Mamun Bin Ibne Reaz

List of Publications by Year
in descending order

240 papers	7,060 citations	172386 29 h-index	66879 78 g-index
246 all docs	246 docs citations	246 times ranked	6524 citing authors

#	Article	IF	Citations
1	Techniques of EMG signal analysis: detection, processing, classification and applications. Biological Procedures Online, 2006, 8, 11-35.	1.4	1,107
2	Can AI Help in Screening Viral and COVID-19 Pneumonia?. IEEE Access, 2020, 8, 132665-132676.	2.6	1,080
3	Surface Electromyography Signal Processing and Classification Techniques. Sensors, 2013, 13, 12431-12466.	2.1	643
4	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
5	A novel SVM-kNN-PSO ensemble method for intrusion detection system. Applied Soft Computing Journal, 2016, 38, 360-372.	4.1	354
6	A survey of intrusion detection systems based on ensemble and hybrid classifiers. Computers and Security, 2017, 65, 135-152.	4.0	173
7	Estimating Blood Pressure from the Photoplethysmogram Signal and Demographic Features Using Machine Learning Techniques. Sensors, 2020, 20, 3127.	2.1	134
8	Expert System for Power Quality Disturbance Classifier. IEEE Transactions on Power Delivery, 2007, 22, 1979-1988.	2.9	129
9	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. AgriEngineering, 2021, 3, 294-312.	1.7	115
10	Detection and Processing Techniques of FECG Signal for Fetal Monitoring. Biological Procedures Online, 2009, 11, 263-95.	1.4	112
11	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
12	Real-Time Smart-Digital Stethoscope System for Heart Diseases Monitoring. Sensors, 2019, 19, 2781.	2.1	101
13	The Analysis of PPG Morphology: Investigating the Effects of Aging on Arterial Compliance. Measurement Science Review, 2012, 12, .	0.6	94
14	Electromyography signal analysis using wavelet transform and higher order statistics to determine muscle contraction. Expert Systems, 2009, 26, 35-48.	2.9	89
15	Effectiveness of Wavelet Denoising on Electroencephalogram Signals. Journal of Applied Research and Technology, 2013, 11, 156-160.	0.6	82
16	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
17	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
18	Accident detection and reporting system using GPS, GPRS and GSM technology. , 2012, , .		76

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19	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
20	Techniques of EMG signal analysis: detection, processing, classification and applications (Correction). Biological Procedures Online, 2006, 8, 163-163.	1.4	73
21	CMOS Differential Ring Oscillators: Review of the Performance of CMOS ROs in Communication Systems. IEEE Microwave Magazine, 2013, 14, 97-109.	0.7	66
22	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
23	A machine learning model for early detection of diabetic foot using thermogram images. Computers in Biology and Medicine, 2021, 137, 104838.	3.9	56
24	Evolution of Electroencephalogram Signal Analysis Techniques during Anesthesia. Sensors, 2013, 13, 6605-6635.	2.1	54
25	Design, Construction and Testing of IoT Based Automated Indoor Vertical Hydroponics Farming Test-Bed in Qatar. Sensors, 2020, 20, 5637.	2.1	43
26	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
27	GPS and Map matching based vehicle accident detection system. , 2013, , .		39
28	A Study on Discrete Wavelet-Based Noise Removal from EEG Signals. Advances in Experimental Medicine and Biology, 2010, 680, 593-599.	0.8	36
29	Hardware prototyping of an intelligent current dq PI controller for FOC PMSM drive. , 2010, , .		35
30	Multimodal EEG and Keystroke Dynamics Based Biometric System Using Machine Learning Algorithms. IEEE Access, 2021, 9, 94625-94643.	2.6	35
31	Characterization of Textile-Insulated Capacitive Biosensors. Sensors, 2017, 17, 574.	2.1	34
32	Ensemble of binary SVM classifiers based on PCA and LDA feature extraction for intrusion detection. , 2016, , .		33
33	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
34	A Novel Non-Invasive Estimation of Respiration Rate From Motion Corrupted Photoplethysmograph Signal Using Machine Learning Model. IEEE Access, 2021, 9, 96775-96790.	2.6	31
35	Effectiveness of the Wavelet Transform on the Surface EMG to Understand the Muscle Fatigue During Walk. Measurement Science Review, 2012, 12, .	0.6	30
36	A Low Noise Capacitive Electromyography Monitoring System for Remote Healthcare Applications. IEEE Sensors Journal, 2020, 20, 3333-3342.	2.4	29

