

# Mamun Bin Ibne Reaz

## List of Publications by Year in descending order

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240  
papers

7,060  
citations

196777

29  
h-index

75989

78  
g-index

246  
all docs

246  
docs citations

246  
times ranked

7216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Custom Hardware Architectures for Deep Learning on Portable Devices: A Review. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6068-6088.	7.2	21
2	CMOS Low-Dropout Voltage Regulator Design Trends: An Overview. Electronics (Switzerland), 2022, 11, 193.	1.8	14
3	Motion Artifacts Correction From EEG and fNIRS Signals Using Novel Multiresolution Analysis. IEEE Access, 2022, 10, 29760-29777.	2.6	10
4	Thermal Change Index-Based Diabetic Foot Thermogram Image Classification Using Machine Learning Techniques. Sensors, 2022, 22, 1793.	2.1	15
5	Motion Artifacts Correction from Single-Channel EEG and fNIRS Signals Using Novel Wavelet Packet Decomposition in Combination with Canonical Correlation Analysis. Sensors, 2022, 22, 3169.	2.1	10
6	Minimum signed digit approximation for faster and more efficient convolutional neural network computation on embedded devices. Engineering Science and Technology, an International Journal, 2022, 36, 101153.	2.0	5
7	Forearm Orientation and Muscle Force Invariant Feature Selection Method for Myoelectric Pattern Recognition. IEEE Access, 2022, 10, 46442-46471.	2.6	4
8	Myoelectric Pattern Recognition Performance Enhancement Using Nonlinear Features. Computational Intelligence and Neuroscience, 2022, 2022, 1-19.	1.1	5
9	Performance Analysis of Conventional Machine Learning Algorithms for Diabetic Sensorimotor Polyneuropathy Severity Classification Using Nerve Conduction Studies. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	6
10	Machine Learning-Based Diabetic Neuropathy and Previous Foot Ulceration Patients Detection Using Electromyography and Ground Reaction Forces during Gait. Sensors, 2022, 22, 3507.	2.1	11
11	A Novel Machine Learning Approach for Severity Classification of Diabetic Foot Complications Using Thermogram Images. Sensors, 2022, 22, 4249.	2.1	18
12	Diabetic Sensorimotor Polyneuropathy Severity Classification Using Adaptive Neuro Fuzzy Inference System. IEEE Access, 2021, 9, 7618-7631.	2.6	20
13	A Novel Signal Normalization Approach to Improve the Force Invariant Myoelectric Pattern Recognition of Transradial Amputees. IEEE Access, 2021, 9, 79853-79868.	2.6	12
14	Optical-Mechanical Configuration of Imaging Operation for Endoscopic Scanner: A Review. IEEE Access, 2021, , 1-1.	2.6	1
15	Fabrication of a carbon nanotube/tungsten disulfide visible spectrum photodetector. Applied Optics, 2021, 60, 2839.	0.9	1
16	Assessments of Autonomic Nervous System Biomarker for Emotion Recognition using Electrodermal Activity Signal. , 2021, , .		0
17	An 8.72 $\mu$ W Low-Noise and Wide Bandwidth FEE Design for High-Throughput Pixel-Strip (PS) Sensors. Sensors, 2021, 21, 1760.	2.1	7
18	Performance Analysis of Conventional Machine Learning Algorithms for Diabetic Sensorimotor Polyneuropathy Severity Classification. Diagnostics, 2021, 11, 801.	1.3	20

