Franz Wotawa

List of Publications by Year in descending order

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221 papers	2,806 citations	394421 19 h-index	276875 41 g-index
227 all docs	227 docs citations	227 times ranked	1322 citing authors

#	Article	IF	Citations
1	Spreadsheet debugging: The perils of tool over-reliance. Journal of Systems and Software, 2022, 184, 111119.	4.5	5
2	Editorial â€œspecial issue on artificial intelligence in practice â€“ from theory to applicationâ€• Applied Intelligence, 2022, 52, 6915.	5.3	0
3	Model-based reasoning using answer set programming. Applied Intelligence, 2022, 52, 16993-17011.	5.3	2
4	Testing anticipatory systems: A systematic mapping study on the state of the art. Journal of Systems and Software, 2022, 192, 111387.	4.5	3
5	On the application of clustering for extracting driving scenarios from vehicle data. Machine Learning With Applications, 2022, 9, 100377.	4.4	3
6	Metric-Based Fault Prediction for Spreadsheets. IEEE Transactions on Software Engineering, 2021, 47, 2195-2207.	5.6	7
7	Intelligent Agents Diagnosticsâ€”Enhancing Cyberâ€Physical Systems with Selfâ€Diagnostic Capabilities. Advanced Intelligent Systems, 2021, 3, 2000218.	6.1	4
8	Automated Diagnosis of Cyber-Physical Systems. Lecture Notes in Computer Science, 2021, , 441-452.	1.3	0
9	Product metrics for spreadsheetsâ€”A systematic review. Journal of Systems and Software, 2021, 175, 110910.	4.5	3
10	Java2CSPâ€”A Model-Based Diagnosis Tool Not Only for Software Debugging. Smart Innovation, Systems and Technologies, 2021, , 519-529.	0.6	2
11	On Using k-means Clustering for Test Suite Reduction. , 2020, , .		7
12	Ontology-based Testing: An Emerging Paradigm for Modeling and Testing Systems and Software. , 2020, , .		1
13	On Using Ontologies for Testing Compilers. , 2020, , .		0
14	Planning-based security testing of web applications with attack grammars. Software Quality Journal, 2020, 28, 307-334.	2.2	11
15	An adaptive system for autonomous driving. Software Quality Journal, 2020, 28, 1189-1212.	2.2	5
16	Faster horn diagnosis - a performance comparison of abductive reasoning algorithms. Applied Intelligence, 2020, 50, 1558-1572.	5.3	3
17	On the Use of Answer Set Programming for Model-Based Diagnosis. Lecture Notes in Computer Science, 2020, , 518-529.	1.3	3
18	CatIO - A Framework for Model-Based Diagnosis of Cyber-Physical Systems. Lecture Notes in Computer Science, 2020, , 267-276.	1.3	1

