

SENSE Scopus Publications - 2022

Sl.No	Paper Title	Year	Citations	Type	ISSN
1	A Survey on Mathematical, Machine Learning and Deep Learning Models for COVID-19 Transmission and Diagnosis, John C.C., Ponnusamy V., Krishnan Chandrasekaran S., R N., IEEE Reviews in Biomedical Engineering, DOI: 10.1109/RBME.2021.3069213	2022	45	Article	19373333
2	Lung Cancer Classification and Prediction Using Machine Learning and Image Processing, Nageswaran S., Arunkumar G., Bisht A.K., Mewada S., Kumar J.N.V.R.S., Jawarneh M., Asenso E., BioMed Research International, Vol:2022, DOI: 10.1155/2022/1755460	2022	24	Article	23146133
3	Advances in chitosan biopolymer composite materials: From bioengineering, wastewater treatment to agricultural applications, Chadha U., Bhardwaj P., Selvaraj S.K., Kumari K., Isaac T.S., Panjwani M., Kulkarni K., Mathew R.M., Sathesh A.M., Pal A., Gunreddy N., Dubey O., Singh S., Latha S., Chakravorty A., Badoni B., Banavoth M., Sonar P., Manoharan M., Paramasivam V., Materials Research Express, Vol:9, Issue: 5, DOI:	2022	23	Article	20531591
4	Identification of Autism in Children Using Static Facial Features and Deep Neural Networks, Mujeeb Rahman K.K., Subashini M.M., Brain Sciences, Vol:12, Issue: 1, DOI: 10.3390/brainsci12010094	2022	22	Article	20763425
5	Tunable Optimal Dual Band Metamaterial Absorber for High Sensitivity THz Refractive Index Sensing, Karthikeyan M., Jayabala P., Ramachandran S., Dhanabalan S.S., Sivanesan T., Ponnusamy M., Nanomaterials, Vol:12, Issue: 15, DOI: 10.3390/nano12152693	2022	21	Article	20794991
6	Throughput Maximization of a UAV Assisted CR Network with NOMA-Based Communication and Energy-Harvesting, Bhowmick A., Dhar Roy S., Kundu S., IEEE Transactions on Vehicular Technology, Vol:71, Issue: 1, Pg.No:(362-374), DOI: 10.1109/TVT.2021.3123183	2022	20	Article	189545
7	Underwater Wireless Sensor Network Performance Analysis Using Diverse Routing Protocols, Sathish K., Ravikumar C.V., Rajesh A., Pau G., Journal of Sensor and Actuator Networks, Vol:11, Issue: 4, DOI:	2022	18	Article	22242708
8	Compact planar magneto-electric dipole-like circularly polarized antenna, Kumar A., Althuwayb A.A., Chaturvedi D., Kumar R., Ahmadfard F., IET Communications, DOI: 10.1049/cmu2.12499	2022	16	Article	17518628
9	4D Hyperchaotic map and DNA encoding combined image encryption for secure communication, Arthi G., Thanikaiselvan V., Amirtharajan R., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-12598-5	2022	16	Article	13807501
10	Parasitic Element Based Frequency Reconfigurable Antenna with Dual Wideband Characteristics for Wireless Applications, Boyapati B., Kumar J., International Journal on Recent and Innovation Trends in Computing and Communication, Vol:10, Issue: 6, Pg.No:(10-23), DOI: 10.17762/ijritcc.v10i6.5619	2022	15	Article	23218169
11	Wearable multi-sensor data fusion approach for human activity recognition using machine learning algorithms, Vidya B., P S., Sensors and Actuators A: Physical, Vol:341, DOI: 10.1016/j.sna.2022.113557	2022	15	Article	9244247
12	Investigation of Eye-Tracking Scan Path as a Biomarker for Autism Screening Using Machine Learning Algorithms, Kanhirakadavath M.R., Chandran M.S.M., Diagnostics, Vol:12, Issue: 2, DOI: 10.3390/diagnostics12020518	2022	15	Article	20754418
13	On the Use of Wavelet Domain and Machine Learning for the Analysis of Epileptic Seizure Detection from EEG Signals, Kavitha K.V.N., Ashok S., Imoize A.L., Ojo S., Selvan K.S., Ahanger T.A., Alhassan M., Journal of healthcare engineering, Vol:2022, Pg.No:(8928021-), DOI: 10.1155/2022/8928021	2022	13	Article	20402309
