

# Jun Sun

## List of Publications by Year in descending order

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235  
papers

3,790  
citations

377584

21  
h-index

371746

37  
g-index

244  
all docs

244  
docs citations

244  
times ranked

2146  
citing authors

#	ARTICLE	IF	CITATIONS
1	xFuzz: Machine Learning Guided Cross-Contract Fuzzing. IEEE Transactions on Dependable and Secure Computing, 2024, 21, 515-529.	3.7	12
2	Achieving High MAP-Coverage Through Pattern Constraint Reduction. IEEE Transactions on Software Engineering, 2023, 49, 99-112.	4.3	2
3	Delta Debugging Microservice Systems with Parallel Optimization. IEEE Transactions on Services Computing, 2022, 15, 16-29.	3.2	20
4	Automatic Fairness Testing of Neural Classifiers Through Adversarial Sampling. IEEE Transactions on Software Engineering, 2022, 48, 3593-3612.	4.3	7
5	Holistic Combination of Structural and Textual Code Information for Context Based API Recommendation. IEEE Transactions on Software Engineering, 2022, 48, 2987-3009.	4.3	17
6	“More Than Deep Learning” post-processing for API sequence recommendation. Empirical Software Engineering, 2022, 27, 1.	3.0	3
7	Enjoy your observability: an industrial survey of microservice tracing and analysis. Empirical Software Engineering, 2022, 27, 25.	3.0	29
8	A Quantum interpretation of separating conjunction for local reasoning of Quantum programs based on separation logic. , 2022, 6, 1-27.		4
9	Which neural network makes more explainable decisions? An approach towards measuring explainability. Automated Software Engineering, 2022, 29, 1.	2.2	0
10	gDefects4DL: A Dataset of General Real-World Deep Learning Program Defects. , 2022, , .		1
11	Physical Adversarial Attack on a Robotic Arm. IEEE Robotics and Automation Letters, 2022, 7, 9334-9341.	3.3	1
12	Causality-based neural network repair. , 2022, , .		15
13	ExAIS. , 2022, , .		2
14	Guaranteeing Timed Opacity using Parametric Timed Model Checking. ACM Transactions on Software Engineering and Methodology, 2022, 31, 1-36.	4.8	6
15	Explaining Regressions via Alignment Slicing and Mending. IEEE Transactions on Software Engineering, 2021, 47, 2421-2437.	4.3	9
16	Fault Analysis and Debugging of Microservice Systems: Industrial Survey, Benchmark System, and Empirical Study. IEEE Transactions on Software Engineering, 2021, 47, 243-260.	4.3	146
17	Automatically “Verifying” Discrete-Time Complex Systems through Learning, Abstraction and Refinement. IEEE Transactions on Software Engineering, 2021, 47, 189-203.	4.3	3
18	hPRESS: A Hardware-Enhanced Proxy Re-Encryption Scheme Using Secure Enclave. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2021, 40, 1144-1157.	1.9	3