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19	Using Model-Based Reasoning for Self-Adaptive Control of Smart Battery Systems. , 2020, , 279-310.		3
20	Interrogating Virtual Agents: In Quest of Security Vulnerabilities. Lecture Notes in Computer Science, 2020, , 20-34.	1.3	1
21	Explaining Object Motion Using Answer Set Programming. Lecture Notes in Computer Science, 2020, , 298-307.	1.3	1
22	Testing TLS using planning-based combinatorial methods and execution framework. Software Quality Journal, 2019, 27, 703-729.	2.2	8
23	Using Model-Based Reasoning for Enhanced Chatbot Communication. Lecture Notes in Computer Science, 2019, , 791-798.	1.3	0
24	Using Tri-Relation Networks for Effective Software Fault-Proneness Prediction. IEEE Access, 2019, 7, 63066-63080.	4.2	21
25	Investigating the Effectiveness of Mutation Testing Tools in the Context of Deep Neural Networks. Lecture Notes in Computer Science, 2019, , 766-777.	1.3	5
26	Chatbot Testing Using AI Planning. , 2019, , .		26
27	Reasoning from First Principles for Self-adaptive and Autonomous Systems. , 2019, , 427-460.		7
28	Comparing two systematic approaches for testing automated driving functions. , 2019, , .		6
29	Extending Automated FLTL Test Oracles with Diagnostic Support. , 2019, , .		0
30	Genetic Algorithm-Based Test Parameter Optimization for ADAS System Testing. , 2019, , .		32
31	Fragment-based spreadsheet debugging. Automated Software Engineering, 2019, 26, 203-239.	2.9	8
32	On the refinement of spreadsheet smells by means of structure information. Journal of Systems and Software, 2019, 147, 64-85.	4.5	9
33	Towards swarm level optimisation: the role of different movement patterns in swarm systems. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 241-259.	1.0	3
34	A Rule-Based Smart Control for Fail-Operational Systems. Lecture Notes in Computer Science, 2019, , 137-145.	1.3	1
35	Testing Chatbots Using Metamorphic Relations. Lecture Notes in Computer Science, 2019, , 41-55.	1.3	12
36	Performance Comparison of Two Search-Based Testing Strategies for ADAS System Validation. Lecture Notes in Computer Science, 2019, , 140-156.	1.3	17

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37	Wind Turbine Fault Localization: A Practical Application of Model-Based Diagnosis. , 2018, , 17-43.		0
38	Automated generation of (F)LTL oracles for testing and debugging. Journal of Systems and Software, 2018, 139, 124-141.	4.5	4
39	Spectrum-Based Fault Localization for Logic-Based Reasoning. , 2018, , .		1
40	Quality assurance methodologies for automated driving. Elektrotechnik Und Informationstechnik, 2018, 135, 322-327.	1.1	16
41	From Ontologies to Input Models for Combinatorial Testing. Lecture Notes in Computer Science, 2018, , 155-170.	1.3	11
42	Adaptive System for Autonomous Driving. , 2018, , .		3
43	Security Testing for Chatbots. Lecture Notes in Computer Science, 2018, , 33-38.	1.3	16
44	Combining spreadsheet smells for improved fault prediction. , 2018, , .		3
45	Applying algorithm selection to abductive diagnostic reasoning. Applied Intelligence, 2018, 48, 3976-3994.	5.3	3
46	Combining Combinatorial Testing and Metamorphic Testing for Testing a Logic-Based Non-monotonic Reasoning System. , 2018, , .		5
47	Planning-based security testing of web applications. , 2018, , .		4
48	Combining Models for Improved Fault Localization in Spreadsheets. IEEE Transactions on Reliability, 2017, 66, 38-53.	4.6	11
49	Mutation Score, Coverage, Model Inference: Quality Assessment for T-Way Combinatorial Test-Suites. , 2017, , .		7
50	Planning-Based Security Testing of the SSL/TLS Protocol. , 2017, , .		6
51	Performance tuning for automotive Software Fault Prediction. , 2017, , .		11
52	AI for Localizing Faults in Spreadsheets. Lecture Notes in Computer Science, 2017, , 71-87.	1.3	5
53	Testing Autonomous and Highly Configurable Systems: Challenges and Feasible Solutions. , 2017, , 519-532.		13
54	The Future of Automated Debugging — Focus on the Niches First. , 2017, , .		0

