

Scopus Publications - 2021

Sl.No	Paper Title	Year	Citations	Type	ISSN
1	VSSC Net: Vessel Specific Skip chain Convolutional Network for blood vessel segmentation, Samuel P.M., Veeramalai T., Computer Methods and Programs in Biomedicine, Vol:198, DOI: 10.1016/j.cmpb.2020.105769	2021	59	Article	1692607
2	SIW Resonator Based Duplex Filtenna, Kumar A., Althuwayb A.A., IEEE Antennas and Wireless Propagation Letters, DOI: 10.1109/LAWP.2021.3118566	2021	44	Article	15361225
3	Moving Vehicle Detection and Classification Using Gaussian Mixture Model and Ensemble Deep Learning Technique, Jagannathan P., Rajkumar S., Frnda J., Divakarachari P.B., Subramani P., Wireless Communications and Mobile Computing, Vol:2021, DOI: 10.1155/2021/5590894	2021	37	Article	15308669
4	A review on resource allocation techniques in D2D communication for 5G and B5G technology, Jayakumar S., Nandakumar S., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-020-00962-x	2021	37	Article	19366442
5	Flexible, Highly Sensitive Paper-Based Screen Printed MWCNT/PDMS Composite Breath Sensor for Human Respiration Monitoring, Thiyagarajan K., Rajini G., Maji D., IEEE Sensors Journal, DOI: 10.1109/JSEN.2020.3040995	2021	34	Article	
6	Noise Reduction in ECG Signal Using Combined Ensemble Empirical Mode Decomposition Method with Stationary Wavelet Transform, Dwivedi A.K., Ranjan H., Menon A., Periasamy P., Circuits, Systems, and Signal Processing, DOI: 10.1007/s00034-020-01498-4	2021	27	Article	
7	Colour image encryption based on customized neural network and DNA encoding, Patel S., Thanikaiselvan V., Pelusi D., Nagaraj B., Arunkumar R., Amirtharajan R., Neural Computing and Applications, DOI: 10.1007/s00521-021-06096-2	2021	26	Article	9410643
8	Implementation of Hybrid Blockchain in a Pre-owned Electric Vehicle Supply Chain, Subramanian G., Thampy A.S., IEEE Access, DOI: 10.1109/ACCESS.2021.3084942	2021	25	Article	21693536
9	A multi-layer S/X-band shared aperture antenna array for airborne synthetic aperture radar applications, Kothapudi V.K., Kumar V., International Journal of RF and Microwave Computer-Aided Engineering, DOI: 10.1002/mmce.22720	2021	22	Article	10964290
10	Electrochemical supercapacitor application of CoFe ₂ O ₄ nanoparticles decorated over graphitic carbon nitride, Rani B., Nayak A.K., Sahu N.K., Diamond and Related Materials, DOI: 10.1016/j.diamond.2021.108671	2021	22	Article	9259635
11	Hybrid half-mode SIW cavity-backed diplex antenna for on-body transceiver applications, Kumar A., Imaculate Rosaline S., Applied Physics A: Materials Science and Processing, Vol:127, Issue: 11, DOI: 10.1007/s00339-021-04978-9	2021	21	Article	9478396
12	Crypto Pharmacy - Digital Medicine: A Mobile Application Integrated with Hybrid Blockchain to Tackle the Issues in Pharma Supply Chain, Subramanian G., Sreekantanthampy A., Valbosco Ugwuoke N., Ramnani B., IEEE Open Journal of the Computer Society, Vol:2, Pg.No:(26-37), DOI: 10.1109/OJCS.2021.3049330	2021	20	Article	26441268
13	Multiscale CNN with compound fusions for false positive reduction in lung nodule detection, Mittapalli P.S., V T., Artificial Intelligence in Medicine, Vol:113, DOI: 10.1016/j.artmed.2021.102017	2021	20	Article	9333657
14	A compact wide-bandwidth Antipodal Vivaldi Antenna array with suppressed mutual coupling for 5G mm-wave applications, Ramanujam P., Ponnusamy M., Ramanujam K., AEU - International Journal of Electronics and Communications, Vol:133, DOI: 10.1016/j.aeue.2021.153668	2021	19	Article	14348411
15	Concentric circular compound reconfigurable microstrip patch antenna for wireless applications, Muthuvel S.K., Shaw M., Choukiker Y.K., AEU - International Journal of Electronics and Communications, Vol:141, DOI: 10.1016/j.aeue.2021.153960	2021	19	Article	14348411
16	Multi-Objective Modified Grey Wolf Optimization Algorithm for Efficient Spectrum Sensing in the Cognitive Radio Network, Eappen G., Shankar T., Arabian Journal for Science and Engineering, DOI: 10.1007/s13369-020-05084-3	2021	19	Article	
17	Hybrid-fed shared aperture antenna array for X/K-band airborne synthetic aperture radar applications, Kothapudi V.K., Kumar V., IET Microwaves, Antennas and Propagation, Vol:15, Issue: 1, Pg.No:(93-102), DOI: 10.1049/mia2.12024	2021	18	Article	17518725
18	An integrated feature frame work for automated segmentation of COVID-19 infection from lung CT images, Selvaraj D., Venkatesan A., Mahesh V.G.V., Joseph Raj A.N., International Journal of Imaging Systems and Technology, Vol:31, Issue: 1, Pg.No:(28-46), DOI: 10.1002/ima.22525	2021	18	Article	8999457

19	Estimation of undetected symptomatic and asymptomatic cases of COVID-19 infection and prediction of its spread in the USA, Mahajan A., Solanki R., Sivadas N., Journal of Medical Virology, DOI: 10.1002/jmv.26897	2021	17	Article	1466615
20	Deep learning based modulation classification for 5G and beyond wireless systems, Clement J.C., Indira N., Vijayakumar P., Nandakumar R., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-020-01003-3	2021	17	Article	19366442