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37	Adaptive linear neural network filter for fetal ECG extraction. , 0, , .		27
38	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
39	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
40	Design Trends in Fully Integrated 2.4 GHz CMOS SPDT Switches. Current Nanoscience, 2014, 10, 334-343.	0.7	23
41	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
42	Advancement of CMOS Schmitt Trigger Circuits. Modern Applied Science, 2012, 6, .	0.4	20
43	Diabetic Sensorimotor Polyneuropathy Severity Classification Using Adaptive Neuro Fuzzy Inference System. IEEE Access, 2021, 9, 7618-7631.	2.6	20
44	Performance Analysis of Conventional Machine Learning Algorithms for Diabetic Sensorimotor Polyneuropathy Severity Classification. Diagnostics, 2021, 11, 801.	1.3	20
45	A low‐offset low‐power and high‐speed dynamic latch comparator with a preamplifier‐enhanced stage. IET Circuits, Devices and Systems, 2021, 15, 65-77.	0.9	20
46	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
47	FPGA implementation of an intelligent current dq PI controller for FOC PMSM drive. , 2010, , .		19
48	Survey of learning methods in intrusion detection systems. , 2016, , .		19
49	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
50	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
51	Hardware implementations of an image compressor for mobile communications. Journal of Communications Technology and Electronics, 2008, 53, 899-910.	0.2	18
52	A Novel Machine Learning Approach for Severity Classification of Diabetic Foot Complications Using Thermogram Images. Sensors, 2022, 22, 4249.	2.1	18
53	Compatibility of mother wavelet functions with the electroencephalographic signal. , 2012, , .		17
54	Low Cost GPS/IMU Integrated Accident Detection and Location System. Indian Journal of Science and Technology, 2016, 9, .	0.5	17

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55	Techniques of FECG signal analysis: detection and processing for fetal monitoring. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	17
56	Partial Encryption of Compressed Images Employing FPGA. , 0, , .		16
57	Hardware Prototyping of Neural Network based Fetal Electrocardiogram Extraction. Measurement Science Review, 2012, 12, .	0.6	16
58	Designing a Ring-VCO for RFID Transponders in 0.18â€‰Î¼m CMOS Process. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	16
59	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. Scientific Reports, 2020, 10, 21770.	1.6	16
60	FPGA realization of multipurpose FIR filter. , 0, , .		15
61	Design of High Speed and Low Offset Dynamic Latch Comparator in 0.18 Âµm CMOS Process. PLoS ONE, 2014, 9, e108634.	1.1	15
62	A High-Speed and Low-Offset Dynamic Latch Comparator. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	15
63	High-Speed Current<i>dq</i>PI Controller for Vector Controlled PMSM Drive. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	15
64	Time-stamp service makes real-time gaming cheat-free. , 2007, , .		15
65	Thermal Change Index-Based Diabetic Foot Thermogram Image Classification Using Machine Learning Techniques. Sensors, 2022, 22, 1793.	2.1	15
66	Machine Learning-Based Epileptic Seizure Detection Methods Using Wavelet and EMD-Based Decomposition Techniques: A Review. Sensors, 2021, 21, 8485.	2.1	15
67	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
68	Tomato Leaf Diseases Detection Using Deep Learning Technique. , 0, , .		14
69	CMOS Low-Dropout Voltage Regulator Design Trends: An Overview. Electronics (Switzerland), 2022, 11, 193.	1.8	14
70	Design Architectures of the CMOS Power Amplifier for 2.4 GHz ISM Band Applications: An Overview. Electronics (Switzerland), 2019, 8, 477.	1.8	13
71	SPADE: Activity Prediction in Smart Homes Using Prefix Tree Based Context Generation. IEEE Access, 2019, 7, 5492-5501.	2.6	13
72	A Low Power 3-Stage Voltage-Controlled Ring Oscillator in 0.18 Âµm CMOS Process for Active RFID Transponder. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	13