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19	Force-Invariant Improved Feature Extraction Method for Upper-Limb Prostheses of Transradial Amputees. <i>Diagnostics</i> , 2021, 11, 843.	1.3	9
20	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. <i>AgriEngineering</i> , 2021, 3, 294-312.	1.7	115
21	Performance Evaluation of Heuristics and Meta-Heuristics Traffic Control Strategies Using the UTNSim Traffic Simulator. <i>Pertanika Journal of Science and Technology</i> , 2021, 29, .	0.3	0
22	Sequence Prediction Algorithm for the Diagnosis of Early Dementia Development. , 2021, , .		3
23	A machine learning model for early detection of diabetic foot using thermogram images. <i>Computers in Biology and Medicine</i> , 2021, 137, 104838.	3.9	56
24	A Novel Non-Invasive Estimation of Respiration Rate From Motion Corrupted Photoplethysmograph Signal Using Machine Learning Model. <i>IEEE Access</i> , 2021, 9, 96775-96790.	2.6	31
25	Multimodal EEG and Keystroke Dynamics Based Biometric System Using Machine Learning Algorithms. <i>IEEE Access</i> , 2021, 9, 94625-94643.	2.6	35
26	A lowâ€œoffset lowâ€œpower and highâ€œspeed dynamic latch comparator with a preamplifierâ€œenhanced stage. <i>IET Circuits, Devices and Systems</i> , 2021, 15, 65-77.	0.9	20
27	A nomogram-based diabetic sensorimotor polyneuropathy severity prediction using Michigan neuropathy screening instrumentations. <i>Computers in Biology and Medicine</i> , 2021, 139, 104954.	3.9	7
28	Frequency and Phase Drift in Scanning Trajectory for Endoscopic Imaging System. , 2021, , .		0
29	Performance Analysis of Conventional Machine Learning Algorithms for Identification of Chronic Kidney Disease in Type 1 Diabetes Mellitus Patients. <i>Diagnostics</i> , 2021, 11, 2267.	1.3	10
30	Machine Learning-Based Epileptic Seizure Detection Methods Using Wavelet and EMD-Based Decomposition Techniques: A Review. <i>Sensors</i> , 2021, 21, 8485.	2.1	15
31	Design Architectures of Ring-Oscillator Based Injection-Locked Frequency Divider for Centimetre Wave RF Devices: An Overview. , 2021, , .		3
32	Design, Construction and Testing of IoT Based Automated Indoor Vertical Hydroponics Farming Test-Bed in Qatar. <i>Sensors</i> , 2020, 20, 5637.	2.1	43
33	Can AI Help in Screening Viral and COVID-19 Pneumonia?. <i>IEEE Access</i> , 2020, 8, 132665-132676.	2.6	1,080
34	Characterization of capacitive electromyography biomedical sensor insulated with porous medical bandages. <i>Scientific Reports</i> , 2020, 10, 14891.	1.6	7
35	Performance analysis of noninvasive electrophysiological methods for the assessment of diabetic sensorimotor polyneuropathy in clinical research: a systematic review and meta-analysis with trial sequential analysis. <i>Scientific Reports</i> , 2020, 10, 21770.	1.6	16
36	Estimating Blood Pressure from the Photoplethysmogram Signal and Demographic Features Using Machine Learning Techniques. <i>Sensors</i> , 2020, 20, 3127.	2.1	134

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37	A low power and low ripple CMOS high voltage generator for RFID transponder EEPROM. PLoS ONE, 2020, 15, e0225408.	1.1	3
38	A Systematic Approach to the Design and Characterization of a Smart Insole for Detecting Vertical Ground Reaction Force (vGRF) in Gait Analysis. Sensors, 2020, 20, 957.	2.1	78
39	A Low Noise Capacitive Electromyography Monitoring System for Remote Healthcare Applications. IEEE Sensors Journal, 2020, 20, 3333-3342.	2.4	29
40	Design of a low-power compact CMOS variable gain amplifier for modern RF receivers. Bulletin of Electrical Engineering and Informatics, 2020, 9, 87-93.	0.6	1
41	Microswitch in 0.13 $\mu$ m CMOS Process for IoT Device Transceivers. , 2020, , .		0
42	CMOS LNA for IoT RFID. , 2020, , .		2
43	Real-Time Smart-Digital Stethoscope System for Heart Diseases Monitoring. Sensors, 2019, 19, 2781.	2.1	101
44	CMOS Nanoswitch for RF Frontend. , 2019, , .		2
45	Evolution of a capacitive electromyography contactless biosensor: Design and modelling techniques. Measurement: Journal of the International Measurement Confederation, 2019, 145, 460-471.	2.5	23
46	Design of a Low-Power 10-Bit DAC in 130 nm CMOS Technology. , 2019, , .		2
47	Model-based control strategy for oversaturated traffic regimes based on the LWR traffic model. IET Intelligent Transport Systems, 2019, 13, 896-904.	1.7	3
48	Design Architectures of the CMOS Power Amplifier for 2.4 GHz ISM Band Applications: An Overview. Electronics (Switzerland), 2019, 8, 477.	1.8	13
49	DIGITAL CONTROLLED OSCILLATOR (DCO) FOR ALL DIGITAL PHASE-LOCKED LOOP (ADPLL) – A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2019, 82, .	0.3	1
50	SPADE: Activity Prediction in Smart Homes Using Prefix Tree Based Context Generation. IEEE Access, 2019, 7, 5492-5501.	2.6	13
51	Advancement of CMOS Transimpedance Amplifier for Optical Receiver. Transactions on Electrical and Electronic Materials, 2019, 20, 73-84.	1.0	10
52	CMOS Transmitters for 2.4-GHz RF Devices: Design Architectures of the 2.4-GHz CMOS Transmitter for RF Devices. IEEE Microwave Magazine, 2019, 20, 38-61.	0.7	19
53	Design of Low-Cost Transimpedance Amplifier for Optical Receiver. Transactions on Electrical and Electronic Materials, 2018, 19, 7-13.	1.0	7
54	Computational Enhancement of All Possible Context Generation in Modified-SPEED Algorithm. , 2018, , .		3

