

# Tsong Yueh Chen

## List of Publications by Year in descending order

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192  
papers

5,678  
citations

94381

37  
h-index

95218

68  
g-index

194  
all docs

194  
docs citations

194  
times ranked

1767  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Feedback-Directed Metamorphic Testing. ACM Transactions on Software Engineering and Methodology, 2023, 32, 1-34.   | 4.8 | 0         |
| 2  | Dynamic Random Testing of Web Services: A Methodology and Evaluation. IEEE Transactions on Services Computing, 2022, 15, 736-751.                            | 3.2 | 6         |
| 3  | Theoretical and Empirical Analyses of the Effectiveness of Metamorphic Relation Composition. IEEE Transactions on Software Engineering, 2022, 48, 1001-1017. | 4.3 | 9         |
| 4  | ReMuSSE: A Redundant Mutant Identification Technique Based on Selective Symbolic Execution. IEEE Transactions on Reliability, 2022, 71, 415-428.             | 3.5 | 2         |
| 5  | On the effectiveness of testing sentiment analysis systems with metamorphic testing. Information and Software Technology, 2022, 150, 106966.                 | 3.0 | 5         |
| 6  | Covering Array Constructors: An Experimental Analysis of Their Interaction Coverage and Fault Detection. Computer Journal, 2021, 64, 762-788.                | 1.5 | 2         |
| 7  | Beating Random Test Case Prioritization. IEEE Transactions on Reliability, 2021, 70, 654-675.  | 3.5 | 5         |
| 8  | Input Test Suites for Program Repair: A Novel Construction Method Based on Metamorphic Relations. IEEE Transactions on Reliability, 2021, 70, 285-303.       | 3.5 | 9         |
| 9  | Validating class integration test order generation systems with Metamorphic Testing. Information and Software Technology, 2021, 132, 106507.                 | 3.0 | 6         |
| 10 | Identification of Failure Regions for Programs With Numeric Inputs. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 651-667.    | 3.4 | 2         |
| 11 | Follow-up Test Cases are Better Than Source Test Cases in Metamorphic Testing: A Preliminary Study. , 2021, , .  |     | 0         |
| 12 | Metamorphic Testing for Block Ciphers. , 2021, , .   |     | 0         |
| 13 | Metamorphic Testing of Fake News Detection Software. , 2021, , .   |     | 3         |
| 14 | New visions on metamorphic testing after a quarter of a century of inception. , 2021, , .  |     | 6         |
| 15 | Using metamorphic relations to verify and enhance Artcode classification. Journal of Systems and Software, 2021, 182, 111060.                                | 3.3 | 4         |
| 16 | Testing multiple linear regression systems with metamorphic testing. Journal of Systems and Software, 2021, 182, 111062.                                     | 3.3 | 16        |
| 17 | MTKeras: An Automated Metamorphic Testing Platform. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 1235-1249.            | 0.6 | 0         |
| 18 | Perception Matters: Detecting Perception Failures of VQA Models Using Metamorphic Testing. , 2021, , .   |     | 19        |