21	Structural health monitoring of railway tracks using IoT-based multi-robot system, Iyer S., Velmurugan T., Gandomi A.H., Noor Mohammed V., Saravanan K., Nandakumar S., Neural Computing and Applications, DOI: 10.1007/s00521-020-05366-9	2021	16	Article	9410643
22	FCM clustering and FLS based CH selection to enhance sustainability of wireless sensor networks for environmental monitoring applications, Rajput A., Kumaravelu V.B., Journal of Ambient Intelligence and Humanized Computing, DOI: 10.1007/s12652-020-02159-9	2021	15	Article	18685137
23	Optical quantum technologies with hexagonal boron nitride single photon sources, Shaik A.B.D.-A.-J.-W.-I., Palla P., Scientific Reports, Vol:11, Issue: 1, DOI: 10.1038/s41598-021-90804-4	2021	15	Article	20452322
24	Cellular traffic prediction on blockchain-based mobile networks using LSTM model in 4G LTE network, Kurri V., Raja V., Prakasam P., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-021-01085-7	2021	15	Article	19366442
25	An integrative approach for secure data sharing in vehicular edge computing using Blockchain, Gawas M., Patil H., Govekar S.S., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-021-01107-4	2021	14	Article	19366442
26	Implementation of Blockchain Consortium to Prioritize Diabetes Patients' Healthcare in Pandemic Situations, Subramanian G., Thampy A.S., IEEE Access, DOI: 10.1109/ACCESS.2021.3132302	2021	14	Article	21693536
27	Detection of the triple riding and speed violation on two-wheelers using deep learning algorithms, Mallela N.C., Volety R., R S.P., R. K N., Multimedia Tools and Applications, DOI: 10.1007/s11042-020-10126-x	2021	14	Article	13807501
28	An Enhanced Energy Efficient Lightweight Cryptography Method for various IoT devices, P. P., M. M., K.P. S., Sayeed M.S., ICT Express, DOI: 10.1016/j.icte.2021.03.007	2021	13	Article	24059595
29	A Computationally Efficient Correlational Neural Network for Automated Prediction of Chronic Kidney Disease, Bhaskar N., Suchetha M., IRBM, DOI: 10.1016/j.irbm.2020.07.002	2021	13	Article	19590318
30	Static and dynamic functional connectivity supports the configuration of brain networks associated with creative cognition, Patil A.U., Ghate S., Madathil D., Tzeng O.J.L., Huang H.-W., Huang C.-M., Scientific Reports, Vol:11, Issue: 1, DOI: 10.1038/s41598-020-80293-2	2021	12	Article	20452322
31	Experimental analysis of SnO2 coated LMR based fiber optic sensor for ethanol detection, Prasanth A., Meher S.R., Alex Z.C., Optical Fiber Technology, Vol:65, DOI: 10.1016/j.yofte.2021.102618	2021	11	Article	10685200
32	Healthy Aging Alters the Functional Connectivity of Creative Cognition in the Default Mode Network and Cerebellar Network, Patil A.U., Madathil D., Huang C.-M., Frontiers in Aging Neuroscience, Vol:13, DOI: 10.3389/fnagi.2021.607988	2021	11	Article	16634365
33	Throughput performance of cooperative spectrum sensing network with improved energy detectors and SC diversity over fading channels, Nallagonda S., Bhowmick A., Prasad B., Wireless Networks, Vol:27, Issue: 6, Pg.No:(4039-4050), DOI: 10.1007/s11276-021-02685-0	2021	11	Article	10220038
34	Compressive complex wave retrieval from a single off-axis digital Fresnel hologram for quantitative phase imaging and microlens characterization, Lokesh Reddy B., Ramachandran P., Nelleri A., Optics Communications, Vol:478, DOI: 10.1016/j.optcom.2020.126371	2021	11	Article	304018
35	A novel order reduction method for linear dynamic systems and its application for designing of PID and lead/lag compensators, Prajapati A.K., Prasad R., Transactions of the Institute of Measurement and Control, DOI: 10.1177/0142331220974173	2021	10	Article	1423312
36	Dynamic Sectorization and parallel processing for device-to-device (D2D) resource allocation in 5G and B5G cellular network, Vali Mohamad N.M., Ambastha P., Gautam S., Jain R., Subramaniam H., Muthukaruppan L., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-020-00949-8	2021	10	Article	19366442

37	Comparative analysis of integer wavelet transforms in reversible data hiding using threshold based histogram modification, Shaik A., Thanikaiselvan V., Journal of King Saud University - Computer and Information Sciences, DOI: 10.1016/j.jksuci.2018.06.001	2021	10	Article	13191578
38	Fuzzy decision trees embedded with evolutionary fuzzy clustering for locating users using wireless signal strength in an indoor environment, Narayanan S.J., Baby C.J., Perumal B., Bhatt R.B., Cheng X., Ghalib M.R., Shankar A., International Journal of Intelligent Systems, DOI: 10.1002/int.22459	2021	10	Article	8848173
39	Hybrid Beamforming for Massive MIMO Using Rectangular Antenna Array Model in 5G Wireless Networks, Priya T.S., Manish K., Prakasam P., Wireless Personal Communications, DOI: 10.1007/s11277-021-08455-7	2021	10	Article	9296212
40	A Miniaturized Angularly Stable FSS for Shielding GSM 0.9, 1.8, and Wi-Fi 2.4 GHz Bands, Kumar T.R.S., Vinoy K.J., IEEE Transactions on Electromagnetic Compatibility, DOI: 10.1109/TEM.2021.3063250	2021	9	Article	189375
41	A CPW fed two and four element antenna with reduced mutual coupling between the antenna elements for wireless applications, Saadh A.W.M., Ramaswamy P., Ali T., Applied Physics A: Materials Science and Processing, Vol:127, Issue: 2, DOI: 10.1007/s00339-020-04224-8	2021	9	Article	9478396
