# Hausi A MÃ¼ller

List of Publications by Year
in descending order



| 87 | 2,933 | 394421 | 330143 |
|---|---|---|---|
| papers | citations | 19 h-index | 37 g-index |

| 90 | 90 | 90 | 1409 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Designing Run-time Evolution for Dependable and Resilient Cyber-Physical Systems Using Digital Twins. Journal of Integrated Design and Process Science, 2022, 25, 48-79. | 0.5 | 1 |
| 2 | Designing Run-time Evolution for Dependable and Resilient Cyber-Physical Systems Using Digital Twins. Journal of Integrated Design and Process Science, 2021, , 1-32. | 0.5 | 2 |
| 3 | DevOps Round-Trip Engineering: Traceability from Dev to Ops and Back Again. Lecture Notes in Computer Science, 2019, , 73-88. | 1.3 | 5 |
| 4 | DevOpsâ€™ Shift-Left in Practice: An Industrial Case of Application. Lecture Notes in Computer Science, 2019, , 205-220. | 1.3 | 3 |
| 5 | Toward Smarter Autoflight Control System Infrastructure. Journal of Aerospace Information Systems, 2018, 15, 353-365. | 1.4 | 5 |
| 6 | Internet of Things: Part 2. , 2017, 55, 114-115. | | 8 |
| 7 | Internet of Things: Part 3. , 2017, 55, 108-109. | | 1 |
| 8 | Internet of Things: Part 4. , 2017, 55, 14-15. | | 0 |
| 9 | The Rise of Intelligent Cyber-Physical Systems. Computer, 2017, 50, 7-9. | 1.1 | 26 |
| 10 | Software Engineering for Self-Adaptive Systems: Research Challenges in the Provision of Assurances. Lecture Notes in Computer Science, 2017, , 3-30. | 1.3 | 49 |
| 11 | What Can Control Theory Teach Us About Assurances in Self-Adaptive Software Systems?. Lecture Notes in Computer Science, 2017, , 90-134. | 1.3 | 12 |
| 12 | Internet of Things: Part 1 [Guest editorial]. , 2016, 54, 12-13. | | 1 |
| 13 | ACon: A learning-based approach to deal with uncertainty in contextual requirements at runtime. Information and Software Technology, 2016, 70, 85-99. | 4.4 | 42 |
| 14 | Adaptive Management of Energy Consumption Using Adaptive Runtime Models. , 2015, , . | | 3 |
| 15 | SERVICES 2015 Visionary Track on Web Tasking. , 2015, , . | | 0 |
| 16 | 4th International Workshop on Green and Sustainable Software (GREENS 2015). , 2015, , . | | 0 |
| 17 | Self-adaptive applications: on the development of personalized web-tasking systems. , 2014, , . | | 9 |
| 18 | Personalized Web-Tasking Applications: An Online Grocery Shopping Prototype. , 2014, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Context-Based Face Recognition for Smart Web Tasking Applications. , 2014, , . | | 1 |
| 20 | Using Models at Runtime to Address Assurance for Self-Adaptive Systems. Lecture Notes in Computer Science, 2014, , 101-136. | 1.3 | 63 |
| 21 | Software Engineering for Self-Adaptive Systems: A Second Research Roadmap. Lecture Notes in Computer Science, 2013, , 1-32. | 1.3 | 317 |
| 22 | Combining service-orientation and software product line engineering: A systematic mapping study. Information and Software Technology, 2013, 55, 1845-1859. | 4.4 | 34 |
| 23 | PALTask Chat: A Personalized Automated Context Aware Web Resources Listing Tool. , 2013, , . | | 1 |
| 24 | Software engineering for the industrial Internet: Situation-aware smart applications. , 2013, , . | | 2 |
| 25 | 2nd International workshop on green and sustainable software (GREENS 2013). , 2013, , . | | 2 |
| 26 | RPC automation: Making legacy code relevant. , 2013, , . | | 1 |
| 27 | Improving context-awareness in self-adaptation using the DYNAMICO reference model. , 2013, , . | | 24 |
| 28 | Towards Practical Runtime Verification and Validation of Self-Adaptive Software Systems. Lecture Notes in Computer Science, 2013, , 108-132. | 1.3 | 49 |
| 29 | Legal aspects of web systems. , 2013, , . | | 1 |
| 30 | Towards Personalized Web-Tasking: Task Simplification Challenges. , 2013, , . | | 3 |
| 31 | Towards Smarter Task Applications. , 2013, , . | | 1 |
| 32 | DYNAMICO: A Reference Model for Governing Control Objectives and Context Relevance in Self-Adaptive Software Systems. Lecture Notes in Computer Science, 2013, , 265-293. | 1.3 | 31 |
| 33 | The SmarterContext Ontology and Its Application to the Smart Internet: A Smarter Commerce Case Study. Lecture Notes in Computer Science, 2013, , 151-184. | 1.3 | 1 |
| 34 | Web Service Assurance: The Notion and the Issues. Future Internet, 2012, 4, 92-109. | 3.8 | 6 |
| 35 | On supporting dynamic web service selection with histogramming. , 2011, , . | | 1 |
| 36 | Net-Casting model an information seeking model for automated information seeking processes. , 2011, , . | | 0 |