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55	Old Handwritten Music Symbol Recognition Using Directional Multi-Resolution Spatial Features. , 2018, , .		3
56	Advances in Active Inductor Based CMOS Band-pass Filter. Micro and Nanosystems, 2018, 10, 3-10.	0.3	6
57	A fully integrated high IP1dB CMOS SPDT switch using stacked transistors for 2.4GHz TDD transceiver applications. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	3
58	Design and Analysis of High Gain Low Power CMOS Comparator. Indonesian Journal of Electrical Engineering and Informatics, 2018, 6, .	0.3	0
59	Design and Analysis of High Gain Low Power CMOS Comparator. Indonesian Journal of Electrical Engineering and Informatics, 2018, 6, .	0.3	0
60	Impact of Skin-Electrode Capacitance on the Performance of CEMG Biosensor. IEEE Sensors Journal, 2017, 17, 2636-2637.	2.4	8
61	A novel weighted support vector machines multiclass classifier based on differential evolution for intrusion detection systems. Information Sciences, 2017, 414, 225-246.	4.0	77
62	Happy-anger emotions classifications from electrocardiogram signal for automobile driving safety and awareness. Journal of Transport and Health, 2017, 7, 75-89.	1.1	42
63	A survey of intrusion detection systems based on ensemble and hybrid classifiers. Computers and Security, 2017, 65, 135-152.	4.0	173
64	Characterization of Textile-Insulated Capacitive Biosensors. Sensors, 2017, 17, 574.	2.1	34
65	Development and validation of the LWR-IM traffic simulator. , 2017, , .		1
66	Low Cost Wearable Sensor for Human Emotion Recognition Using Skin Conductance Response. IEICE Transactions on Information and Systems, 2017, E100.D, 3010-3017.	0.4	4
67	A Location Based Sequence Prediction Algorithm for Determining Next Activity in Smart Home. Journal of Engineering Science and Technology Review, 2017, 10, 161-165.	0.2	12
68	Design of a Low-power CMOS Level Shifter for Low-delay SoCs in Silterra 0.13 Åµm CMOS Process. Journal of Engineering Science and Technology Review, 2017, 10, 10-15.	0.2	6
69	Active inductor based fully integrated CMOS transmit/ receive switch for 2.4 GHz RF transceiver. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1089-1098.	0.3	12
70	Low Cost GPS/IMU Integrated Accident Detection and Location System. Indian Journal of Science and Technology, 2016, 9, .	0.5	17
71	Low Power High-Efficiency Shift Register Using Implicit Pulse-Triggered Flip-Flop in 130 nm CMOS Process for a Cryptographic RFID Tag. Electronics (Switzerland), 2016, 5, 92.	1.8	9
72	A study on low power phase frequency detectors for delay locked loop. , 2016, , .		0