42	Implementation of all-optical ripple down counter using the micro-ring resonator structures, Kumar A., Behera B., Kumar M., Jindal S.K., Srivastava M., Applied Physics B: Lasers and Optics, Vol:127, Issue: 2, DOI: 10.1007/s00340-020-07555-9	2021	9	Article	9462171
43	A hadoop based framework integrating machine learning classifiers for anomaly detection in the internet of things, Thaseen I.S., Mohanraj V., Ramachandran S., Sanapala K., Yeo S.-S., Electronics (Switzerland), Vol:10, Issue: 16, DOI: 10.3390/electronics10161955	2021	8	Article	20799292
44	Analysis of energy-efficient cooperative spectrum sensing with improved energy detectors and multiple antennas over Nakagami-q/n fading channels, Nallagonda S., Mamidi R., Bhowmick A., International Journal of Communication Systems, DOI: 10.1002/dac.4731	2021	8	Article	10745351
45	Design of an all optical encoder/decoder using cross-layered 2D PCRR, D S., T S., Optik, Vol:231, DOI: 10.1016/j.ijleo.2021.166387	2021	8	Article	304026
46	Application specific thresholding scheme for handover reduction in 5G Ultra Dense Networks, Gaur G., Velmurugan T., Prakasam P., Nandakumar S., Telecommunication Systems, DOI: 10.1007/s11235-020-00701-w	2021	8	Article	10184864
47	Low power area optimized and high speed carry select adder using optimized half sum and carry generation unit for FIR filter, Sakthivel R., Ragunath G., Journal of Ambient Intelligence and Humanized Computing, DOI: 10.1007/s12652-020-02062-3	2021	7	Article	18685137
48	Fabrication, characterization, numerical simulation and compact modeling of P3HT based organic thin film transistors, Dadhich S., Dwivedi A.D.D., Singh A.K., Journal of Semiconductors, Vol:42, Issue: 7, DOI: 10.1088/1674-4926/42/7/074102	2021	7	Article	16744926
49	Fuzzy Logic-Based Handover Requirement Analysis and Access Network Selection for Device-to-Device Communication, Subramani M., Kumaravelu V.B., Murugadass A., Journal of Circuits, Systems and Computers, DOI: 10.1142/S0218126621500092	2021	7	Article	2181266
50	The fusion of MRI and CT medical images using variational mode decomposition, Polinati S., Bavirisetti D.P., Rajesh K.N.V.P.S., Naik G.R., Dhuli R., Applied Sciences (Switzerland), Vol:11, Issue: 22, DOI: 10.3390/app112210975	2021	7	Article	20763417
51	A comparative analysis of LSTM and ARIMA for enhanced real-time air pollutant levels forecasting using sensor fusion with ground station data, Mani G., Volety R., Cogent Engineering, Vol:8, Issue: 1, DOI: 10.1080/23311916.2021.1936886	2021	7	Article	23311916
52	Radial basis function-based node localization for unmanned aerial vehicle-assisted 5G wireless sensor networks, Annepu V., Rajesh A., Bagadi K., Neural Computing and Applications, DOI: 10.1007/s00521-021-05835-9	2021	6	Article	9410643
53	Design of Imprecise Multipliers by Using Approximate Technique for Error Resilient Applications, Priyadarshni M., Kumaravel S., Journal of Circuits, Systems and Computers, DOI: 10.1142/S0218126621501140	2021	6	Article	2181266
54	An error efficient and low complexity approximate multi-bit adder for image processing applications, Priyadarshni M., Raj Gupta A., Nithish Kumar V., Kumaravel S., International Journal of Circuit Theory and Applications, DOI: 10.1002/cta.3074	2021	6	Article	989886

55	Performance enhanced folded multiband MIMO antenna for mobile terminals, Subbaraj S., Kanagasabai M., Sambandam P., Gulam Nabi Alsath M., Palaniswamy S.K., Kingsly S., AEU - International Journal of Electronics and Communications, Vol:137, DOI: 10.1016/j.aeue.2021.153750	2021	6	Article	14348411
56	P2P mobility management for seamless handover using D2D communication in B5G wireless technology, Singh S., Kedia D., Rastogi N., Velmurugan T., Prakasam P., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-021-01123-4	2021	6	Article	19366442
57	Multilayered convolutional neural network-based auto-CODEC for audio signal denoising using mel-frequency cepstral coefficients, Raj S., Prakasam P., Gupta S., Neural Computing and Applications, DOI: 10.1007/s00521-021-05782-5	2021	5	Article	9410643
58	Implementation of all-optical 1 4 memory register unit using the micro-ring resonator structures, Kumar A., Kumar M., Jindal S.K., Raghuwanshi S.K., Choudhary R., Optical and Quantum Electronics, Vol:53, Issue: 9, DOI: 10.1007/s11082-021-03131-3	2021	5	Article	3068919
59	Gait based Parkinson's disease diagnosis and severity rating using multi-class support vector machine, Vidya B., P S., Applied Soft Computing, Vol:113, DOI: 10.1016/j.asoc.2021.107939	2021	5	Article	15684946
60	Bandwidth enhancement of low-profile slot antennas using theory of characteristic modes, Sumithra P., Kannadassan D., AEU - International Journal of Electronics and Communications, Vol:138, DOI: 10.1016/j.aeue.2021.153868	2021	5	Article	14348411
61	Two-Phase Access Network Selection Scheme Based on Weighted Sum and Game Theoretical Approaches for Vehicular Ad Hoc Networks, Evangeline C.S., Kumaravelu V.B., Journal of Circuits, Systems and Computers, DOI: 10.1142/S0218126621502066	2021	5	Article	2181266
