	Search-based test case generation for Cyber-Physical Systems. , 2017, , .		24
7	Employing Multi-Objective Search to Enhance Reactive Test Case Generation and Prioritization for Testing Industrial Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1055-1066.	7.2	24
8	Search-based test case selection of cyber-physical system product lines for simulation-based validation. , 2016, , .		23
9	Test Case Prioritization of Configurable Cyber-Physical Systems with Weight-Based Search Algorithms. , 2016, , .		22
10	Multi-objective black-box test case selection for cost-effectively testing simulation models. , 2018, , .		22
11	Context-Aware Staged Configuration of Process Variants@Runtime. Lecture Notes in Computer Science, 2014, , 241-255.	1.0	20
12	Quality aware software product line engineering. Journal of the Brazilian Computer Society, 2008, 14, 57-69.	0.8	18
13	Evaluation of Quality Attribute Variability in Software Product Families. , 2008, , .		17
14	Product-Line Architecture: New Issues for Evaluation. Lecture Notes in Computer Science, 2005, , 174-185.	1.0	16
15	QoS-aware Metamorphic Testing: An Elevation Case Study. , 2020, , .		16
16	Performance-based selection of software and hardware features under parameter uncertainty. , 2014, , .		14
17	Towards a Taxonomy for Eliciting Design-Operation Continuum Requirements of Cyber-Physical Systems. , 2020, , .		14
18	Product Line Engineering of Monitoring Functionality in Industrial Cyber-Physical Systems. , 2017, , .		10

#	Article	IF	Citations
19	Towards a DevOps Approach in Cyber Physical Production Systems Using Digital Twins. Lecture Notes in Computer Science, 2020, , 205-216.	1.0	9
20	Seeding strategies for multi-objective test case selection. , 2020, , .		9
21	Test control algorithms for the validation of cyber-physical systems product lines. , 2015, , .		8
22	Search-based product line fault detection allocating test cases iteratively. , 2017, , .		8
23	Industrial Cyber-Physical System Evolution Detection and Alert Generation. Applied Sciences (Switzerland), 2019, 9, 1586.	1.3	8
24	MARTE Mechanisms to Model Variability When Analyzing Embedded Software Product Lines. Lecture Notes in Computer Science, 2010, , 466-470.	1.0	7
25	Process Flexibility in Service Orchestration: A Systematic Literature Review. International Journal of Cooperative Information Systems, 2014, 23, 1430001.	0.6	7
26	Run-Time Variability for Context-Aware Smart Workflows. IEEE Software, 2015, 32, 52-60.	2.1	7
27	Multiplex: A co-simulation architecture for elevators validation. , 2017, , .		7
28	A Tool for the Automatic Generation of Test Cases and Oracles for Simulation Models Based on Functional Requirements. , 2020, , .		7
29	Some Seeds Are Strong: Seeding Strategies for Search-based Test Case Selection. ACM Transactions on Software Engineering and Methodology, 2023, 32, 1-47.	4.8	7
30	Variability Management in Embedded Product Line Analysis. , 2010, , .		6
31	Model based analysis process for embedded software product lines. , 2011, , .		6
32	Quality Assessment in Software Product Lines. Lecture Notes in Computer Science, 2008, , 178-181.	1.0	6
33	A Configurable Validation Environment for Refactored Embedded Software: An Application to the Vertical Transport Domain. , 2017, , .		5
34	Quantifying Maintainability in Feature Oriented Product Lines. Software Maintenance and Reengineering (CSMR), Proceedings of the European Conference on, 2008, , .	0.0	4
35	Towards the automatic generation and management of plant models for the validation of highly configurable cyber-physical systems. , 2014, , .		4
36	Process Variability through Automated Late Selection of Fragments. Lecture Notes in Computer Science, 2013, , 371-385.	1.0	4

#	Article	IF	Citations
37	A CAN Restbus HiL Elevator Simulator Based on Code Reuse and Device Para-Virtualization. , 2017, , .		3
38	TRILATERAL: A Model-Based Approach for Industrial CPS â€“ Monitoring and Control. Communications in Computer and Information Science, 2020, , 376-398.	0.4	3
39	Test case selection using structural coverage in software product lines for time-budget constrained scenarios. , 2019, , .		3
40	Machine learningâ€based test oracles for performance testing of cyberâ€physical systems: An industrial case study on elevators dispatching algorithms. Journal of Software: Evolution and Process, 0, , .	1.2	3
41	Embedded software product lines: domain and application engineering model-based analysis processes. Journal of Software: Evolution and Process, 2014, 26, 419-433.	1.2	2
42	Enabling co-simulation of smart energy control systems for buildings and districts. , 2017, , .		2
43	Runtime observable and adaptable UML state machines. , 2019, , .		2
44	GSN Support of Mixed-Criticality Systems Certification. Lecture Notes in Computer Science, 2017, , 157-172.	1.0	1
45	Model-Based Personalized Visualization System for Monitoring Evolving Industrial Cyber-Physical System. , 2018, , .		1
46	Employing multi-objective search to enhance reactive test generation and prioritization for testing industrial cyber-physical systems. , 2018, , .		1
47	White-box and black-box test quality metrics for configurable simulation models. , 2019, , .		1
48	Dynamic test prioritization of product lines: An application on configurable simulation models. Software Quality Journal, 2021, 29, 943.	1.4	1
49	Composition Management Interfaces for a Predictable Assembly. Lecture Notes in Computer Science, 2007, , 81-96.	1.0	1
50	Model Transformation by Example Driven ATL Transformation Rules Development Using Model Differences. Communications in Computer and Information Science, 2015, , 113-130.	0.4	1
51	Increasing Dependability in Safety Critical CPSs Using Reflective Statecharts. Lecture Notes in Computer Science, 2017, , 114-126.	1.0	1
52	VIRTUAL COMMISSIONING IN MACHINE TOOL MANUFACTURING: A SURVEY FROM INDUSTRY. Dyna (Spain), 2021, 96, 612-619.	0.1	1
53	CRESCO Framework and Checker: Automatic generation of Reflective UML State Machineâ€™s C++ Code and Checker. , 2020, , .		1
54	CITA 2009, JISBD 2009, TELECOM I+D 2009. IEEE Latin America Transactions, 2010, 8, 107-110.	1.2	0

#	Article	IF	Citations
55	Dynamic variability support in workflow-based systems. , 2015, , .		0
56	Two-Step Transformation of Model Traversal EOL Queries for Large CDO Repositories. Lecture Notes in Computer Science, 2016, , 141-157.	1.0	0
57	Delta Rhapsody. Incose International Symposium, 2016, 26, 25-41.	0.2	0
58	Action Research for Improving System Engineering Teaching in Embedded Systems Master. , 2017, , .		0
59	Extended Abstract of "Spectrum-Based Fault Localization in Software Product Lines". , 2019, , .		0
60	Transevol - A Tool to Evolve Legacy Model Transformations by Example. , 2014, , .		0
61	Supporting CRUD Model Operations from EOL to SQL. , 2016, , .		0
62	DIGITAL SAFETY MANAGER: IOT SERVICE TO ASSURE THE SAFE BEHAVIOUR OF MACHINES AND CONTROLS IN THE DIGITAL INDUSTRY. Dyna (Spain), 2022, 97, 18-22.	0.1	0