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73	HICCE-128: An open hardware FMC module for High-Channel Count Electrophysiology. , 2016, , .		1
74	Low power delay locked-loop using 0.13 $\mu$ m CMOS technology. , 2016, , .		0
75	Resistorless self-biased curvature compensated sub-1V CMOS bandgap reference. , 2016, , .		1
76	Low power consumption techniques of quartz crystal oscillator. , 2016, , .		1
77	Capacitive electromyography biosensor with wearable material as an insulator. , 2016, , .		1
78	A comparative assessment of the LWR-IM traffic model using linear regression. , 2016, , .		0
79	Ensemble of binary SVM classifiers based on PCA and LDA feature extraction for intrusion detection. , 2016, , .		33
80	Risk prediction of having increased arterial stiffness among diabetic patients using logistic regression. , 2016, , .		0
81	Ensemble SVM classifiers based on PCA and LDA for IDS. , 2016, , .		3
82	Design of a low power static frequency divider. , 2016, , .		1
83	Design of low power crystal oscillator in 0.13 $\mu$ m CMOS technology. , 2016, , .		0
84	Design of a row decoder for RFID transponder EEPROM. , 2016, , .		0
85	Survey of learning methods in intrusion detection systems. , 2016, , .		19
86	The evolution of digital to analog converter. , 2016, , .		5
87	Low power high-speed current comparator using 130nm CMOS technology. , 2016, , .		4
88	Low power and high speed CMOS current comparators. , 2016, , .		2
89	Design of a low-power high-speed comparator in 0.13 $\mu$ m CMOS. , 2016, , .		3
90	Low power D flip-flop serial in/parallel out based shift register. , 2016, , .		5

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91	Performance analysis of wavelength specific transmission in turbulent medium for free space optical communication systems. , 2016, , .		1
92	Welcome messages. , 2016, , .		0
93	Psycho-social well-being in relation to the psychoacoustic factors identified by autocorrelation functions. , 2016, , .		0
94	Application and validation of the LWR-IM traffic model in class II urban arterial. , 2016, , .		1
95	A novel SVM-kNN-PSO ensemble method for intrusion detection system. Applied Soft Computing Journal, 2016, 38, 360-372.	4.1	354
96	Review of IDS Development Methods in Machine Learning. International Journal of Electrical and Computer Engineering, 2016, 6, 2432.	0.5	5
97	Platoon Interactions and Real-World Traffic Simulation and Validation Based on the LWR-IM. PLoS ONE, 2016, 11, e0144798.	1.1	5
98	Design of an Active Inductor-Based T/R Switch in 0.13 $\mu$ m CMOS Technology for 2.4 GHz RF Transceivers. Transactions on Electrical and Electronic Materials, 2016, 17, 261-269.	1.0	2
99	Evaluation of Low Power and High Speed CMOS Current Comparators. Transactions on Electrical and Electronic Materials, 2016, 17, 317-328.	1.0	2
100	A comparative study of the LWR-IM traffic model and shockwave analysis. , 2015, , .		1
101	A Time Series Based Sequence Prediction Algorithm to Detect Activities of Daily Living in Smart Home. Methods of Information in Medicine, 2015, 54, 262-270.	0.7	11
102	&lt;b&gt;Design of a low-power flash analog-to-digital converter chip for temperature sensors in 0.18 $\mu$ m CMOS process. Acta Scientiarum - Technology, 2015, 37, 33.	0.4	2
103	Cmos spdt switch for wlan applications. IOP Conference Series: Materials Science and Engineering, 2015, 78, 012011.	0.3	0
104	Dual-mode receiver architecture for Bluetooth and IEEE 802.11b standards. , 2015, , .		3
105	A compact transmit/receive switch for 2.4 GHz reader-less active RFID tag transceiver. Journal of Central South University, 2015, 22, 546-551.	1.2	10
106	Investigating Phase Detectors: Advances in Mature and Emerging Phase-Frequency and Time-to-Digital Detectors in Phase-Locked Looped Systems. IEEE Microwave Magazine, 2015, 16, 56-78.	0.7	7
107	An Integrated Approach for Platoon-based Simulation and Its Feasibility Assessment. PLoS ONE, 2015, 10, e0114406.	1.1	7
108	Low Power Designs of Current Steered DACs in CMOS Process: A Review. International Journal on Electrical Engineering and Informatics, 2015, 7, 207-225.	0.3	3