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|----|--|------|-----------|
| 19 | MMFC-ART: a Fixed-size-Candidate-set Adaptive Random Testing approach based on the modified Metric-Memory tree. , 2021, , .                                      |      | 1         |
| 20 | Metamorphic Testing: Testing the Untestable. IEEE Software, 2020, 37, 46-53.   | 2.1  | 59        |
| 21 | Abstract Test Case Prioritization Using Repeated Small-Strength Level-Combination Coverage. IEEE Transactions on Reliability, 2020, 69, 349-372.                 | 3.5  | 9         |
| 22 | Metamorphic Relations for Enhancing System Understanding and Use. IEEE Transactions on Software Engineering, 2020, 46, 1120-1154.                                | 4.3  | 66        |
| 23 | Semiautomated Metamorphic Testing Approach for Geographic Information Systems: An Empirical Study. IEEE Transactions on Reliability, 2020, 69, 657-673.          | 3.5  | 8         |
| 24 | METTLE: A METamorphic Testing Approach to Assessing and Validating Unsupervised Machine Learning Systems. IEEE Transactions on Reliability, 2020, 69, 1293-1322. | 3.5  | 28        |
| 25 | Performance Analysis of Maximal Risk Evaluation Formulas for Spectrum-Based Fault Localization. Applied Sciences (Switzerland), 2020, 10, 398.                   | 1.3  | 6         |
| 26 | Exploiting the Largest Available Zone: A Proactive Approach to Adaptive Random Testing by Exclusion. IEEE Access, 2020, 8, 52475-52488.                          | 2.6  | 2         |
| 27 | An iterative metamorphic testing technique for web services and case studies. International Journal of Web and Grid Services, 2020, 16, 364.                     | 0.4  | 0         |
| 28 | Metamorphic Robustness Testing for Recommender Systems: A Case Study. , 2020, , .  |      | 3         |
| 29 | Adaptive Random Test Case Generation Based on Multi-objective Evolutionary Search. , 2020, , .   |      | 1         |
| 30 | Metamorphic Testing. ACM Computing Surveys, 2019, 51, 1-27.  | 16.1 | 234       |
| 31 | Adaptive Partition Testing. IEEE Transactions on Computers, 2019, 68, 157-169.   | 2.4  | 10        |
| 32 | KDFC-ART: a KD-tree approach to enhancing Fixed-size-Candidate-set Adaptive Random Testing. IEEE Transactions on Reliability, 2019, 68, 1444-1469.               | 3.5  | 13        |
| 33 | Toward a K-means clustering approach to adaptive random testing for object-oriented software. Science China Information Sciences, 2019, 62, 1.                   | 2.7  | 7         |
| 34 | METRIC+: A Metamorphic Relation Identification Technique Based on Input plus Output Domains. IEEE Transactions on Software Engineering, 2019, , 1-1.             | 4.3  | 17        |
| 35 | Metamorphic Relations for Detection of Performance Anomalies. , 2019, , .  |      | 10        |
| 36 | Prioritising abstract test cases: an empirical study. IET Software, 2019, 13, 313-326.   | 1.5  | 2         |

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| 37 | On the analysis of spectrum based fault localization using hitting sets. Journal of Systems and Software, 2019, 147, 106-123.   | 3.3 | 13        |
| 38 | Metamorphic Testing: A Simple Yet Effective Approach for Testing Scientific Software. Computing in Science and Engineering, 2019, 21, 66-72.                          | 1.2 | 7         |
| 39 | Generating Biased Dataset for Metamorphic Testing of Machine Learning Programs. Lecture Notes in Computer Science, 2019, , 56-64.                                     | 1.0 | 10        |
| 40 | Automated Testing of WS-BPEL Service Compositions: A Scenario-Oriented Approach. IEEE Transactions on Services Computing, 2018, 11, 616-629.                          | 3.2 | 15        |
| 41 | Test case prioritization for object-oriented software: An adaptive random sequence approach based on clustering. Journal of Systems and Software, 2018, 135, 107-125. | 3.3 | 58        |
| 42 | On the Selection of Strength for Fixed-Strength Interaction Coverage Based Prioritization. , 2018, , .  |     | 2         |
| 43 | An Empirical Comparison of Fixed-Strength and Mixed-Strength for Interaction Coverage Based Prioritization. IEEE Access, 2018, 6, 68350-68372.                        | 2.6 | 4         |
| 44 | Adaptive Random Testing in Detecting Layout Faults of Web Applications. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 1399-1428. | 0.6 | 9         |
| 45 | An experimental analysis of fault detection capabilities of covering array constructors. , 2018, , .  |     | 0         |
| 46 | Metamorphic testing for adobe analytics data collection javascript library. , 2018, , .   |     | 4         |
| 47 | Enhancing supervised classifications with metamorphic relations. , 2018, , .  |     | 3         |
| 48 | Diversity driven adaptive test generation for concurrent data structures. Information and Software Technology, 2018, 103, 162-173.                                    | 3.0 | 6         |
| 49 | A metamorphic testing approach for supporting program repair without the need for a test oracle. Journal of Systems and Software, 2017, 126, 127-140.                 | 3.3 | 30        |
| 50 | A Similarity Metric for the Inputs of OO Programs and Its Application in Adaptive Random Testing. IEEE Transactions on Reliability, 2017, 66, 373-402.                | 3.5 | 25        |
| 51 | Human Competitiveness of Genetic Programming in Spectrum-Based Fault Localisation. ACM Transactions on Software Engineering and Methodology, 2017, 26, 1-30.          | 4.8 | 59        |
| 52 | Harnessing Multiple Source Test Cases in Metamorphic Testing: A Case Study in Bioinformatics. , 2017, , .   |     | 3         |
| 53 | Out of sight, out of mind: a distance-aware forgetting strategy for adaptive random testing. Science China Information Sciences, 2017, 60, 1.                         | 2.7 | 22        |
| 54 | Identifying Failed Test Cases Through Metamorphic Testing. , 2017, , .  |     | 2         |

