

Ethiopia Nigussie

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

973
citations

686830

13
h-index

500791

28
g-index

51
all docs

51
docs citations

51
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-end security scheme for mobility enabled healthcare Internet of Things. Future Generation Computer Systems, 2016, 64, 108-124.	4.9	227
2	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. Procedia Computer Science, 2015, 52, 452-459.	1.2	209
3	Distributed internal anomaly detection system for Internet-of-Things. , 2016, , .		56
4	Performance Analysis of End-to-End Security Schemes in Healthcare IoT. Procedia Computer Science, 2018, 130, 432-439.	1.2	38
5	An Elliptic Curve-based Mutual Authentication Scheme for RFID Implant Systems. Procedia Computer Science, 2014, 32, 198-206.	1.2	37
6	Security of LoRaWAN v1.1 in Backward Compatibility Scenarios. Procedia Computer Science, 2018, 134, 51-58.	1.2	37
7	IoT-based Irrigation Management for Smallholder Farmers in Rural Sub-Saharan Africa. Procedia Computer Science, 2020, 177, 86-93.	1.2	32
8	Hierarchical agent monitoring design approach towards self-aware parallel systems-on-chip. Transactions on Embedded Computing Systems, 2010, 9, 1-24.	2.1	29
9	Session Resumption-Based End-to-End Security for Healthcare Internet-of-Things. , 2015, , .		28
10	Internet of Things based Durability Monitoring and Assessment of Reinforced Concrete Structures. Procedia Computer Science, 2019, 155, 672-679.	1.2	27
11	Low-Latency Approach for Secure ECG Feature Based Cryptographic Key Generation. IEEE Access, 2018, 6, 428-442.	2.6	25
12	Cryptographic key generation using ECG signal. , 2017, , .		23
13	High-Performance Long NoC Link Using Delay-Insensitive Current-Mode Signaling. VLSI Design, 2007, 2007, 1-13.	0.5	19
14	Security of Join Procedure and its Delegation in LoRaWAN v1.1. Procedia Computer Science, 2018, 134, 204-211.	1.2	17
15	CoDRA: Context-based dynamically reconfigurable access control system for android. Journal of Network and Computer Applications, 2018, 101, 1-17.	5.8	13
16	Autonomous Corrosion Assessment of Reinforced Concrete Structures: Feasibility Study. Sensors, 2020, 20, 6825.	2.1	13
17	Interconnection alternatives for hierarchical monitoring communication in parallel SoCs. Microprocessors and Microsystems, 2010, 34, 118-128.	1.8	12
18	Autonomous DVFS on Supply Islands for Energy-Constrained NoC Communication. Lecture Notes in Computer Science, 2009, , 183-194.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Partial Virtual Channel Sharing: A Generic Methodology to Enhance Resource Management and Fault Tolerance in Networks-on-Chip. Journal of Electronic Testing: Theory and Applications (JETTA), 2013, 29, 431-452.	0.9	11
20	Modeling of Energy Dissipation in RLC Current-Mode Signaling. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2012, 20, 1146-1151.	2.1	9
21	Key Management through Delegation for LoRaWAN based Healthcare Monitoring Systems. , 2019, , .		9
22	Architectural Exploration of Per-Core DVFS for Energy-Constrained On-Chip Networks. , 2009, , .		7
23	Equalizing Energy Distribution in Sensor Nodes through Optimization of RPL. , 2015, , .		7
24	Hybrid Internal Anomaly Detection System for IoT: Reactive Nodes with Cross-Layer Operation. Security and Communication Networks, 2018, 2018, 1-15.	1.0	7
25	Self-timed thermal sensing and monitoring of multicore systems. , 2009, , .		6
26	Hierarchical agent based NoC with dynamic online services. , 2009, , .		5
27	Boosting performance of self-timed delay-insensitive bit parallel on-chip interconnects. IET Circuits, Devices and Systems, 2011, 5, 505.	0.9	5
28	Semi-Serial On-Chip Link Implementation for Energy Efficiency and High Throughput. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2012, 20, 2265-2277.	2.1	5
29	Positioning Antifragility for Clouds on Public Infrastructures. Procedia Computer Science, 2014, 32, 856-861.	1.2	5
30	High-speed completion detection for current sensing on-chip interconnects. Electronics Letters, 2009, 45, 547.	0.5	4
31	Energy-aware adaptive security management for wireless sensor networks. , 2014, , .		4
32	IoT Architecture for Enhancing Rural Societal Services in Sub-Saharan Africa. Procedia Computer Science, 2020, 177, 338-344.	1.2	4
33	Survey of Self-Adaptive NoCs with Energy-Efficiency and Dependability. International Journal of Embedded and Real-Time Communication Systems, 2012, 3, 1-22.	0.3	4
34	Current Mode On-Chip Interconnect using Level-Encoded Two-Phase Dual-Rail Encoding. , 2007, , .		3
35	A Novel Topology-Independent Router Architecture to Enhance Reliability and Performance of Networks-on-Chip. , 2011, , .		3
36	Programmable Systems for Intelligence in Automobiles (PRYSTINE): Final results after Year 3. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
37	Real-Time Classification of Pain Level Using Zygomaticus and Corrugator EMG Features. Electronics (Switzerland), 2022, 11, 1671.	1.8	3
38	Analysis of Crosstalk and Process Variations Effects on On-Chip Interconnects. , 2006, , .		2
39	Area efficient delay-insensitive and differential current sensing on-chip interconnect. , 2008, , .		2
40	Securing wireless body sensor networks using bijective function-based hardware primitive. , 2015, , .		2
41	Towards Self-aware Approach for Mobile Devices Security. Lecture Notes in Computer Science, 2017, , 171-182.	1.0	2
42	Conceptual design of a trust model for perceptual sensor data of autonomous vehicles. Procedia Computer Science, 2021, 184, 156-163.	1.2	2
43	Process variation tolerant on-chip communication using receiver and driver reconfiguration. , 2010, , .		1
44	HLS-DoNoC: High-level simulator for dynamically organizational NoCs. , 2012, , .		1
45	Coarse and fine-grained monitoring and reconfiguration for energy-efficient NoCs. , 2012, , .		1
46	Runtime adaptation key to extend lifetime of wireless sensor networks. , 2013, , .		1
47	Development and Experimental Validation of High Performance Embedded Intelligence and Fail-Operational Urban Surround Perception Solutions of the PRYSTINE Project. Applied Sciences (Switzerland), 2022, 12, 168.	1.3	1
48	Monitoring and reconfiguration techniques for power supply variation tolerant on-chip links. , 2010, , .		0
49	Dual Monitoring Communication for Self-Aware Network-on-Chip. International Journal of Adaptive Resilient and Autonomic Systems, 2012, 3, 72-91.	0.3	0
50	SAMoC: Self-aware Access Monitoring and Controlling Framework for Android. Communications in Computer and Information Science, 2019, , 227-238.	0.4	0