Suhaib Ahmed

List of Publications by Year
in descending order

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42	598	687363 13	677142 22
papers	citations	h-index	g-index

43	43	43	301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	10.2	83
2	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
3	IoT based smart water management systems: A systematic review. Materials Today: Proceedings, 2021, 46, 5211-5218.	1.8	44
4	Modular Design of Ultra-Efficient Reversible Full Adder-Subtractor in QCA with Power Dissipation Analysis. International Journal of Theoretical Physics, 2018, 57, 2863-2880.	1.2	37
5	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.	3.8	34
6	An Electret-Based Angular Electrostatic Energy Harvester for Battery-Less Cardiac and Neural Implants. IEEE Access, 2017, 5, 19631-19643.	4.2	28
7	Modular Adder Designs Using Optimal Reversible and Fault Tolerant Gates in Field-Coupled QCA Nanocomputing. International Journal of Theoretical Physics, 2018, 57, 1356-1375.	1.2	27
8	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.	1.2	27
9	QCA Based Efficient Toffoli Gate Design and Implementation for Nanotechnology Applications. International Journal of Engineering and Technology, 2017, 9, 84-92.	0.1	21
10	Subtractor circuits using different wire crossing techniques in quantum-dot cellular automata. Journal of Nanophotonics, 2020, 14, 1.	1.0	19
11	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.	1.0	16
12	A detailed tutorial survey on VANETs: Emerging architectures, applications, security issues, and solutions. International Journal of Communication Systems, 2021, 34, e4905.	2.5	15
13	An Insight into Beyond CMOS Next Generation Computing using Quantum-dot Cellular Automata Nanotechnology. International Journal of Engineering and Manufacturing, 2018, 8, 25-37.	0.7	14
14	Multifunction reversbile logic gate: Logic synthesis and design implementation in QCA. , 2017, , .		13
15	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.	2.5	13
16	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.	1.1	13
17	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.	3.8	11
18	Analog-to-digital converters: A comparative study and performance analysis. , 2016, , .		10

#	Article	IF	Citations
19	Modeling and Logic Synthesis of Multifunctional and Universal 3â€‰Ã—â€‰3 Reversible Gate for Nanoscale Applications. Algorithms for Intelligent Systems, 2020, , 1423-1431.	0.6	10
20	Logic Design and Modeling of an Ultraefficient 3â€‰Ã—â€‰3 Reversible Gate for Nanoscale Applications. Algorithms for Intelligent Systems, 2020, , 1433-1442.	0.6	10
21	Modelling and Simulation of a Reversible Quantum Logic based 4â€‰Ã—â€‰4 Multiplier Design for Nanotechnology Applications. International Journal of Theoretical Physics, 2020, 59, 57-67.	1.2	8
22	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.	2.7	8
23	A Real Time Autonomous Soldier Health Monitoring and Reporting System Using COTS Available Entities. , 2015, , .		7
24	A comparative analysis of different vibration based energy harvesting techniques for implantables. , 2015, , .		7
25	Design of quantum dot cellular automata based fault tolerant convolution encoders for secure nanocomputing. International Journal of Quantum Information, 2020, 18, 2050032.	1.1	6
26	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.	1.8	5
27	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.	3.0	5
28	Design of Efficient 1-bit Comparator in Quantum dot Cellular Automata Nano-computing. , 2020, , .		5
29	Fredkin gate based energy efficient reversible D flip flop design in quantum dot cellular automata. Materials Today: Proceedings, 2021, 46, 5248-5255.	1.8	5
30	Design of Reversible Gate-Based Fingerprint Authentication System in Quantum-Dot Cellular Automata for Secure Nanocomputing. Lecture Notes in Electrical Engineering, 2021, , 729-740.	0.4	5
31	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.	1.9	5
32	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
33	Modeling of On-Chip Biosensor for the in Vivo Diagnosis of Hypertension in Wireless Body Area Networks. IEEE Access, 2021, 9, 95072-95082.	4.2	4
34	Metamaterial inspired wideband on-body antenna design for bio-medical applications. Materials Today: Proceedings, 2023, 80, 1772-1776.	1.8	3
35	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.	1.8	3
36	An Optimal Selection of Routing Protocol for Different Sink Placements in a Wireless Sensor Network for Landslide Detection System. , 2014, , .		2

#	Article	IF	Citations
37	Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA Technology. , 2021, , .		2
38	Quantum dot Cellular Automata based Fault Tolerant Fingerprint Authentication Systems using Reversible Logic Gates. Gazi University Journal of Science, 2022, 35, 586-604.	1.2	2
39	Design of Fault-Tolerant and Thermally Stable XOR Gate in Quantum dot Cellular Automata. , 2021, , .		2
40	Feasibility of Lab-On-Chip Theranostic Platforms in Wireless Body Area Network (WBAN). , 2019, , .		1
41	Design of <scp>SSG</scp> â€1 gateâ€based <scp>costâ€efficient</scp> reversible digital circuits using quantumâ€dot cellular automata technology. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , .	1.9	1
42	Automatic Prediction of Road Angles using Deep Learning-Based Transfer Learning Models. IOP Conference Series: Materials Science and Engineering, 2021, 1099, 012060.	0.6	0