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109	High Performance CMOS Charge Pumps for Phase-locked Loop. Transactions on Electrical and Electronic Materials, 2015, 16, 241-249.	1.0	4
110	Evolution of IC Switching Voltage Regulator. Przegląd Elektrotechniczny, 2015, 1, 156-162.	0.1	0
111	FATIGUE CONTRACTION ANALYSIS USING EMPIRICAL MODE DECOMPOSITION AND WAVELET TRANSFORM. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	0
112	Design of High Speed and Low Offset Dynamic Latch Comparator in 0.18 $\mu\text{m}$ CMOS Process. PLoS ONE, 2014, 9, e108634.	1.1	15
113	A Novel Vehicle Stationary Detection Utilizing Map Matching and IMU Sensors. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	7
114	A High-Speed and Low-Offset Dynamic Latch Comparator. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	15
115	High-Speed Current $dq$ PI Controller for Vector Controlled PMSM Drive. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	15
116	Designing a Ring-VCO for RFID Transponders in 0.18 $\mu\text{m}$ CMOS Process. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	16
117	Advances in Bio-Tactile Sensors for Minimally Invasive Surgery Using the Fibre Bragg Grating Force Sensor Technique: A Survey. Sensors, 2014, 14, 6633-6665.	2.1	101
118	Reduction of the Dimensionality of the EEG Channels during Scoliosis Correction Surgeries Using a Wavelet Decomposition Technique. Sensors, 2014, 14, 13046-13069.	2.1	12
119	Modeling and Estimating Platoon Arrival Profile in Coordinated Arterials Using Rakha-LWR Based VCPN Approach. , 2014, , .		3
120	Attitude Heading Reference System based vehicle stationary state detection. , 2014, , .		2
121	Design of a novel adder-less Barker matched filter for RFID. International Journal of Circuit Theory and Applications, 2014, 42, 321-329.	1.3	7
122	Determination of muscle fatigue in SEMG signal using empirical mode decomposition. , 2014, , .		4
123	FPGA Based Precise and High Speed Current $dq$ PI Controller for FOC PMSM Drive. Current Nanoscience, 2014, 10, 394-401.	0.7	2
124	Design Trends in Fully Integrated 2.4 GHz CMOS SPDT Switches. Current Nanoscience, 2014, 10, 334-343.	0.7	23
125	Design of a nanoswitch in 130 nm CMOS technology for 2.4 GHz wireless terminals. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 399-406.	0.8	4
126	A Low Power 0.18 $\mu\text{m}$ CMOS Phase Frequency Detector for High Speed PLL. Elektronika Ir Elektrotechnika, 2014, 20, .	0.4	6



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127	Integrated Vehicle Accident Detection and Location System. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	10
128	Integrated Vehicle Accident Detection and Location System. Telkomnika (Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.6	3
129	CMOS Differential Ring Oscillators: Review of the Performance of CMOS ROs in Communication Systems. IEEE Microwave Magazine, 2013, 14, 97-109.	0.7	66
130	A low voltage VGA for RFID receivers. , 2013, , .		7
131	Shunt-feedback transimpedance amplifier in 0.18µm CMOS technology. , 2013, , .		1
132	A Review on the Applications of Petri Nets in Modeling, Analysis, and Control of Urban Traffic. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 858-870.	4.7	60
133	Evolution of Electroencephalogram Signal Analysis Techniques during Anesthesia. Sensors, 2013, 13, 6605-6635.	2.1	54
134	Effectiveness of Wavelet Denoising on Electroencephalogram Signals. Journal of Applied Research and Technology, 2013, 11, 156-160.	0.6	82
135	Surface Electromyography Signal Processing and Classification Techniques. Sensors, 2013, 13, 12431-12466.	2.1	643
136	GPS and Map matching based vehicle accident detection system. , 2013, , .		39
137	Design and Implementation of a Low Supply Voltage Voltage Type Sense Amplifier with Low Current Consumption for RFID Transponder. Automatika, 2013, 54, 210-216.	1.2	0
138	Based on the Theory of Reliability High Piers Short Towers Cable-Stayed Bridge Characteristic Parameter Analysis. Modern Applied Science, 2013, 7, .	0.4	0
139	<b>Determining the arterial stiffness through contour analysis of a PPG and its association with HbA1c among diabetic patients in Malaysia</b> - doi: 10.4025/actascitechnol.v36i1.17096. Acta Scientiarum - Technology, 2013, 36, .	0.4	1
140	BPNN based MEEG elimination from the abdominal signal to extract fetal signal for continuous fetal monitoring. Acta Scientiarum - Technology, 2013, 35, .	0.4	3
141	Design of a digital modulator and demodulator for reader-less RFID Tag in 0.18 µm CMOS process. Acta Scientiarum - Technology, 2013, 35, .	0.4	0
142	A Low Drop-Out Voltage Regulator in 0.18 µm CMOS Technology. Modern Applied Science, 2013, 7, .	0.4	9
143	Design and analysis of inverted H shape dual band patch antenna for microwave application. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012002.	0.3	0
144	Hardware Implementation of A High Speed Inverse Park Transformation Using CORDIC and PLL for FOC Brushless Servo Drive. Elektronika Ir Elektrotehnika, 2013, 19, .	0.4	4

