Malte Lochau

List of Publications by Year
in descending order

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38 papers	529 citations	1478505 6 h-index	1058476 14 g-index
40 all docs	40 docs citations	40 times ranked	319 citing authors

#	Article	IF	Citations
1	Static Analysis Techniques for Efficient Consistency Checking of Real-Time-Aware DSPL Specifications. , 2021, , .		3
2	Stability of Product-Line Samplingin Continuous Integration. , 2021, , .		11
3	CPA/Tiger-MGP: test-goal set partitioning for efficient multi-goal test-suite generation. International Journal on Software Tools for Technology Transfer, 2020, , 1.	1.9	4
4	Real-time-aware reconfiguration decisions for dynamic software product lines. , 2020, , .		6
5	Testing Conformance in Multi-component Enterprise Application Management. Lecture Notes in Computer Science, 2020, , 3-18.	1.3	1
6	Compositional Liveness-Preserving Conformance Testing of Timed I/OÂAutomata. Lecture Notes in Computer Science, 2020, , 147-169.	1.3	1
7	Parametric Timed Bisimulation. Lecture Notes in Computer Science, 2020, , 55-71.	1.3	1
8	Measuring effectiveness of sample-based product-line testing. ACM SIGPLAN Notices, 2020, 53, 119-133.	0.2	1
9	Model-Based Round-Trip Engineering and Testing of Evolving Software Product Lines. , 2019, , 141-173.		0
10	Minimum/maximum delay testing of product lines with unbounded parametric real-time constraints. Journal of Systems and Software, 2019, 149, 535-553.	4.5	7
11	Sampling strategies for product lines with unbounded parametric real-time constraints. International Journal on Software Tools for Technology Transfer, 2019, 21, 613-633.	1.9	3
12	Modal transition system encoding of featured transition systems. Journal of Logical and Algebraic Methods in Programming, 2019, 106, 1-28.	0.5	5
13	Unifying modal interface theories and compositional input/output conformance testing. Science of Computer Programming, 2019, 172, 27-47.	1.9	4
14	Effective product-line testing using similarity-based product prioritization. Software and Systems Modeling, 2019, 18, 499-521.	2.7	71
15	Measuring effectiveness of sample-based product-line testing. , 2018, , .		1
16	Controlling the Attack Surface of Object-Oriented Refactorings. Lecture Notes in Computer Science, 2018, , 38-55.	1.3	3
17	Graph-Rewriting Petri Nets. Lecture Notes in Computer Science, 2018, , 79-96.	1.3	3
18	Specification and automated validation of staged reconfiguration processes for dynamic software product lines. Software and Systems Modeling, 2017, 16, 125-152.	2.7	15

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19	Modeling and Testing Product Lines with Unbounded Parametric Real-Time Constraints. , 2017, , .		18
20	Compositionality, Decompositionality and Refinement in Input/Output Conformance Testing. Lecture Notes in Computer Science, 2017, , 54-72.	1.3	3
21	IncLing: efficient product-line testing using incremental pairwise sampling. , 2016, , .		39
22	Continuous detection of design flaws in evolving object-oriented programs using incremental multi-pattern matching. , 2016, , .		11
23	Incremental model checking of delta-oriented software product lines. Journal of Logical and Algebraic Methods in Programming, 2016, 85, 245-267.	0.5	23
24	Fault-based product-line testing. , 2015, , .		21
25	Facilitating Reuse in Multi-goal Test-Suite Generation for Software Product Lines. Lecture Notes in Computer Science, 2015, , 84-99.	1.3	20
26	Staged configuration of dynamic software product lines with complex binding time constraints. , 2014, , .		16
27	Towards incremental test suite optimization for software product lines. , 2014, , .		4
28	Applying Model-based Software Product Line Testing Approaches to the Automation Engineering Domain. Automatisierungstechnik, 2014, 62, 771-780.	0.8	18
29	Automated verification of feature model configuration processes based on workflow Petri nets. , 2014, , .		3
30	Similarity-based prioritization in software product-line testing. , 2014, , .		60
31	Multi-objective Test Suite Optimization for Incremental Product Family Testing. , 2014, , .		31
32	Model-Based Testing. Lecture Notes in Computer Science, 2014, , 310-342.	1.3	5
33	Context-aware DSPLs. , 2013, , .		28
34	Dynamic configuration management of cloud-based applications. , 2012, , .		43
35	Reducing feature models to improve runtime adaptivity on resource limited devices. , 2012, , .		5
36	Multi-perspectives on Feature Models. Lecture Notes in Computer Science, 2012, , 252-268.	1.3	27

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37	Towards an I/O Conformance Testing Theory for Software Product Lines based on Modal Interface Automata. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 182, 1-13.	0.8	5
38	Compositional testing of management conformance for multi-component enterprise applications. Service Oriented Computing and Applications, 0, , .	1.6	1