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73	Second derivatives of photoplethysmography (PPG) for estimating vascular aging of atherosclerotic patients. , 2012, , .		12
74	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
75	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
76	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
77	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
78	Design of an EEPROM in RFID tag: Employing mapped EPC and IPv6 address. , 2010, , .		11
79	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
80	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
81	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
82	Advancement of CMOS Transimpedance Amplifier for Optical Receiver. Transactions on Electrical and Electronic Materials, 2019, 20, 73-84.	1.0	10
83	Integrated Vehicle Accident Detection and Location System. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.6	10
84	Machine Learning in Wearable Biomedical Systems. , 0, , .		10
85	Motion Artifacts Correction From EEG and fNIRS Signals Using Novel Multiresolution Analysis. IEEE Access, 2022, 10, 29760-29777.	2.6	10
86	Performance Analysis of Conventional Machine Learning Algorithms for Identification of Chronic Kidney Disease in Type 1 Diabetes Mellitus Patients. Diagnostics, 2021, 11, 2267.	1.3	10
87	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
88	Second derivative of photoplethysmogram in estimating vascular aging among diabetic patients. , 2009, , .		9
89	Fetal electrocardiogram extraction and R-peak detection for fetal heart rate monitoring using artificial neural network and Correlation. , 2011, , .		9
90	A Low Drop-Out Voltage Regulator in 0.18 µm CMOS Technology. Modern Applied Science, 2013, 7, .	0.4	9

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91	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
92	Force-Invariant Improved Feature Extraction Method for Upper-Limb Prostheses of Transradial Amputees. Diagnostics, 2021, 11, 843.	1.3	9
93	Power Quality Disturbance Detection Using Artificial Intelligence: A Hardware Approach. , 0, , .		8
94	VHDL modeling of FECG extraction from the composite abdominal ECG using Atificial Intelligence. , 2009, , .		8
95	Impact of Skin-Electrode Capacitance on the Performance of CEMG Biosensor. IEEE Sensors Journal, 2017, 17, 2636-2637.	2.4	8
96	Zero skew clock routing for fast clock tree generation. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	7
97	A low voltage VGA for RFID receivers. , 2013, , .		7
98	A Novel Vehicle Stationary Detection Utilizing Map Matching and IMU Sensors. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	7
99	Design of a novel adderâ€less Barker matched filter for RFID. International Journal of Circuit Theory and Applications, 2014, 42, 321-329.	1.3	7
100	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
101	Design of Low-Cost Transimpedance Amplifier for Optical Receiver. Transactions on Electrical and Electronic Materials, 2018, 19, 7-13.	1.0	7
102	Characterization of capacitive electromyography biomedical sensor insulated with porous medical bandages. Scientific Reports, 2020, 10, 14891.	1.6	7
103	An 8.72 ÂµW Low-Noise and Wide Bandwidth FEE Design for High-Throughput Pixel-Strip (PS) Sensors. Sensors, 2021, 21, 1760.	2.1	7
104	An Integrated Approach for Platoon-based Simulation and Its Feasibility Assessment. PLoS ONE, 2015, 10, e0114406.	1.1	7
105	An Efficient Method for Fetal Electrocardiogram Extraction from the Abdominal Electrocardiogram Signal. Journal of Computer Science, 2009, 5, 619-623.	0.5	7
106	A nomogram-based diabetic sensorimotor polyneuropathy severity prediction using Michigan neuropathy screening instrumentations. Computers in Biology and Medicine, 2021, 139, 104954.	3.9	7
107	Iris recognition using neural network based on VHDL prototyping. , 0, , .		6
108	Design and Implementation of a Data Compression Scheme: A Partial Matching Approach. , 0, , .		6