62	Smart driver monitoring system, Shaily S., Krishnan S., Natarajan S., Periyasamy S., Multimedia Tools and Applications, DOI: 10.1007/s11042-021-10877-1	2021	5	Article	13807501
63	Ambiguity Function Analysis for Orthogonal-LFM Waveform Based Multistatic Radar, Dash D., Jayaraman V., IEEE Sensors Letters, Vol:5, Issue: 12, DOI: 10.1109/LENS.2021.3129081	2021	5	Article	24751472
64	Advanced squirrel algorithm-trained neural network for efficient spectrum sensing in cognitive radio-based air traffic control application, Eappen G., Shankar T., Nilavalan R., IET Communications, DOI: 10.1049/cmu2.12111	2021	5	Article	17518628
65	Synthesis, characterization and immobilization of bilirubin oxidase nanoparticles (BOxNPs) with enhanced activity: Application for serum bilirubin determination in jaundice patients, Rawal R., Kharangarh P.R., Dawra S., Bhardwaj P., Enzyme and Microbial Technology, Vol:143, DOI: 10.1016/j.enzmictec.2020.109716	2021	5	Article	1410229
66	Clad-modified fiber optic sensor utilizing CdS nanoflower as cladding for the detection of ethanol, Narasimman S., Balakrishnan L., Alex Z.C., Journal of Materials Science: Materials in Electronics, DOI: 10.1007/s10854-021-06843-0	2021	5	Article	9574522
67	An electrically small inverted L-shaped asymmetric coplanar strip-fed antenna with splitting resonator for multiband applications, Rengasamy R., Rajesh Kumar V., Phani Kumar K.V., International Journal of Communication Systems, DOI: 10.1002/dac.4983	2021	4	Article	10745351
68	Design and Modeling of Wideband Planar Antennas using Characteristics Modes, Sumithra P., Kannadassan D., IEEE Transactions on Antennas and Propagation, DOI: 10.1109/TAP.2021.3090805	2021	4	Article	
69	Tuning the electrical parameters of p-niox-based thin film transistors (Tfts) by pulsed laser irradiation, Manojreddy P., Itapu S., Ravali J.K., Sakkarai S., Condensed Matter, Vol:6, Issue: 2, DOI: 10.3390/condmat6020021	2021	4	Article	24103896
70	Automated detection system for texture feature based classification on different image datasets using S-transform, Kesav O.H., Rajini G.K., International Journal of Speech Technology, DOI: 10.1007/s10772-020-09774-z	2021	4	Article	13812416
71	Analysis of multi-pulse position modulation free space optical communication system employing wavelength and time diversity over Malaga turbulence channel, Magidi S., Jabeena A., Scientific African, Vol:12, DOI: 10.1016/j.sciaf.2021.e00777	2021	4	Article	24682276
72	Design of a terahertz chemical sensor using a dual steering-wheel microstructured photonic crystal fiber, Ramachandran A., Babu P.R., Senthilnathan K., Photonics and Nanostructures - Fundamentals and Applications, Vol:46, DOI: 10.1016/j.photonics.2021.100952	2021	4	Article	15694410

73	A novel asymmetrical interdigital coupled line-based penta-band bandpass filter design with enhanced selectivity employing square complementary split ring resonator, Ramanujam P., Ramanujam K., Ponnusamy M., International Journal of RF and Microwave Computer-Aided Engineering, DOI: 10.1002/mmce.22888	2021	4	Article	10964290
74	N-type doping feasibility of Cu2O with In and Al for cost-effective photovoltaics: An ab initio investigation, Meher S.R., Lakshmanan A., Gupta D., Alex Z.C., Materials Today Communications, Vol:26, DOI: 10.1016/j.mtcomm.2021.102015	2021	4	Article	23524928
75	Impact of Device Geometrical Parameter Variation on RF Stability of SELBOX Inverted-T Junctionless FINFET, Raju V., PankajNelapati R., Sivasankaran K., Silicon	2021	4	Article	
76	Age-related and individual variations in altered prefrontal and cerebellar connectivity associated with the tendency of developing internet addiction, Patil A.U., Madathil D., Huang C.-M., Human Brain Mapping, DOI: 10.1002/hbm.25562	2021	4	Article	10659471
77	Optimal Fresnelet sparsification for compressive complex wave retrieval from an off-axis digital Fresnel hologram, Reddy B.L., Ramachandran P., Nelleri A., Optical Engineering, Vol:60, Issue: 7, DOI: 10.1117/1.OE.60.7.073102	2021	4	Article	913286
78	Analysis of frequency reconfigurable microstrip patch antenna with unidirectional radiation pattern for IRNSS band, Shaw M., Choukiker Y.K., AEU - International Journal of Electronics and Communications, Vol:141, DOI: 10.1016/j.aeue.2021.153962	2021	3	Article	14348411
79	Vertical GaN Reverse Trench-Gate Power MOSFET and DC-DC Converter, Jaiswal N.K., Ramakrishnan V.N., Transactions on Electrical and Electronic Materials, DOI: 10.1007/s42341-020-00248-2	2021	3	Article	12297607
80	Switchable Resonator Based Reconfigurable Bandpass / Bandstop Microstrip Filter, Kingsly S., Kanagasabai M., Alsath M.G.N., Subbaraj S., Palaniswamy S.K., Bhuvanewari B., International Journal of Electronics, DOI: 10.1080/00207217.2021.1908613	2021	3	Article	207217
81	Investigation of defective hybrid cladding with silicon nanocrystal PCF for supercontinuum generation, Rajesh A., Chandru S., Robinson S., Laser Physics, Vol:31, Issue: 12, DOI: 10.1088/1555-6611/ac32da	2021	3	Article	
82	Design and analysis of a MEMS pressure sensor with a bossed membrane and ancillary bi-functional frog arm structure for low pressure measurement, Sahay R., Jindal S.K., Journal of Computational Electronics, DOI: 10.1007/s10825-021-01660-4	2021	3	Article	15698025
