Diganta Sengupta

List of Publications by Year
in descending order

21 papers	42 citations	2681738 2 h-index	2272555 4 g-index
22 all docs	22 docs citations	22 times ranked	28 citing authors

#	Article	IF	Citations
1	Designing an enhanced ZRP algorithm for MANET and simulation using OPNET. , 2017, , .		7
2	A novel reversible two's complement gate (TCG) and its quantum mapping. , 2017, , .		5
3	Toffoli Netlist and QCA implementations for existing four variable reversible gates: a comparative analysis. Microsystem Technologies, 2019, 25, 1987-2009.	1.2	4
4	A reversible approach to twoâ€™s complement addition using a novel reversible TCG gate and its 4 dot 2 electron QCA architecture. Microsystem Technologies, 2019, 25, 1965-1975.	1.2	4
5	Taxonomy on Ambient Computing. International Journal of Ambient Computing and Intelligence, 2020, 11, 1-33.	0.8	4
6	IoT Based Home Automation. , 2018, , .		3
7	An algorithm facilitating fast BCD division on low end processors using Ancient Indian Vedic Mathematics Sutras. , 2012, , .		2
8	Proposal for fast BCD addition. , 2017, , .		2
9	Logic Design and Quantum Mapping of a Novel Four Variable Reversible s2c2 Gate. Communications in Computer and Information Science, 2018, , 416-427.	0.4	2
10	Edge Directed Radial Basis Function based Interpolation Towards PCA based PAN-sharpening. International Journal of Remote Sensing, 2021, 42, 9047-9067.	1.3	2
11	A New Paradigm in Fast BCD Division Using Ancient Indian Vedic Mathematics Sutras. , 2013, , .		2
12	Toffoli netlist based synthesis of four variable reversible functions. , 2017, , .		1
13	Taxonomy of Decimal Multiplier Research. Smart Innovation, Systems and Technologies, 2018, , 3-21.	0.5	1
14	Design of synchronous decimal counter using reversible Toffoliâ€"Fredkin Netlist. Innovations in Systems and Software Engineering, 2021, 17, 89-97.	1.6	1
15	Vedivision â€" A Fast Bcd Division Algorithm Facilitated by Vedic Mathematics. International Journal of Computer Science and Information Technology, 2013, 5, 67-80.	0.3	1
16	Digit By Digit Fast Decimal Multiplication. , 2017, , .		0
17	Energy Audit-A Clean, Alternative and Cost-Effective Way to Replace Conventional Energy. , 2018, , .		0
18	A Comparative Analysis of CNF and XOR-AND Representations for QCA Majority Gate Estimation. Communications in Computer and Information Science, 2018, , 402-415.	0.4	0

#	Article	IF	Citations
19	Design and Implementation of an Open Ended Automated Vault Security System. International Journal of Applied Information Systems, 2012, 4, 13-18.	0.1	0
20	Vedic Sutras. Advances in Computational Intelligence and Robotics Book Series, 2016, , 890-915.	0.4	0
21	Reversible quantum communicationÂ& systems. IET Quantum Communication, 2022, 3, 1-4.	2.2	0