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109	Advances in Active Inductor Based CMOS Band-pass Filter. Micro and Nanosystems, 2018, 10, 3-10.	0.3	6
110	A Low Power 0.18-Î¼m CMOS Phase Frequency Detector for High Speed PLL. Elektronika Ir Elektrotechnika, 2014, 20, .	0.4	6
111	Design of a Low-power CMOS Level Shifter for Low-delay SoCs in Silterra 0.13 Âµm CMOS Process. Journal of Engineering Science and Technology Review, 2017, 10, 10-15.	0.2	6
112	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
113	Human activity classification for smart home: A multiagent approach. , 2010, , .		5
114	Wavelet transform to recognize muscle fatigue. , 2012, , .		5
115	The evolution of digital to analog converter. , 2016, , .		5
116	Low power D flip-flop serial in/parallel out based shift register. , 2016, , .		5
117	Review of IDS Develepment Methods in Machine Learning. International Journal of Electrical and Computer Engineering, 2016, 6, 2432.	0.5	5
118	Platoon Interactions and Real-World Traffic Simulation and Validation Based on the LWR-IM. PLoS ONE, 2016, 11, e0144798.	1.1	5
119	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
120	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
121	Myoelectric Pattern Recognition Performance Enhancement Using Nonlinear Features. Computational Intelligence and Neuroscience, 2022, 2022, 1-19.	1.1	5
122	FPGA realization of backpropagation for stock market prediction. , 0, , .		4
123	IMAGE COMPRESSION SYSTEM FOR MOBILE COMMUNICATION: ADVANCEMENT IN THE RECENT YEARS. Journal of Circuits, Systems and Computers, 2006, 15, 777-815.	1.0	4
124	Design and Simulation of RF-CMOS Spiral Inductors for ISM Band RFID Reader Circuits. , 2009, , .		4
125	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
126	Determination of muscle fatigue in SEMG signal using empirical mode decomposition. , 2014, , .		4

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127	Low power high-speed current comparator using 130nm CMOS technology. , 2016, , .		4
128	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
129	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
130	Statistical Modeling of the Residentâ€™s Activity Interval in Smart Homes. Journal of Applied Sciences, 2011, 11, 3058-3061.	0.1	4
131	High Performance CMOS Charge Pumps for Phase-locked Loop. Transactions on Electrical and Electronic Materials, 2015, 16, 241-249.	1.0	4
132	Hardware Implementation of A High Speed Inverse Park Transformation Using CORDIC and PLL for FOC Brushless Servo Drive. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	4
133	An Active Inductor Based Low Noise Amplifier for RF Receiver. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	4
134	Forearm Orientation and Muscle Force Invariant Feature Selection Method for Myoelectric Pattern Recognition. IEEE Access, 2022, 10, 46442-46471.	2.6	4
135	Implementation of Internal Mixed Signal ESD Protection onto RFID Transponder IC. , 2006, , .		3
136	A fully-integrated 5ÂGbit/s CMOS clock and data recovery circuit. Analog Integrated Circuits and Signal Processing, 2007, 51, 101-109.	0.9	3
137	Design methodology to achieve good testability of VLSI chips: An industrial perspective. , 2008, , .		3
138	Development of power control module in RFID reader circuit: A Mentor Graphic simulation approach. , 2008, , .		3
139	Effects of exercise on the second derivative photoplethysmography(PPG) waveform. , 2010, , .		3
140	Photoplethysmography analysis of artery properties in patients presenting with established erectile dysfunction. , 2010, , .		3
141	A Low Voltage Charge Pump Circuit for RFID Tag EEPROM. , 2011, , .		3
142	Subway Train Braking System: A Fuzzy Based Hardware Approach. American Journal of Applied Sciences, 2011, 8, 740-747.	0.1	3
143	Analysis of area under curve of PPG and its relation with HbA1c. , 2012, , .		3
144	BPNN based MECG elimination from the abdominal signal to extract fetal signal for continuous fetal monitoring. Acta Scientiarum - Technology, 2013, 35, .	0.4	3

