Syed Abdul Mutalib Al Junid

List of Publications by Year
in descending order

34 papers	82 citations	2258059 3 h-index	1872680 6 g-index
34 all docs	34 docs citations	34 times ranked	31 citing authors

#	Article	IF	Citations
1	Real-Time Remote Monitoring with Data Acquisition System. IOP Conference Series: Materials Science and Engineering, 2015, 99, 012011.	0.6	13
2	Mobile Carbon Monoxide Monitoring System Based on Arduino-Matlab for Environmental Monitoring Application. IOP Conference Series: Materials Science and Engineering, 2015, 99, 012009.	0.6	9
3	Development of DNA sequencing accelerator based on Smith Waterman algorithm with heuristic divide and conquer technique for FPGA implementation. , 2008, , .		7
4	Potential of Graph Theory Algorithm Approach for DNA Sequence Alignment and Comparison. , 2012, , .		7
5	An Intelligent Classification Model for Rubber Seed Clones Based on Shape Features through Imaging Techniques. , 2010, , .		6
6	High-sensitivity gas detection and monitoring system for high-risk welding activity. , 2013, , .		4
7	Sequence alignment using systolic array for an accelerator. , 2014, , .		4
8	Comparative study for DNA data minimization technique on FPGA. , 2012, , .		3
9	Reducing memory complexity using data minimization technique on FPGA. , 2012, , .		3
10	Improved data minimization technique in reducing memory space complexity for DNA local alignment accelerator application. , 2012, , .		3
11	Parallel processing cell score design of linear gap penalty smith-waterman algorithm. , 2017, , .		3
12	FPGA implementation of predictive degradation model for engine oil lifetime. IOP Conference Series: Materials Science and Engineering, 2018, 341, 012024.	0.6	3
13	Trees' Cooling Effect on Surrounding Air Temperature Monitoring System: Implementation and Observation. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	3
14	Implementation of genetic algorithm for optimizing DNA sequence alignment. , 2012, , .		2
15	Systolic processing element based on the Viterbi algorithm for DNA sequence alignment. , 2013, , .		2
16	Locating tweeks atmospherics source locations using WWLLN data. , 2013, , .		2
17	Evaluation of Embedded System Component Utilized in Delivery Integrated Design Project Course. IOP Conference Series: Materials Science and Engineering, 2018, 341, 012029.	0.6	2
18	Cloud computing: Feasibility of developing web-based UNU Casemix Grouper. , 2012, , .		1

#	Article	IF	Citations
19	Switching strategy of neutral point type converter. , 2013, , .		1
20	Health Monitoring System Based on Intra-Body Communication. IOP Conference Series: Materials Science and Engineering, 2015, 99, 012028.	0.6	1
21	Implementation of digital equality comparator circuit on memristive memory crossbar array using material implication logic. IOP Conference Series: Materials Science and Engineering, 2018, 341, 012025.	0.6	1
22	Performance Evaluation of Local DNA Sequence Alignment Smith-Waterman Algorithm Software Version Cell Design on FPGA. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1
23	4-bit Brent Kung Parrallel Prefix Adder Simulation Study Using Silvaco EDA Tools. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1
24	A Rudimentary Plaque Lesion Identification Using Combination of Color Models. , 2012, , .		0
25	Investigation of the nighttime D-region ionosphere characteristics at Palmer Station antartica by using tweek atmospherics. , 2013, , .		0
26	Energy-efficient light driver controller using complex programmable logic. , 2013, , .		0
27	Theoretical Accuracy Analysis of a 4-Beam Speed- Over-Ground Radar on Uneven Surface. , 2018, , .		0
28	Design of 5.8 GHz Integrated Antenna on 180nm Complementary Metal Oxide Semiconductor (CMOS) Technology. IOP Conference Series: Materials Science and Engineering, 2018, 341, 012015.	0.6	0
29	Low Power Smoke Detector and Monitoring System Using Star Topology for IoT Application. , 2021, , .		0
30	Trace Back Optimization For DNA Sequences Alignment Using Viterbi Algorithm. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
31	A Comparison of Optimal Path Trace Back Sizing Using Genetic Algorithm (GA). International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
32	Performance Evaluation of SW Algorithm on NVIDIA GeForce GTX TITAN X Graphic Processing Unit (GPU). Indonesian Journal of Electrical Engineering and Computer Science, 2018, 12, 670.	0.8	0
33	Ecosystem for healthcare services and management system. 3C TecnologÃa, 0, , 121-131.	0.7	0
34	Real-time Mobile Microclimate Monitoring System uses LabView RT. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0