14	Automatic lung parenchyma segmentation using a deep convolutional neural network from chest X-rays, Maity A., Nair T.R., Mehta S., Prakasam P., Biomedical Signal Processing and Control, Vol:73, DOI:	2022	13	Article	17468094
15	Performance Analysis of Underwater Wireless Sensor Network by Deploying FTP, CBR, and VBR as Applications, Sathish K., Ravikumar C.V., Srinivasulu A., Gupta A.K., Journal of Computer Networks and Communications, Vol:2022, DOI: 10.1155/2022/7143707	2022	13	Article	20907141
16	Cost-Effective, Disposable, Flexible, and Printable MWCNT-Based Wearable Sensor for Human Body Temperature Monitoring, Thiyagarajan K., Rajini G.K., Maji D., IEEE Sensors Journal, Vol:22, Issue: 17, Pg.No:(16756-16763), DOI: 10.1109/JSEN.2021.3088466	2022	12	Article	1530437X
17	Metal oxide thin films coated evanescent wave based fiber optic VOC sensor, Prasanth A., Meher S.R., Alex Z.C., Sensors and Actuators A: Physical, Vol:338, DOI: 10.1016/j.sna.2022.113459	2022	11	Article	9244247
18	Design of Compact UWB Filter Using Parallel-coupled Line and Circular Open-circuited Stubs, Ramanujam P., Arumugam C., Venkatesan P G R., Ponnusamy M., IETE Journal of Research	2022	11	Article	3772063
19	Cu2O thin films grown by magnetron sputtering as solar cell absorber layers, Lakshmanan A., Alex Z.C., Meher S.R., Materials Science in Semiconductor Processing, Vol:148, DOI: 10.1016/j.mssp.2022.106818	2022	10	Article	13698001
20	Degradation of mixed cationic dye pollutant by metal free melem derivatives and graphitic carbon nitride, Rani B., Nayak A.K., Sahu N.K., Chemosphere, Vol:298, DOI: 10.1016/j.chemosphere.2022.134249	2022	10	Article	456535
21	A novel colour image encryption scheme using dynamic DNA coding, chaotic maps, and SHA-2, Paul L.S.J., Gracias C., Desai A., Thanikaiselvan V., Suba Shanthini S., Rengarajan A., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-13095-5	2022	10	Article	13807501
22	An efficient hardware architecture based on an ensemble of deep learning models for COVID -19 prediction, R S., Thaseen I.S., M V., M D., M A., R M., Mahendran A., Alnumay W., Chatterjee P., Sustainable Cities and Society, Vol:80, DOI: 10.1016/j.scs.2022.103713	2022	10	Article	22106707
23	Performance enhancement of FSO communication system using machine learning for 5G/6G and IoT applications, Kumar L.J.S., Krishnan P., Shreya B., M.S. S., Optik, Vol:252, DOI: 10.1016/j.ijleo.2021.168430	2022	9	Article	304026
24	A Secure and Robust Autoencoder-Based Perceptual Image Hashing for Image Authentication, Shaik A.S., Karsh R.K., Islam M., Singh S.P., Wireless Communications and Mobile Computing, Vol:2022, DOI:	2022	9	Article	15308669
25	Fake news detection and classification using hybrid BiLSTM and self-attention model, Mohapatra A., Thota N., Prakasam P., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-12764-9	2022	9	Article	13807501
26	Flexible compact system for wearable health monitoring applications, Dhanabalan S.S., R S., Madurakavi K., Thirumurugan A., M R., Avanimathan S.R., Carrasco M.F., Computers and Electrical Engineering, Vol:102, DOI: 10.1016/j.compeleceng.2022.108130	2022	9	Article	457906
27	Shift to 6G: Exploration on trends, vision, requirements, technologies, research, and standardization efforts, Dhinesh Kumar R., Chavhan S., Sustainable Energy Technologies and Assessments, Vol:54, DOI:	2022	9	Article	22131388

28	Grasshopper optimization algorithm based improved variational mode decomposition technique for muscle artifact removal in ECG using dynamic time warping, Malghan P.G., Kumar Hota M., Biomedical Signal Processing and Control, Vol:73, DOI: 10.1016/j.bspc.2021.103437	2022	9	Article	17468094