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145	Modeling and Estimating Platoon Arrival Profile in Coordinated Arterials Using Rakha-LWR Based VCPN Approach. , 2014, , .		3
146	Dual-mode receiver architecture for Bluetooth and IEEE 802.11b standards. , 2015, , .		3
147	Ensemble SVM classifiers based on PCA and LDA for IDS. , 2016, , .		3
148	Design of a low-power high-speed comparator in 0.13Î¼m CMOS. , 2016, , .		3
149	Computational Enhancement of All Possible Context Generation in Modified-SPEED Algorithm. , 2018, , .		3
150	Old Handwritten Music Symbol Recognition Using Directional Multi-Resolution Spatial Features. , 2018, , .		3
151	A fully integrated high IP1dB CMOS SPDT switch using stacked transistors for 2.4ÂGHz TDD transceiver applications. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	3
152	Modelâ€based control strategy for oversaturated traffic regimes based on the LWRâ€M traffic model. IET Intelligent Transport Systems, 2019, 13, 896-904.	1.7	3
153	A low power and low ripple CMOS high voltage generator for RFID transponder EEPROM. PLoS ONE, 2020, 15, e0225408.	1.1	3
154	Sequence Prediction Algorithm for the Diagnosis of Early Dementia Development. , 2021, , .		3
155	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
156	EEG signal analysis and characterization for the aid of disabled people. WIT Transactions on Biomedicine and Health, 2007, , .	0.0	3
157	High Degree of Testability Using Full Scan Chain and ATPG-An Industrial Perspective. Journal of Applied Sciences, 2009, 9, 2613-2618.	0.1	3
158	Integrated Vehicle Accident Detection and Location System. Telkomnika (Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.6	3
159	Design Architectures of Ring-Oscillator Based Injection-Locked Frequency Divider for Centimetre Wave RF Devices: An Overview. , 2021, , .		3
160	A 5Gbit/s CMOS Clock and Data Recovery Circuit. , 0, , .		2
161	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
162	Single Core Hardware Module to Implement Partial Encryption of Compressed Image. American Journal of Applied Sciences, 2011, 8, 566-573.	0.1	2

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163	Photoplethysmogram reflection index and aging. Proceedings of SPIE, 2011, , .	0.8	2
164	Differential ring oscillator based voltage control oscillator for readerless RFID transponder. , 2012, , .		2
165	Design of a low voltage charge pump circuit for RFID tag. , 2012, , .		2
166	Attitude Heading Reference System based vehicle stationary state detection. , 2014, , .		2
167	<b>Design of a low-power flash analog-to-digital converter chip for temperature sensors in 0.18 µm CMOS process. Acta Scientiarum - Technology, 2015, 37, 33.	0.4	2
168	Low power and high speed CMOS current comparators. , 2016, , .		2
169	CMOS Nanoswitch for RF Frontend. , 2019, , .		2
170	Design of a Low-Power 10-Bit DAC in 130 nm CMOS Technology. , 2019, , .		2
171	FPGA Based Precise and High Speed Current dq PI Controller for FOC PMSM Drive. Current Nanoscience, 2014, 10, 394-401.	0.7	2
172	Design of an Active Inductor-Based T/R Switch in 0.13 µm CMOS Technology for 2.4 GHz RF Transceivers. Transactions on Electrical and Electronic Materials, 2016, 17, 261-269.	1.0	2
173	Evaluation of Low Power and High Speed CMOS Current Comparators. Transactions on Electrical and Electronic Materials, 2016, 17, 317-328.	1.0	2
174	CMOS LNA for IoT RFID. , 2020, , .		2
175	Low power ROM employing dynamic threshold-voltage MOSFET (DTMOS) technique. , 2008, , .		1
176	The Advent of Industry Fit RFID Readers. , 2008, , .		1
177	CMOS 2.45GHz RF power amplifier for RFID reader. , 2009, , .		1
178	Development of CMOS UHF RFID modulator and demodulator using DTMOST techniques. , 2009, , .		1
179	RFID reader design: Diminutive dependency of antenna orientation exploiting revolving field. , 2010, , .		1
180	Design and simulation of a lumped element metal finger capacitor for RF-CMOS power splitters. , 2010, , .		1

