

# Johannes Schlatow

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7494028/publications.pdf>

Version: 2024-02-01

19  
papers

199  
citations

2258059

3  
h-index

2272923

4  
g-index

19  
all docs

19  
docs citations

19  
times ranked

107  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Demonstrating Controlled Change for Autonomous Space Vehicles. , 2019, , .  |      | 2         |
| 2  | Self-Aware Scheduling for Mixed-Criticality Component-Based Systems. , 2019, , .  |      | 3         |
| 3  | Controlling Concurrent Change: Managing In-Field Change in Critical Embedded Systems. , 2018, , .   |      | 0         |
| 4  | Data-Age Analysis and Optimisation for Cause-Effect Chains in Automotive Control Systems. , 2018, , .   |      | 12        |
| 5  | Synthesis of Monitors for Networked Systems With Heterogeneous Safety Requirements. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 2824-2834. | 2.7  | 2         |
| 6  | Hardware and Software Task Scheduling for ARM-FPGA Platforms. , 2018, , .   |      | 6         |
| 7  | Platform-Centric Self-Awareness as a Key Enabler for Controlling Changes in CPS. Proceedings of the IEEE, 2018, 106, 1543-1567.   | 21.3 | 20        |
| 8  | Self-awareness in autonomous automotive systems. , 2017, , .  |      | 24        |
| 9  | Towards model-based integration of component-based automotive software systems. , 2017, , .   |      | 10        |
| 10 | Response-Time Analysis for Task Chains with Complex Precedence and Blocking Relations. Transactions on Embedded Computing Systems, 2017, 16, 1-19.                                      | 2.9  | 13        |
| 11 | Self-aware systems for the internet-of-things. , 2016, , .  |      | 15        |
| 12 | Response-Time Analysis for Task Chains in Communicating Threads. , 2016, , .  |      | 46        |
| 13 | Formal timing analysis of CAN-to-Ethernet gateway strategies in automotive networks. Real-Time Systems, 2016, 52, 88-112.   | 1.3  | 18        |
| 14 | Demo Abstract: Response-Time Analysis for Task Chains in Communicating Threads with pyCPA. , 2016, , .  |      | 0         |
| 15 | An Extensible Autonomous Reconfiguration Framework for Complex Component-Based Embedded Systems. , 2015, , .  |      | 13        |
| 16 | Specifying a middleware for distributed embedded vehicle control systems. , 2014, , .   |      | 5         |
| 17 | Contract-based dynamic task management for mixed-criticality systems. , 2011, , .   |      | 4         |
| 18 | Using Multi-Viewpoint Contracts for Negotiation of Embedded Software Updates. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 208, 31-45.                             | 0.8  | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Automating integration under emergent constraints for embedded systems. Software-Intensive Cyber-Physical Systems, 0, , 1. | 2.3 | 0         |