29	Parkinson's disease diagnosis and stage prediction based on gait signal analysis using EMD and CNN+LSTM network, B. Vidya, Sasikumar P., Engineering Applications of Artificial Intelligence, Vol:114, DOI:	2022	8	Article	9521976
30	Stacked T-Shaped Strips Compact Antenna for WLAN and WiMAX Applications, Karthikeyan M., Sitharthan R., Ali T., Pathan S., Anguera J., Shanmuga Sundar D., Wireless Personal Communications, DOI: 10.1007/s11277-021-	2022	8	Article	9296212
31	Outage Probability Analysis and Transmit Power Optimization for Blind-Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Uplink, Kumaravelu V.B., Imoize A.L., Soria F.R.C., Velmurugan P.G.S., Thiruvengadam S.J., Murugadass A., Gudla V.V., Sustainability (Switzerland), Vol:14, Issue: 20, DOI: 10.3390/su142013188	2022	8	Article	20711050
32	Assessing nitrogen dioxide (NO ₂) impact on health pre- and post-COVID-19 pandemic using IoT in India, R S., D S.S., M R., Madurakavi K., I.J.R., J B.E., R R.S., R K., International Journal of Pervasive Computing and Communications, DOI: 10.1108/IJPC-08-2020-0115	2022	8	Article	17427371
33	Investigation and Numerical Simulation of the Acoustic Target Strength of the Underwater Submarine Vehicle, Sathish K., Anbazhagan R., Venkata R.C., Arena F., Pau G., Inventions, Vol:7, Issue: 4, DOI:	2022	8	Article	24115134
34	Performance evaluation of gate engineered InAs/Si heterojunction surrounding gate TFET, Sathishkumar M., Samuel T.S.A., Ramkumar K., Anand I.V., Rahi S.B., Superlattices and Microstructures, DOI:	2022	8	Article	7496036
35	Hydrated metal salt and Y ₃ Fe ₅ O ₁₂ /Na _{0.5} K _{0.5} NbO ₃ -incorporated P(VDF-HFP) films: a promising combination of materials with multiferroic and energy harvesting properties, Rahul M.T., Chacko S.K., Raneesh B., Philip K.A., Kalarikkal N., Rouxel D., Munirathinam P., Chandrasekhar A., Journal of Materials Science, DOI: 10.1007/s10853-022-07142-7	2022	8	Article	222461
36	Analysis and Design of Novel Doping Free Silicon Nanotube TFET with High-density Meshing Using ML for Sub Nanometre Technology Nodes, Kumar R., Devi B.A., Sireesha V., Reddy A.K., Hariharan I., Konguvel E., Vignesh N.A., Silicon, DOI: 10.1007/s12633-022-01859-5	2022	7	Article	1876990X
37	Optimization of Performance and Scalability Measures across Cloud Based IoT Applications with Efficient Scheduling Approach, Nithyanandam N., Rajesh M., Sitharthan R., Shanmuga Sundar D., Vengatesan K., Madurakavi K., International Journal of Wireless Information Networks, DOI: 10.1007/s10776-022-00568-5	2022	7	Article	10689605
38	Multiferroic and energy harvesting characteristics of P(VDF-TrFE)-CuFe ₂ O ₄ flexible films, Rahul M.T., Chacko S.K., Vinodan K., Raneesh B., Philip K.A., Bhadrappriya B.C., Bose B.A., Kalarikkal N., Rouxel D., Viswanathan P., Chandrasekhar A., Polymer, Vol:252, DOI: 10.1016/j.polymer.2022.124910	2022	7	Article	323861
39	2D- PhC based all optical AND, OR and EX-OR logic gates with high contrast ratio operating at C band, Geerthana S., Syedakbar S., Sridarshini T., Balaji V.R., Sitharthan R., Shanmuga Sundar D., Laser Physics, Vol:32, Issue: 10, DOI: 10.1088/1555-6611/ac8c3e	2022	7	Article	1054660X
40	Energy efficient MIMO+NOMA aided IoT network in B5G communications, Rajak S., Selvaprabhu P., Chinnadurai S., Hosen A.S.M.S., Saad A., Tolba A., Computer Networks, Vol:216, DOI: 10.1016/j.comnet.2022.109250	2022	7	Article	13891286
41	Negative Capacitance Ferroelectric FET Based on Short Channel Effect for Low Power Applications, Kanithan S., Vignesh N.A., Jana S., Prasad C.G., Konguvel E., Vimalnath S., Silicon, DOI: 10.1007/s12633-021-01625-z	2022	7	Article	
