Yuan Wen Hau

List of Publications by Year
in descending order

33 papers	**152** citations

1684188

5
h-index

1372567

10
g-index

33 all docs	**33** docs citations

33
times ranked

147
citing authors

#	Article	IF	Citations
1	A review of breast boundary and pectoral muscle segmentation methods in computer-aided detection/diagnosis of breast mammography. Artificial Intelligence Review, 2020, 53, 1873-1918.	15.7	34
2	Artificial intelligence classification methods of atrial fibrillation with implementation technology. Computer Assisted Surgery, 2016, 21, 154-161.	1.3	14
3	New Vertical Handover Method to Optimize Utilization of Wireless Local Area Network in High-Speed Environment. PLoS ONE, 2016, 11, e0165888.	2.5	10
4	A Novel and Reliable Framework of Patient Deterioration Prediction in Intensive Care Unit Based on Long Short-Term Memory-Recurrent Neural Network. IEEE Access, 2021, 9, 3894-3918.	4.2	10
5	Hardware/software partitioning of embedded System-on-Chip applications. , 2015, , .		9
6	FPGA design and implementation of Electrocardiogram biomedical embedded system. , 2014, , .		8
7	Comparative study of electrocardiogram QRS complex detection algorithm on Field Programmable Gate Array platform. , 2014, , .		6
8	Mini Home-Based Vital Sign Monitor with Android Mobile Application (myVitalGear). , 2018, , .		6
9	Android-based Mobile Application for Home-based Electrocardiogram Monitoring Device with Google Technology and Bluetooth Wireless Communication. , 2018, , .		6
10	USER-CENTRIC BASED VERTICAL HANDOVER DECISION ALGORITHM FOR TELECARDIOLOGY APPLICATION IN HETEROGENEOUS NETWORKS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	6
11	Embedded system-on-chip design of atrial fibrillation classifier. , 2017, , .		5
12	The Study and Comparison between Various Digital Filters for ECG De-noising. , 2018, , .		5
13	Use of learning approaches to predict clinical deterioration in patients based on various variables: a review of the literature. Artificial Intelligence Review, 2022, 55, 1055-1084.	15.7	5
14	Network partitioning and GA heuristic crossover for NoC application mapping. , 2013, , .		4
15	Feasible transition path generation for EFSM-based system testing. , 2013, , .		4
16	Investigation of Attention Deficit/Hyperactivity Disorder Assessment Using Electro Interstitial Scan Based on Chronoamperometry Technique. IEEE Access, 2019, 7, 144679-144690.	4.2	4
17	Hardware transactional memory architecture with adaptive version management for multi-processor FPGA platforms. Journal of Systems Architecture, 2017, 73, 42-52.	4.3	3
18	A tightly coupled finite field arithmetic hardware in an FPGA-based embedded processor core for elliptic curve cryptography. International Journal of Information and Communication Technology, 2009, 2, 60.	0.1	2

#	Article	IF	Citations
19	Packet logging mechanism for adaptive online fault detection on Network-on-Chip. , 2014, , .		2
20	SoC-based design of arrhythmia detector. , 2014, , .		2
21	EFFICIENT QRS COMPLEX DETECTION ALGORITHM IMPLEMENTATION ON SOC-BASED EMBEDDED SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	2
22	Qualitative and Quantitative Performance Comparison of ECG Noise Reduction and Signal Enhancement Method based on Various Digital Filter Designs and Discrete Wavelet Transform. International Journal of Computing and Digital Systems, 2020, 9, 553-565.	0.7	2
23	Hardware transactional memory on multi-processor FPGA platform. , 2014, , .		1
24	AUTONOMOUS NETWORK SELECTION STRATEGY FOR TELECARDIOLOGY APPLICATION IN HETEROGENEOUS WIRELESS NETWORKS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
25	Adaptive Configurable Transactional Memory for Multi-processor FPGA Platforms. , 2015, , .		1
26	A Network-on-Chip simulation framework for homogeneous Multi-Processor System-on-Chip. , 2011, , .		0
27	On-board touch screen graphical interface design for SoC-based arrhythmia detector. , 2014, , .		0
28	Development of platform-independent web-based telecardiology application for pilot case study. , 2014, , .		0
29	Remote dynamically reconfigurable platform using NetFPGA. , 2014, , .		0
30	PVDF sensor design and FPGA implementation of ultrasound power measurement. , 2014, , .		0
31	SOC-BASED BIOMEDICAL EMBEDDED SYSTEM DESIGN OF ARRHYTHMIA DETECTOR. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
32	Robust arrhythmia classifier using wavelet transform and support vector machine classification. , 2017, , .		0
33	PLATFORM INDEPENDENT WEB-BASED TELECARDIOLOGY FOR CONNECTED HEART CARE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0