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55	Qualitative Deviation Models for Spreadsheet Debugging. , 2017, , .		2
56	Improving Spectrum-Based Fault Localization for Spreadsheet Debugging. , 2017, , .		7
57	A decomposition-based approach to spreadsheet testing and debugging. , 2017, , .		9
58	Testing TLS Using Combinatorial Methods and Execution Framework. Lecture Notes in Computer Science, 2017, , 162-177.	1.3	5
59	A â€œStrength of Decision Tree Equivalenceâ€•Taxonomy and Its Impact on Test Suite Reduction. Lecture Notes in Computer Science, 2017, , 197-212.	1.3	0
60	On the Automation of Security Testing. , 2016, , .		6
61	An Automated (F) LTL Test Oracle for Testing with Requirements. , 2016, , .		0
62	SIMULTATE: A Toolset for Fault Injection and Mutation Testing of Simulink Models. , 2016, , .		14
63	Testing Self-Adaptive Systems Using Fault Injection and Combinatorial Testing. , 2016, , .		4
64	Test-Suite Reduction Does Not Necessarily Require Executing the Program under Test. , 2016, , .		9
65	Using Modelica Programs for Deriving Propositional Horn Clause Abduction Problems. Lecture Notes in Computer Science, 2016, , 185-191.	1.3	1
66	Empirical study of correlation between mutation score and model inference based test suite adequacy assessment. , 2016, , .		5
67	A Survey on Software Fault Localization. IEEE Transactions on Software Engineering, 2016, 42, 707-740.	5.6	636
68	Fragment-Based Diagnosis of Spreadsheets. Lecture Notes in Computer Science, 2016, , 372-387.	1.3	3
69	Static Spreadsheet Analysis. , 2016, , .		3
70	On the Computational Feasibility of Abductive Diagnosis for Practical Applications. IFAC-PapersOnLine, 2015, 48, 410-415.	0.9	2
71	An Abductive Diagnosis and Modeling Concept for Wind Power Plants. IFAC-PapersOnLine, 2015, 48, 404-409.	0.9	4
72	Fault Localization in the Light of Faulty User Input. , 2015, , .		2

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73	Parse tree structure in LTL requirements diagnosis. , 2015, , .		1
74	Conditional slicing: Reducing dynamic slices. , 2015, , .		0
75	Analyzing the reduction of test suite redundancy. , 2015, , .		2
76	PURITY: A Planning-based secURITY Testing Tool. , 2015, , .		10
77	Evaluation of the IPO-Family algorithms for test case generation in web security testing. , 2015, , .		17
78	A Novel Industry Grade Dataset for Fault Prediction Based on Model-Driven Developed Automotive Embedded Software. , 2015, , .		21
79	Attack Pattern-Based Combinatorial Testing with Constraints for Web Security Testing. , 2015, , .		18
80	Using constraints to diagnose faulty spreadsheets. Software Quality Journal, 2015, 23, 297-322.	2.2	27
81	On the empirical evaluation of similarity coefficients for spreadsheets fault localization. Automated Software Engineering, 2015, 22, 47-74.	2.9	29
82	Potential of Heterogeneity in Collective Behaviors: A Case Study on Heterogeneous Swarms. Lecture Notes in Computer Science, 2015, , 201-217.	1.3	27
83	Testing for Distinguishing Repair Candidates in Spreadsheets â€“ the Mussco Approach. Lecture Notes in Computer Science, 2015, , 124-140.	1.3	3
84	Novel Insights on Cross Project Fault Prediction Applied to Automotive Software. Lecture Notes in Computer Science, 2015, , 141-157.	1.3	5
85	BPEL Integration Testing. Lecture Notes in Computer Science, 2015, , 69-83.	1.3	3
86	Focused Diagnosis for Failing Software Tests. Lecture Notes in Computer Science, 2015, , 712-721.	1.3	1
87	Kapsch: Reconfiguration of Mobile Phone Networks. , 2014, , 229-240.		3
88	Why Does my Spreadsheet Compute Wrong Values?. , 2014, , .		10
89	Attack pattern-based combinatorial testing. , 2014, , .		16
90	Testing methods used in the automotive industry: results from a survey. , 2014, , .		41