83	Effects of visual referencing on backward and forward treadmill walking in VR environments, Soangra R., Rajagopal S., Displays, Vol:66, DOI: 10.1016/j.displa.2020.101975	2021	3	Article	1419382
84	Experimental Validation of an IoT Based Device Selective Power Cut mechanism Using Power Line Carrier Communication for Smart Management of Electricity, Kumar K., Saraswat S., Jindal S.K., Kumar A., Raghuwanshi S.K., Journal of Electrical Engineering and Technology, DOI: 10.1007/s42835-020-00568-6	2021	3	Article	19750102
85	Design of Large Scale MU-MIMO System with Joint Precoding and Detection Schemes for Beyond 5G Wireless Networks, Challa N.R., Bagadi K., Wireless Personal Communications, DOI: 10.1007/s11277-021-08688-6	2021	3	Article	9296212
86	A comprehensive density-of-states model for oxide semiconductor thin film transistors, Rajshekar K., Kannadassan D., Journal of Computational Electronics, DOI: 10.1007/s10825-021-01783-8	2021	3	Article	15698025
87	Robust dual-tone multi-frequency tone detection using k-nearest neighbour classifier for a noisy environment, Maity A., Prakasam P., Bhargava S., Applied Computing and Informatics, DOI: 10.1108/ACI-10-2020-0105	2021	3	Article	22108327
88	Realizing the Effective Detection of Tumor in Magnetic Resonance Imaging using Cluster-Sparse Assisted Super-Resolution, Srinivasan K., Selvakumar R., Rajagopal S., Velev D.G., Vuksanovic B., Open Biomedical Engineering Journal, Vol:15, Pg.No:(170-179), DOI: 10.2174/1874120702115010170	2021	2	Article	18741207
89	Automata Theory-based Energy Efficient Area Algorithm for an Optimal Solution in Wireless Sensor Networks, Karthikeyan A., Prakasam P., Karthik S., Ajayan J., Sai Gokul S., Wireless Personal Communications, DOI: 10.1007/s11277-021-08507-y	2021	2	Article	9296212
90	A Low-Noise Area-Efficient Current Feedback Instrumentation Amplifier, Sanjay R., Venkataramani B., Kumaravel S., Rajan V.S., Kishore K.H., Circuits, Systems, and Signal Processing	2021	2	Article	
91	Restructuring and interlayer phenomenon on tandem architecture to improve organic solar cell behaviour, Liyakath R., Ramaraj B., Shin P.-K., Santhakumar K., Journal of Materials Science: Materials in Electronics, DOI: 10.1007/s10854-021-05491-8	2021	2	Article	9574522

92	Spray-coated high-efficiency small molecule solar cell based on DTS[PTTH2]2: PC71BM configurations through integrated molecular and solvent engineering, Reshma L., Ramaraj B., Shin P.-K., Santhakumar K., Journal of Materials Science: Materials in Electronics, DOI: 10.1007/s10854-021-05317-7	2021	2	Article	9574522
93	Performance Improvement of Vector-Radix Decimation-in-Frequency 3D-DCT/IDCT Using Variable Word Length, Arunachalam V., Joseph Raj A.N., Deepika S., Circuits, Systems, and Signal Processing, DOI: 10.1007/s00034-020-01557-w	2021	2	Article	
94	Machine learning based KNN classifier: towards robust, efficient DTMF tone detection for a Noisy environment, Maity A., Prakasam P., Bhargava S., Multimedia Tools and Applications, DOI: 10.1007/s11042-021-11194-3	2021	2	Article	13807501
95	A Semi-Analytical and Computationally Efficient Method to Calculate the Touch-Point Pressure and Pull-In Voltage of a MEMS Pressure Sensor with a Circular Diaphragm, Jindal S.K., Sethi K., Patel I., Kumar A., Raghuvanshi S.K., IEEE Sensors Journal, Vol:21, Issue: 2, Pg.No:(1332-1339), DOI: 10.1109/JSEN.2020.3019205	2021	2	Article	
96	Comparative Analysis of Algorithms Governing Spectrum Handoff in Cognitive Radio Networks, Aggarwal M., Velmurugan T., Nandakumar S., Wireless Personal Communications, DOI: 10.1007/s11277-021-08677-9	2021	2	Article	9296212
97	DNA coding and RDH scheme hybrid encryption algorithm using SVM, Maniyath S.R., Thanikaiselvan V., International Journal of Cloud Computing, Vol:10, Issue: 44228, Pg.No:(144-157), DOI: 10.1504/IJCC.2021.113998	2021	2	Article	20439989
98	IoT plant monitoring system for mental health therapy, Yepuganti K., Awasthi S., Sharma R., AI and Society, DOI: 10.1007/s00146-020-01140-6	2021	2	Article	9515666
99	VLSI system architecture optimisation for DLMS adaptive filter using PPG based multiplier, Premson Y., Sakthivel R., International Journal of System of Systems Engineering, Vol:11, Issue: 03-Apr, Pg.No:(352-362), DOI: 10.1504/IJSSE.2021.121463	2021	1	Article	17480671
100	Neural Network Based Filtering Method for Cancer Detection, Jaya J., Sasi A., Paulchamy B., Sabareesaan K.J., Rajagopal S., Balakrishnan N., Open Biomedical Engineering Journal, Vol:15, Pg.No:(163-169), DOI: 10.2174/1874120702115010163	2021	1	Article	18741207
101	Efficient hearing aid algorithm using DCT with uniformly re-sampled and recursively modified audiogram values, Swamy K.A., Alex Z.C., Indonesian Journal of Electrical Engineering and Computer Science, Vol:23, Issue: 1, Pg.No:(237-246), DOI: 10.11591/ijeecs.v23.i1.pp237-246	2021	1	Article	25024752
102	Near-zero computing using NCFET for IoT applications, Sanapala K., Satyanarayana S.V.V., Sakthivel R., International Journal of Intelligent Enterprise, Vol:8, Issue: 44257, Pg.No:(288-295), DOI: 10.1504/IJIE.2021.114514	2021	1	Article	17453232