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145	An Active Inductor Based Low Noise Amplifier for RF Receiver. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	4
146	A Low Power 3-Stage Voltage-Controlled Ring Oscillator in 0.18 $\mu\text{m}$ CMOS Process for Active RFID Transponder. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	13
147	Hardware Prototyping of Neural Network based Fetal Electrocardiogram Extraction. Measurement Science Review, 2012, 12, .	0.6	16
148	The Analysis of PPG Morphology: Investigating the Effects of Aging on Arterial Compliance. Measurement Science Review, 2012, 12, .	0.6	94
149	Advancement of CMOS Schmitt Trigger Circuits. Modern Applied Science, 2012, 6, .	0.4	20
150	Differential ring oscillator based voltage control oscillator for readerless RFID transponder. , 2012, , .		2
151	Wavelet transform to recognize muscle fatigue. , 2012, , .		5
152	Compatibility of mother wavelet functions with the electroencephalographic signal. , 2012, , .		17
153	Analysis of area under curve of PPG and its relation with HbA1c. , 2012, , .		3
154	Effectiveness of the Wavelet Transform on the Surface EMG to Understand the Muscle Fatigue During Walk. Measurement Science Review, 2012, 12, .	0.6	30
155	Design and analysis of a compact planar electromagnetic bandgap (EBG) structure. , 2012, , .		1
156	SPEED: An Inhabitant Activity Prediction Algorithm for Smart Homes. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 985-990.	3.4	75
157	A Review of Smart Homesâ€™ Past, Present, and Future. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1190-1203.	3.3	505
158	Accident detection and reporting system using GPS, GPRS and GSM technology. , 2012, , .		76
159	Design of a low voltage charge pump circuit for RFID tag. , 2012, , .		2
160	Second derivatives of photoplethysmography (PPG) for estimating vascular aging of atherosclerotic patients. , 2012, , .		12
161	The Assessment of Atherosclerosis in Erectile Dysfunction Subjects Using Photoplethysmography. , 2012, , .		0
162	Hardware Approach of Two Way Conversion of Floating Point to Fixed Point for Current dq PI Controller of FOC PMSM Drive. Elektronika Ir Elektrotechnika, 2012, 123, .	0.4	5

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163	Current Sensor and Compatible Test Processor for IDDQ Testing of Integrated Circuits. Journal of Engineering and Applied Sciences, 2012, 7, 152-154.	0.2	0
164	A SPATIOTEMPORAL MODEL OF HUMAN CIRCADIAN RHYTHM IN SMART HOMES. Applied Artificial Intelligence, 2011, 25, 788-798.	2.0	1
165	Stochastic analysis of smart home user activities. , 2011, , .		0
166	Fetal electrocardiogram extraction and R-peak detection for fetal heart rate monitoring using artificial neural network and Correlation. , 2011, , .		9
167	A Low Voltage Charge Pump Circuit for RFID Tag EEPROM. , 2011, , .		3
168	Hardware Approach of a Multipurpose Finite Impulse Response Filter for Real-Time Filtering Applications. American Journal of Applied Sciences, 2011, 8, 1272-1281.	0.1	1
169	Design and Implementation of Novel Artificial Neural Network Based Stock Market Forecasting System on Field-Programmable Gate Arrays. American Journal of Applied Sciences, 2011, 8, 1054-1060.	0.1	4
170	Single Core Hardware Module to Implement Partial Encryption of Compressed Image. American Journal of Applied Sciences, 2011, 8, 566-573.	0.1	2
171	Single Core Hardware Module to Implement Boolean Function Classification Techniques. American Journal of Applied Sciences, 2011, 8, 1176-1181.	0.1	0
172	Subway Train Braking System: A Fuzzy Based Hardware Approach. American Journal of Applied Sciences, 2011, 8, 740-747.	0.1	3
173	A Single Core Hardware Module of a Data Compression Scheme Using Prediction by Partial Matching Technique. American Journal of Applied Sciences, 2011, 8, 1169-1175.	0.1	0
174	Photoplethysmogram reflection index and aging. Proceedings of SPIE, 2011, , .	0.8	2
175	Circuit of an EEPROM sense amplifier in 0.18 &#x00B5;m CMOS technology. , 2011, , .		1
176	Statistical Modeling of the Residentâ€™s Activity Interval in Smart Homes. Journal of Applied Sciences, 2011, 11, 3058-3061.	0.1	4
177	A LOW VOLTAGE-TYPE SENSE AMPLIFIER DESIGN FOR EEPROM MEMORY. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2011, 70, 1379-1385.	0.2	0
178	Hardware Approach of Fuzzy Inference Based Signature Verification System. Research Journal of Applied Sciences, 2011, 6, 467-472.	0.1	0
179	Hardware Approach of ANN Based Iris Recognition for Real-time Biometric Identification. Journal of Applied Sciences, 2011, 11, 2984-2992.	0.1	1
180	Temporal modeling and its application for anomaly detection in smart homes. African Journal of Business Management, 2011, 6, .	0.4	0