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|----|---|-----|-----------|
| 55 | Testing Proportional-Integral-Derivative (PID) Controller with Metamorphic Testing. , 2017, , .   |     | 0         |
| 56 | Error Trapping and Metamorphic Testing for Spreadsheet Failure Detection. Journal of Organizational and End User Computing, 2017, 29, 25-42.                                    | 1.6 | 4         |
| 57 | Metamorphic Testing for Adobe Data Analytics Software. , 2017, , .  |     | 11        |
| 58 | Integration of Metamorphic Testing with Program Repair Methods Based on Adaptive Search Strategies and Program Equivalence. Lecture Notes in Computer Science, 2017, , 413-429. | 1.0 | 1         |
| 59 | Prioritizing random combinatorial test suites. , 2017, , .  |     | 2         |
| 60 | A Revisit of the Integration of Metamorphic Testing and Test Suite Based Automated Program Repair. , 2017, , .  |     | 4         |
| 61 | Metamorphic testing: A new student engagement approach for a new software testing paradigm. , 2016, , .   |     | 9         |
| 62 | An Adaptive Sequence Approach for OOS Test Case Prioritization. , 2016, , .   |     | 8         |
| 63 | Looking for an MR?. , 2016, , .   |     | 2         |
| 64 | METRIC: METAmorphic Relation Identification based on the Category-choice framework. Journal of Systems and Software, 2016, 116, 177-190.  | 3.3 | 53        |
| 65 | A Cost-Effective Random Testing Method for Programs with Non-Numeric Inputs. IEEE Transactions on Computers, 2016, , 1-1.   | 2.4 | 20        |
| 66 | A cloud-based framework for applying metamorphic testing to a bioinformatics pipeline. , 2016, , .  |     | 4         |
| 67 | MT4WS: an automated metamorphic testing system for web services. International Journal of High Performance Computing and Networking, 2016, 9, 104.                              | 0.4 | 8         |
| 68 | The impact of source test case selection on the effectiveness of metamorphic testing. , 2016, , .   |     | 10        |
| 69 | Test Case Prioritization Using Adaptive Random Sequence with Category-Partition-Based Distance. , 2016, , .   |     | 14        |
| 70 | A random and coverage-based approach for fault localization prioritization. , 2016, , .   |     | 5         |
| 71 | Metamorphic Testing for Cybersecurity. Computer, 2016, 49, 48-55.   | 1.2 | 64        |
| 72 | Metamorphic testing as a test case selection strategy. Science China Information Sciences, 2016, 59, 1.   | 2.7 | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Metamorphic Testing for Software Quality Assessment: A Study of Search Engines. IEEE Transactions on Software Engineering, 2016, 42, 264-284. | 4.3 | 112       |
| 74 | Randomized Quasi-Random Testing. IEEE Transactions on Computers, 2016, 65, 1896-1909.   | 2.4 | 17        |
| 75 | Poster: Enhancing Partition Testing through Output Variation. , 2015, , .   |     | 2         |
| 76 | Using Partition Information to Prioritize Test Cases for Fault Localization. , 2015, , .  |     | 11        |
| 77 | A Revisit of a Theoretical Analysis on Spectrum-Based Fault Localization. , 2015, , .   |     | 10        |
| 78 | Teaching software testing skills: Metamorphic testing as vehicle for creativity and effectiveness in software testing. , 2015, , .            |     | 5         |
| 79 | How to test bioinformatics software?. Biophysical Reviews, 2015, 7, 343-352.  | 1.5 | 16        |
| 80 | A New Approach for Network Vulnerability Analysis. Computer Journal, 2015, 58, 878-891.   | 1.5 | 4         |
| 81 | A revisit of three studies related to random testing. Science China Information Sciences, 2015, 58, 1-9.                                      | 2.7 | 56        |
| 82 | Metamorphic Testing: A Simple Method for Alleviating the Test Oracle Problem. , 2015, , .   |     | 17        |
| 83 | Adaptive and Random Partition Software Testing. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1649-1664.             | 5.9 | 21        |
| 84 | Bottom-up Integration Testing with the Technique of Metamorphic Testing. , 2014, , .  |     | 3         |
| 85 | Metamorphic fault tolerance: an automated and systematic methodology for fault tolerance in the absence of test oracle. , 2014, , .           |     | 11        |
| 86 | How Effectively Does Metamorphic Testing Alleviate the Oracle Problem?. IEEE Transactions on Software Engineering, 2014, 40, 4-22.            | 4.3 | 162       |
| 87 | How can non-technical end users effectively test their spreadsheets?. Information Technology and People, 2014, 27, 440-462.                   | 1.9 | 8         |
| 88 | Testing Central Processing Unit scheduling algorithms using Metamorphic Testing. , 2013, , .  |     | 4         |
| 89 | On the Correlation between the Effectiveness of Metamorphic Relations and Dissimilarities of Test Case Executions. , 2013, , .                |     | 31        |
| 90 | The ART of Divide and Conquer: An Innovative Approach to Improving the Efficiency of Adaptive Random Testing. , 2013, , .                     |     | 16        |