42	STSR: Spectro-Temporal Super-Resolution Analysis of a Reference Signal Less Photoplethysmogram for Heart Rate Estimation During Physical Activity, Pankaj, Kumar A., Kumar M., Komaragiri R., IEEE Transactions on Instrumentation and Measurement, Vol:71, DOI: 10.1109/TIM.2022.3192831	2022	7	Article	189456
43	Electrostatic characteristics of a high-k stacked gate-all-around heterojunction tunnel field-effect transistor using the superposition principle, Usha C., Vimala P., Ramkumar K., Ramakrishnan V.N., Journal of Computational Electronics, DOI: 10.1007/s10825-021-01819-z	2022	6	Article	15698025
44	Development of an Integrated Soft E-nose for Food Quality Assessment, Pulluri K.K., Kumar V.N., IEEE Sensors Journal, Pg.No:(1-1), DOI: 10.1109/JSEN.2022.3182480	2022	6	Article	1530437X
45	Numerical Investigation of Side-Polished SPR PCF Sensor for Urine Analysis, Manickam P., Senthil R., Plasmonics, DOI: 10.1007/s11468-022-01688-7	2022	6	Article	15571955
46	Image Encryption Using a Spectrally Efficient Halton Logistics Tent (HaLT) Map and DNA Encoding for Secured Image Communication, Patel S., Veeramalai T., Entropy, Vol:24, Issue: 6, DOI: 10.3390/e24060803	2022	6	Article	10994300
47	Blind RIS Aided Ordered NOMA: Design, Probability of Outage Analysis and Transmit Power Optimization, Jadhav H.K., Kumaravelu V.B., Symmetry, Vol:14, Issue: 11, DOI: 10.3390/sym14112266	2022	6	Article	20738994
48	Integrated BERT embeddings, BiLSTM-BiGRU and 1-D CNN model for binary sentiment classification analysis of movie reviews, Gupta B., Prakasam P., Velmurugan T., Multimedia Tools and Applications, DOI: 10.1007/s11042-	2022	6	Article	13807501
49	Design and area optimization of CMOS operational amplifier circuit using hybrid flower pollination algorithm for IoT end-node devices, Sasikumar A., Subramaniaswamy V., Jannali R., Srinivasa Rao V., Ravi L., Microprocessors and Microsystems, Vol:93, DOI: 10.1016/j.micpro.2022.104610	2022	6	Article	1419331
50	New replay attack detection using iterative adaptive inverse filtering and high frequency band, Bharath K.P., Rajesh Kumar M., Expert Systems with Applications, Vol:195, DOI: 10.1016/j.eswa.2022.116597	2022	6	Article	9574174
51	Pressure Sensors Using Si/ZnO Heterojunction Diode, Dhanaselvam P.S., Kumar D.S., Ramakrishnan V.N., Ramkumar K., Balamurugan N.B., Silicon, DOI: 10.1007/s12633-021-01177-2	2022	5	Article	
52	Transmit antenna selection for spatial modulation based on machine learning, Jadhav H.K., Kumaravelu V.B., Physical Communication, Vol:55, DOI: 10.1016/j.phycom.2022.101904	2022	5	Article	18744907
53	Deep learning integrated reinforcement learning for adaptive beamforming in B5G networks, Eappen G., Cosmas J., Shankar T., Rajesh A., Nilavalan R., Thomas J., IET Communications, DOI: 10.1049/cmu2.12501	2022	5	Article	17518628
54	A two-phase fuzzy based access network selection scheme for vehicular ad hoc networks, Evangeline C.S., Kumaravelu V.B., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-021-01228-w	2022	5	Article	19366442
55	Capacitance Response of Concave Well Substrate MEMS Double Touch Mode Capacitive Pressure Sensor: Robust Design, Theoretical Modeling, Numerical Simulation and Performance Comparison, Kumar G.A.A.U., Jindal S.K., P K S., Silicon, DOI: 10.1007/s12633-022-01693-9	2022	5	Article	

56	A Novel Analytical Framework Is Developed for Wireless Heterogeneous Networks for Video Streaming Applications, Kumarganesh S., Anthoniraj S., Kumar T.S., Elayaraja P., Malathi A.C.J., Somaskandan M., Bekele G., Journal of Mathematics, Vol:2022, DOI: 10.1155/2022/2100883	2022	5	Article	23144629
57	Cluster and angular based energy proficient trusted routing protocol for mobile ad-hoc network, Thirunavukkarasu V., Senthil Kumar A., Prakasam P., Peer-to-Peer Networking and Applications, DOI:	2022	5	Article	19366442
