

Ethiopia Nigussie

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

651
citations

12
h-index

25
g-index

51
ext. papers

807
ext. citations

2.1
avg, IF

4.12
L-index

#	Paper	IF	Citations
44	End-to-end security scheme for mobility enabled healthcare Internet of Things. <i>Future Generation Computer Systems</i> , 2016 , 64, 108-124	7.5	162
43	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. <i>Procedia Computer Science</i> , 2015 , 52, 452-459	1.6	147
42	Distributed internal anomaly detection system for Internet-of-Things 2016 ,		39
41	An Elliptic Curve-based Mutual Authentication Scheme for RFID Implant Systems. <i>Procedia Computer Science</i> , 2014 , 32, 198-206	1.6	29
40	Hierarchical agent monitoring design approach towards self-aware parallel systems-on-chip. <i>Transactions on Embedded Computing Systems</i> , 2010 , 9, 1-24	1.8	22
39	Performance Analysis of End-to-End Security Schemes in Healthcare IoT. <i>Procedia Computer Science</i> , 2018 , 130, 432-439	1.6	21
38	2015 ,		21
37	Security of LoRaWAN v1.1 in Backward Compatibility Scenarios. <i>Procedia Computer Science</i> , 2018 , 134, 51-58	1.6	21
36	. <i>IEEE Access</i> , 2018 , 6, 428-442	3.5	15
35	Cryptographic key generation using ECG signal 2017 ,		13
34	Security of Join Procedure and its Delegation in LoRaWAN v1.1. <i>Procedia Computer Science</i> , 2018 , 134, 204-211	1.6	13
33	High-Performance Long NoC Link Using Delay-Insensitive Current-Mode Signaling. <i>VLSI Design</i> , 2007 , 2007, 1-13		12
32	IoT-based Irrigation Management for Smallholder Farmers in Rural Sub-Saharan Africa. <i>Procedia Computer Science</i> , 2020 , 177, 86-93	1.6	11
31	Partial Virtual Channel Sharing: A Generic Methodology to Enhance Resource Management and Fault Tolerance in Networks-on-Chip. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2013 , 29, 431-452	0.7	10
30	Autonomous DVFS on Supply Islands for Energy-Constrained NoC Communication. <i>Lecture Notes in Computer Science</i> , 2009 , 183-194	0.9	10
29	Internet of Things based Durability Monitoring and Assessment of Reinforced Concrete Structures. <i>Procedia Computer Science</i> , 2019 , 155, 672-679	1.6	9
28	CoDRA: Context-based dynamically reconfigurable access control system for android. <i>Journal of Network and Computer Applications</i> , 2018 , 101, 1-17	7.9	9

27	Interconnection alternatives for hierarchical monitoring communication in parallel SoCs. <i>Microprocessors and Microsystems</i> , 2010 , 34, 118-128	2.4	8
26	Modeling of Energy Dissipation in RLC Current-Mode Signaling. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2012 , 20, 1146-1151	2.6	7
25	Architectural Exploration of Per-Core DVFS for Energy-Constrained On-Chip Networks 2009 ,		6
24	Hybrid Internal Anomaly Detection System for IoT: Reactive Nodes with Cross-Layer Operation. <i>Security and Communication Networks</i> , 2018 , 2018, 1-15	1.9	6
23	2015 ,		5
22	Boosting performance of self-timed delay-insensitive bit parallel on-chip interconnects. <i>IET Circuits, Devices and Systems</i> , 2011 , 5, 505	1.1	5
21	Autonomous Corrosion Assessment of Reinforced Concrete Structures: Feasibility Study. <i>Sensors</i> , 2020 , 20,	3.8	4
20	Key Management through Delegation for LoRaWAN based Healthcare Monitoring Systems 2019 ,		4
19	Positioning Antifragility for Clouds on Public Infrastructures. <i>Procedia Computer Science</i> , 2014 , 32, 856-866	1.6	4
18	Semi-Serial On-Chip Link Implementation for Energy Efficiency and High Throughput. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2012 , 20, 2265-2277	2.6	4
17	Hierarchical agent based NoC with dynamic online services 2009 ,		4
16	Self-timed thermal sensing and monitoring of multicore systems 2009 ,		4
15	Energy-aware adaptive security management for wireless sensor networks 2014 ,		3
14	A Novel Topology-Independent Router Architecture to Enhance Reliability and Performance of Networks-on-Chip 2011 ,		3
13	Current Mode On-Chip Interconnect using Level-Encoded Two-Phase Dual-Rail Encoding 2007 ,		3
12	Survey of Self-Adaptive NoCs with Energy-Efficiency and Dependability. <i>International Journal of Embedded and Real-Time Communication Systems</i> , 2012 , 3, 1-22	0.6	3
11	Towards Self-aware Approach for Mobile Devices Security. <i>Lecture Notes in Computer Science</i> , 2017 , 171-182	1.9	2
10	High-speed completion detection for current sensing on-chip interconnects. <i>Electronics Letters</i> , 2009 , 45, 547	1.1	2

9	Programmable Systems for Intelligence in Automobiles (PRYSTINE): Final results after Year 3 2021 ,		2
8	IoT Architecture for Enhancing Rural Societal Services in Sub-Saharan Africa. <i>Procedia Computer Science</i> , 2020 , 177, 338-344	1.6	2
7	Securing wireless body sensor networks using bijective function-based hardware primitive 2015 ,		1
6	Area efficient delay-insensitive and differential current sensing on-chip interconnect 2008 ,		1
5	Conceptual design of a trust model for perceptual sensor data of autonomous vehicles. <i>Procedia Computer Science</i> , 2021 , 184, 156-163	1.6	1
4	Development and Experimental Validation of High Performance Embedded Intelligence and Fail-Operational Urban Surround Perception Solutions of the PRYSTINE Project. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 168	2.6	0
3	SAMoC: Self-aware Access Monitoring and Controlling Framework for Android. <i>Communications in Computer and Information Science</i> , 2019 , 227-238	0.3	
2	Dual Monitoring Communication for Self-Aware Network-on-Chip. <i>International Journal of Adaptive Resilient and Autonomic Systems</i> , 2012 , 3, 72-91		
1	Real-Time Classification of Pain Level Using Zygomaticus and Corrugator EMG Features. <i>Electronics (Switzerland)</i> , 2022 , 11, 1671	2.6	