#	ARTICLE	IF	CITATIONS
19	SGUARD: Towards Fixing Vulnerable Smart Contracts Automatically. , 2021, , .		24
20	RobOT: Robustness-Oriented Testing for Deep Learning Systems. , 2021, , .		34
21	Attack as defense: characterizing adversarial examples using robustness. , 2021, , .		21
22	Type and interval aware array constraint solving for symbolic execution. , 2021, , .		6
23	Graph-based seed object synthesis for search-based unit testing. , 2021, , .		11
24	Code integrity attestation for PLCs using black box neural network predictions. , 2021, , .		5
25	Adversarial attacks and mitigation for anomaly detectors of cyber-physical systems. International Journal of Critical Infrastructure Protection, 2021, 34, 100452.	2.9	15
26	Improving Neural Network Verification through Spurious Region Guided Refinement. Lecture Notes in Computer Science, 2021, , 389-408.	1.0	13
27	sVerify: Verifying Smart Contracts Through Lazy Annotation and Learning. Lecture Notes in Computer Science, 2021, , 453-469.	1.0	1
28	Route Coverage Testing for Autonomous Vehicles via Map Modeling. , 2021, , .		12
29	Collision Avoidance Testing for Autonomous Driving Systems on Complete Maps. , 2021, , .		11
30	FIGCPS: Effective Failure-inducing Input Generation for Cyber-Physical Systems with Deep Reinforcement Learning. , 2021, , .		3
31	HRPDF: A Software-Based Heterogeneous Redundant Proactive Defense Framework for Programmable Logic Controller. Journal of Computer Science and Technology, 2021, 36, 1307-1324.	0.9	1
32	Verification Assisted Gas Reduction for Smart Contracts. , 2021, , .		4
33	Towards Repairing Neural Networks Correctly. , 2021, , .		6
34	HARS: Heuristic-Enhanced Adaptive Randomized Scheduling for Concurrency Testing. , 2021, , .		0
35	Semantic Understanding of Smart Contracts: Executable Operational Semantics of Solidity. , 2020, , .		40
36	Provably Robust Decisions based on Potentially Malicious Sources of Information. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Automated synthesis of local time requirement for service composition. Software and Systems Modeling, 2020, 19, 983-1013.	2.2	1
38	SAGA: Efficient and Large-Scale Detection of Near-Miss Clones with GPU Acceleration. , 2020, , .		8
39	A Generalized Formal Semantic Framework for Smart Contracts. Lecture Notes in Computer Science, 2020, , 75-96.	1.0	7
40	An Empirical Study on Correlation between Coverage and Robustness for Deep Neural Networks. , 2020, , .		16
41	White-box fairness testing through adversarial sampling. , 2020, , .		59
42	sFuzz. , 2020, , .		123
43	Symbolic verification of message passing interface programs. , 2020, , .		11
44	Recovering fitness gradients for interprocedural Boolean flags in search-based testing. , 2020, , .		14
45	Active fuzzing for testing and securing cyber-physical systems. , 2020, , .		15
46	Systematic Classification of Attackers via Bounded Model Checking. Lecture Notes in Computer Science, 2020, , 226-247.	1.0	0
47	Global PAC Bounds for Learning Discrete Time Markov Chains. Lecture Notes in Computer Science, 2020, , 304-326.	1.0	1
48	Accelerating all-SAT computation with short blocking clauses. , 2020, , .		1
49	Towards generating thread-safe classes automatically. , 2020, , .		1
50	Towards interpreting recurrent neural networks through probabilistic abstraction. , 2020, , .		12
51	ObjSim: efficient testing of cyber-physical systems. , 2020, , .		2
52	What Makes Open Source Software Projects Impactful: A Data-Driven Approach. , 2020, , .		0
53	IFIX: Fixing Concurrency Bugs While They Are Introduced. , 2020, , .		2
54	CoinWatch: A Clone-Based Approach For Detecting Vulnerabilities in Cryptocurrencies. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
55	AI-boosted software automation: learning from human pair programmers. Science China Information Sciences, 2019, 62, 1.	2.7	3
56	Latent error prediction and fault localization for microservice applications by learning from system trace logs. , 2019, , .		116
57	Generative API usage code recommendation with parameter concretization. Science China Information Sciences, 2019, 62, 1.	2.7	14
58	Adversarial Sample Detection for Deep Neural Network through Model Mutation Testing. , 2019, , .		113
59	Practical static analysis of context leaks in Android applications. Software - Practice and Experience, 2019, 49, 233-251.	2.5	2
60	Learning-Guided Network Fuzzing for Testing Cyber-Physical System Defences. , 2019, , .		35
61	MAP-Coverage: A Novel Coverage Criterion for Testing Thread-Safe Classes. , 2019, , .		7
62	Adaptive Randomized Scheduling for Concurrency Bug Detection. , 2019, , .		5
63	Concolic Testing Heap-Manipulating Programs. Lecture Notes in Computer Science, 2019, , 442-461.	1.0	5
64	Enhancing Symbolic Execution of Heap-Based Programs with Separation Logic for Test Input Generation. Lecture Notes in Computer Science, 2019, , 209-227.	1.0	6
65	Parametric Timed Model Checking for Guaranteeing Timed Opacity. Lecture Notes in Computer Science, 2019, , 115-130.	1.0	3
66	sCompile: Critical Path Identification and Analysis for Smart Contracts. Lecture Notes in Computer Science, 2019, , 286-304.	1.0	38
67	Careful-Packing. , 2019, , .		3
68	Sequential Schemes for Frequentist Estimation of Properties in Statistical Model Checking. ACM Transactions on Modeling and Computer Simulation, 2019, 29, 1-22.	0.6	4
69	Learning probabilistic models for model checking: an evolutionary approach and an empirical study. International Journal on Software Tools for Technology Transfer, 2018, 20, 689-704.	1.7	4
70	Frame Inference for Inductive Entailment Proofs in Separation Logic. Lecture Notes in Computer Science, 2018, , 41-60.	1.0	16
71	CrowdService. ACM Transactions on Internet Technology, 2018, 18, 1-25.	3.0	10
72	An Adaptive Markov Strategy for Defending Smart Grid False Data Injection From Malicious Attackers. IEEE Transactions on Smart Grid, 2018, 9, 2398-2408.	6.2	46