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91	SOA Testing via Random Paths in BPEL Models. , 2014, , .		6
92	Quality Assurance for Self-Adaptive, Self-Organising Systems (Message from the Workshop) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T		2
93	Security Testing Based on Attack Patterns. , 2014, , .		17
94	Avoiding, finding and fixing spreadsheet errors â€“ A survey of automated approaches for spreadsheet QA. Journal of Systems and Software, 2014, 94, 129-150.	4.5	50
95	Plan It! Automated Security Testing Based on Planning. Lecture Notes in Computer Science, 2014, , 48-62.	1.3	5
96	Retaining Consistency for Knowledge-Based Security Testing. Lecture Notes in Computer Science, 2014, , 88-97.	1.3	0
97	On the use of mutations and testing for debugging. Software - Practice and Experience, 2013, 43, 1121-1142.	3.6	17
98	Mutation-based spreadsheet debugging. , 2013, , .		6
99	Using Dependency Relations to Improve Test Case Generation from UML Statecharts. , 2013, , .		7
100	Functional SOA testing based on constraints. , 2013, , .		7
101	Fifty Shades of Grey in SOA Testing. , 2013, , .		10
102	SOA Grey Box Testing -- A Constraint-Based Approach. , 2013, , .		9
103	The Right Choice Matters! SMT Solving Substantially Improves Model-Based Debugging of Spreadsheets. , 2013, , .		8
104	XSS pattern for attack modeling in testing. , 2013, , .		13
105	The dark side of SOA testing: Towards testing contemporary SOAs based on criticality metrics. , 2013, , .		3
106	Improving Test Case Generation from UML Statecharts by Using Control, Data and Communication Dependencies. , 2013, , .		9
107	On classification and modeling issues in distributed model-based diagnosis. AI Communications, 2013, 26, 133-143.	1.2	3
108	Intelligent engineering techniques for knowledge bases. AI Communications, 2013, 26, 1-2.	1.2	4

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109	Model-Based Reasoning for Self-Adaptive Systems â€“ Theory and Practice. Lecture Notes in Computer Science, 2013, , 187-213.	1.3	13
110	On the Empirical Evaluation of Fault Localization Techniques for Spreadsheets. Lecture Notes in Computer Science, 2013, , 68-82.	1.3	36
111	AI for the win. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2012, 37, 1-8.	0.7	8
112	Debugging Spreadsheets: A CSP-based Approach. , 2012, , .		8
113	AUTOMATED DEBUGGING OF VERILOG DESIGNS. International Journal of Software Engineering and Knowledge Engineering, 2012, 22, 695-723.	0.8	4
114	Open Research Challenges of Localizing Faults in Programs Using Constraints. , 2012, , .		0
115	Category Partition Method and Satisfiability Modulo Theories for test case generation. , 2012, , .		2
116	Reducing the Size of Dynamic Slicing with Constraint Solving. , 2012, , .		1
117	Combining Slicing and Constraint Solving for Better Debugging: The CONBAS Approach. Advances in Software Engineering, 2012, 2012, 1-18.	0.6	9
118	Guest Editorial for the Special Issue on Model-Based Testing. Software Testing Verification and Reliability, 2012, 22, 295-296.	2.0	0
119	Model based test case generation for distributed embedded systems. , 2012, , .		9
120	Diagnosis and repair of dependent failures in the control system ofÂa mobile autonomous robot. Applied Intelligence, 2012, 36, 511-528.	5.3	13
121	Automated debugging based on a constraint model of the program and a test case. The Journal of Logic and Algebraic Programming, 2012, 81, 390-407.	1.4	32
122	The SiMoL Modeling Language for Simulation and (Re-)Configuration. Lecture Notes in Computer Science, 2012, , 661-672.	1.3	1
123	Program Debugging Using Constraints -- Is it Feasible?. , 2011, , .		5
124	An Abstract Operational Framework for Dependence Models in Software Debugging. , 2011, , .		0
125	Fault Prediction Capability of Program File's Logical-Coupling Metrics. , 2011, , .		4
126	Abstracting timing information in UML state charts via temporal ordering and LOTOS. , 2011, , .		8