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181	A SPATIOTEMPORAL MODEL OF HUMAN CIRCADIAN RHYTHM IN SMART HOMES. Applied Artificial Intelligence, 2011, 25, 788-798.	2.0	1
182	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
183	Circuit of an EEPROM sense amplifier in 0.18 µm CMOS technology. , 2011, , .		1
184	Design and analysis of a compact planar electromagnetic bandgap (EBG) structure. , 2012, , .		1
185	Shunt-feedback transimpedance amplifier in 0.18μm CMOS technology. , 2013, , .		1
186	Determining the arterial stiffness through contour analysis of a PPG and its association with HbA1c among diabetic patients in Malaysia - doi: 10.4025/actascitechnol.v36i1.17096. Acta Scientiarum - Technology, 2013, 36, .	0.4	1
187	A comparative study of the LWR-IM traffic model and shockwave analysis. , 2015, , .		1
188	HiCCE-128: An open hardware FMC module for High-Channel Count Electrophysiology. , 2016, , .		1
189	Resistorless self-biased curvature compensated sub-1V CMOS bandgap reference. , 2016, , .		1
190	Low power consumption techniques of quartz crystal oscillator. , 2016, , .		1
191	Capacitive electromyography biosensor with wearable material as an insulator. , 2016, , .		1
192	Design of a low power static frequency divider. , 2016, , .		1
193	Performance analysis of wavelength specific transmission in turbulent medium for free space optical communication systems. , 2016, , .		1
194	Design and Analysis of CMOS Linear Feedback Shift Registers for Low Power Application. Applied Mechanics and Materials, 0, 833, 111-118.	0.2	1
195	Application and validation of the LWR-IM traffic model in class II urban arterial. , 2016, , .		1
196	Development and validation of the LWR-IM traffic simulator. , 2017, , .		1
197	DIGITAL CONTROLLED OSCILLATOR (DCO) FOR ALL DIGITAL PHASE-LOCKED LOOP (ADPLL) â€" A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2019, 82, .	0.3	1
198	Optical-Mechanical Configuration of Imaging Operation for Endoscopic Scanner: A Review. IEEE Access, 2021, , 1-1.	2.6	1

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199	Fabrication of a carbon nanotube/tungsten disulfide visible spectrum photodetector. Applied Optics, 2021, 60, 2839.	0.9	1
200	Wildlife net-gamekeepers using sensor network. , 2007, , .		1
201	Hardware Approach of ANN Based Iris Recognition for Real-time Biometric Identification. Journal of Applied Sciences, 2011, 11, 2984-2992.	0.1	1
202	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
203	The simultaneous logic and IDDQ testing of CMOS ICs with mixed-mode testing facility for sequential circuits. , 0, , .		0
204	The FPGA approach in the design and development of an automated rail transit system controller. , 2004, , .		0
205	A VLSI Design Framework with Freeware CAD Tools. , 2006, , .		0
206	Design of an integrated demodulator for a 13.56 MHz RFID reader. , 2009, , .		0
207	A Low Ripple Low Power CMOS Demodulator for 13.56 MHz RFID Reader. Frequenz, 2010, 64, 153-155.	0.6	0
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