Brahim Hamid

List of Publications by Year
in descending order

53	292	1040018 9	1125717 13
papers	citations	h-index	g-index

57	57	57	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Software Design Trends Supporting Multiconcern Assurance. IEEE Software, 2022, 39, 22-26.	1.8	1
2	Specification, detection, and treatment of STRIDE threats for software components: Modeling, formal methods, and tool support. Journal of Systems Architecture, 2021, 117, 102073.	4.3	21
3	Multi-layered Model-based Design Approach towards System Safety and Security Co-engineering. , 2021, , .		5
4	Formal specification and verification of reusable communication models for distributed systems architecture. Future Generation Computer Systems, 2020, 108, 178-197.	7.5	10
5	Reusable Formal Models for Threat Specification, Detection, and Treatment. Lecture Notes in Computer Science, 2020, , 52-68.	1.3	0
6	Distributed Maintenance of a Spanning Tree of k-Connected Graphs. , 2019, , .		0
7	A Formal Methods Approach to Security Requirements Specification and Verification. , 2019, , .		10
8	Engineering secure systems: Models, patterns and empirical validation. Computers and Security, 2018, 77, 315-348.	6.0	15
9	Formalizing Reusable Communication Models for Distributed Systems Architecture. Lecture Notes in Computer Science, 2018, , 198-216.	1.3	3
10	A model-driven approach for developing a model repository: Methodology and tool support. Future Generation Computer Systems, 2017, 68, 473-490.	7.5	4
11	Two safety patterns. , 2017, , .		2
12	Assessment of the SEMCO Model-Based Repository Approach for Software SystemÂEngineering. Lecture Notes in Computer Science, 2017, , 111-125.	1.3	0
13	Guiding the Selection of Security Patterns for Real-Time Systems. , 2016, , .		5
14	Towards a Methodological Tool Support for Modeling Security-Oriented Processes. Lecture Notes in Computer Science, 2016, , 31-41.	1.3	1
15	Supporting pattern-based dependability engineering via model-driven development: Approach, tool-support and empirical validation. Journal of Systems and Software, 2016, 122, 239-273.	4.5	15
16	Model-Based Real-Time Evaluation of Security Patterns: A SCADA System Case Study. Lecture Notes in Computer Science, 2016, , 375-389.	1.3	4
17	A Model Repository Description Language - MRDL. Lecture Notes in Computer Science, 2016, , 350-367.	1.3	3
18	Security patterns modeling and formalization for pattern-based development of secure software systems. Innovations in Systems and Software Engineering, 2016, 12, 109-140.	2.1	22

#	Article	IF	Citations
19	Interplay of Security&Dependability and Resource Using Model-Driven and Pattern-Based Development. , 2015, , .		2
20	Guiding the selection of security patterns based on security requirements and pattern classification. , 2015, , .		11
21	A pattern for network functions virtualization. , 2015, , .		9
22	Security Concepts as Add-On for Process Models. , 2015, , .		1
23	Process and tool support for design patterns with safety requirements. , 2015, , .		1
24	Development of reconfigurable distributed embedded systems with a modelâ€driven approach. Concurrency Computation Practice and Experience, 2015, 27, 1391-1411.	2.2	10
25	A Modeling and Formal Approach for the Precise Specification of Security Patterns. Lecture Notes in Computer Science, 2014, , 95-112.	1.3	9
26	A Model-Driven Methodology Approach for Developing a Repository of Models. Lecture Notes in Computer Science, 2014, , 29-44.	1.3	2
27	Model-Based Specification and Validation of Security and Dependability Patterns. Lecture Notes in Computer Science, 2014, , 65-82.	1.3	0
28	Towards tool support for pattern-based secure and dependable systems development. , 2013, , .		3
29	A model-based repository of security and dependability patterns for trusted RCES. , 2013, , .		1
30	Model-Driven Engineering for Trusted Embedded Systems Based on Security and Dependability Patterns. Lecture Notes in Computer Science, 2013, , 72-90.	1.3	5
31	A methodology for integration of patterns with validation purpose. , 2012, , .		5
32	Safety Lifecycle Development Process Modeling for Embedded Systems - Example of Railway Domain. Lecture Notes in Computer Science, 2012, , 63-75.	1.3	6
33	A Model-Driven Engineering Framework for Fault Tolerance in Dependable Embedded Systems Design. , 2012, , .		5
34	An MDE-Based Approach for Reconfigurable DRE Systems. , 2012, , .		2
35	Design-Time Verification of Reconfigurable Real-time Embedded Systems. , 2012, , .		2
36	A Middleware for Reconfigurable Distributed Real-Time Embedded Systems. Studies in Computational Intelligence, 2012, , 81-96.	0.9	5

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37	Towards a Security and Dependability Pattern Development Technique for Resource Constrained Embedded Systems. Lecture Notes in Business Information Processing, 2012, , 193-204.	1.0	1
38	Towards a Model-Based Approach for Reconfigurable DRE Systems. Lecture Notes in Computer Science, 2011, , 295-302.	1.3	15
39	Towards variability support for security and dependability patterns. , 2011, , .		2
40	Towards a Unified Meta-model for Resources-Constrained Embedded Systems. , 2011, , .		11
41	Enforcing S&D Pattern Design in RCES with Modeling and Formal Approaches. Lecture Notes in Computer Science, 2011, , 319-333.	1.3	12
42	First Experiment on Modeling Safety LifeCycle Process in Railway Systems. International Journal of Dependable and Trustworthy Information Systems, 2011, 2, 17-39.	0.1	1
43	Model-based security and dependability patterns in RCES. , 2010, , .		10
44	Model-based engineering for dynamic reconfiguration in DRTES. , 2010, , .		4
45	Designing dynamic reconfiguration for distributed real time embedded systems. , 2010, , .		4
46	An Environment for Design Software and Hardware Aspects of Clock Synchronization and Communication in DRTES. , 2010, , .		0
47	Towards the integration of advanced engineering paradigms into RCES. , 2010, , .		0
48	A Fault-tolerance Framework for Distributed Component Systems. Euromicro Conference, Proceedings, 2008, , .	0.0	5
49	Distributed Local 2-Connectivity Test of Graphs and Applications. Lecture Notes in Computer Science, 2007, , 195-207.	1.3	1
50	A Self-stabilizing Distributed Algorithm for Resolving Conflicts. Lecture Notes in Computer Science, 2007, , 1042-1051.	1.3	0
51	A Local Self-stabilizing Enumeration Algorithm. Lecture Notes in Computer Science, 2006, , 289-302.	1.3	1
52	A Local Enumeration Protocol in Spite of Corrupted Data. Journal of Computers, 2006, 1, .	0.4	0
53	A Formal Model for Fault-Tolerance in Distributed Systems. Lecture Notes in Computer Science, 2005, , 108-121.	1.3	1