# Wolfgang Ahrendt

List of Publications by Year
in descending order

| 28 papers | 529 citations | 12 h-index | 22 g-index |
| --- | --- | --- | --- |
| | | 759233 | 677142 |

| 31 all docs | 31 docs citations | 31 times ranked | 255 citing authors |
| --- | --- | --- | --- |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 1 | Automatically Learning Formal Models from Autonomous Driving Software. Electronics (Switzerland), 2022, 11, 643. | 3.1 | 3 |
| 2 | Deductive Verification of Floating-Point Java Programs in KeY. Lecture Notes in Computer Science, 2021, , 242-261. | 1.3 | 4 |
| 3 | Functional Verification of Smart Contracts via Strong Data Integrity. Lecture Notes in Computer Science, 2020, , 9-24. | 1.3 | 14 |
| 4 | A survey of challenges for runtime verification from advanced application domains (beyond) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T | 0.8 | 56 |
| 5 | A Broader View on Verification: From Static to Runtime and Back (Track Summary). Lecture Notes in Computer Science, 2018, , 3-7. | 1.3 | 0 |
| 6 | Testing meets static and runtime verification. , 2018, , . | | 8 |
| 7 | Verifying data- and control-oriented properties combining static and runtime verification: theory and tools. Formal Methods in System Design, 2017, 51, 200-265. | 0.8 | 27 |
| 8 | Integrating deductive verification and symbolic execution for abstract object creation in dynamic logic. Software and Systems Modeling, 2016, 15, 1117-1140. | 2.7 | 3 |
| 9 | StaRVOOrS â€" Episode II. Lecture Notes in Computer Science, 2016, , 402-415. | 1.3 | 3 |
| 10 | A Specification Language for Static and Runtime Verification of Data and Control Properties. Lecture Notes in Computer Science, 2015, , 108-125. | 1.3 | 17 |
| 11 | StaRVOOrS : A Tool for Combined Static and Runtime Verification of Java. Lecture Notes in Computer Science, 2015, , 297-305. | 1.3 | 23 |
| 12 | Reasoning About Loops Using Vampire in KeY. Lecture Notes in Computer Science, 2015, , 434-443. | 1.3 | 1 |
| 13 | The KeY Platform for Verification and Analysis of Java Programs. Lecture Notes in Computer Science, 2014, , 55-71. | 1.3 | 37 |
| 14 | Verifying (In-)Stability in Floating-Point Programs by Increasing Precision, Using SMT Solving. , 2013, , . | | 10 |
| 15 | Real-time Java API specifications for high coverage test generation. , 2012, , . | | 13 |
| 16 | A system for compositional verification of asynchronous objects. Science of Computer Programming, 2012, 77, 1289-1309. | 1.9 | 30 |
| 17 | A Unified Approach for Static and Runtime Verification: Framework and Applications. Lecture Notes in Computer Science, 2012, , 312-326. | 1.3 | 18 |
| 18 | Practical Aspects of Automated Deduction for Program Verification. KI - Kunstliche Intelligenz, 2010, 24, 43-49. | 3.2 | 2 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Integrated and Tool-Supported Teaching of Testing, Debugging, and Verification. Lecture Notes in Computer Science, 2009, , 125-143. | 1.3 | 3 |
| 20 | Abstract Object Creation in Dynamic Logic. Lecture Notes in Computer Science, 2009, , 612-627. | 1.3 | 7 |
| 21 | A Verification System for Distributed Objects with Asynchronous Method Calls. Lecture Notes in Computer Science, 2009, , 387-406. | 1.3 | 7 |
| 22 | Using KeY. , 2007, , 409-451. | | 4 |
| 23 | The KeY tool. Software and Systems Modeling, 2005, 4, 32-54. | 2.7 | 161 |
| 24 | Automatic Validation of Transformation Rules for Java Verification Against a Rewriting Semantics. Lecture Notes in Computer Science, 2005, , 412-426. | 1.3 | 14 |
| 25 | Deductive Search for Errors in Free Data Type Specifications Using Model Generation. Lecture Notes in Computer Science, 2002, , 211-225. | 1.3 | 7 |
| 26 | The Key System: Integrating Object-Oriented Design and Formal Methods. Lecture Notes in Computer Science, 2002, , 327-330. | 1.3 | 17 |
| 27 | The Approach: Integrating Object Oriented Design and Formal Verification. Lecture Notes in Computer Science, 2000, , 21-36. | 1.3 | 34 |
| 28 | Who is to Blame? Runtime Verification of Distributed Objects with Active Monitors. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 302, 32-46. | 0.8 | 0 |