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181	FPGA implementation of elliptic curve cryptography engine for personal communication systems. Scientific Research and Essays, 2011, 6, .	0.1	0
182	Effects of exercise on the second derivative photoplethysmography(PPG) waveform. , 2010, , .		3
183	Photoplethysmography analysis of artery properties in patients presenting with established erectile dysfunction. , 2010, , .		3
184	A Study on Discrete Wavelet-Based Noise Removal from EEG Signals. Advances in Experimental Medicine and Biology, 2010, 680, 593-599.	0.8	36
185	A Low Ripple Low Power CMOS Demodulator for 13.56 MHz RFID Reader. Frequenz, 2010, 64, 153-155.	0.6	0
186	Hardware prototyping of an intelligent current dq PI controller for FOC PMSM drive. , 2010, , .		35
187	FPGA implementation of an intelligent current dq PI controller for FOC PMSM drive. , 2010, , .		19
188	A Task Oriented Multiagent Model for Smart Home Utilizing Hierarchical Agent Architecture. , 2010, , .		0
189	RFID reader design: Diminutive dependency of antenna orientation exploiting revolving field. , 2010, , .		1
190	Design and simulation of a lumped element metal finger capacitor for RF-CMOS power splitters. , 2010, , .		1
191	Human activity classification for smart home: A multiagent approach. , 2010, , .		5
192	Design of an EEPROM in RFID tag: Employing mapped EPC and IPv6 address. , 2010, , .		11
193	CMOS 2.45GHz RF power amplifier for RFID reader. , 2009, , .		1
194	Detection and Processing Techniques of FECC Signal for Fetal Monitoring. Biological Procedures Online, 2009, 11, 263-95.	1.4	112
195	Electromyography signal analysis using wavelet transform and higher order statistics to determine muscle contraction. Expert Systems, 2009, 26, 35-48.	2.9	89
196	Design and Analysis of UHF Micropower CMOS DTMOST Rectifiers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 122-126.	2.2	19
197	VHDL modeling of FECC extraction from the composite abdominal ECG using Artificial Intelligence. , 2009, , .		8
198	Second derivative of photoplethysmogram in estimating vascular aging among diabetic patients. , 2009, , .		9