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73	Towards Model Checking Android Applications. IEEE Transactions on Software Engineering, 2018, 44, 595-612.	4.3	21
74	A Formal Specification and Verification Framework for Timed Security Protocols. IEEE Transactions on Software Engineering, 2018, 44, 725-746.	4.3	9
75	On the Sequential Massart Algorithm for Statistical Model Checking. Lecture Notes in Computer Science, 2018, , 287-304.	1.0	3
76	Break the dead end of dynamic slicing: localizing data and control omission bug. , 2018, , .		21
77	PFix: fixing concurrency bugs based on memory access patterns. , 2018, , .		15
78	Towards optimal concolic testing. , 2018, , .		42
79	Delta debugging microservice systems. , 2018, , .		29
80	Testing heap-based programs with Java StarFinder. , 2018, , .		7
81	Benchmarking microservice systems for software engineering research. , 2018, , .		64
82	Static analysis of context leaks in android applications. , 2018, , .		2
83	Learning from Mutants: Using Code Mutation to Learn and Monitor Invariants of a Cyber-Physical System. , 2018, , .		85
84	Importance Sampling of Interval Markov Chains. , 2018, , .		4
85	Detecting Bitrate Modulation-Based Covert Voice-Over-IP Communication. IEEE Communications Letters, 2018, 22, 1196-1199.	2.5	9
86	A UTP semantics for communicating processes with shared variables and its formal encoding in PVS. Formal Aspects of Computing, 2018, 30, 351-380.	1.4	7
87	Compositional Reasoning for Shared-Variable Concurrent Programs. Lecture Notes in Computer Science, 2018, , 523-541.	1.0	3
88	Towards "Verifying" a Water Treatment System. Lecture Notes in Computer Science, 2018, , 73-92.	1.0	7
89	The Miles Before Formal Methods - A Case Study on Modeling and Analyzing a Passenger Lift System. Lecture Notes in Computer Science, 2018, , 54-69.	1.0	2
90	Auditing Anti-Malware Tools by Evolving Android Malware and Dynamic Loading Technique. IEEE Transactions on Information Forensics and Security, 2017, 12, 1529-1544.	4.5	60

