

Christian Krupitzer

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

804
citations

1162367

8
h-index

752256

20
g-index

56
all docs

56
docs citations

56
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	A machine learning-based workflow for automatic detection of anomalies in machine tools. ISA Transactions, 2022, 125, 445-458.	3.1	14
2	An Overview on Approaches for Coordination of Platoons. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10049-10065.	4.7	30
3	Tackling the rich vehicle routing problem with nature-inspired algorithms. Applied Intelligence, 2022, 52, 9476-9500.	3.3	6
4	Proactive hybrid learning and optimisation in self-adaptive systems: The swarm-fleet infrastructure scenario. Information and Software Technology, 2022, 145, 106826.	3.0	5
5	Can a Byte Improve Our Bite? An Analysis of Digital Twins in the Food Industry. Sensors, 2022, 22, 115.	2.1	22
6	Towards a Cryptography Benchmark: A View on Attribute Based Encryption Schemes. , 2022, , .		1
7	A literature review on optimization techniques for adaptation planning in adaptive systems: State of the art and research directions. Information and Software Technology, 2022, 149, 106940.	3.0	8
8	A Taxonomy of Optimization Factors for Platooning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6097-6114.	4.7	19
9	A comparison of mechanisms for compensating negative impacts of system integration. Future Generation Computer Systems, 2021, 116, 117-131.	4.9	8
10	A Simulation-Based Optimization Framework for Online Adaptation of Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 513-532.	0.2	0
11	Artifact: Voltaire: Precise Energy-Aware Code Offloading Decisions with Machine Learning. , 2021, , .		0
12	Utility-based Vehicle Routing Integrating User Preferences. , 2021, , .		2
13	Voltaire: Precise Energy-Aware Code Offloading Decisions with Machine Learning. , 2021, , .		3
14	Performance Impact Analysis of Securing MQTT Using TLS. , 2021, , .		11
15	Towards a Group Encryption Scheme Benchmark: A View on Centralized Schemes with Focus on IoT. , 2021, , .		5
16	Food Informaticsâ€™ Review of the Current State-of-the-Art, Revised Definition, and Classification into the Research Landscape. Foods, 2021, 10, 2889.	1.9	8
17	Towards Situation-Aware Meta-Optimization of Adaptation Planning Strategies. , 2021, , .		3
18	Performance Evaluation for a Post-Quantum Public-Key Cryptosystem. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	A Survey on Adaptive Authentication. ACM Computing Surveys, 2020, 52, 1-30.	16.1	34
20	An Overview of Design Patterns for Self-Adaptive Systems in the Context of the Internet of Things. IEEE Access, 2020, 8, 187384-187399.	2.6	19
21	Enhancing a Communication System with Adaptive Behavior using REACT. , 2020, , .		1
22	REACT: A Model-Based Runtime Environment for Adapting Communication Systems. , 2020, , .		6
23	Towards Self-Aware Multirotor Formations. Computers, 2020, 9, 7.	2.1	3
24	Introduction to the Special Issue "Applications in Self-Aware Computing Systems and their Evaluation". Computers, 2020, 9, 22.	2.1	1
25	Evaluating the Performance of a State-of-the-Art Group-oriented Encryption Scheme for Dynamic Groups in an IoT Scenario. , 2020, , .		9
26	To Fail or Not to Fail: Predicting Hard Disk Drive Failure Time Windows. Lecture Notes in Computer Science, 2020, , 19-36.	1.0	7
27	REACT-ION: A Model-based Runtime Environment for Situation-aware Adaptations. ACM Transactions on Autonomous and Adaptive Systems, 2020, 15, 1-29.	0.4	1
28	Planning as Optimization: Dynamically Discovering Optimal Configurations for Runtime Situations. , 2019, , .		20
29	Towards Adaptive Car-to-Cloud Communication. , 2019, , .		4
30	Autonomic Forecasting Method Selection: Examination and Ways Ahead. , 2019, , .		21
31	WheelShare: Crowd-Sensed Surface Classification for Accessible Routing. , 2019, , .		5
32	Emerging Self-Integration through Coordination of Autonomous Adaptive Systems. , 2019, , .		4
33	A Modular Simulation Framework for Analyzing Platooning Coordination. , 2019, , .		3
34	Beyond position-awareness"Extending a self-adaptive fall detection system. Pervasive and Mobile Computing, 2019, 58, 101026.	2.1	12
35	Towards a QoS-aware Cyber Physical Networking Middleware Architecture. , 2019, , .		2
36	SATISFy: Towards a Self-Learning Analyzer for Time Series Forecasting in Self-Improving Systems. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
37	Towards Infrastructure-Aided Self-Organized Hybrid Platooning. , 2018, , .		14
38	Using Spreadsheet-defined Rules for Reasoning in Self-Adaptive Systems. , 2018, , .		2
39	Hips Do Lie! A Position-Aware Mobile Fall Detection System. , 2018, , .		24
40	Fault-avoidance strategies for context-aware schedulers in pervasive computing systems. , 2017, , .		17
41	RoCoSys: A framework for coordination of mobile IoT devices. , 2017, , .		5
42	Transferring an Interactive Display Service to the Virtual Reality. , 2017, , .		5
43	Adding Self-Improvement to an Autonomic Traffic Management System. , 2017, , .		8
44	A Dynamic Software Product Line Approach for Adaptation Planning in Autonomic Computing Systems. , 2017, , .		15
45	Comparison of Approaches for Self-Improvement in Self-Adaptive Systems. , 2016, , .		26
46	FESAS IDE: An Integrated Development Environment for Autonomic Computing. , 2016, , .		15
47	Towards Reusability in Autonomic Computing. , 2015, , .		8
48	Runtime Evolution of the Adaptation Logic in Self-Adaptive Systems. , 2015, , .		6
49	A survey on engineering approaches for self-adaptive systems. Pervasive and Mobile Computing, 2015, 17, 184-206.	2.1	321
50	COMITY: A framework for adaptation coordination in multi-platform pervasive systems. Pervasive and Mobile Computing, 2014, 10, 51-65.	2.1	8
51	Nature-Inspired Interference Management in Smart Peer Groups. , 2014, , .		2
52	Developing a QoS-based Tasklet trading system. , 2014, , .		2
53	COMITY: Coordinated application adaptation in multi-platform pervasive systems. , 2013, , .		6
54	FESAS: Towards a Framework for Engineering Self-Adaptive Systems. , 2013, , .		6