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| 91  | Metamorphic slice: An application in spectrum-based fault localization. Information and Software Technology, 2013, 55, 866-879.   | 3.0 | 86        |
| 92  | An orchestrated survey of methodologies for automated software test case generation. Journal of Systems and Software, 2013, 86, 1978-2001.  | 3.3 | 493       |
| 93  | Backward-Slice-Based Statistical Fault Localization without Test Oracles. , 2013, , .   |     | 13        |
| 94  | Code Coverage of Adaptive Random Testing. IEEE Transactions on Reliability, 2013, 62, 226-237.  | 3.5 | 49        |
| 95  | Incremental Identification of Categories and Choices for Test Case Generation: A Study of the Software Practitioners' Preferences. , 2013, , .  |     | 2         |
| 96  | A theoretical analysis of the risk evaluation formulas for spectrum-based fault localization. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-40.                     | 4.8 | 253       |
| 97  | Impacts of Test Suite's Class Imbalance on Spectrum-Based Fault Localization Techniques. , 2013, , .  |     | 16        |
| 98  | PRIORITIZATION OF COMBINATORIAL TEST CASES BY INCREMENTAL INTERACTION COVERAGE. International Journal of Software Engineering and Knowledge Engineering, 2013, 23, 1427-1457.               | 0.6 | 17        |
| 99  | Provably Optimal and Human-Competitive Results in SBSE for Spectrum Based Fault Localisation. Lecture Notes in Computer Science, 2013, , 224-238.   | 1.0 | 60        |
| 100 | A New Method for Constructing Metamorphic Relations. , 2012, , .  |     | 47        |
| 101 | Distribution-Aware Mutation Analysis. , 2012, , .   |     | 3         |
| 102 | Metamorphic Testing: Applications and Integration with Other Methods: Tutorial Synopsis. , 2012, , .  |     | 8         |
| 103 | Scenario-Oriented Testing for Web Service Compositions Using BPEL. , 2012, , .  |     | 7         |
| 104 | DESSERT: a Divide-and-conquer methodology for identifying categorieS, choiceS, and choice Relations for Test case generation. IEEE Transactions on Software Engineering, 2012, 38, 794-809. | 4.3 | 13        |
| 105 | Towards Dynamic Random Testing for Web Services. , 2012, , .  |     | 2         |
| 106 | Adaptive Random Test Case Generation for Combinatorial Testing. , 2012, , .   |     | 20        |
| 107 | Comparison of adaptive random testing and random testing under various testing and debugging scenarios. Software - Practice and Experience, 2012, 42, 1055-1074.                            | 2.5 | 10        |
| 108 | Automated functional testing of online search services. Software Testing Verification and Reliability, 2012, 22, 221-243.   | 1.7 | 69        |

