# Christian Colombo

List of Publications by Year
in descending order



| 47 | 565 | 840776 11 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 56 | 56 | 56 | 263 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Responding to Targeted Stealthy Attacks on Android Using Timely-Captured Memory Dumps. IEEE Access, 2022, 10, 35172-35218. | 4.2 | 2 |
| 2 | Model-Based Static and Runtime Verification for Ethereum Smart Contracts. Communications in Computer and Information Science, 2021, , 323-348. | 0.5 | 3 |
| 3 | Real-Time Triggering of Android Memory Dumps for Stealthy Attack Investigation. Lecture Notes in Computer Science, 2021, , 20-36. | 1.3 | 2 |
| 4 | Responding to Living-Off-the-Land Tactics using Just-In-Time Memory Forensics (JIT-MF) for Android. , 2021, , . | | 0 |
| 5 | Runtime verification for trustworthy secure shell deployment. , 2021, , . | | 1 |
| 6 | RV-TEE: secure cryptographic protocol execution based on runtime verification. Journal of Computer Virology and Hacking Techniques, 2021, 17, 229-248. | 2.2 | 3 |
| 7 | Runtime Verification: Passing on the Baton. Lecture Notes in Computer Science, 2021, , 89-107. | 1.3 | 0 |
| 8 | Responding to Living-Off-the-Land Tactics using Just-In-Time Memory Forensics (JIT-MF) for Android. , 2021, , . | | 1 |
| 9 | Towards a Comprehensive Solution for Secure Cryptographic Protocol Execution based on Runtime Verification. , 2020, , . | | 3 |
| 10 | Reducing the Forensic Footprint with Android Accessibility Attacks. Lecture Notes in Computer Science, 2020, , 22-38. | 1.3 | 6 |
| 11 | A Technique for Automata-based Verification with Residual Reasoning. , 2020, , . | | 6 |
| 12 | Runtime Verification of Contracts with Themulus. Lecture Notes in Computer Science, 2020, , 231-246. | 1.3 | 1 |
| 13 | Themulus: A Timed Contract-calculus. , 2020, , . | | 1 |
| 14 | CLARVA: Model-based Residual Verification of Java Programs. , 2020, , . | | 6 |
| 15 | A survey of challenges for runtime verification from advanced application domains (beyond) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 0.8 | 56 |
| 16 | First international Competition on Runtime Verification: rules, benchmarks, tools, and final results of CRV 2014. International Journal on Software Tools for Technology Transfer, 2019, 21, 31-70. | 1.9 | 48 |
| 17 | Contracts over Smart Contracts: Recovering from Violations Dynamically. Lecture Notes in Computer Science, 2018, , 300-315. | 1.3 | 10 |
| 18 | Industrial Experiences with Runtime Verification of Financial Transaction Systems: Lessons Learnt and Standing Challenges. Lecture Notes in Computer Science, 2018, , 211-232. | 1.3 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Considering Academia-Industry Projects Meta-characteristics in Runtime Verification Design. Lecture Notes in Computer Science, 2018, , 32-41. | 1.3 | 2 |
| 20 | COST Action IC1402 Runtime Verification Beyond Monitoring. Lecture Notes in Computer Science, 2018, , 18-26. | 1.3 | 1 |
| 21 | Using gherkin to extract tests and monitors for safer medical device interaction design. , 2016, , . | | 3 |
| 22 | Organising LTL monitors over distributed systems with a global clock. Formal Methods in System Design, 2016, 49, 109-158. | 0.8 | 34 |
| 23 | A Controlled Natural Language for Tax Fraud Detection. Lecture Notes in Computer Science, 2016, , 1-12. | 1.3 | 6 |
| 24 | Compliance Checking in the Open Payments Ecosystem. Lecture Notes in Computer Science, 2016, , 337-343. | 1.3 | 3 |
| 25 | An Automata-Based Approach to Evolving Privacy Policies for Social Networks. Lecture Notes in Computer Science, 2016, , 285-301. | 1.3 | 4 |
| 26 | A Model-Based Approach to Combining Static and Dynamic Verification Techniques. Lecture Notes in Computer Science, 2016, , 416-430. | 1.3 | 6 |
| 27 | Runtime Verification for Stream Processing Applications. Lecture Notes in Computer Science, 2016, , 400-406. | 1.3 | 2 |
| 28 | Using control flow analysis to improve the effectiveness of incremental mutation testing. , 2015, , . | | 0 |
| 29 | Lessons learnt from using DSLs for automated software testing. , 2015, , . | | 12 |
| 30 | Investigating Instrumentation Techniques for ESB Runtime Verification. Lecture Notes in Computer Science, 2015, , 99-107. | 1.3 | 3 |
| 31 | A Controlled Natural Language for Business Intelligence Monitoring. Lecture Notes in Computer Science, 2015, , 300-306. | 1.3 | 5 |
| 32 | Recovery within long-running transactions. ACM Computing Surveys, 2013, 45, 1-35. | 23.0 | 17 |
| 33 | Towards Incremental Mutation Testing. Electronic Notes in Theoretical Computer Science, 2013, 294, 2-11. | 0.9 | 11 |
| 34 | Fast-Forward Runtime Monitoring â€" An Industrial Case Study. Lecture Notes in Computer Science, 2013, , 214-228. | 1.3 | 11 |
| 35 | SMock â€" A Test Platform for Monitoring Tools. Lecture Notes in Computer Science, 2013, , 352-357. | 1.3 | 1 |
| 36 | Safer asynchronous runtime monitoring using compensations. Formal Methods in System Design, 2012, 41, 269-294. | 0.8 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | polyLarva: Runtime Verification with Configurable Resource-Aware Monitoring Boundaries. Lecture Notes in Computer Science, 2012, , 218-232. | 1.3 | 18 |
| 38 | LarvaStat: Monitoring of Statistical Properties. Lecture Notes in Computer Science, 2010, , 480-484. | 1.3 | 13 |
| 39 | LARVA --- Safer Monitoring of Real-Time Java Programs (Tool Paper). , 2009, , . | | 99 |
| 40 | Dynamic Event-Based Runtime Monitoring of Real-Time and Contextual Properties. Lecture Notes in Computer Science, 2009, , 135-149. | 1.3 | 56 |
| 41 | Verifying Web Applications: From Business Level Specifications to Automated Model-Based Testing. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 141, 14-28. | 0.8 | 8 |
| 42 | Comprehensive Monitor-Oriented Compensation Programming. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 147, 47-61. | 0.8 | 4 |
| 43 | Control-Flow Residual Analysis for Symbolic Automata. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 254, 29-43. | 0.8 | 4 |
| 44 | Simplifying Contract-Violating Traces. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 94, 11-20. | 0.8 | 2 |
| 45 | Extensible Technology-Agnostic Runtime Verification. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 108, 1-15. | 0.8 | 1 |
| 46 | Device-Centric Monitoring for Mobile Device Management. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 205, 31-44. | 0.8 | 2 |
| 47 | Exploring the Link Between Test Suite Quality and Automatic Specification Inference. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 254, 44-56. | 0.8 | 1 |