Bassam J Mohd

List of Publications by Year in Descending Order

42 papers	**589** citations
14 h-index	**23** g-index
51 ext. papers	**781** ext. citations
2.4 avg, IF	**4.43** L-index

#	Paper	IF	Citations
42	POSIT vs. Floating Point in Implementing IIR Notch Filter by Enhancing Radix-4 Modified Booth Multiplier. *Electronics (Switzerland)*, **2022**, 11, 163	2.6	0
41	An analysis and evaluation of lightweight hash functions for blockchain-based IoT devices. *Cluster Computing*, **2021**, 24, 3065	2.1	5
40	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[2]		1
39	Performance evaluation of the SM4 cipher based on field-programmable gate array implementation. *IET Circuits, Devices and Systems*, **2021**, 15, 121-135	1.1	4
38	Erratum to An Energy-Efficient and Security Aware Route Selection Protocol for Wireless Sensor Networks *Security and Communication Networks*, **2020**, 2020, 1-1	1.9	
37	Automatic License Plate Detection and Recognition for Jordanian Vehicles. *Advances in Science, Technology and Engineering Systems*, **2020**, 5, 699-709	0.3	1
36	Run-time Monitoring and Validation using Reverse Function (RMVRF) for Hardware Trojans Detection. *IEEE Transactions on Dependable and Secure Computing*, **2020**, 1-1	3.9	1
35	Power-Aware Adaptive Encryption **2019**,		3
34	FPGA Modeling and Optimization of a SIMON Lightweight Block Cipher. *Sensors*, **2019**, 19,	3.8	19
33	Kinect-Based Virtual Try-on System: A Case Study **2019**,		2
32	Hardware Security in IoT Devices with Emphasis on Hardware Trojans. *Journal of Sensor and Actuator Networks*, **2019**, 8, 42	3.8	26
31	Implementation of speech feature extraction for low-resource devices. *IET Circuits, Devices and Systems*, **2019**, 13, 863-872	1.1	2
30	Secure and efficient data delivery for fog-assisted wireless body area networks. *Peer-to-Peer Networking and Applications*, **2019**, 12, 1289-1307	3.1	8
29	Hardware design and modeling of lightweight block ciphers for secure communications. *Future Generation Computer Systems*, **2018**, 83, 510-521	7.5	26
28	Analyzing Cyber-Physical Threats on Robotic Platforms. *Sensors*, **2018**, 18,	3.8	21
27	Lightweight Block Ciphers for IoT: Energy Optimization and Survivability Techniques. *IEEE Access*, **2018**, 6, 35966-35978	3.5	42
26	Security Vulnerabilities in Bluetooth Technology as Used in IoT. *Journal of Sensor and Actuator Networks*, **2018**, 7, 28	3.8	52

25	. *IEEE Systems Journal*, **2017**, 11, 2536-2545	4.3	18
24	**2017**,		2
23	Extrinsic Calibration of Camera and 2D Laser Sensors without Overlap. *Sensors*, **2017**, 17,	3.8	10
22	Modeling and optimization of the lightweight HIGHT block cipher design with FPGA implementation. *Security and Communication Networks*, **2016**, 9, 2200-2216	1.9	33
21	Secure Authentication for Remote Patient Monitoring with Wireless Medical Sensor Networks. *Sensors*, **2016**, 16, 424	3.8	50
20	A comparative study of steganography designs based on multiple FPGA platforms. *International Journal of Electronic Security and Digital Forensics*, **2016**, 8, 164	1	8
19	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	7.9	96
18	Optimization and modeling of FPGA implementation of the Katan Cipher **2015**,		6
17	QoS-aware health monitoring system using cloud-based WBANs. *Journal of Medical Systems*, **2014**, 38, 121	5.1	44
16	Software comprehension based on database relational algebra. *International Journal of Information and Communication Technology*, **2014**, 6, 58	0.1	1
15	ANALYSIS AND MODELING OF FPGA IMPLEMENTATIONS OF SPATIAL STEGANOGRAPHY METHODS. *Journal of Circuits, Systems and Computers*, **2014**, 23, 1450018	0.9	12
14	An energy-efficient and security aware route selection protocol for wireless sensor networks. *Security and Communication Networks*, **2014**, 7, 2015-2038	1.9	23
13	MPLS technology in wireless networks. *Wireless Networks*, **2014**, 20, 1037-1051	2.5	3
12	Public-Key Authentication for Cloud-based WBANs **2014**,		3
11	Hierarchical steganography using novel optimum quantization technique. *Signal, Image and Video Processing*, **2013**, 7, 1029-1040	1.6	3
10	Wavelet-transform steganography: algorithm and hardware implementation. *International Journal of Electronic Security and Digital Forensics*, **2013**, 5, 241	1	14
9	Carry-based reduction parallel counter design. *International Journal of Electronics*, **2013**, 100, 1510-1528	1.2	2
8	Performance and Information Security Evaluation with Firewalls. *International Journal of Security and Its Applications*, **2013**, 7, 355-372	2	17

7	Low power Wallace multiplier design based on wide counters. *International Journal of Circuit Theory and Applications*, **2012**, 40, 1175-1185	2	19
6	FPGA hardware of the LSB steganography method **2012**,		8
5	A novel approach to enhance distributed virtual memory. *Computers and Electrical Engineering*, **2012**, 38, 388-398	4.3	
4	Image Steganography Optimization Technique. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 205-209	0.2	1
3	A Methodology for Distributed Virtual Memory Improvement. *Communications in Computer and Information Science*, **2011**, 378-384	0.3	
2	The Hazard-Free Superscalar Pipeline Fast Fourier Transform Architecture and Algorithm. *International Federation for Information Processing*, **2009**, 1-22		
1	Contention-free switch-based implementation of 1024-point Radix-2 Fourier Transform Engine **2007**,		1