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| 109 | How well does test case prioritization integrate with statistical fault localization?. Information and Software Technology, 2012, 54, 739-758.  | 3.0 | 50        |
| 110 | An enhanced flow analysis technique for detecting unreachability faults in concurrent systems. Information Sciences, 2012, 194, 254-269.  | 4.0 | 2         |
| 111 | Choices, Choices: Comparing between CHOC™LATE and the Classification-Tree Methodology. Lecture Notes in Computer Science, 2012, , 162-176.  | 1.0 | 4         |
| 112 | An Analysis of Failure-Based Test Profiles for Random Testing. , 2011, , .  |     | 2         |
| 113 | Testing embedded software by metamorphic testing: A wireless metering system case study. , 2011, , .  |     | 24        |
| 114 | An assessment of systems and software engineering scholars and institutions (2003â€“2007 and) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50   | 3.3 | 28        |
| 115 | Adaptive random testing through test profiles. Software - Practice and Experience, 2011, 41, 1131-1154.   | 2.5 | 17        |
| 116 | Testing and validating machine learning classifiers by metamorphic testing. Journal of Systems and Software, 2011, 84, 544-558.   | 3.3 | 262       |
| 117 | Spectrum-Based Fault Localization: Testing Oracles are No Longer Mandatory. , 2011, , .   |     | 29        |
| 118 | VERIFICATION OF PHYLOGENETIC INFERENCE PROGRAMS USING METAMORPHIC TESTING. Journal of Bioinformatics and Computational Biology, 2011, 09, 729-747.  | 0.3 | 10        |
| 119 | AUTOMATIC VERIFICATION OF OPTIMIZATION ALGORITHMS: A CASE STUDY OF A QUADRATIC ASSIGNMENT PROBLEM SOLVER. International Journal of Software Engineering and Knowledge Engineering, 2011, 21, 289-307. | 0.6 | 5         |
| 120 | A revisit of fault class hierarchies in general boolean specifications. ACM Transactions on Software Engineering and Methodology, 2011, 20, 1-11.   | 4.8 | 167       |
| 121 | Adaptive Random Testing: The ART of test case diversity. Journal of Systems and Software, 2010, 83, 60-66.  | 3.3 | 270       |
| 122 | Adaptive Random Testing by Exclusion through Test Profile. , 2010, , .  |     | 17        |
| 123 | Isolating Suspiciousness from Spectrum-Based Fault Localization Techniques. , 2010, , .   |     | 22        |
| 124 | Teaching an End-User Testing Methodology. , 2010, , .   |     | 6         |
| 125 | Metamorphic Testing: A Simple Approach to Alleviate the Oracle Problem. , 2010, , .   |     | 7         |
| 126 | An innovative approach for testing bioinformatics programs using metamorphic testing. BMC Bioinformatics, 2009, 10, 24.   | 1.2 | 115       |



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| 127 | Application of a Failure Driven Test Profile in Random Testing. IEEE Transactions on Reliability, 2009, 58, 179-192.   | 3.5 | 18        |
| 128 | An assessment of systems and software engineering scholars and institutions (2002â€“2006). Journal of Systems and Software, 2009, 82, 1370-1373.                     | 3.3 | 17        |
| 129 | On detecting faults for Boolean expressions. Software Quality Journal, 2009, 17, 245-261.  | 1.4 | 14        |
| 130 | Adaptive random testing based on distribution metrics. Journal of Systems and Software, 2009, 82, 1419-1433.   | 3.3 | 32        |
| 131 | An Innovative Approach to Randomising Quasi-random Sequences and Its Application into Software Testing. , 2009, , .  |     | 4         |
| 132 | Application of Metamorphic Testing to Supervised Classifiers. , 2009, 2009, 135-144.   |     | 59        |
| 133 | Conformance Testing of Network Simulators Based on Metamorphic Testing Technique. Lecture Notes in Computer Science, 2009, , 243-248.                                | 1.0 | 15        |
| 134 | Distributing test cases more evenly in adaptive random testing. Journal of Systems and Software, 2008, 81, 2146-2162.  | 3.3 | 20        |
| 135 | Enhancing adaptive random testing for programs with high dimensional input domains or failure-unrelated parameters. Software Quality Journal, 2008, 16, 303-327.     | 1.4 | 19        |
| 136 | An assessment of systems and software engineering scholars and institutions (2001â€“2005). Journal of Systems and Software, 2008, 81, 1059-1062.                     | 3.3 | 14        |
| 137 | Does Adaptive Random Testing Deliver a Higher Confidence than Random Testing?. , 2008, , .   |     | 10        |
| 138 | ON THE ONLINE PARAMETER ESTIMATION PROBLEM IN ADAPTIVE SOFTWARE TESTING. International Journal of Software Engineering and Knowledge Engineering, 2008, 18, 357-381. | 0.6 | 8         |
| 139 | An upper bound on software testing effectiveness. ACM Transactions on Software Engineering and Methodology, 2008, 17, 1-27.  | 4.8 | 76        |
| 140 | ON FAVOURABLE CONDITIONS FOR ADAPTIVE RANDOM TESTING. International Journal of Software Engineering and Knowledge Engineering, 2007, 17, 805-825.                    | 0.6 | 34        |
| 141 | Distribution Metric Driven Adaptive Random Testing. , 2007, , .  |     | 7         |
| 142 | Enhancing Adaptive Random Testing through Partitioning by Edge and Centre. Proceedings / Australian Software Engineering Conference, 2007, , .                       | 0.0 | 7         |
| 143 | Quasi-Random Testing. IEEE Transactions on Reliability, 2007, 56, 562-568.   | 3.5 | 47        |
| 144 | Adaptive random testing through iterative partitioning revisited. , 2006, , .  |     | 5         |

