

VElamaran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

393
citations

9
h-index

18
g-index

73
ext. papers

556
ext. citations

1.8
avg, IF

4.01
L-index

#	Paper	IF	Citations
53	Reconfigurable Architectures with High-Frequency Noise Suppression for Wearable ECG Devices.. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 1552641	3.7	3
52	Comparative Study of Skin Lesion Segmentation and Feature Extraction in Different Color Spaces. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 303-312	0.2	
51	Generation of Random Binary Sequence Using Adaptive Row/Column Approach and Synthetic Color Image. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021 , 103-113	0.4	1
50	Investigation on Centralized and Decentralized Fuzzy Inference Systems for Intelligent Light Illumination in Vehicle Headlights. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 1303-1314	0.2	
49	A Pedagogical Approach on Digital Signal Processing for ECG Signals. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 2865-2874	0.2	1
48	High-Frequency Noise Removal on Corrupted ECG Signal Using Exponential Averagers. <i>Communications in Computer and Information Science</i> , 2021 , 43-54	0.3	1
47	A Pedagogical Approach on Computer Networking in Practice Using a Smartphone. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 101-113	0.4	
46	Baseline Wandering Noise Removal Using High-Speed IIR Filters with an FPGA Implementation. <i>Communications in Computer and Information Science</i> , 2021 , 55-65	0.3	1
45	Analysis of Energy Concentration of the Speech, EEG, and ECG Signals in Healthcare Applications A Survey. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 49-53	1.2	5
44	Revisiting FPGA Implementation of Digital Filters and Exploring Approximate Computing on Biomedical Signals. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 2000-2004	1.2	2
43	Brain Tumour Segmentation and Measurement Based on Threshold and Support Vector Machine Classifier. <i>Research Journal of Pharmacy and Technology</i> , 2020 , 13, 2573	1.7	2
42	Advanced Digital Signal Processing Techniques on the Classification of the Heart Sound Signals. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 2010-2015	1.2	2
41	A Handy Approach for Teaching and Learning Computer Networks using Wireshark 2020 ,		2
40	Automated diagnosis of epilepsy from EEG signals using ensemble learning approach. <i>Pattern Recognition Letters</i> , 2020 , 139, 174-181	4.7	15
39	Revisiting computer networking protocols by wireless sniffing on brain signal/image portals. <i>Neural Computing and Applications</i> , 2020 , 32, 11097-11109	4.8	8
38	Revisiting signal processing with spectrogram analysis on EEG, ECG and speech signals. <i>Future Generation Computer Systems</i> , 2019 , 98, 227-232	7.5	12
37	Automated detection of cancerous genomic sequences using genomic signal processing and machine learning. <i>Future Generation Computer Systems</i> , 2019 , 98, 233-237	7.5	4