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|---|---|---|---|
| 37 | Optimizing run-time SOA governance through context-driven SLAs and dynamic monitoring. , 2011, , . | | 9 |
| 38 | A framework for evaluating quality-driven self-adaptive software systems. , 2011, , . | | 82 |
| 39 | Self-Healing Distributed Scheduling Platform. , 2011, , . | | 10 |
| 40 | Characterizing problems for realizing policies in self-adaptive and self-managing systems. , 2011, , . | | 3 |
| 41 | Rigiâ€"An environment for software reverse engineering, exploration, visualization, and redocumentation. Science of Computer Programming, 2010, 75, 247-263. | 1.9 | 38 |
| 42 | Migrating to SOA. , 2010, , . | | 5 |
| 43 | Integrated system diagnosis and root cause analysis. , 2010, , . | | 0 |
| 44 | Fifth Workshop on Software Engineering for Adaptive and Self-Managing Systems (SEAMS 2010). , 2010, , . | | 2 |
| 45 | Dynamic context-aware applications. , 2010, , . | | 0 |
| 46 | Managing Dynamic Context to Optimize Smart Interactions and Services. Lecture Notes in Computer Science, 2010, , 289-318. | 1.3 | 34 |
| 47 | The Tools Perspective on Software Reverse Engineering. Advances in Computers, 2010, 79, 189-290. | 1.6 | 15 |
| 48 | Investigating the Concept of Consumers as Producers in Virtual Worlds: Looking through Social, Technical, Economic, and Legal Lenses. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 187-202. | 0.3 | 4 |
| 49 | Complexity of Virtual Worldsâ€™ Terms of Service. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 79-90. | 0.3 | 1 |
| 50 | Autonomic Computing Now You See It, Now You Donâ€™t. Lecture Notes in Computer Science, 2009, , 32-54. | 1.3 | 16 |
| 51 | SEAMS 2009: Software engineering for adaptive and self-managing systems. , 2009, , . | | 4 |
| 52 | Static-Discovery Dynamic-Selection (SDDS) Approach to Web Service Discovery. , 2009, , . | | 4 |
| 53 | Software Engineering for Self-Adaptive Systems: A Research Roadmap. Lecture Notes in Computer Science, 2009, , 1-26. | 1.3 | 624 |
| 54 | Guest Editors' Introduction to the Special Section from the International Conference on Software Maintenance. IEEE Transactions on Software Engineering, 2009, 35, 450-451. | 5.6 | 0 |