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| 145 | On the statistical properties of testing effectiveness measures. Journal of Systems and Software, 2006, 79, 591-601.   | 3.3 | 55        |
| 146 | Automatic generation of test cases from Boolean specifications using the MUMCUT strategy. Journal of Systems and Software, 2006, 79, 820-840.  | 3.3 | 36        |
| 147 | An assessment of systems and software engineering scholars and institutions (2000â€“2004). Journal of Systems and Software, 2006, 79, 816-819.                                       | 3.3 | 21        |
| 148 | RESTRICTED RANDOM TESTING: ADAPTIVE RANDOM TESTING BY EXCLUSION. International Journal of Software Engineering and Knowledge Engineering, 2006, 16, 553-584.                         | 0.6 | 68        |
| 149 | An assessment of systems and software engineering scholars and institutions (1999â€“2003). Journal of Systems and Software, 2005, 76, 91-97.   | 3.3 | 20        |
| 150 | Quasi-random testing. , 2005, , .  |     | 16        |
| 151 | Experience With Teaching Black-Box Testing in a Computer Science/Software Engineering Curriculum. IEEE Transactions on Education, 2004, 47, 42-50.                                   | 2.0 | 24        |
| 152 | Resource constraints analysis of workflow specifications. Journal of Systems and Software, 2004, 73, 271-285.  | 3.3 | 70        |
| 153 | On the testing methods used by beginning software testers. Information and Software Technology, 2004, 46, 329-335.   | 3.0 | 6         |
| 154 | On the identification of categories and choices for specification-based test case generation. Information and Software Technology, 2004, 46, 887-898.                                | 3.0 | 30        |
| 155 | Mirror adaptive random testing. Information and Software Technology, 2004, 46, 1001-1010.  | 3.0 | 69        |
| 156 | An Automatic Test Data Generation System Based on the Integrated Classification-Tree Methodology. Lecture Notes in Computer Science, 2004, , 225-238.                                | 1.0 | 6         |
| 157 | Good Random Testing. Lecture Notes in Computer Science, 2004, , 200-212.   | 1.0 | 7         |
| 158 | Fault-based testing without the need of oracles. Information and Software Technology, 2003, 45, 1-9.   | 3.0 | 128       |
| 159 | A choice relation framework for supporting category-partition test case generation. IEEE Transactions on Software Engineering, 2003, 29, 577-593.                                    | 4.3 | 50        |
| 160 | Normalized Restricted Random Testing. Lecture Notes in Computer Science, 2003, , 368-381.  | 1.0 | 20        |
| 161 | Restricted Random Testing. Lecture Notes in Computer Science, 2002, , 321-330.   | 1.0 | 50        |
| 162 | A decision-theoretic approach to the test allocation problem in partition testing. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 733-745. | 3.4 | 4         |

