

Khaled El-Fakih

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

585
citations

933447

10
h-index

642732

23
g-index

40
all docs

40
docs citations

40
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Scheduling Internet of Things requests to minimize latency in hybrid Fog-Cloud computing. Future Generation Computer Systems, 2020, 111, 539-551.	7.5	147
2	FSM-based conformance testing methods: A survey annotated with experimental evaluation. Information and Software Technology, 2010, 52, 1286-1297.	4.4	128
3	An Integer Linear Programming model and Adaptive Genetic Algorithm approach to minimize energy consumption of Cloud computing data centers. Computers and Electrical Engineering, 2018, 67, 551-565.	4.8	45
4	On adaptive experiments for nondeterministic finite state machines. International Journal on Software Tools for Technology Transfer, 2016, 18, 251-264.	1.9	26
5	Experimental evaluation of FSM-based testing methods. , 2005, , .		25
6	Studying the separability relation between finite state machines. Software Testing Verification and Reliability, 2007, 17, 227-241.	2.0	21
7	Protocol synthesis and re-synthesis with optimal allocation of resources based on extended Petri nets. Distributed Computing, 2003, 16, 21-35.	0.8	15
8	Adaptive Homing and Distinguishing Experiments for Nondeterministic Finite State Machines. Lecture Notes in Computer Science, 2013, , 33-48.	1.3	15
9	Fault Diagnosis in Extended Finite State Machines. Lecture Notes in Computer Science, 2003, , 197-210.	1.3	14
10	A GA-based movie-on-demand platform using multiple distributed servers. Multimedia Tools and Applications, 2008, 40, 361-383.	3.9	13
11	Distinguishing Non-deterministic Timed Finite State Machines. Lecture Notes in Computer Science, 2009, , 137-151.	1.3	13
12	Preset and Adaptive Homing Experiments for Nondeterministic Finite State Machines. Lecture Notes in Computer Science, 2011, , 215-224.	1.3	11
13	A practical approach for testing timed deterministic finite state machines with single clock. Science of Computer Programming, 2014, 80, 343-355.	1.9	11
14	An assessment of extended finite state machine test selection criteria. Journal of Systems and Software, 2017, 123, 106-118.	4.5	11
15	Progressive solutions to a parallel automata equation. Theoretical Computer Science, 2006, 362, 17-32.	0.9	8
16	Deriving protocol specifications from service specifications written as Predicate/Transition-nets. Computer Networks, 2007, 51, 258-284.	5.1	8
17	Mathcal k\$-branching uio sequences for partially specified observable non-deterministic fsms. IEEE Transactions on Software Engineering, 2021, 47, 1029-1040.	5.6	8
18	Testing Nondeterministic Finite State Machines with Respect to the Separability Relation. Lecture Notes in Computer Science, 2007, , 305-318.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Distinguishing Experiments for Timed Nondeterministic Finite State Machines. Acta Cybernetica, 2013, 21, 205-222.	0.6	8
20	Incremental and Heuristic Approaches for Deriving Adaptive Distinguishing Test Cases for Non-deterministic Finite-State Machines. Computer Journal, 2019, 62, 757-768.	2.4	6
21	Adaptive distinguishing test cases of nondeterministic finite state machines: test case derivation and length estimation. Formal Aspects of Computing, 2018, 30, 319-332.	1.8	5
22	Automatic derivation of Petri net based distributed specification with optimal allocation of resources. , 2000, , .		4
23	Heuristics for deriving distinguishing experiments of nondeterministic finite state machines. Applied Soft Computing Journal, 2016, 49, 1175-1184.	7.2	4
24	Parallel algorithms for reducing derivation time of distinguishing experiments for nondeterministic finite state machines. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 197-210.	1.0	4
25	Deriving Tests with Guaranteed Fault Coverage for Finite State Machines with Timeouts. Lecture Notes in Computer Science, 2018, , 149-154.	1.3	4
26	Petri net-based protocol synthesis with minimum communication costs. Journal of the Franklin Institute, 2006, 343, 501-520.	3.4	3
27	PathSim: A Tool for Finding Minimal Energy Device Operation Sequence for Reaching a Target Context in a Smart-Home. , 2013, , .		3
28	On Code Coverage of Extended FSM Based Test Suites: An Initial Assessment. Lecture Notes in Computer Science, 2014, , 198-204.	1.3	3
29	Parallel implementation for deriving preset distinguishing experiments of nondeterministic finite state machines. , 2017, , .		3
30	Testing Timed Nondeterministic Finite State Machines with the Guaranteed Fault Coverage. Automatic Control and Computer Sciences, 2017, 51, 724-730.	0.8	3
31	A formal approach to design optimized multimedia service overlay. , 2005, , .		2
32	Assessing test suites of extended finite state machines against modelâ€•and codeâ€•based faults. Software Testing Verification and Reliability, 2022, 32, e1789.	2.0	2
33	Test Translation for Embedded Finite State Machine Components. Computer Journal, 2016, 59, 1805-1816.	2.4	1
34	Symbolic Refinement of Extended State Machines with Applications to the Automatic Derivation of Sub-Components and Controllers. IEEE Transactions on Software Engineering, 2021, 47, 1-16.	5.6	1
35	On-the-Fly Construction of Adaptive Checking Sequences for Testing Deterministic Implementations of Nondeterministic Specifications. Lecture Notes in Computer Science, 2016, , 139-152.	1.3	1
36	Optimizing Continuous Media Delivery by Multiple Distributed Servers to Multiple Clients Using a Genetic Algorithm. Lecture Notes in Computer Science, 2004, , 282-294.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Deriving Compositionally Deadlock-Free Components over Synchronous Automata Compositions. Computer Journal, 2015, 58, 2793-2803.	2.4	0
38	GPU and Multiprocessing Parallel Implementations for the Elimination of Finite State Machine Mutants. , 2018, , .		0
39	Energy aware simulation and testing of smart-spaces. Information and Software Technology, 2020, 118, 106201.	4.4	0
40	On Distinguishing Sequences of Several Classes of Reversible Finite State Machines. , 2021, , .		0