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199	Design of an integrated demodulator for a 13.56 MHz RFID reader. , 2009, , .		0
200	Development of CMOS UHF RFID modulator and demodulator using DTMOST techniques. , 2009, , .		1
201	Design and Simulation of RF-CMOS Spiral Inductors for ISM Band RFID Reader Circuits. , 2009, , .		4
202	An Efficient Method for Fetal Electrocardiogram Extraction from the Abdominal Electrocardiogram Signal. Journal of Computer Science, 2009, 5, 619-623.	0.5	7
203	Fast Clock Tree Generation Using Exact Zero Skew Clock Routing Algorithm. Journal of Applied Sciences, 2009, 9, 2150-2155.	0.1	0
204	High Degree of Testability Using Full Scan Chain and ATPG-An Industrial Perspective. Journal of Applied Sciences, 2009, 9, 2613-2618.	0.1	3
205	Design of adaptive supply voltage for sub-threshold logic based on sub-1V bandgap reference circuit. Microelectronics Journal, 2008, 39, 24-29.	1.1	2
206	A modified-set partitioning in hierarchical trees algorithm for real-time image compression. Journal of Communications Technology and Electronics, 2008, 53, 642-650.	0.2	24
207	Hardware implementations of an image compressor for mobile communications. Journal of Communications Technology and Electronics, 2008, 53, 899-910.	0.2	18
208	Zero skew clock routing for fast clock tree generation. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	7
209	Low power ROM employing dynamic threshold-voltage MOSFET (DTMOS) technique. , 2008, , .		1
210	Design methodology to achieve good testability of VLSI chips: An industrial perspective. , 2008, , .		3
211	The Advent of Industry Fit RFID Readers. , 2008, , .		1
212	Development of power control module in RFID reader circuit: A Mentor Graphic simulation approach. , 2008, , .		3
213	Expert System for Power Quality Disturbance Classifier. IEEE Transactions on Power Delivery, 2007, 22, 1979-1988.	2.9	129
214	Prototyping of Wavelet Transform, Artificial Neural Network and Fuzzy Logic for Power Quality Disturbance Classifier. Electric Power Components and Systems, 2007, 35, 1-17.	1.0	32
215	A fully-integrated 5ÅGbit/s CMOS clock and data recovery circuit. Analog Integrated Circuits and Signal Processing, 2007, 51, 101-109.	0.9	3
216	Time-stamp service makes real-time gaming cheat-free. , 2007, , .		15

#	ARTICLE	IF	CITATIONS
217	Techniques of FECC signal analysis: detection and processing for fetal monitoring. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	17
218	Wildlife net-gamekeepers using sensor network. , 2007, , .		1
219	Encryption in TECB Mode: Modeling, Simulation and Synthesis. Communications in Computer and Information Science, 2007, , 205-215.	0.4	0
220	EEG signal analysis and characterization for the aid of disabled people. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	3
221	Implementation of Internal Mixed Signal ESD Protection onto RFID Transponder IC. , 2006, , .		3
222	Techniques of EMG signal analysis: detection, processing, classification and applications. Biological Procedures Online, 2006, 8, 11-35.	1.4	1,107
223	Techniques of EMG signal analysis: detection, processing, classification and applications (Correction). Biological Procedures Online, 2006, 8, 163-163.	1.4	73
224	VHDL Modeling for Classification of Power Quality Disturbance Employing Wavelet Transform, Artificial Neural Network and Fuzzy Logic. Simulation, 2006, 82, 867-881.	1.1	18
225	A VLSI Design Framework with Freeware CAD Tools. , 2006, , .		0
226	IMAGE COMPRESSION SYSTEM FOR MOBILE COMMUNICATION: ADVANCEMENT IN THE RECENT YEARS. Journal of Circuits, Systems and Computers, 2006, 15, 777-815.	1.0	4
227	Advances in Signal Processing and Artificial Intelligence Technologies in the Classification of Power Quality Events: A Survey. Electric Power Components and Systems, 2005, 33, 1333-1349.	1.0	14
228	The FPGA approach in the design and development of an automated rail transit system controller. , 2004, , .		0
229	FPGA realization of backpropagation for stock market prediction. , 0, , .		4
230	FPGA realization of multipurpose FIR filter. , 0, , .		15
231	The simultaneous logic and IDDQ testing of CMOS ICs with mixed-mode testing facility for sequential circuits. , 0, , .		0
232	Iris recognition using neural network based on VHDL prototyping. , 0, , .		6
233	Adaptive linear neural network filter for fetal ECG extraction. , 0, , .		27
234	Partial Encryption of Compressed Images Employing FPGA. , 0, , .		16

#	ARTICLE	IF	CITATIONS
235	A 5Gbit/s CMOS Clock and Data Recovery Circuit. , 0, , .		2
236	Power Quality Disturbance Detection Using Artificial Intelligence: A Hardware Approach. , 0, , .		8
237	Design and Implementation of a Data Compression Scheme: A Partial Matching Approach. , 0, , .		6
238	Design and Analysis of CMOS Linear Feedback Shift Registers for Low Power Application. Applied Mechanics and Materials, 0, 833, 111-118.	0.2	1
239	Tomato Leaf Diseases Detection Using Deep Learning Technique. , 0, , .		14
240	Machine Learning in Wearable Biomedical Systems. , 0, , .		10