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| 163 | On the maximin algorithms for test allocations in partition testing. Information and Software Technology, 2001, 43, 97-107.   | 3.0 | 4         |
| 164 | Test case selection strategies based on Boolean specifications. Software Testing Verification and Reliability, 2001, 11, 165-180.   | 1.7 | 55        |
| 165 | Proportional sampling strategy: a compendium and some insights. Journal of Systems and Software, 2001, 58, 65-81.   | 3.3 | 111       |
| 166 | An assessment of Systems and Software Engineering scholars and institutions (1996â€“2000). Journal of Systems and Software, 2001, 59, 107-113.  | 3.3 | 11        |
| 167 | The universal safeness of test allocation strategies for partition testing. Information Sciences, 2000, 129, 105-118.   | 4.0 | 3         |
| 168 | On the Completeness of a Test Suite Reduction Strategy. Computer Journal, 1999, 42, 430-440.  | 1.5 | 8         |
| 169 | A New Perspective of the Proportional Sampling Strategy. Computer Journal, 1999, 42, 693-698.   | 1.5 | 5         |
| 170 | AN AUTOMATED TOOL (IDAF) TO MANIPULATE INTERACTION DIAGRAMS AND FRAGMENTATIONS FOR MULTI-AGENT SYSTEMS. International Journal of Software Engineering and Knowledge Engineering, 1999, 09, 127-149. | 0.6 | 2         |
| 171 | Automated Test Case Generation for BDI Agents. Autonomous Agents and Multi-Agent Systems, 1999, 2, 311-332.   | 1.3 | 21        |
| 172 | A simulation study on some heuristics for test suite reduction. Information and Software Technology, 1998, 40, 777-787.   | 3.0 | 55        |
| 173 | On the effectiveness of classification trees for test case construction. Information and Software Technology, 1998, 40, 765-775.  | 3.0 | 6         |
| 174 | On the expected number of failures detected by subdomain testing and random testing. IEEE Transactions on Software Engineering, 1996, 22, 109-119.  | 4.3 | 109       |
| 175 | On the Structural Properties of the Set of Fixpoints for Nondeterministic Recursive Definitions. Journal of Computer and System Sciences, 1996, 52, 80-86.  | 0.9 | 0         |
| 176 | A more general sufficient condition for partition testing to be better than random testing. Information Processing Letters, 1996, 57, 145-149.  | 0.4 | 18        |
| 177 | Proportional sampling strategy: guidelines for software testing practitioners. Information and Software Technology, 1996, 38, 775-782.  | 3.0 | 114       |
| 178 | Dividing strategies for the optimization of a test suite. Information Processing Letters, 1996, 60, 135-141.  | 0.4 | 129       |
| 179 | The use of Prolog in the modelling and evaluation of structure charts. Information and Software Technology, 1994, 36, 23-33.  | 3.0 | 3         |
| 180 | On the relationship between partition and random testing. IEEE Transactions on Software Engineering, 1994, 20, 977-980.   | 4.3 | 102       |

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| 181 | On the Consistency of Multi-valued Functions. Computer Journal, 1990, 33, 570-572.  | 1.5 | 1         |
| 182 | COD " A dynamic data flow analysis system for Cobol. Information and Management, 1987, 12, 65-72.   | 3.6 | 6         |
| 183 | AIDA"A dynamic data flow anomaly detection system for pascal programs. Software - Practice and Experience, 1987, 17, 227-239.                     | 2.5 | 24        |
| 184 | On the fixpoints of nondeterministic recursive definitions. Journal of Computer and System Sciences, 1984, 29, 58-79.                             | 0.9 | 1         |
| 185 | On the relationship between computed functions and fixpoints of nondeterministic recursive definitions. Information and Control, 1981, 50, 13-22. | 1.3 | 2         |
| 186 | Formalization of correctness of recursive definitions. International Journal of Computer & Information Sciences, 1980, 9, 55-61.                  | 0.2 | 3         |
| 187 | Formalization of equivalence of recursively defined functions. Information Sciences, 1978, 15, 219-227.   | 4.0 | 3         |
| 188 | CDFA: a testing system for C++. , 0, , .  |     | 0         |
| 189 | Using the Information: Incorporating Positive Feedback Information into the Testing Process. , 0, , .   |     | 1         |
| 190 | On the statistical properties of the F-measure. , 0, , .  |     | 14        |
| 191 | A revisit of adaptive random testing by restriction. , 0, , .   |     | 5         |
| 192 | Teaching Automated Test Case Generation. , 0, , .   |     | 2         |