

Suhaib Ahmed

List of Publications by Year in descending order

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42
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686830

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43
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43
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301
citing authors

#	ARTICLE	IF	CITATIONS
1	Notice of Violation of IEEE Publication Principles: Design of Cost Efficient Modular Digital QCA Circuits using Optimized XOR Gate. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, , 1-1.	2.2	5
2	Metamaterial inspired wideband on-body antenna design for bio-medical applications. Materials Today: Proceedings, 2023, 80, 1772-1776.	0.9	3
3	Quantum dot Cellular Automata based Fault Tolerant Fingerprint Authentication Systems using Reversible Logic Gates. Gazi University Journal of Science, 2022, 35, 586-604.	0.6	2
4	Machine Learning and Deep Learning Based Computational Techniques in Automatic Agricultural Diseases Detection: Methodologies, Applications, and Challenges. Archives of Computational Methods in Engineering, 2022, 29, 641-677.	6.0	83
5	Design of fault tolerant bifunctional parity generator and scalable code converters based on QCA technology. International Journal of Information Technology (Singapore), 2022, 14, 991-998.	1.8	8
6	QCA based cost efficient coplanar 1â€‰%Ã—â€‰%4 <scp>RAM</scp> design with set/reset ability. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, e2946.	1.2	5
7	IoT based smart water management systems: A systematic review. Materials Today: Proceedings, 2021, 46, 5211-5218.	0.9	44
8	Fredkin gate based energy efficient reversible D flip flop design in quantum dot cellular automata. Materials Today: Proceedings, 2021, 46, 5248-5255.	0.9	5
9	Design of quantumâ€‰dot cellular automataâ€‰based communication system using modular Nâ€‰bit binary to gray and gray to binary converters. International Journal of Communication Systems, 2021, 34, e4702.	1.6	13
10	Modeling of On-Chip Biosensor for the in Vivo Diagnosis of Hypertension in Wireless Body Area Networks. IEEE Access, 2021, 9, 95072-95082.	2.6	4
11	Design of Reversible Gate-Based Fingerprint Authentication System in Quantum-Dot Cellular Automata for Secure Nanocomputing. Lecture Notes in Electrical Engineering, 2021, , 729-740.	0.3	5
12	A Survey on Applications of Artificial Intelligence for Pre-Parametric Project Cost and Soil Shear-Strength Estimation in Construction and Geotechnical Engineering. Sensors, 2021, 21, 463.	2.1	34
13	Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA Technology. , 2021, , .		2
14	Automatic Prediction of Road Angles using Deep Learning-Based Transfer Learning Models. IOP Conference Series: Materials Science and Engineering, 2021, 1099, 012060.	0.3	0
15	Design of efficient Nâ€‰bit shift register using optimized D flip flop in quantum dot cellular automata technology. IET Quantum Communication, 2021, 2, 32-41.	2.2	11
16	Design of Fault-Tolerant and Thermally Stable XOR Gate in Quantum dot Cellular Automata. , 2021, , .		2
17	A detailed tutorial survey on VANETs: Emerging architectures, applications, security issues, and solutions. International Journal of Communication Systems, 2021, 34, e4905.	1.6	15
18	Adaptive energy efficient fuzzy: An adaptive and energy efficient fuzzy clustering algorithm for wireless sensor networkâ€‰based landslide detection system. IET Networks, 2021, 10, 1-12.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Modelling and Simulation of a Reversible Quantum Logic based 4-to-4 Multiplier Design for Nanotechnology Applications. International Journal of Theoretical Physics, 2020, 59, 57-67.	0.5	8
20	Design of quantum dot cellular automata based fault tolerant convolution encoders for secure nanocomputing. International Journal of Quantum Information, 2020, 18, 2050032.	0.6	6
21	Design of Efficient 1-bit Comparator in Quantum dot Cellular Automata Nano-computing. , 2020, , .		5
22	Modeling and Logic Synthesis of Multifunctional and Universal 3-to-3 Reversible Gate for Nanoscale Applications. Algorithms for Intelligent Systems, 2020, , 1423-1431.	0.5	10
23	Logic Design and Modeling of an Ultraefficient 3-to-3 Reversible Gate for Nanoscale Applications. Algorithms for Intelligent Systems, 2020, , 1433-1442.	0.5	10
24	Subtractor circuits using different wire crossing techniques in quantum-dot cellular automata. Journal of Nanophotonics, 2020, 14, 1.	0.4	19
25	Design of reversible universal and multifunctional gate-based 1-bit full adder and full subtractor in quantum-dot cellular automata nanocomputing. Journal of Nanophotonics, 2020, 14, 1.	0.4	16
26	Design of Ultra-Efficient Reversible Gate Based 1-bit Full Adder in QCA with Power Dissipation Analysis. International Journal of Theoretical Physics, 2019, 58, 4042-4063.	0.5	27
27	Feasibility of Lab-On-Chip Theranostic Platforms in Wireless Body Area Network (WBAN). , 2019, , .		1
28	Modular Adder Designs Using Optimal Reversible and Fault Tolerant Gates in Field-Coupled QCA Nanocomputing. International Journal of Theoretical Physics, 2018, 57, 1356-1375.	0.5	27
29	Modeling and simulation of an eight-bit auto-configurable successive approximation register analog-to-digital converter for cardiac and neural implants. Simulation, 2018, 94, 11-29.	1.1	5
30	Modular Design of Ultra-Efficient Reversible Full Adder-Subtractor in QCA with Power Dissipation Analysis. International Journal of Theoretical Physics, 2018, 57, 2863-2880.	0.5	37
31	An Insight into Beyond CMOS Next Generation Computing using Quantum-dot Cellular Automata Nanotechnology. International Journal of Engineering and Manufacturing, 2018, 8, 25-37.	0.5	14
32	An Electret-Based Angular Electrostatic Energy Harvester for Battery-Less Cardiac and Neural Implants. IEEE Access, 2017, 5, 19631-19643.	2.6	28
33	Multifunction reversible logic gate: Logic synthesis and design implementation in QCA. , 2017, , .		13
34	QCA Based Efficient Toffoli Gate Design and Implementation for Nanotechnology Applications. International Journal of Engineering and Technology, 2017, 9, 84-92.	0.1	21
35	Optimal Realization of Universality of Peres Gate Using Explicit Interaction of Cells in Quantum Dot Cellular Automata Nanotechnology. International Journal of Intelligent Systems and Applications, 2017, 9, 75-84.	0.9	13
36	A Comprehensive Study on Design Trends and Future Scope of Implantable Drug Delivery Systems. International Journal of Bio-Science and Bio-Technology, 2017, 8, 11-20.	0.2	5

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37	Lab-on-Chip Technology: A Review on Design Trends and Future Scope in Biomedical Applications. International Journal of Bio-Science and Bio-Technology, 2016, 8, 311-322.	0.2	62
38	Analog-to-digital converters: A comparative study and performance analysis. , 2016, , .		10
39	A Real Time Autonomous Soldier Health Monitoring and Reporting System Using COTS Available Entities. , 2015, , .		7
40	A comparative analysis of different vibration based energy harvesting techniques for implantables. , 2015, , .		7
41	An Optimal Selection of Routing Protocol for Different Sink Placements in a Wireless Sensor Network for Landslide Detection System. , 2014, , .		2
42	Design of <sc>SSG</sc> â€” gateâ€”based <sc>costâ€”efficient</sc> reversible digital circuits using quantumâ€”cellular automata technology. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , .	1.2	1