Shaila K

List of Publications by Year
in descending order

51 papers	111 citations	1937685 4 h-index	1872680 6 g-index
52 all docs	52 docs citations	52 times ranked	88 citing authors

#	Article	IF	Citations
1	Designing WiMAX Static Environment using Local Automata based Autonomic Network Architecture for Wireless Sensor Networks. Procedia Computer Science, 2021, 184, 947-952.	2.0	4
2	Hybrid Domain Steganography for Embedding DES Encrypted QR Code Using Random Bit Binary Search. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 310-322.	0.3	0
3	Improved Packet Delivery for Wireless Sensor Networks Using Local Automate Based Autonomic Network Architecture in a ZigBee Environment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 300-309.	0.3	0
4	SDAFPS: Secure Data Aggregation using Fuzzy Judgement, Pattern Category and SHAP Contribution. SN Computer Science, 2021, 2, 1.	3.6	2
5	Minimal Block Knight's Tour and Edge with LSB Pixel Replacement Based Encrypted Image Steganography. SN Computer Science, 2021, 2, 139.	3.6	6
6	Cross Layer Design for Wi-Fi Sensor Network Handling Static and Dynamic Environment Using Local Automate Based Autonomic Network Architecture. SN Computer Science, 2021, 2, 1.	3.6	1
7	Energy Concerned Clustering Mechanism to Ensure Reliable Data Transmission in Wireless Sensor Network. SN Computer Science, 2021, 2, 1.	3.6	2
8	VEDSDA: Voronoi Encryption and Decryption for Secure Data Aggregation in WSNs. Wireless Personal Communications, 2021, 119, 2675-2694.	2.7	2
9	Hardware performance analysis of RSA cryptosystems on FPGA for wireless sensor nodes. International Journal of Intelligent Networks, 2021, 2, 184-194.	7.8	1
10	Reconfigurable hardware architecture of public key crypto processor for VANET and wireless sensor nodes. International Journal of Vehicle Information and Communication Systems, 2020, 5, 11.	0.1	0
11	DEAVD - Data Encryption and Aggregation using Voronoi Diagram for Wireless Sensor Networks. , 2020, , .		2
12	DMHCET: Detection of Malicious Node for Hierarchical Clustering based on Energy Trust in Wireless Sensor Network. , 2020, , .		3
13	LA-ANA based Architecture for Bluetooth Environment. , 2020, , .		1
14	Message and Image Encryption Embedding Data to GF(2m) Elliptic Curve Point for Nodes in Wireless Sensor Networks. EAI/Springer Innovations in Communication and Computing, 2020, , 329-338.	1.1	0
15	Reconfigurable hardware architecture of public key crypto processor for VANET and wireless sensor nodes. International Journal of Vehicle Information and Communication Systems, 2020, 5, 11.	0.1	1
16	TCHCN: Trust Computation for Hierarchical Clustering Network to Improve Network Lifetime in Wireless Sensor Network. Journal of Computational and Theoretical Nanoscience, 2020, 17, 5509-5515.	0.4	0
17	LA-ANA Based Data Transmission in UWB Tx-Rx. , 2019, , .		0
18	Maximizing the Network Lifetime Using Supervisory Node in Wireless Sensor Networks. , 2019, , .		0