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|---|---|---|---|
| 55 | Policy and Legal Challenges of VirtualWorlds and Social Network Sites. , 2008, , . | | 3 |
| 56 | Research challenges in management and compliance of policies on the web. , 2008, , . | | 4 |
| 57 | 2nd International Workshop on Advanced Software Development Tools and Techniques (WASDeTT): Tools for software maintenance, visualization, and reverse engineering. , 2008, , . | | 0 |
| 58 | A domain-customizable SVG-based graph editor for software visualizations. , 2008, , . | | 2 |
| 59 | Characterizing maintainability concerns in autonomic element design. , 2008, , . | | 10 |
| 60 | Monitoring in adaptive systems using reflection. , 2008, , . | | 12 |
| 61 | Towards a Process for Developing Maintenance Tools in Academia. , 2008, , . | | 1 |
| 62 | Requirements of Software Visualization Tools: A Literature Survey. , 2007, , . | | 39 |
| 63 | Dependencies Analysis of Azureus with Rigi: Tool Demo Challenge. , 2007, , . | | 1 |
| 64 | A Lightweight Taxonomy to Characterize Component-Based Systems. , 2007, , . | | 1 |
| 65 | SEAMS 2007: Software Engineering for Adaptive and Self-Managing Systems. , 2007, , . | | 1 |
| 66 | Leveraging Conceptual Models of Trust in Automated Systems to Promote `Appropriate Trust' in Autonomic Systems. , 2007, , . | | 1 |
| 67 | Quality Criteria and an Analysis Framework for Self-Healing Systems. , 2007, , . | | 16 |
| 68 | A WSAD-Based Fact Extractor for J2EE Web Projects. , 2007, , . | | 6 |
| 69 | Bits of History, Challenges for the Future and Autonomic Computing Technology. , 2006, , . | | 12 |
| 70 | DEAS 2005. , 2005, , . | | 0 |
| 71 | Shimba-an environment for reverse engineering Java software systems. Software - Practice and Experience, 2001, 31, 371-394. | 3.6 | 100 |
| 72 | How do program understanding tools affect how programmers understand programs?. Science of Computer Programming, 2000, 36, 183-207. | 1.9 | 79 |

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|---|---|---|---|
| 73 | Reverse engineering. , 2000, , . | | 134 |
| 74 | Cognitive design elements to support the construction of a mental model during software exploration. Journal of Systems and Software, 1999, 44, 171-185. | 4.5 | 175 |
| 75 | Customizing a Fisheye View Algorithm to Preserve the Mental Map. Journal of Visual Languages and Computing, 1999, 10, 245-267. | 1.8 | 25 |
| 76 | The software bookshelf. IBM Systems Journal, 1997, 36, 564-593. | 3.0 | 161 |
| 77 | Graph layout adjustment strategies. Lecture Notes in Computer Science, 1996, , 487-499. | 1.3 | 23 |
| 78 | MANIPULATING AND DOCUMENTING SOFTWARE STRUCTURES. Series on Software Engineering and Knowledge Engineering, 1996, , 244-263. | 0.1 | 22 |
| 79 | Structural redocumentation: a case study. IEEE Software, 1995, 12, 46-54. | 1.8 | 109 |
| 80 | UNDERSTANDING SOFTWARE SYSTEMS USING REVERSE ENGINEERING TECHNOLOGY. , 1995, , 240-252. | | 55 |
| 81 | PROGRAMMABLE REVERSE ENGINEERING. International Journal of Software Engineering and Knowledge Engineering, 1994, 04, 501-520. | 0.8 | 91 |
| 82 | A reverse-engineering approach to subsystem structure identification. Journal of Software: Evolution and Process, 1993, 5, 181-204. | 0.4 | 270 |
| 83 | Personalized information structures. , 1993, , . | | 13 |
| 84 | Presentation Of Software Development Information In K2. Infor, 1989, 27, 206-220. | 0.6 | 0 |
| 85 | Efficient recompilation of module interfaces in a software development environment. , 1987, , . | | 0 |
| 86 | Efficient recompilation of module interfaces in a software development environment. ACM SIGPLAN Notices, 1987, 22, 180-189. | 0.2 | 6 |
| 87 | Differences between Modula-2 and Pascal. ACM SIGPLAN Notices, 1984, 19, 32-39. | 0.2 | 1 |