

Jin Song Dong

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

813
citations

623188

14
h-index

580395

25
g-index

45
all docs

45
docs citations

45
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Timed Communicating Object Z. IEEE Transactions on Software Engineering, 2000, 26, 150-177.	4.3	106
2	Model Checking CSP Revisited: Introducing a Process Analysis Toolkit. Communications in Computer and Information Science, 2008, , 307-322.	0.4	83
3	Integrating Specification and Programs for System Modeling and Verification. , 2009, , .		68
4	Blending Object-Z and Timed CSP: an introduction to TCOZ. , 0, , .		56
5	Timed Automata Patterns. IEEE Transactions on Software Engineering, 2008, 34, 844-859.	4.3	56
6	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
7	A formal framework for modeling and validating Simulink diagrams. Formal Aspects of Computing, 2009, 21, 451-483.	1.4	38
8	From verified model to executable program: the PAT approach. Innovations in Systems and Software Engineering, 2016, 12, 1-26.	1.6	24
9	Specifying and Verifying Event-Based Fairness Enhanced Systems. Lecture Notes in Computer Science, 2008, , 5-24.	1.0	24
10	Verifying Stateful Timed CSP Using Implicit Clocks and Zone Abstraction. Lecture Notes in Computer Science, 2009, , 581-600.	1.0	22
11	Learning Assumptions for Compositional Verification of Timed Systems. IEEE Transactions on Software Engineering, 2014, 40, 137-153.	4.3	21
12	Verifying Linearizability via Optimized Refinement Checking. IEEE Transactions on Software Engineering, 2013, 39, 1018-1039.	4.3	19
13	An analyzer for extended compositional process algebras. , 2008, , .		17
14	A Formal Object Approach to the Design of ZML. Annals of Software Engineering, 2002, 13, 329-356.	0.5	14
15	Reasoning support for Semantic Web ontology family languages using Alloy. Multiagent and Grid Systems, 2006, 2, 455-471.	0.5	14
16	Deep Semantic Links of TCSP and Object-Z: TCOZ Approach. Formal Aspects of Computing, 2002, 13, 142-160.	1.4	11
17	ZML: XML Support for Standard Z. Lecture Notes in Computer Science, 2003, , 437-456.	1.0	10
18	Model Checking Software Architecture Design. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
19	Semantic Web for Extending and Linking Formalisms. Lecture Notes in Computer Science, 2002, , 587-606.	1.0	9
20	Formalising process scheduling requirements for an aircraft operational flight program. , 0, , .		8
21	Applying Timed Interval Calculus to Simulink Diagrams. Lecture Notes in Computer Science, 2006, , 74-93.	1.0	8
22	Model checking approach to automated planning. Formal Methods in System Design, 2014, 44, 176-202.	0.9	8
23	Towards verification of computation orchestration. Formal Aspects of Computing, 2014, 26, 729-759.	1.4	7
24	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
25	Specifying and reasoning about generic architecture in TCOZ. , 0, , .		6
26	Relating π -calculus to Object-Z. , 0, , .		5
27	Context Awareness Systems Design and Reasoning. , 2006, , .		5
28	A XML/XSL approach to visualize and animate TCOZ. , 0, , .		4
29	A verification system for timed interval calculus. , 2008, , .		4
30	XML-Based Static Type Checking and Dynamic Visualization for TCOZ. Lecture Notes in Computer Science, 2002, , 311-322.	1.0	4
31	Machine-Assisted Proof Support for Validation Beyond Simulink. Lecture Notes in Computer Science, 2007, , 96-115.	1.0	3
32	FORMAL DESIGNS FOR EMBEDDED AND HYBRID SYSTEMS. International Journal of Software Engineering and Knowledge Engineering, 2005, 15, 373-378.	0.6	2
33	PSyHCoS: Parameter Synthesis for Hierarchical Concurrent Real-Time Systems. Lecture Notes in Computer Science, 2013, , 984-989.	1.0	2
34	Modeling aircraft mission computer task rates. Lecture Notes in Computer Science, 1999, , 1855-1855.	1.0	2
35	Software modeling techniques and the semantic Web. , 0, , .		1
36	From semantic web to expressive software specifications. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
37	A philosophy-driven entity classification and enrichment for ontology mapping. Expert Systems, 2011, 28, 138-166.	2.9	1
38	Event Analytics. Lecture Notes in Computer Science, 2014, , 17-24.	1.0	1
39	Event and strategy analytics. , 2015, , .		1
40	Generating MSCs from an Integrated Formal Specification Language. Lecture Notes in Computer Science, 2004, , 168-186.	1.0	1
41	TRMCS in TCOZ [formal specification]. , 0, , .		0