

Hasan U Zaman

List of Publications by Year in descending order

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46
papers

409
citations

1937685

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2272923

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46
all docs

46
docs citations

46
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive study of 1-Bit full adder cells: review, performance comparison and scalability analysis. SN Applied Sciences, 2021, 3, 1.	2.9	23
2	A high-speed and scalable XOR-XNOR-based hybrid full adder design. Computers and Electrical Engineering, 2021, 93, 107200.	4.8	29
3	A scalable high-speed hybrid 1-bit full adder design using XOR-XNOR module. International Journal of Circuit Theory and Applications, 2021, 49, 3597-3606.	2.0	12
4	Design of a Scalable Low-Power 1-Bit Hybrid Full Adder for Fast Computation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1464-1468.	3.0	69
5	Robotic Helping Hand: A New Mechanism for Helping Disabled People. , 2020, , .		2
6	A Low-Cost and Portable Electrocardiogram (ECG) Machine for Preventing Diagnosis. , 2019, , .		4
7	SaveMe: A Crime Deterrent Personal Safety Android App with a Bluetooth Connected Hardware Switch. , 2018, , .		4
8	Implementation of a Free Space Laser Communicator. , 2018, , .		0
9	Python Based Portable Virtual Text Reader. , 2018, , .		7
10	Bengali Handwriting Recognition and Conversion to Editable Text. , 2018, , .		2
11	A Novel Design of a Multi-DOF Mobile Robotic Helping Hand for Paralyzed Patients. , 2018, , .		10
12	A Novel Design of a Robotic Object Sorter Based on Color Differences using Image Processing Techniques. , 2018, , .		5
13	A User-Friendly Low-Cost Mobile App Based Home Appliance Control And Circuit Breaker. , 2018, , .		1
14	Auto-Moto Shoes: An Automated Walking Assistance for Arthritis Patients. , 2018, , .		1
15	A Novel Design and Implementation of Automated Feeding Mechanism in Fish Aquariums. , 2018, , .		3
16	Intelligent traffic management system for cross section of roads using computer vision. , 2017, , .		29
17	A cost effective way to build a web controlled search and CO detector rover. , 2017, , .		1
18	Conversion of wasted heat energy into electrical energy using TEG. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
19	An advanced security system integrated with RFID based automated toll collection system. , 2017, , .		13
20	A comparative study of various simulation software for design and analysis of operational amplifier based integrator circuits. , 2017, , .		9
21	Speech responsive mobile robot for transporting objects of different weight categories. , 2017, , .		1
22	An IoT based automated traffic control system with real-time update capability. , 2017, , .		22
23	A novel design of an intangible hand gesture controlled computer mouse using vision based image processing. , 2017, , .		6
24	A simple and effective way of controlling a robot by hand gesture. , 2017, , .		7
25	Low cost multi-level home security system for developing countries. , 2017, , .		9
26	RFID based attendance system. , 2017, , .		10
27	A novel design of a Bi-level automatic solar tracker using rotations around orthogonal axes. , 2017, , .		2
28	MediPro " A cost effective and user-friendly medical information system. , 2017, , .		2
29	rTraffic - a realtime web application for traffic status update in the streets of Bangladesh. , 2017, , .		2
30	A novel Braille pad with dual text-to-Braille and Braille-to-text capabilities with an integrated LCD display. , 2017, , .		15
31	Hardware based design and implementation of a bottle recycling machine using FPGA. , 2016, , .		13
32	Simulation and visualization of carrier trajectories in distributed MIGFET devices a simulation of newtonian particles at small dimensions. , 2016, , .		4
33	Design, control & performance analysis of Muktibot. , 2016, , .		7
34	Doctor locator: A web application to improve online doctor directories in Bangladesh features and functionalities of a better online solution to find a doctor. , 2016, , .		4
35	Smart street lights using piezoelectric materials. , 2016, , .		4
36	A novel design of line following robot with multifarious function ability. , 2016, , .		12

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37	Developing an E-commerce website. , 2016, , .		12
38	Efficient design of a metal detector equipped remote-controlled robotic vehicle. , 2016, , .		7
39	Qualitative analysis of an equivalent full adder circuit using MIGFET: An alternative approach to full adder circuit via direct truth table implementation. , 2016, , .		5
40	The next generation of irrigation. , 2015, , .		2
41	Microcontroller based home automation system using Bluetooth, GSM, Wi-Fi and DTMF. , 2015, , .		18
42	Mobile phone to mobile phone wireless power transfer. , 2015, , .		4
43	Radio network optimization. , 2015, , .		0
44	A cost-effective design and development of a surveillance robot. , 2015, , .		0
45	A novel design of a robotic vehicle for rescue operation. , 2015, , .		8
46	A comparative study of different dispersion compensation techniques in long haul communication. , 2015, , .		1