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91	Hiding Information Into Voice-Over-IP Streams Using Adaptive Bitrate Modulation. IEEE Communications Letters, 2017, 21, 749-752.	2.5	16
92	Should We Learn Probabilistic Models for Model Checking? A New Approach and An Empirical Study. Lecture Notes in Computer Science, 2017, , 3-21.	1.0	6
93	JSFox: Integrating Static and Dynamic Type Analysis of JavaScript Programs. , 2017, , .		1
94	Feedback-Based Debugging. , 2017, , .		36
95	A Decidable Fragment in Separation Logic with Inductive Predicates and Arithmetic. Lecture Notes in Computer Science, 2017, , 495-517.	1.0	19
96	Mining implicit design templates for actionable code reuse. , 2017, , .		14
97	Language Inclusion Checking of Timed Automata with Non-Zenoness. IEEE Transactions on Software Engineering, 2017, 43, 995-1008.	4.3	4
98	Battery-Aware Mobile Data Service. IEEE Transactions on Mobile Computing, 2017, 16, 1544-1558.	3.9	20
99	Anomaly Detection for a Water Treatment System Using Unsupervised Machine Learning. , 2017, , .		186
100	Learning Likely Invariants to Explain Why a Program Fails. , 2017, , .		3
101	O2O service composition with social collaboration. , 2017, , .		4
102	FiB: Squeezing loop invariants by interpolation between forward/backward predicate transformers. , 2017, , .		12
103	Automatic loop-invariant generation and refinement through selective sampling. , 2017, , .		23
104	Detecting Steganography of Adaptive Multirate Speech with Unknown Embedding Rate. Mobile Information Systems, 2017, 2017, 1-18.	0.4	4
105	Assertion Generation through Active Learning. , 2017, , .		6
106	Efficient and Robust Emergence of Norms through Heuristic Collective Learning. ACM Transactions on Autonomous and Adaptive Systems, 2017, 12, 1-20.	0.4	10
107	Parametric Model Checking Timed Automata Under Non-Zenoness Assumption. Lecture Notes in Computer Science, 2017, , 35-51.	1.0	5
108	Sequential Schemes for Frequentist Estimation of Properties in Statistical Model Checking. Lecture Notes in Computer Science, 2017, , 333-350.	1.0	6

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109	Classification-Based Parameter Synthesis for Parametric Timed Automata. Lecture Notes in Computer Science, 2017, , 243-261.	1.0	3
110	Improving Probability Estimation Through Active Probabilistic Model Learning. Lecture Notes in Computer Science, 2017, , 379-395.	1.0	4
111	A Verification Framework for Stateful Security Protocols. Lecture Notes in Computer Science, 2017, , 262-280.	1.0	0
112	Assertion Generation Through Active Learning. Lecture Notes in Computer Science, 2017, , 174-191.	1.0	3
113	Formalizing and verifying stochastic system architectures using Monterey Phoenix. Software and Systems Modeling, 2016, 15, 453-471.	2.2	7
114	Designing minimal effective normative systems with the help of lightweight formal methods. , 2016, , .		5
115	Optimizing selection of competing services with probabilistic hierarchical refinement. , 2016, , .		19
116	Satisfiability Modulo Heap-Based Programs. Lecture Notes in Computer Science, 2016, , 382-404.	1.0	19
117	IBED: Combining IBEA and DE for optimal feature selection in software product line engineering. Applied Soft Computing Journal, 2016, 49, 1215-1231.	4.1	28
118	CrowdService: serving the individuals through mobile crowdsourcing and service composition. , 2016, , .		10
119	Improved EGT-Based Robustness Analysis of Negotiation Strategies in Multiagent Systems via Model Checking. IEEE Transactions on Human-Machine Systems, 2016, 46, 197-208.	2.5	4
120	Towards Learning and Verifying Invariants of Cyber-Physical Systems by Code Mutation. Lecture Notes in Computer Science, 2016, , 155-163.	1.0	15
121	Towards Concolic Testing for Hybrid Systems. Lecture Notes in Computer Science, 2016, , 460-478.	1.0	9
122	Regular Symmetry Patterns. Lecture Notes in Computer Science, 2016, , 455-475.	1.0	3
123	Scaling BDD-based Timed Verification with Simulation Reduction. Lecture Notes in Computer Science, 2016, , 363-382.	1.0	0
124	Automated Verification of Timed Security Protocols with Clock Drift. Lecture Notes in Computer Science, 2016, , 513-530.	1.0	2
125	Service Adaptation with Probabilistic Partial Models. Lecture Notes in Computer Science, 2016, , 122-140.	1.0	0
126	TLV: abstraction through testing, learning, and validation. , 2015, , .		9



