# Zhi Quan Zhou

List of Publications by Year
in descending order

| 40 papers | 1,122 citations | 933410 10 h-index | 940516 16 g-index |
|---|---|---|---|
| 40 all docs | 40 docs citations | 40 times ranked | 408 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Metamorphic testing of named entity recognition systems: A case study. IET Software, 2022, 16, 386-404. | 2.1 | 2 |
| 2 | Preparing Future SQA Professionals: An Experience Report of Metamorphic Exploration of an Autonomous Driving System. , 2022, , . | | 2 |
| 3 | Beating Random Test Case Prioritization. IEEE Transactions on Reliability, 2021, 70, 654-675. | 4.6 | 5 |
| 4 | Metamorphic Robustness Testing: Exposing Hidden Defects in Citation Statistics and Journal Impact Factors. IEEE Transactions on Software Engineering, 2021, 47, 1164-1183. | 5.6 | 20 |
| 5 | Input Test Suites for Program Repair: A Novel Construction Method Based on Metamorphic Relations. IEEE Transactions on Reliability, 2021, 70, 285-303. | 4.6 | 9 |
| 6 | MT4NS: Metamorphic Testing for Network Scanning. , 2021, , . | | 9 |
| 7 | Enhancing Euro NCAP Standards with Metamorphic Testing for Verification of Advanced Driver-Assistance Systems. , 2021, , . | | 4 |
| 8 | Metamorphic Testing for Block Ciphers. , 2021, , . | | 0 |
| 9 | Metamorphic Testing of Fake News Detection Software. , 2021, , . | | 3 |
| 10 | Using metamorphic relations to verify and enhance Artcode classification. Journal of Systems and Software, 2021, 182, 111060. | 4.5 | 4 |
| 11 | MTKeras: An Automated Metamorphic Testing Platform. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 1235-1249. | 0.8 | 0 |
| 12 | Metamorphic Testing: Testing the Untestable. IEEE Software, 2020, 37, 46-53. | 1.8 | 59 |
| 13 | Metamorphic Relations for Enhancing System Understanding and Use. IEEE Transactions on Software Engineering, 2020, 46, 1120-1154. | 5.6 | 66 |
| 14 | Metamorphic Fuzz Testing of Autonomous Vehicles. , 2020, , . | | 24 |
| 15 | A Testing Tool for Machine Learning Applications. , 2020, , . | | 3 |
| 16 | Metamorphic Robustness Testing of Google Translate. , 2020, , . | | 5 |
| 17 | ARCAMETES. , 2020, , . | | 0 |
| 18 | Metamorphic Testing. ACM Computing Surveys, 2019, 51, 1-27. | 23.0 | 234 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | An Extended Abstract of "Metamorphic Testing: Testing the Untestable". , 2019, , . | | 1 |
| 20 | Metamorphic testing of driverless cars. Communications of the ACM, 2019, 62, 61-67. | 4.5 | 146 |
| 21 | Preparing Software Quality Assurance Professionals: Metamorphic Exploration for Machine Learning. , 2019, , . | | 1 |
| 22 | Metamorphic Testing of Mapping Software. Lecture Notes in Business Information Processing, 2019, , 1-20. | 1.0 | 1 |
| 23 | A cost-effective software testing strategy employing online feedback information. Information Sciences, 2018, 422, 318-335. | 6.9 | 8 |
| 24 | Metamorphic Testing for Machine Translations: MT4MT. , 2018, , . | | 19 |
| 25 | A monte carlo method for metamorphic testing of machine translation services. , 2018, , . | | 12 |
| 26 | Enhancing supervised classifications with metamorphic relations. , 2018, , . | | 3 |
| 27 | Metamorphic testing 20 years later. , 2018, , . | | 12 |
| 28 | Metamorphic testing: A new student engagement approach for a new software testing paradigm. , 2016, , . | | 9 |
| 29 | Metamorphic Testing for Cybersecurity. Computer, 2016, 49, 48-55. | 1.1 | 64 |
| 30 | Metamorphic Testing for Software Quality Assessment: A Study of Search Engines. IEEE Transactions on Software Engineering, 2016, 42, 264-284. | 5.6 | 112 |
| 31 | A revisit of three studies related to random testing. Science China Information Sciences, 2015, 58, 1-9. | 4.3 | 56 |
| 32 | Adaptive Random Testing for Image Comparison in Regression Web Testing. , 2014, , . | | 7 |
| 33 | Similarity-Based Search for Model Checking: A Pilot Study with Java PathFinder. , 2013, , . | | 0 |
| 34 | On the Correlation between the Effectiveness of Metamorphic Relations and Dissimilarities of Test Case Executions. , 2013, , . | | 31 |
| 35 | On the Fault-Detection Capabilities of Adaptive Random Test Case Prioritization: Case Studies with Large Test Suites. , 2012, , . | | 18 |
| 36 | Metamorphic Testing: Applications and Integration with Other Methods: Tutorial Synopsis. , 2012, , . | | 8 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Function Substitution: Towards Constraint Solving in Software Testing. , 2012, , . | | 0 |
| 38 | Automated functional testing of online search services. Software Testing Verification and Reliability, 2012, 22, 221-243. | 2.0 | 69 |
| 39 | Semi-Proving: An Integrated Method for Program Proving, Testing, and Debugging. IEEE Transactions on Software Engineering, 2011, 37, 109-125. | 5.6 | 64 |
| 40 | Using Coverage Information to Guide Test Case Selection in Adaptive Random Testing. , 2010, , . | | 32 |