# Yoriyuki Yamagata

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 23 papers | 329 citations | 1684188<br>5 h-index | 1372567<br>10 g-index |
| 23 all docs | 23 docs citations | 23 times ranked | 277 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Anomaly Detection for a Water Treatment System Using Unsupervised Machine Learning. , 2017, , . | | 186 |
| 2 | Falsification of Cyber-Physical Systems Using Deep Reinforcement Learning. Lecture Notes in Computer Science, 2018, , 456-465. | 1.3 | 30 |
| 3 | Log-Based Anomaly Detection of CPS Using a Statistical Method. , 2017, , . | | 24 |
| 4 | Falsification of Cyber-Physical Systems Using Deep Reinforcement Learning. IEEE Transactions on Software Engineering, 2021, 47, 2823-2840. | 5.6 | 22 |
| 5 | ARCH-COMP 2020 Category Report: Falsification. , 0, , . | | 13 |
| 6 | Domain-Specific Languages with Scala. Lecture Notes in Computer Science, 2015, , 1-16. | 1.3 | 9 |
| 7 | ARCH-COMP 2019 Category Report: Falsification. , 0, , . | | 7 |
| 8 | Model-Based Testing of Stateful APIs with Modbat. , 2015, , . | | 6 |
| 9 | A formal semantics of extended hierarchical state transition matrices using CSP#. Formal Aspects of Computing, 2014, 26, 943-962. | 1.8 | 5 |
| 10 | Runtime Monitoring for Concurrent Systems. Lecture Notes in Computer Science, 2016, , 386-403. | 1.3 | 5 |
| 11 | A sequent calculus for limit computable mathematics. Annals of Pure and Applied Logic, 2008, 153, 111-126. | 0.5 | 4 |
| 12 | On Accelerating SMT-based Bounded Model Checking of HSTM Designs. , 2012, , . | | 4 |
| 13 | Java Pathfinder on Android Devices. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2017, 41, 1-5. | 0.7 | 4 |
| 14 | Strong Normalization of Second Order Symmetric Lambda-mu Calculus. Lecture Notes in Computer Science, 2001, , 459-467. | 1.3 | 4 |
| 15 | Evaluation of A Resilience Embedded System Using Probabilistic Model-Checking. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 150, 35-49. | 0.8 | 3 |
| 16 | Strong normalization of the second-order symmetric λμ-calculus. Information and Computation, 2004, 193, 1-20. | 0.7 | 1 |
| 17 | Formal semantics of extended hierarchical state transition matrix by CSP. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2012, 37, 1-8. | 0.7 | 1 |
| 18 | With an Open Mind: How to Write Good Models. Communications in Computer and Information Science, 2014, , 3-18. | 0.5 | 1 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Strong normalization of a symmetric lambda calculus for second-order classical logic. Archive for Mathematical Logic, 2002, 41, 91-99. | 0.3 | 0 |
| 20 | CONSISTENCY PROOF OF A FRAGMENT OF PV WITH SUBSTITUTION IN BOUNDED ARITHMETIC. Journal of Symbolic Logic, 2018, 83, 1063-1090. | 0.5 | 0 |
| 21 | Cardinality of UDP Transmission Outcomes. Lecture Notes in Computer Science, 2015, , 120-134. | 1.3 | 0 |
| 22 | Operational Semantics of Process Monitors. Lecture Notes in Computer Science, 2017, , 403-409. | 1.3 | 0 |
| 23 | Algebraic Approach for Confidence Evaluation of Assurance Cases. Lecture Notes in Computer Science, 2020, , 318-327. | 1.3 | 0 |