Bassam J Mohd

List of Publications by Year
in descending order

51 papers	937 citations	516215 16 h-index	454577 30 g-index
51 all docs	51 docs citations	51 times ranked	830 citing authors

#	Article	IF	Citations
1	A survey on lightweight block ciphers for low-resource devices: Comparative study and open issues. Journal of Network and Computer Applications, 2015, 58, 73-93.	5.8	144
2	Security Vulnerabilities in Bluetooth Technology as Used in IoT. Journal of Sensor and Actuator Networks, 2018, 7, 28.	2.3	103
3	Lightweight Block Ciphers for IoT: Energy Optimization and Survivability Techniques. IEEE Access, 2018, 6, 35966-35978.	2.6	72
4	Secure Authentication for Remote Patient Monitoring with Wireless Medical Sensor Networks. Sensors, 2016, 16, 424.	2.1	65
5	QoS-Aware Health Monitoring System Using Cloud-Based WBANs. Journal of Medical Systems, 2014, 38, 121.	2.2	57
6	Hardware Security in IoT Devices with Emphasis on Hardware Trojans. Journal of Sensor and Actuator Networks, 2019, 8, 42.	2.3	56
7	Modeling and optimization of the lightweight HIGHT block cipher design with FPGA implementation. Security and Communication Networks, 2016, 9, 2200-2216.	1.0	42
8	Hardware design and modeling of lightweight block ciphers for secure communications. Future Generation Computer Systems, 2018, 83, 510-521.	4.9	38
9	An energy‐efficient and security aware route selection protocol for wireless sensor networks. Security and Communication Networks, 2014, 7, 2015-2038.	1.0	33
10	FPGA Modeling and Optimization of a SIMON Lightweight Block Cipher. Sensors, 2019, 19, 913.	2.1	29
11	Low power Wallace multiplier design based on wide counters. International Journal of Circuit Theory and Applications, 2012, 40, 1175-1185.	1.3	28
12	Analyzing Cyber-Physical Threats on Robotic Platforms. Sensors, 2018, 18, 1643.	2.1	28
13	Performance and Information Security Evaluation with Firewalls. International Journal of Security and Its Applications, 2013, 7, 355-372.	0.5	27
14	An Enhanced WLAN Security System With FPGA Implementation for Multimedia Applications. IEEE Systems Journal, 2017, 11, 2536-2545.	2.9	26
15	An analysis and evaluation of lightweight hash functions for blockchain-based IoT devices. Cluster Computing, 2021, 24, 3065-3084.	3.5	23
16	FPGA hardware of the LSB steganography method. , 2012, , .		18
17	Wavelet-transform steganography: algorithm and hardware implementation. International Journal of Electronic Security and Digital Forensics, 2013, 5, 241.	0.1	17
18	ANALYSIS AND MODELING OF FPGA IMPLEMENTATIONS OF SPATIAL STEGANOGRAPHY METHODS. Journal of Circuits, Systems and Computers, 2014, 23, 1450018.	1.0	16

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19	Secure and efficient data delivery for fog-assisted wireless body area networks. Peer-to-Peer Networking and Applications, 2019, 12, 1289-1307.	2.6	16
20	Extrinsic Calibration of Camera and 2D Laser Sensors without Overlap. Sensors, 2017, 17, 2346.	2.1	15
21	MPLS technology in wireless networks. Wireless Networks, 2014, 20, 1037-1051.	2.0	9
22	A comparative study of steganography designs based on multiple FPGA platforms. International Journal of Electronic Security and Digital Forensics, 2016, 8, 164.	0.1	9
23	Optimization and modeling of FPGA implementation of the Katan Cipher. , 2015, , .		8
24	Hierarchical steganography using novel optimum quantization technique. Signal, Image and Video Processing, 2013, 7, 1029-1040.	1.7	6
25	Kinect-Based Virtual Try-on System: A Case Study. , 2019, , .		6
26	Contention-free switch-based implementation of 1024-point Radix-2 Fourier Transform Engine. , 2007, , .		5
27	Security risk assessment of the PeopleBot mobile robot research platform. , 2017, , .		4
28	Power-Aware Adaptive Encryption. , 2019, , .		4
29	Performance evaluation of the SM4 cipher based on fieldâ€programmable gate array implementation. IET Circuits, Devices and Systems, 2021, 15, 121-135.	0.9	4
30	Carry-based reduction parallel counter design. International Journal of Electronics, 2013, 100, 1510-1528.	0.9	3
31	Implementation of speech feature extraction for lowâ€resource devices. IET Circuits, Devices and Systems, 2019, 13, 863-872.	0.9	3
32	Run-Time Monitoring and Validation Using Reverse Function (RMVRF) for Hardware Trojans Detection. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 2689-2704.	3.7	3
33	Public-Key Authentication for Cloud-based WBANs. , 2014, , .		3
34	A Power-Scalable Switch-Based Multi-processor FFT. , 2009, , .		2
35	Image Steganography Optimization Technique. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 205-209.	0.2	2
36	Relational database approach for execution trace analysis. , 2012, , .		2

#	Article	IF	Citations
37	Indoor Wi-Fi tracking system using fingerprinting and Kalman filter. , 2017, , .		2
38	Automatic License Plate Detection and Recognition for Jordanian Vehicles. Advances in Science, Technology and Engineering Systems, 2020, 5, 699-709.	0.4	2
39	POSIT vs. Floating Point in Implementing IIR Notch Filter by Enhancing Radix-4 Modified Booth Multiplier. Electronics (Switzerland), 2022, 11, 163.	1.8	2
40	Constructing reusable testbenches. , 0, , .		1
41	The hazard-free superscalar pipeline fast fourier transform algorithm and architecture. , 2007, , .		1
42	A novel approach to enhance distributed virtual memory. Computers and Electrical Engineering, 2012, 38, 388-398.	3.0	1
43	Software comprehension based on database relational algebra. International Journal of Information and Communication Technology, 2014, 6, 58.	0.1	1
44	Hardware Trojan detection for lightweight ciphers implemented on field‑programmable gate arrays using the replay algorithm. International Journal of Circuit Theory and Applications, 2021, 49, 3607.	1.3	1
45	Dynamic power analysis for custom designs. , 2009, , .		0
46	Design and implementation of interfacing two FPGAs. , 2012, , .		0
47	Security Issues in WSNs with Cooperative Communication. , 2015, , .		0
48	Erratum to â€œAn Energy-Efficient and Security Aware Route Selection Protocol for Wireless Sensor Networksâ€. Security and Communication Networks, 2020, 2020, 1-1.	1.0	0
49	The Hazard-Free Superscalar Pipeline Fast Fourier Transform Architecture and Algorithm. International Federation for Information Processing, 2009, , 1-22.	0.4	0
50	A Methodology for Distributed Virtual Memory Improvement. Communications in Computer and Information Science, 2011, , 378-384.	0.4	0
51	An Efficient Backup Technique for Database Systems Based on Threshold Sharing. Journal of Computers, 2013, 8, .	0.4	0