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127	Formalizing and verifying stochastic system architectures using Monterey Phoenix (SoSyM abstract). , 2015, , .		0
128	GPU Accelerated On-the-Fly Reachability Checking. , 2015, , .		17
129	Event and strategy analytics. , 2015, , .		1
130	All Your Sessions Are Belong to Us: Investigating Authenticator Leakage through Backup Channels on Android. , 2015, , .		10
131	Interpolation Guided Compositional Verification (T). , 2015, , .		10
132	An Adaptive Markov Strategy for Effective Network Intrusion Detection. , 2015, , .		2
133	A Systematic Study on Explicit-State Non-Zenoness Checking for Timed Automata. IEEE Transactions on Software Engineering, 2015, 41, 3-18.	4.3	7
134	Detection and classification of malicious JavaScript via attack behavior modelling. , 2015, , .		22
135	Reliability assessment for distributed systems via communication abstraction and refinement. , 2015, , .		0
136	Optimizing selection of competing features via feedback-directed evolutionary algorithms. , 2015, , .		21
137	Verifying Parameterized Timed Security Protocols. Lecture Notes in Computer Science, 2015, , 342-359.	1.0	4
138	Clonepedia: Summarizing Code Clones by Common Syntactic Context for Software Maintenance. , 2014, , .		7
139	VeriWS: a tool for verification of combined functional and non-functional requirements of web service composition. , 2014, , .		15
140	Complexity of the Soundness Problem of Workflow Nets. Fundamenta Informaticae, 2014, 131, 81-101.	0.3	11
141	RaPiD: a toolkit for reliability analysis of non-deterministic systems. , 2014, , .		0
142	Automatic early defects detection in use case documents. , 2014, , .		20
143	Detecting differences across multiple instances of code clones. , 2014, , .		35
144	Parameter synthesis for hierarchical concurrent real-time systems. Real-Time Systems, 2014, 50, 620-679.	1.1	6

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145	Adaptive Defending Strategy for Smart Grid Attacks. , 2014, , .		3
146	Event Analytics. Lecture Notes in Computer Science, 2014, , 17-24.	1.0	1
147	Towards verification of computation orchestration. Formal Aspects of Computing, 2014, 26, 729-759.	1.4	7
148	Model checking with fairness assumptions using PAT. Frontiers of Computer Science, 2014, 8, 1-16.	1.6	32
149	Model checking approach to automated planning. Formal Methods in System Design, 2014, 44, 176-202.	0.9	8
150	Symbolic Analysis of an Electric Vehicle Charging Protocol. , 2014, , .		4
151	Automated runtime recovery for QoS-based service composition. , 2014, , .		18
152	Learning Assumptions for Compositional Verification of Timed Systems. IEEE Transactions on Software Engineering, 2014, 40, 137-153.	4.3	21
153	Diamonds Are a Girl's Best Friend: Partial Order Reduction for Timed Automata with Abstractions. Lecture Notes in Computer Science, 2014, , 391-406.	1.0	10
154	GPU Accelerated Counterexample Generation in LTL Model Checking. Lecture Notes in Computer Science, 2014, , 413-429.	1.0	9
155	Are Timed Automata Bad for a Specification Language? Language Inclusion Checking for Timed Automata. Lecture Notes in Computer Science, 2014, , 310-325.	1.0	12
156	TTM/PAT: Specifying and Verifying Timed Transition Models. Communications in Computer and Information Science, 2014, , 107-124.	0.4	1
157	Towards Formal Modelling and Verification of Pervasive Computing Systems. Lecture Notes in Computer Science, 2014, , 62-91.	1.0	0
158	Towards a Combination of CafeOBJ and PAT. Lecture Notes in Computer Science, 2014, , 151-170.	1.0	1
159	Combining model checking and testing with an application to reliability prediction and distribution. , 2013, , .		6
160	Constraint-based automatic symmetry detection. , 2013, , .		2
161	Dynamic synthesis of local time requirement for service composition. , 2013, , .		11
162	Automatically partition software into least privilege components using dynamic data dependency analysis. , 2013, , .		24