58	AgriWealth: IoT based farming system, Sarpal D., Sinha R., Jha M., TN P., Microprocessors and Microsystems, Vol:89, DOI: 10.1016/j.micpro.2022.104447	2022	5	Article	1419331
59	Hybrid Bird Swarm Optimized Quasi Affine Algorithm Based Node Location in Wireless Sensor Networks, Malathy E.M., Asaithambi M., Dheeraj A., Arputharaj K., Wireless Personal Communications, DOI: 10.1007/s11277-021-	2022	5	Article	9296212
60	Priority-Based Resource Allocation and Energy Harvesting for WBAN Smart Health, Selvaprabhu P., Chinnadurai S., Tamilarasan I., Venkatesan R., Kumaravelu V.B., Wireless Communications and Mobile Computing, Vol:2022, DOI: 10.1155/2022/8294149	2022	5	Article	15308669
61	Multimodal Medical Image Fusion Based on Content-based and PCA-sigmoid, Polinati S., Baviriseti D.P., Rajesh K.N.V.P.S., Dhuli R., Current Medical Imaging, Vol:18, Issue: 5, Pg.No:(546-562), DOI: 10.2174/1573405617666211004114726	2022	5	Article	15734056
62	Influence of CNT volume fractions on static and dynamic behavior of aluminum honeycomb-cored carbon-fiber-reinforced honeycomb sandwich structure, Chandra S., Amulani A., Thomas S.B., Soni S.K., Thomas B., Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol:44, Issue: 11, DOI: 10.1007/s40430-022-03825-	2022	4	Article	16785878
63	Transmit antenna selection strategies for spectrally efficient spatial modulation techniques, Gudla V.V., Kumaravelu V.B., Asha S., Murugadass A., International Journal of Communication Systems, DOI:	2022	4	Article	10745351
64	Continuous Mapping of Broadband VHF Lightning Sources by Real-Valued MUSIC, Chouragade J., Muthu R.K., IEEE Transactions on Geoscience and Remote Sensing, DOI: 10.1109/TGRS.2021.3083446	2022	4	Article	1962892
65	Design and analysis of a dual gate tunnel FET with InGaAs source pockets for improved performance, Rasheed G., Sridevi S., Microelectronics Journal, Vol:129, DOI: 10.1016/j.mejo.2022.105587	2022	4	Article	262692
66	On Selection of Parameters for Cooperative Spectrum Sensing Schemes over α - β Fading Channels, Nallagonda S., Bhowmick A., Prasad B., IETE Journal of Research, DOI: 10.1080/03772063.2022.2038700	2022	4	Article	3772063
67	Fault Diagnosis in Bevel Gearbox Using Coiflet Wavelet and Fault Classification Based on ANN Including DNN, Babu T.N., Ali P.S.N., Prabha D.R., Mohammed V.N., Wahab R.S., Vijayalakshmi S., Arabian Journal for Science and Engineering, DOI: 10.1007/s13369-022-06767-9	2022	4	Article	2193567X
68	Research Contribution and Comprehensive Review towards the Semantic Segmentation of Aerial Images Using Deep Learning Techniques, Anilkumar P., Venugopal P., Security and Communication Networks, Vol:2022, DOI: 10.1155/2022/6010912	2022	4	Article	19390114
69	Photoelectrochemical performance of a spin coated TiO ₂ protected BiVO ₄ -Cu ₂ O thin film tandem cell for unassisted solar water splitting, Sitaaraman S.R., Nirmala Grace A., Sellappan R., RSC Advances, Vol:12, Issue: 48, Pg.No:(31380-31391), DOI: 10.1039/d2ra05774c	2022	4	Article	20462069
70	Reconfigurable and hardware efficient adaptive quantization model-based accelerator for binarized neural network, A S., Ravi L., Kotecha K., V I., V S., Computers and Electrical Engineering, Vol:102, DOI: 10.1016/j.compeleceng.2022.108302	2022	4	Article	457906
71	Reduction of linear dynamic systems using generalized approach of pole clustering method, Prajapati A.K., Prasad R., Transactions of the Institute of Measurement and Control, DOI: 10.1177/01423312211063307	2022	4	Article	1423312
72	Efficient Seamless Handover Mechanism and Mobility Management for D2D Communication in 5G Cellular Networks, Sumathi D., Prakasam P., Nandakumar S., Balaji S., Wireless Personal Communications, DOI: 10.1007/s11277-022-09655-5	2022	4	Article	9296212
