

Mrinal Goswami

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/410003/publications.pdf>

Version: 2024-02-01

19
papers

341
citations

1306789

7
h-index

1058022

14
g-index

19
all docs

19
docs citations

19
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Modular Design of testable reversible ALU by QCA multiplexer with increase in programmability. <i>Microelectronics Journal</i> , 2014, 45, 1522-1532.	1.1	123
2	Towards modular design of reliable quantum-dot cellular automata logic circuit using multiplexers. <i>Computers and Electrical Engineering</i> , 2015, 45, 42-54.	3.0	66
3	Design of Testable Adder in Quantum-dot Cellular Automata with Fault Secure Logic. <i>Microelectronics Journal</i> , 2017, 60, 1-12.	1.1	34
4	An efficient clocking scheme for quantum-dot cellular automata. <i>International Journal of Electronics Letters</i> , 2020, 8, 83-96.	0.7	28
5	Efficient realization of digital logic circuit using QCA multiplexer. , 2014, , .		23
6	Design of Sequential Circuits in Multilayer QCA Structure. , 2013, , .		12
7	Reliability-aware design for programmable QCA logic with scalable clocking circuit. <i>Journal of Computational Electronics</i> , 2017, 16, 473-485.	1.3	11
8	An Efficient Inverter Logic in Quantum-Dot Cellular Automata for Emerging Nanocircuits. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 2663-2674.	1.7	8
9	In memory computation using quantum-dot cellular automata. <i>IET Computers and Digital Techniques</i> , 2020, 14, 336-343.	0.9	8
10	Systematic cell placement in quantum-dot cellular automata embedding underlying regular clocking circuit. <i>IET Circuits, Devices and Systems</i> , 2021, 15, 156-167.	0.9	7
11	A Realistic Configurable Level Triggered Flip-Flop in Quantum-Dot Cellular Automata. <i>Communications in Computer and Information Science</i> , 2019, , 455-467.	0.4	5
12	Regular Clocking based Emerging Technique in QCA Targeting Low Power Nano Circuit. <i>International Journal of Electronics</i> , 0, , 1-23.	0.9	4
13	Designing Efficient Configurable QCA Nano Circuit for Morphological Operations in Image Processing. <i>Journal of Physics: Conference Series</i> , 2018, 1039, 012028.	0.3	3
14	CFA: Toward the Realization of Conservative Full Adder in QCA with Enhanced Reliability. <i>Journal of Circuits, Systems and Computers</i> , 2021, 30, 2150172.	1.0	3
15	Configurable memory designs in quantum-dot cellular automata. <i>International Journal of Information Technology (Singapore)</i> , 2021, 13, 1381-1393.	1.8	3
16	Design of fault tolerant majority voter for error resilient TMR targeting micro to nano scale logic. <i>International Journal of Computational Science and Engineering</i> , 2020, 21, 375.	0.4	2
17	CFA: Toward the Realization of Conservative Full Adder in QCA with Enhanced Reliability. <i>Journal of Circuits, Systems and Computers</i> , 2021, 30, 2192001.	1.0	1
18	Design of reversible bidirectional logarithmic barrel shifter. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	A modular approach to design ternary content addressable memory architecture in quantum dot cellular automata. International Journal of Information Technology (Singapore), 2022, 14, 41-47.	1.8	0