#	ARTICLE	IF	CITATIONS
163	Build your own model checker in one month. , 2013, , .		3
164	Social-Loc. , 2013, , .		73
165	USMMC: a self-contained model checker for UML state machines. , 2013, , .		4
166	Modeling and verifying hierarchical real-time systems using stateful timed CSP. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-29.	4.8	51
167	Multi-core Model Checking Algorithms for LTL Verification with Fairness Assumptions. , 2013, , .		0
168	TzuYu: Learning stateful typestates. , 2013, , .		17
169	Verifying Linearizability via Optimized Refinement Checking. IEEE Transactions on Software Engineering, 2013, 39, 1018-1039.	4.3	19
170	State Space Reduction for Sensor Networks Using Two-Level Partial Order Reduction. Lecture Notes in Computer Science, 2013, , 515-535.	1.0	3
171	Improved Reachability Analysis in DTMC via Divide and Conquer. Lecture Notes in Computer Science, 2013, , 162-176.	1.0	4
172	A Formal Semantics for Complete UML State Machines with Communications. Lecture Notes in Computer Science, 2013, , 331-346.	1.0	27
173	PSyHCoS: Parameter Synthesis for Hierarchical Concurrent Real-Time Systems. Lecture Notes in Computer Science, 2013, , 984-989.	1.0	2
174	A UTP Semantics for Communicating Processes with Shared Variables. Lecture Notes in Computer Science, 2013, , 215-230.	1.0	7
175	Verification of Functional and Non-functional Requirements of Web Service Composition. Lecture Notes in Computer Science, 2013, , 313-328.	1.0	22
176	vTRUST: A Formal Modeling and Verification Framework for Virtualization Systems. Lecture Notes in Computer Science, 2013, , 329-346.	1.0	4
177	Improving Model Checking Stateful Timed CSP with non-Zenoness through Clock-Symmetry Reduction. Lecture Notes in Computer Science, 2013, , 182-198.	1.0	4
178	Improving indoor localization with social interactions. , 2012, , .		2
179	Using Monterey Phoenix to Formalize and Verify System Architectures. , 2012, , .		2
180	Formal modeling and validation of Stateflow diagrams. International Journal on Software Tools for Technology Transfer, 2012, 14, 653-671.	1.7	17

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181	Analyzing multi-agent systems with probabilistic model checking approach. , 2012, , .		8
182	Planning as Model Checking Tasks. , 2012, , .		2
183	Model Checking Software Architecture Design. , 2012, , .		9
184	Parameter Synthesis for Hierarchical Concurrent Real-Time Systems. , 2012, , .		1
185	Complexity of the Soundness Problem of Bounded Workflow Nets. Lecture Notes in Computer Science, 2012, , 92-107.	1.0	10
186	Probabilistic Model Checking Multi-agent Behaviors in Dispersion Games Using Counter Abstraction. Lecture Notes in Computer Science, 2012, , 16-30.	1.0	7
187	Automatic Compositional Verification of Timed Systems. Lecture Notes in Computer Science, 2012, , 272-276.	1.0	6
188	Improved BDD-Based Discrete Analysis of Timed Systems. Lecture Notes in Computer Science, 2012, , 326-340.	1.0	12
189	Automatic Generation of Provably Correct Embedded Systems. Lecture Notes in Computer Science, 2012, , 214-229.	1.0	5
190	More Anti-chain Based Refinement Checking. Lecture Notes in Computer Science, 2012, , 364-380.	1.0	10
191	An Analytical and Experimental Comparison of CSP Extensions and Tools. Lecture Notes in Computer Science, 2012, , 381-397.	1.0	4
192	Symbolic Model-Checking of Stateful Timed CSP Using BDD and Digitization. Lecture Notes in Computer Science, 2012, , 398-413.	1.0	4
193	PAT 3: An Extensible Architecture for Building Multi-domain Model Checkers. , 2011, , .		54
194	A model checking framework for hierarchical systems. , 2011, , .		4
195	Verification of Orchestration Systems Using Compositional Partial Order Reduction. Lecture Notes in Computer Science, 2011, , 98-114.	1.0	3
196	Towards bug-free implementation for wireless sensor networks. , 2011, , .		2
197	On Combining State Space Reductions with Global Fairness Assumptions. Lecture Notes in Computer Science, 2011, , 432-447.	1.0	2
198	An Efficient Algorithm for Learning Event-Recording Automata. Lecture Notes in Computer Science, 2011, , 463-472.	1.0	15