36	The Importance of Dithering Technique Revisited With Biomedical Images A Survey. <i>IEEE Access</i> , 2019 , 7, 3627-3634	3.5	1
35	Spectral and SNR improvement analysis of normal and abnormal heart sound signals using different windows. <i>Future Generation Computer Systems</i> , 2019 , 92, 438-443	7.5	2
34	Fault-tolerant medical imaging system with quintuple modular redundancy (QMR) configurations. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 1	3.7	25
33	Gait and tremor investigation using machine learning techniques for the diagnosis of Parkinson disease. <i>Future Generation Computer Systems</i> , 2018 , 83, 366-373	7.5	116
32	Spectral Fault Recovery Analysis Revisited With Normal and Abnormal Heart Sound Signals. <i>IEEE Access</i> , 2018 , 6, 62874-62879	3.5	19
31	Minimal Test Coverage of SSFs for the Majority Voters of TMR Configuration 2018 ,		1
30	Fault Tolerant Carry Save Adders - A NMR Configuration Approach 2018 ,		1
29	Network Vulnerability Analysis on Brain Signal/Image Databases Using Nmap and Wireshark Tools. <i>IEEE Access</i> , 2018 , 6, 57144-57151	3.5	23
28	Exploring DNS, HTTP, and ICMP Response Time Computations on Brain Signal/Image Databases using a Packet Sniffer Tool. <i>IEEE Access</i> , 2018 , 6, 59672-59678	3.5	16
27	Clinical Decision Support System for Alcoholism Detection Using the Analysis of EEG Signals. <i>IEEE Access</i> , 2018 , 6, 61457-61461	3.5	18
26	Fault-tolerant digital filters on FPGA using hardware redundancy techniques 2017 ,		3
25	Area, delay and power comparison of fault-tolerant systems with TMR using different voter circuits. <i>International Journal of Signal and Imaging Systems Engineering</i> , 2017 , 10, 63	3.5	5
24	A Novel Encryption Method with Super Resolution Imaging Using DWT. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 839-849	0.4	
23	Wavelet-based energy features for diagnosis of melanoma from dermoscopic images. <i>International Journal of Biomedical Engineering and Technology</i> , 2016 , 20, 243	1.3	8
22	A Novel Approach for Contrast Enhancement using Image Classification and Subdivision based Histogram Equalization. <i>Indian Journal of Science and Technology</i> , 2015 , 8, 1-9	1	1
21	A decision based switching median filter for restoration of images corrupted by high density impulse noise 2015 ,		1
20	A Case Study of Impulse Noise Reduction Using Morphological Image Processing with Structuring Elements. <i>Asian Journal of Scientific Research</i> , 2015 , 8, 291-303	0.3	3
19	CMOS VLSI Design of Low Power SRAM Cell Architectures with New TMR: A Layout Approach. <i>Asian Journal of Scientific Research</i> , 2015 , 8, 466-477	0.3	5

18	Low Power Digital Barrel Shifter Datapath Circuits Using Microwind Layout Editor with High Reliability. <i>Asian Journal of Scientific Research</i> , 2015 , 8, 478-489	0.3	7
17	Spatial and spectral digital watermarking with robustness evaluation 2014 ,		2
16	VLSI design of low power SRAM architectures for FPGAs 2014 ,		7
15	An approach to design a matrix inversion hardware module using FPGA 2014 ,		3
14	A tutorial review on discrete fourier transform with data compression application 2014 ,		2
13	Image processing algorithms for gesture recognition using MATLAB 2014 ,		9
12	Low Energy, Low Power Adder Logic Cells: A CMOS VLSI Implementation. <i>Asian Journal of Scientific Research</i> , 2014 , 7, 248-255	0.3	5
11	A Novel Low Power Adder-Subtractor using Efficient XOR Gates. <i>Journal of Applied Sciences</i> , 2014 , 14, 1623-1627	0.3	1
10	FPGA Implementation of Audio Enhancement using Xilinx System Generator. <i>Journal of Applied Sciences</i> , 2014 , 14, 1972-1977	0.3	3
9	CMOS VLSI Design of Low Power Comparator Logic Circuits. <i>Asian Journal of Scientific Research</i> , 2014 , 7, 238-247	0.3	2
8	CIC for decimation and interpolation using Xilinx system generator 2013 ,		5
7	Horse Communication against Harsh Attack: A Stego Ride. <i>Research Journal of Information Technology</i> , 2013 , 5, 263-276		2
6	Comparison of Wavelet Filters in Hybrid Domain Watermarking. <i>Research Journal of Information Technology</i> , 2013 , 5, 393-401		3
5	FPGA Implementation of Spatial Image Filters using Xilinx System Generator. <i>Procedia Engineering</i> , 2012 , 38, 2244-2249		13
4	Low power prescaler implementation in CMOS VLSI 2012 ,		1
3	Comparison of DCT and wavelets in image coding 2012 ,		7
2	FPGA Implementation of Audio Enhancement Using Adaptive LMS Filters. <i>Journal of Artificial Intelligence</i> , 2012 , 5, 221-226		7
1	NMR configurations with novel majority voter circuits to mask multiple module faults. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 1	3.7	