#	Article	IF	Citations
19	An Energy Efficient Threat Free Protocol (ETP) for Data Transmission in Wireless Sensor Networks. , 2019, , .		0
20	Design and Implementation of Montgomery Multipliers in RSA Cryptography for Wireless Sensor Networks. Smart Innovation, Systems and Technologies, 2018, , 565-574.	0.6	2
21	Elliptic Curve Crypto Processor on FPGA using Montgomery Multiplication with Vedic and Encoded Multiplier over GF (2m) for Nodes in Wireless Sensor Networks. , 2018, , .		2
22	Implementation of Public Key Crypto Processor with Probabilistic Encryption on FPGA for Nodes in Wireless Sensor Networks. , 2018, , .		5
23	RSA processor design with vedic multiplier for nodes in wireless sensor networks. , 2017, , .		3
24	Implementation of ECC on FPGA using Scalable Architecture with equal Data and Key for WSN. International Journal of Engineering and Technology, 2017, 9, 773-796.	0.1	3
25	Elliptic Curve Cryptography implementation on FPGA using Montgomery multiplication for equal key and data size over GF(2^m) for Wireless Sensor Networks. , 2016, , .		9
26	IRHDF: Iris Recognition using Hybrid Domain Features. , 2015, , .		3
27	SALR: Secure adaptive load-balancing routing in service oriented wireless sensor networks. , 2015, , .		3
28	PCVOS: Principal component variances based off-line signature verification. , 2015, , .		2
29	FIVDL: Fingerprint Image Verification using Dictionary Learning. Procedia Computer Science, 2015, 54, 482-490.	2.0	3
30	STEAR: Secure Trust-Aware Energy-Efficient Adaptive Routing in Wireless Sensor Networks. Journal of Advances in Computer Networks, 2015, 3, 146-149.	0.2	11
31	SGR: Secure geographical routing in Wireless Sensor Networks. , 2014, , .		4
32	QoS driven distributed multi-channel scheduling MAC protocol for multihop WSNs. , 2014, , .		4
33	Efficient Retransmission QoS-Aware MAC Scheme in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2014, , 31-42.	0.4	1
34	Mobile node authentication using key distribution scheme in wireless sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2013, 12, 34.	0.5	5
35	LKSR: link strength keymatch secure routing in heterogeneous wireless sensor networks. International Journal of Computational Systems Engineering, 2013, 1, 238.	0.2	3
36	Design Issues on Software Aspects and Simulation Tools for Wireless Sensor Networks. International Journal of Network Security and Its Applications, 2013, 5, 47-64.	0.5	3

#	Article	IF	Citations
37	ACTM: Anonymity Cluster Based Trust Management in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 75-80.	0.3	0
38	Energy Efficient Adaptive Cooperative Routing (EEACR) with multiple sinks in Wireless Sensor Networks. , 2012, , .		2
39	Multiple Dynamic Sinks to Maximize the Lifetime and Conservation of Energy in Wireless Sensor Networks. International Journal of Computer Theory and Engineering, 2012, , 67-75.	3.4	2
40	RCH-MAC Protocol for Multihop QoS in Wireless Sensor Networks. Communications in Computer and Information Science, 2012, , 18-27.	0.5	0
41	SEEDI: Secure and Energy Efficient Approach for Detection of an Intruder in Homogeneous Wireless Sensor Networks. International Journal of Computer Theory and Engineering, 2012, , 871-875.	3.4	1
42	Dynamic Cooperative Routing (DCR) in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 87-92.	0.3	0
43	Adaptive Mobility and Availability of a Mobile Node for Efficient Secret Key Distribution inWireless Sensor Networks. , 2010, , .		1
44	Resilience Key Predistribution Scheme using Asymmetric Matrices for Wireless Sensor Networks. , 2009, , .		4
45	Multi-Hop Routing for Multi-Stationed Wireless Sensor Networks. , 2009, , .		1
46	Base-station controlled clustering scheme in wireless sensor networks. , 2008, , .		7
47	Network lifetime maximizing Gradient Algorithm for Dead End in Wireless Sensor Networks. , 2008, , .		0
48	Optimized Multicast Routing for Improved Survivability of Mobile Ad Hoc Networks. , 2008, , .		1
49	Multi-Hop Path Routing for Multiple Base Stationed Sensor Network using MTC Algorithm. , 2008, , .		0
50	MIPSOE â€" Markov Integrated PSO Encryption Algorithm for Secure Data Aggregation. SSRN Electronic Journal, 0, , .	0.4	1
51	Performance Analysis of Probabilistic Encryption on FPGA for Wireless Sensor Nodes. Journal of the Institution of Engineers (India): Series B, 0, , .	1.9	0