103	Performance Analysis of Relay Assisted Multihop Coherent OFDM System over Malaga Distribution with Pointing Errors, Balaji K.A., Praveen Bagadi K., Journal of Optical Communications, DOI: 10.1515/joc-2018-0134	2021	1	Article	1734911
104	Fault analysis on continuous variable transmission using DB-06 wavelet decomposition and fault classification using ANN, Narendiranath Babu T., Senthilnathan N., Pancholi S., Nikhil Kumar S.P., Rama Prabha D., Mohammed N., Wahab R.S., Journal of Intelligent and Fuzzy Systems, Vol:41, Issue: 1, Pg.No:(1297-1307), DOI: 10.3233/JIFS-210199	2021	1	Article	10641246
105	Image denoising using improved fuzzy based approach, Subash J., Kalaivani S., Indian Journal of Computer Science and Engineering, Vol:12, Issue: 5, Pg.No:(1325-1353), DOI: 10.21817/INDJCSE/2021/V12I5/211205068	2021	1	Article	9765166
106	Truncated Multiplier with Delay-Minimized Exact Radix-8 Booth Recoder Using Carry Resist Adder, Nesam J.J.J., Ganesh S.S., Circuits, Systems, and Signal Processing, DOI: 10.1007/s00034-020-01559-8	2021	1	Article	
107	A Cluster Leader Selection Algorithm to Enhance the Lifetime of Scalable Wireless Sensor Networks, Rajput A., Kumaravelu V.B., Journal of Circuits, Systems and Computers, DOI: 10.1142/S0218126621500560	2021	1	Article	2181266
108	Biofilm inhibition and antifouling evaluation of sol-gel coated silicone implants with prolonged release of eugenol against Pseudomonas aeruginosa, Rathinam P., Murari B.M., Viswanathan P., Biofouling, DOI: 10.1080/08927014.2021.1933960	2021	1	Article	8927014
109	Investigation of Hetero Buried Oxide and Gate Dielectric PNP Tunnel Field Effect Transistors, Ramkumar K., Ramakrishnan V.N., Silicon, DOI: 10.1007/s12633-020-00716-7	2021	1	Article	
110	Unified Automotive Location Tracking Using Android Things (IoT), Dantu V.V.R., Sai Dasaradha V.V.S., Sasikumar P., Wireless Personal Communications, DOI: 10.1007/s11277-021-08434-y	2021	1	Article	9296212

111	Joint power optimization and scaled beamforming approach in B5G network based massive MIMO enabled HetNet with full-duplex small cells, Balachandran M., Vali Mohamad N.M., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-020-00998-z	2021	1	Article	19366442
112	Empirical mode decomposition based adaptive noise canceller for improved identification of exons in eukaryotes, Hota M.K., Network Modeling Analysis in Health Informatics and Bioinformatics, Vol:10, Issue: 1, DOI: 10.1007/s13721-021-00346-y	2021	1	Article	21926662
113	Echocardiography image segmentation using semi-automatic numerical optimisation method based on wavelet decomposition thresholding, Kulkarni P., Madathil D., International Journal of Imaging Systems and Technology, DOI: 10.1002/ima.22631	2021	1	Article	8999457
114	Audio signal quality enhancement using multi-layered convolutional neural network based auto encoderdecoder, Raj S., Prakasam P., Gupta S., International Journal of Speech Technology, DOI: 10.1007/s10772-021-09809-z	2021	1	Article	13812416
115	Vehicle Localization Enhancement Using VANETS with Driver Safety Assistance, Kejriwal P., Kaur J., Sasikumar P., Wireless Personal Communications, DOI: 10.1007/s11277-021-08305-6	2021	1	Article	9296212
116	Safeguarding railway communication signals from radiated intentional EMI from a train, Biju S., Majeed K.K.A., Ravi R.V., International Journal of Information Technology (Singapore), DOI: 10.1007/s41870-021-00637-7	2021	1	Article	25112104
117	Hybrid spectrum access in a cognitive radio-enabled cooperative device-to-device network, Kumar P., Bhowmick A., International Journal of Communication Systems, DOI: 10.1002/dac.4861	2021	1	Article	10745351
118	Multiscale bsbl compressed sensing-based ECG signal compression with encoding for telemedicine, Surekha K.S., Patil B.P., Kumar R., Sharma D.P., Biomedical Engineering - Applications, Basis and Communications, DOI: 10.4015/S1016237221500344	2021	1	Article	10162372
119	Design and implementation of an inverter and its application in ring oscillator circuits using an organic-thin-film-transistor based on an FTM-derived channel, Singh A.K., Dwivedi A.D.D., Pandey A., Chakrabarti P., Semiconductor Science and Technology, Vol:36, Issue: 12, DOI: 10.1088/1361-6641/ac274f	2021	1	Article	2681242
120	P-type Cu2O Thin Film Transistors for Active Matrix Displays: Physical Modeling and Numerical Simulation, Rajshekar K., Kannadassan D., IEEE Access, DOI: 10.1109/ACCESS.2021.3130999	2021	1	Article	21693536
121	A feature based change detection approach using multi-scale orientation for multi-temporal SAR images, Vijaya Geetha R., Kalaivani S., European Journal of Remote Sensing, DOI: 10.1080/22797254.2020.1759457	2021	1	Article	11298596
122	The 3D-DTW custom IP based FPGA hardware acceleration for action recognition, Vidhyapathi C.M., Joseph Raj A.N., Sundar S., Journal of Imaging Science and Technology, Vol:65, Issue: 1, DOI: 10.2352/J.IMAGINGSCI.TECHNOL.2021.65.1.010401	2021	1	Article	10623701