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127	The IntiSa Approach: Test Input Data Generation for Non-primitive Data Types by Means of SMT Solver Based Bounded Model Checking. , 2011, , .		0
128	On the Use of Constraints in Dynamic Slicing for Program Debugging. , 2011, , .		1
129	On the Use of Abduction as an Alternative to Decision Trees in Environmental Decision Support Systems. International Journal of Agricultural and Environmental Information Systems, 2011, 2, 63-82.	2.0	6
130	Compositional Random Testing Using Extended Symbolic Transition Systems. Lecture Notes in Computer Science, 2011, , 179-194.	1.3	2
131	Impact analysis of SCRs using single and multi-label machine learning classification. , 2010, , .		13
132	Generating Distinguishing Tests Using the Minion Constraint Solver. , 2010, , .		13
133	Fault Localization Based on Dynamic Slicing and Hitting-Set Computation. , 2010, , .		24
134	Alana. , 2010, , .		6
135	Automatically extracting mock object behavior from Design by Contract#8482; specification for test data generation. , 2010, , .		12
136	When BDDs Fail: Conformance Testing with Symbolic Execution and SMT Solving. , 2010, , .		7
137	Synthesize It: From Design by Contract to Meaningful Test Input Data. , 2010, , .		4
138	Challenges of Distributed Model-Based Diagnosis. Lecture Notes in Computer Science, 2010, , 711-720.	1.3	2
139	On the Complexity of Program Debugging Using Constraints for Modeling the Programâ€™s Syntax and Semantics. Lecture Notes in Computer Science, 2010, , 22-31.	1.3	13
140	Does Testing Help to Reduce the Number of Potentially Faulty Statements in Debugging?. Lecture Notes in Computer Science, 2010, , 88-103.	1.3	11
141	Concept Evaluation of a Reflex Inspired Ball Handling Device for Autonomous Soccer Robots. Lecture Notes in Computer Science, 2010, , 11-22.	1.3	0
142	Employing Test Suites for Verilog Fault Localization. Lecture Notes in Computer Science, 2010, , 1-10.	1.3	1
143	Test Patterns for Verilog Design Error Localization. , 2009, , .		1
144	Are There Language Specific Bug Patterns? Results Obtained from a Case Study Using Mozilla. , 2009, , .		3

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145	Robust Plan Execution Using Model-Based Reasoning. Advanced Robotics, 2009, 23, 1315-1326.	1.8	10
146	On the Use of Abduction as an Alternative to Decision Trees in Environmental Decision Support Systems. , 2009, , .		1
147	Automatic Software Bug Triage System (BTS) Based on Latent Semantic Indexing and Support Vector Machine. , 2009, , .		64
148	Asynchronous Input-Output Conformance Testing. , 2009, , .		17
149	On the order of test goals in specification-based testing. The Journal of Logic and Algebraic Programming, 2009, 78, 472-490.	1.4	6
150	Testing with model checkers: a survey. Software Testing Verification and Reliability, 2009, 19, 215-261.	2.0	131
151	Issues in using model checkers for test case generation. Journal of Systems and Software, 2009, 82, 1403-1418.	4.5	26
152	Conformance Testing of Hybrid Systems with Qualitative Reasoning Models. Electronic Notes in Theoretical Computer Science, 2009, 253, 53-69.	0.9	11
153	Using coverage to automate and improve test purpose based testing. Information and Software Technology, 2009, 51, 1601-1617.	4.4	10
154	Automatic Classification of Software Change Request Using Multi-label Machine Learning Methods. , 2009, , .		8
155	Java's alternatives and the limitations of Java when writing cross-platform applications for mobile devices in the medical domain. , 2009, , .		6
156	Software change classification using hunk metrics. , 2009, , .		5
157	Increasing Diversity in Coverage Test Suites Using Model Checking. , 2009, , .		2
158	GUI savvy end-to-end testing with smart monkeys. , 2009, , .		11
159	Bug-Inducing Language Constructs. , 2009, , .		1
160	Using Spectrum-Based Fault Localization for Test Case Grouping. , 2009, , .		2
161	Improving Coverage Based Test Purposes. , 2009, , .		4
162	A Practical Approach for the Online Diagnosis of Industrial Transportation Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1318-1323.	0.4	1