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199	PRTS: An Approach for Model Checking Probabilistic Real-Time Hierarchical Systems. Lecture Notes in Computer Science, 2011, , 147-162.	1.0	8
200	Towards a Model Checker for NesC and Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 372-387.	1.0	19
201	Differencing Labeled Transition Systems. Lecture Notes in Computer Science, 2011, , 537-552.	1.0	2
202	SpecDiff. , 2010, , .		0
203	Analyzing hierarchical complex real-time systems. , 2010, , .		4
204	A verification system for interval-based specification languages. ACM Transactions on Software Engineering and Methodology, 2010, 19, 1-36.	4.8	29
205	Model-Based Methods for Linking Web Service Choreography and Orchestration. , 2010, , .		11
206	Developing Model Checkers Using PAT. Lecture Notes in Computer Science, 2010, , 371-377.	1.0	21
207	Model Checking Hierarchical Probabilistic Systems. Lecture Notes in Computer Science, 2010, , 388-403.	1.0	21
208	Model Checking a Model Checker: A Code Contract Combined Approach. Lecture Notes in Computer Science, 2010, , 518-533.	1.0	4
209	A formal framework for modeling and validating Simulink diagrams. Formal Aspects of Computing, 2009, 21, 451-483.	1.4	38
210	Integrating Specification and Programs for System Modeling and Verification. , 2009, , .		68
211	Towards Expressive Specification and Efficient Model Checking. , 2009, , .		2
212	Verification of Population Ring Protocols in PAT. , 2009, , .		6
213	PAT: Towards Flexible Verification under Fairness. Lecture Notes in Computer Science, 2009, , 709-714.	1.0	241
214	Model Checking Linearizability via Refinement. Lecture Notes in Computer Science, 2009, , 321-337.	1.0	43
215	Scalable Multi-core Model Checking Fairness Enhanced Systems. Lecture Notes in Computer Science, 2009, , 426-445.	1.0	13
216	Verifying Stateful Timed CSP Using Implicit Clocks and Zone Abstraction. Lecture Notes in Computer Science, 2009, , 581-600.	1.0	22

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217	Compositional encoding for bounded model checking. <i>Frontiers of Computer Science</i> , 2008, 2, 368-379.	0.6	2
218	A Scalable Approach to Multi-style Architectural Modeling and Verification. , 2008, , .		18
219	Timed Automata Patterns. <i>IEEE Transactions on Software Engineering</i> , 2008, 34, 844-859.	4.3	56
220	A Formal Model of Semantic Web Service Ontology (WSMO) Execution. , 2008, , .		3
221	Bounded Model Checking of Compositional Processes. , 2008, , .		6
222	Model Checking CSP Revisited: Introducing a Process Analysis Toolkit. <i>Communications in Computer and Information Science</i> , 2008, , 307-322.	0.4	83
223	An analyzer for extended compositional process algebras. , 2008, , .		17
224	A verification system for timed interval calculus. , 2008, , .		4
225	Specifying and Verifying Event-Based Fairness Enhanced Systems. <i>Lecture Notes in Computer Science</i> , 2008, , 5-24.	1.0	24
226	Realizing Live Sequence Charts in SystemVerilog. , 2007, , .		3
227	A Formal Semantic Model of the Semantic Web Service Ontology (WSMO). , 2007, , .		8
228	Machine-Assisted Proof Support for Validation Beyond Simulink. <i>Lecture Notes in Computer Science</i> , 2007, , 96-115.	1.0	3
229	Context Awareness Systems Design and Reasoning. , 2006, , .		5
230	Reasoning support for Semantic Web ontology family languages using Alloy. <i>Multiagent and Grid Systems</i> , 2006, 2, 455-471.	0.5	14
231	Algorithmic Design Using Object-Z for Twig XML Queries Evaluation. <i>Electronic Notes in Theoretical Computer Science</i> , 2006, 151, 107-124.	0.9	0
232	Verification of Computation Orchestration Via Timed Automata. <i>Lecture Notes in Computer Science</i> , 2006, , 226-245.	1.0	24
233	Validating Semistructured Data Using OWL. <i>Lecture Notes in Computer Science</i> , 2006, , 520-531.	1.0	0
234	Synthesis of Distributed Processes from Scenario-Based Specifications. <i>Lecture Notes in Computer Science</i> , 2005, , 415-431.	1.0	10

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235	Extracting FSMs from Object-Z specifications with history invariants. , 2005, , .		6