123	Bandwidth reconfigurable microwave filter using stepped impedance c-shaped resonator, Kingsly S., Kanagasabai M., Mohammed G.N.A., Thirunavukkarasu M., Subbaraj S., Palaniswamy S.K., Bilvam S., Kulanthaisamy I., Microwave and Optical Technology Letters, DOI: 10.1002/mop.32616	2021	1	Article	8952477
124	TCAD based performance assessment of Indium Gallium Nitride based single junction solar cells for different mole fractions of Indium, Chandra V., Dwivedi A.D.D., Sinha N., Optical and Quantum Electronics, Vol:53, Issue: 2, DOI: 10.1007/s11082-020-02709-7	2021	1	Article	3068919
125	TCAD simulation study on reliability issue of heterojunction heterodielectric FinFET: Effect of interface trap charge, BOX height and temperature, Hirpara Y., Saha R., Pramana - Journal of Physics, Vol:95, Issue: 4, DOI: 10.1007/s12043-021-02210-0	2021	1	Article	3044289
126	Compact Band-Pass Filter Using Modified O-shaped Resonator and Source Load Coupling for Transmission Zero Improvement, Mishra N., Chaudhary R.K., Radioengineering, Vol:30, Issue: 1, Pg.No:(111-116), DOI: 10.13164/re.2021.0111	2021	0	Article	12102512
127	Quasi-Deterministic Secure Quantum Communication Using Non-maximally Entangled States, Vijayaraj S., Balakrishnan S., Senthilnathan K., International Journal of Theoretical Physics, Vol:60, Issue: 1, Pg.No:(164-171), DOI: 10.1007/s10773-020-04672-1	2021	0	Article	207748

128	Design and Implementation of SOC-Based Noncontact-Type Level Sensing for Conductive and Nonconductive Liquids, Iqbal J.L.M., Kishore M.S., Arulkumaran Ganeshan, Narayan G., Advances in Materials Science and Engineering, Vol:2021, DOI: 10.1155/2021/7630008	2021	0	Article	16878434
129	Review of Medical Cyber Physical System based Infusion Pump-perception on control strategy, Alamelu J.V., Mythili A., EAI Endorsed Transactions on Energy Web, Vol:8, Issue: 36, Pg.No:(1-10), DOI: 10.4108/eai.29-4-2021.169427	2021	0	Article	16155548
130	Wireless Dip Temperature Lance for provisioning hot metal analytics of blast furnaces, Patra D., Kundu C., Patra P., Ironmaking and Steelmaking, DOI: 10.1080/03019233.2020.1833677	2021	0	Article	3019233
131	Medical image detection & privacy management with elliptic curve Gopso cryptographic optimization technique on the internet of health things, Sabitha R., Upreti K., Syed M.H., Shukla P.K., Sivaraman R., Vijayakumar P., Annals of the Romanian Society for Cell Biology, Vol:25, Issue: 4, Pg.No:(3335-3350)	2021	0	Article	20673019
132	Assessment of major depressive disorders through neuroimaging studies and their treatment methods, Vijayadasan J., Raghunathan D., Rajagopal S., Soangra R., International Journal of Biology and Biomedical Engineering, Vol:15, Pg.No:(18-28), DOI: 10.46300/91011.2021.15.4	2021	0	Article	19984510
133	Noise Cancellation in Computed Tomography Images through Adaptive Multi-Stage Noise Removal Paradigm, Subash J., Kalaivani S., International Journal of Advanced Computer Science and Applications, Vol:12, Issue: 12, Pg.No:(158-166), DOI: 10.14569/IJACSA.2021.0121221	2021	0	Article	
134	Design of the interaction cavity extending to the nonlinear taper for a 10 kw, W-band gyrotron, Karmakar S., Mudiganti J.C., Journal of Electromagnetic Waves and Applications, DOI: 10.1080/09205071.2020.1865210	2021	0	Article	9205071
135	Coupled microstrip slot resonators for bandstop filters: theory and design, C. R L., Kannadassan D., Journal of Electromagnetic Waves and Applications, DOI: 10.1080/09205071.2020.1861991	2021	0	Article	9205071
136	Capacitive boosted ring oscillators for all-digital phase-locked loops (ADPLLs), Balikai V., Kittur H., Journal of Circuits, Systems and Computers, DOI: 10.1142/S021812662150273X	2021	0	Article	2181266
137	A Novel Strong Decorrelation Approach for Image Subband Coding Using Polynomial EVD Algorithms, Yepuganti K., Reddy G.R., Proceedings of the National Academy of Sciences India Section A - Physical Sciences, DOI: 10.1007/s40010-019-00646-z	2021	0	Article	3698203
138	An Extensive Analysis of the Vision-based Deep Learning Techniques for Action Recognition, Manasa R., Shukla R., Saranya K.C., International Journal of Advanced Computer Science and Applications, Vol:12, Issue: 2, Pg.No:(604-611), DOI: 10.14569/IJACSA.2021.0120276	2021	0	Article	
139	A compact high sensitive D shape surface plasmon sensor, Nivedha S., Senthilnathan K., Indian Journal of Pure and Applied Physics, Vol:59, Issue: 7, Pg.No:(483-489)	2021	0	Article	195596
140	Heuristic trust-based neighbour centric routing for CPS-enabled wireless sensor and ad hoc network, Singhal C., Rajesh A., International Journal of Information and Computer Security, Vol:16, Issue: 44228, Pg.No:(120-136), DOI: 10.1504/IJICS.2021.117398	2021	0	Article	17441765
141	Integration of dual function array with nested slot radiator for MIMO applications, Subbaraj S., Kanagasabai M., Alsath M.G.N., Kingsly S., Palaniswamy S.K., Rao Y.V.R., Shrivastav A.K., International Journal of RF and Microwave Computer-Aided Engineering, DOI: 10.1002/mmce.22781	2021	0	Article	10964290
142	Novel implementations of clutter and target discrimination using threshold skewness method, Pardhu T., Kumar V., Traitement du Signal, Vol:38, Issue: 4, Pg.No:(1079-1085), DOI: 10.18280/ts.380418	2021	0	Article	7650019