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163	Intelligent, Fault Adaptive Control of Autonomous Systems. Lecture Notes in Electrical Engineering, 2009, , 175-188.	0.4	2
164	Detect and Localize Faults in Alias-Free Programs Using Specification Knowledge. Lecture Notes in Computer Science, 2009, , 379-388.	1.3	2
165	Complementary Criteria for Testing Temporal Logic Properties. Lecture Notes in Computer Science, 2009, , 58-73.	1.3	5
166	Comining Quantitative and Qualitative Models with Active Observtions to Improve Diagnosis of Complex Systems. Lecture Notes in Electrical Engineering, 2009, , 203-216.	0.4	0
167	Rule-Set Extraction from C-Code. Lecture Notes in Electrical Engineering, 2009, , 75-88.	0.4	0
168	Using model-checkers to generate and analyze property relevant test-cases. Software Quality Journal, 2008, 16, 161-183.	2.2	25
169	Improving Fault-based Conformance Testing. Electronic Notes in Theoretical Computer Science, 2008, 220, 63-77.	0.9	11
170	Ordering Coverage Goals in Model Checker Based Testing. , 2008, , .		7
171	Coverage Based Testing with Test Purposes. , 2008, , .		8
172	Towards Automated Online Diagnosis of Robot Navigation Software. Lecture Notes in Computer Science, 2008, , 159-170.	1.3	8
173	Qr-model based testing. , 2008, , .		1
174	A Teleo-Reactive Architecture for Fast, Reactive and Robust Control of Mobile Robots. Lecture Notes in Computer Science, 2008, , 541-550.	1.3	11
175	Analysing Bug Prediction Capabilities of Static Code Metrics in Open Source Software. Lecture Notes in Computer Science, 2008, , 331-343.	1.3	11
176	Collaboration of Intelligent, Autonomous Systems: Situation Aware Behavior Change. Studies in Computational Intelligence, 2008, , 283-288.	0.9	0
177	Converting Programs into Constraint Satisfaction Problems. Studies in Computational Intelligence, 2008, , 228-236.	0.9	0
178	Test Case Generation from QR Models. Lecture Notes in Computer Science, 2008, , 235-244.	1.3	0
179	Advances in Automated Source-Level Debugging of Verilog Designs. Studies in Computational Intelligence, 2008, , 363-372.	0.9	5
180	Using LTL rewriting to improve the performance of model-checker based test-case generation. , 2007, , .		15

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181	Test purpose generation in an industrial application. , 2007, , .		6
182	Fault detection in multi-threaded c++ server applications. , 2007, , .		10
183	Model-based fault diagnosis and reconfiguration of robot drives. , 2007, , .		13
184	Intelligent, Fault Tolerant Control for Autonomous Systems. , 2007, , .		1
185	Nondeterministic Testing with Linear Model-Checker Counterexamples. , 2007, , .		4
186	Combining Quantitative and Qualitative Models with Active Observations for better Diagnoses of Autonomous Mobile Robots. , 2007, , .		1
187	Protocol Conformance Testing a SIP Registrar: an Industrial Application of Formal Methods. , 2007, , .		22
188	Knowledge Extraction from C-Code. , 2007, , .		1
189	Mutant Minimization for Model-Checker Based Test-Case Generation. , 2007, , .		13
190	Improving Model-Checkers for Software Testing. , 2007, , .		3
191	Test-Case Generation and Coverage Analysis for Nondeterministic Systems Using Model-Checkers. , 2007, , .		14
192	Handling Model Changes: Regression Testing and Test-Suite Update with Model-Checkers. Electronic Notes in Theoretical Computer Science, 2007, 190, 33-46.	0.9	16
193	Improving Robustness of Mobile Robots Using Model-based Reasoning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 37-54.	3.4	22
194	Fault Detection in Multi-Threaded C++ Server Applications. Electronic Notes in Theoretical Computer Science, 2007, 174, 5-22.	0.9	10
195	Redundancy Based Test-Suite Reduction. , 2007, , 291-305.		38
196	Model-Based Reasoning for Self-Repair of Autonomous Mobile Robots. Studies in Computational Intelligence, 2007, , 431-445.	0.9	1
197	Diagnosing Dependent Failures in the Hardware and Software of Mobile Autonomous Robots. , 2007, , 633-643.		3
198	Mutant Minimization for Model-Checker Based Test-Case Generation. , 2007, , .		2