143	Design of the interaction cavity for a 110-GHz, 1.5-MW Gyrotron, Karmakar S., Mudiganti J.C., Journal of Electromagnetic Waves and Applications, DOI: 10.1080/09205071.2021.1918265	2021	0	Article	9205071
144	A low power and soft error resilience guard-gated Quartro-based flip-flop in 45 nm CMOS technology, Kumar S.S., Sundaram K., Padmanaban S., Holm-Nielsen J.B., Blaabjerg F., IET Circuits, Devices and Systems, DOI: 10.1049/cds2.12052	2021	0	Article	
145	Experimental study of through the wall imaging for the detection of vital life signs using SFWR, Thottempudi P., Kumar V., Indonesian Journal of Electrical Engineering and Computer Science, Vol:24, Issue: 2, Pg.No:(825-830), DOI: 10.11591/ijeecs.v24.i2.pp861-867	2021	0	Article	25024752

146	Analysis and detection of nephrolithiasis using imaging techniques, Tripathy S., Sivakumar R., Nair S., Inbamalar T.M., International Journal of Biology and Biomedical Engineering, Vol:15, Pg.No:(36-46), DOI: 10.46300/91011.2021.15.6	2021	0	Article	19984510
147	A CMOS implementation of controller based all digital phase locked loop (ADPLL), Balikai V., Kittur H., Circuit World, DOI: 10.1108/CW-11-2019-0184	2021	0	Article	3056120
148	A Novel Approach to Information Security in Medical Sensor Networks, Karunakaran K., Rajagopal S., Open Biomedical Engineering Journal, Vol:15, Pg.No:(149-162), DOI: 10.2174/1874120702115010149	2021	0	Article	18741207
284	Guest editorials: P2P computing for 5G, beyond 5G (B5G) networks and internet-of-everything (IoE), Prakasam P., Sayeed M.S., Ajayan J., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-020-01001-5	2021	7	Editorial	19366442
285	Publisher Correction: Optical quantum technologies with hexagonal boron nitride single photon sources (Scientific Reports, (2021), 11, 1, (12285), 10.1038/s41598-021-90804-4), Shaik A.B.D., Palla P., Scientific Reports, Vol:11, Issue: 1, DOI: 10.1038/s41598-021-95271-5	2021	2	Erratum	20452322
286	Correction to: Joint power optimization and scaled beamforming approach in B5G network based massive MIMO enabled HetNet with full-duplex small cells (Peer-to-Peer Networking and Applications, (2020), 10.1007/s12083-020-00998-z), Balachandran M., Mohamad N.M.V., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-020-01040-y	2021	1	Erratum	19366442
287	A review on real-time implantable and wearable health monitoring sensors based on triboelectric nanogenerator approach, Mathew A.A., Chandrasekhar A., Vivekanandan S., Nano Energy, Vol:80, DOI: 10.1016/j.nanoen.2020.105566	2021	91	Review	22112855
288	Recent advances on iot-assisted wearable sensor systems for healthcare monitoring, Mamdiwar S.D., Akshith R., Shakruwala Z., Chadha U., Srinivasan K., Chang C.-Y., Biosensors, Vol:11, Issue: 10, DOI: 10.3390/bios11100372	2021	72	Review	20796374
289	Standard Propagation Channel Models for MIMO Communication Systems, Imoize A.L., Ibhaze A.E., Atayero A.A., Kavitha K.V.N., Wireless Communications and Mobile Computing, Vol:2021, DOI: 10.1155/2021/8838792	2021	46	Review	15308669
290	Design of half-mode substrate integrated cavity inspired dual-band antenna, Althuwayb A.A., Al-Hasan M.J., Kumar A., Chaturvedi D., International Journal of RF and Microwave Computer-Aided Engineering, Vol:31, Issue: 2, DOI: 10.1002/mmce.22520	2021	36	Review	10964290
291	Comprehensive Review on Triboelectric Nanogenerator Based Wrist Pulse Measurement: Sensor Fabrication and Diagnosis of Arterial Pressure, Venugopal K., Panchatcharam P., Chandrasekhar A., Shanmugasundaram V., ACS Sensors, DOI: 10.1021/acssensors.0c02324	2021	36	Review	23793694
292	Application of cell-free massive MIMO in 5G and beyond 5G wireless networks: a survey, Obakhena H.I., Imoize A.L., Anyasi F.I., Kavitha K.V.N., Journal of Engineering and Applied Science, Vol:68, Issue: 1, DOI: 10.1186/s44147-021-00014-y	2021	26	Review	11101903
293	Optical tomography in additive manufacturing: a review, processes, open problems, and new opportunities, Dharnidharka M., Chadha U., Dasari L.M., Paliwal A., Surya Y., Selvaraj S.K., European Physical Journal Plus, Vol:136, Issue: 11, DOI: 10.1140/epjp/s13360-021-02108-1	2021	17	Review	21905444
294	Review-Carbon Electrodes in Magnesium Sulphur Batteries: Performance Comparison of Electrodes and Future Directions, Chadha U., Bhardwaj P., Padmanaban S., Kabra D., Pareek G., Naik S., Singh M., Banavoth M., Sonar P., Singh S., Latha S., Ray A.K., Badoni B., Rao N.S., Journal of the Electrochemical Society, Vol:168, Issue: 12, DOI: 10.1149/1945-7111/ac4104	2021	9	Review	134651
295	A review on three-dimensional graphene: Synthesis, electronic and biotechnology applications-The Unknown Riddles, Thiyagarajan P., IET Nanobiotechnology, Vol:15, Issue: 4, Pg.No:(348-357), DOI: 10.1049/nbt2.12045	2021	6	Review	17518741
296	Recent developments of inkjet-printed flexible sensing electronics for wearable device applications: a review, Kathirvelan J., Sensor Review, DOI: 10.1108/SR-08-2020-0190	2021	6	Review	2602288
297	Recent trends and role of large area flexible electronics in shape sensing application a review, Shaik R.A., Rufus E., Industrial Robot, DOI: 10.1108/IR-10-2020-0234	2021	4	Review	