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199	Using Model-Checkers for Mutation-Based Test-Case Generation, Coverage Analysis and Specification Analysis. , 2006, , .		14
200	Property relevant software testing with model-checkers. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2006, 31, 1-10.	0.7	18
201	Using AI Techniques for Fault Localization in Component-Oriented Software Systems. Lecture Notes in Computer Science, 2006, , 1139-1149.	1.3	3
202	Real-Time Diagnosis and Repair of Faults of Robot Control Software. Lecture Notes in Computer Science, 2006, , 13-23.	1.3	22
203	Towards Lightweight Fault Localization in Procedural Programs. Lecture Notes in Computer Science, 2006, , 660-667.	1.3	2
204	Fault Localization Based on Abstract Dependencies. Lecture Notes in Computer Science, 2005, , 357-359.	1.3	2
205	Error traces in model-based debugging of hardware description languages. , 2005, , .		6
206	Debugging VHDL Designs: Introducing Multiple Models and First Empirical Results. Applied Intelligence, 2004, 21, 159-172.	5.3	6
207	Local Maximum Ozone Concentration Prediction Using Soft Computing Methodologies. Systems Analysis Modelling Simulation, 2003, 43, 1011-1031.	0.1	13
208	Debugging VHDL Designs Using Temporal Process Instances. , 2003, , 403-416.		2
209	On the relationship between model-based debugging and program slicing. Artificial Intelligence, 2002, 135, 125-143.	5.8	53
210	Debugging Hardware Designs Using a Value-Based Model. Applied Intelligence, 2002, 16, 71-92.	5.3	22
211	Model-Based Debugging or How to Diagnose Programs Automatically. Lecture Notes in Computer Science, 2002, , 746-757.	1.3	32
212	Diagnosing tree-structured systemsâ˜†â˜†Part of this work has been published in preliminary form in the Proceedings of the 15th International Joint Conference on Artificial Intelligence (IJCAI-97).. Artificial Intelligence, 2001, 127, 1-29.	5.8	33
213	A variant of Reiter's hitting-set algorithm. Information Processing Letters, 2001, 79, 45-51.	0.6	56
214	Comparing Two Models for Software Debugging. Lecture Notes in Computer Science, 2001, , 351-365.	1.3	2
215	DiKe - A Model-Based Diagnosis Kernel and Its Application. Lecture Notes in Computer Science, 2001, , 440-454.	1.3	6
216	Using Multiple Models for Debugging VHDL Designs*. Lecture Notes in Computer Science, 2001, , 125-134.	1.3	3

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217	Locating Bugs in Java Programs â€" First Results of the Java Diagnosis Experiments Project. Lecture Notes in Computer Science, 2000, , 174-183.	1.3	8
218	Model-based diagnosis of hardware designs. Artificial Intelligence, 1999, 111, 3-39.	5.8	123
219	New Directions in Debugging Hardware Designs. Lecture Notes in Computer Science, 1999, , 226-235.	1.3	8
220	Model-Based Reconfiguration. , 1998, , 45-64.		12
221	Pursuing Intelligent Behavior in Cyberâ˜'Physical Systems by Lightweight Diagnosis. Advanced Intelligent Systems, 0, , 2100224.	6.1	0