73	Throughput performance of a non-linear energy-harvesting cognitive radio-enabled device-to-device network, Kumar P., Bhowmick A., International Journal of Communication Systems, DOI: 10.1002/dac.5124	2022	4	Article	10745351
74	Energy storage improvement of graphene based super capacitors, Padma Priya R., Baradeswaran A., Bagubali A., Materials Today: Proceedings, DOI: 10.1016/j.matpr.2023.02.279	2022	4	Article	22147853
75	Single-Pixel Compressive Digital Holographic Encryption System Based on Circular Harmonic Key and Parallel Phase Shifting Digital Holography, Lokesh Reddy B., Nelleri A., International Journal of Optics, Vol:2022, DOI: 10.1155/2022/6298010	2022	3	Article	16879384
76	An ultra-wideband polarization insensitive frequency selective surface for shielding applications, Shaik V., Inabathini S.R., International Journal of RF and Microwave Computer-Aided Engineering, DOI:	2022	3	Article	10964290
77	A systematic literature review on channel estimation in MIMO-OFDM system: Performance analysis and future direction, Manasa B.M.R., Venugopal P., Journal of Optical Communications, DOI: 10.1515/joc-2022-0033	2022	3	Article	1734911
78	Effect on electrode configuration in electrical wound healing, Harish Gnanasambanthan G., Maji D., Materials Today: Proceedings, DOI: 10.1016/j.matpr.2022.03.246	2022	3	Article	22147853
79	Influence of surface trap states on RF/microwave performance of lateral AlGaIn/GaN Schottky barrier diode, Shaikshavali D., Kannadassan D., Journal of Electromagnetic Waves and Applications, DOI: 10.1080/09205071.2021.1956374	2022	3	Article	9205071
80	PAPR reduction of OFDM systems using H-SLM method with a multiplierless IFFT/FFT technique, Sivadas N.A., ETRI Journal, DOI: 10.4218/etrij.2020-0316	2022	3	Article	12256463
81	Traffic flow forecasting using natural selection based hybrid Bald Eagle Search - Grey Wolf optimization algorithm, Sivakumar R., Angayarkanni S.A., Ramana Rao Y.V., Sadiq A.S., PLoS ONE, Vol:17, Issue: 09-Sep, DOI: 10.1371/journal.pone.0275104	2022	3	Article	19326203
82	Enhanced pothole detection system using YOLOX algorithm, Mohan Prakash B., Sriharipriya K.C., Autonomous Intelligent Systems, Vol:2, Issue: 1, DOI: 10.1007/s43684-022-00037-z	2022	3	Article	2730616X
83	Analysis of hybrid FSO/RF communication system under the effects of combined atmospheric fading and pointing errors, Magidi S., Jabeena A., Optical and Quantum Electronics, Vol:54, Issue: 4, DOI: 10.1007/s11082-022-03586-	2022	3	Article	3068919
84	Compositionally Homogeneous Soft Wrinkles on Elastomeric Substrates: Novel Fabrication Method, Water Collection from Fog, and Triboelectric Charge Generation, Raj S.S., Davis D., Viswanathan P., Chandrasekhar A., Vinod T.P., Macromolecular Materials and Engineering, DOI: 10.1002/mame.202200247	2022	3	Article	14387492

85	Implementation of Deep Learning Algorithm on a Custom Dataset for Advanced Driver Assistance Systems Applications, Neelam Jaikishore C., Podaturpet Arunkumar G., Jagannathan Srinath A., Vamsi H., Srinivasan K., Ramesh R.K., Jayaraman K., Ramachandran P., Applied Sciences (Switzerland), Vol:12, Issue: 18, DOI: 10.3390/app12188927	2022	3	Article	20763417
86	Hardware implementation of approximate multipliers for signal processing applications, Konguvel E., Hariharan I., Sujatha R., Kannan M., International Journal of Wireless and Mobile Computing, Vol:23, Issue: 03-Apr, Pg.No:(302-309), DOI: 10.1504/ijwmc.2022.127595	2022	3	Article	17411084
87	An extensive review on quantum computers, S N., Singh H., N A.U., Advances in Engineering Software, Vol:174, DOI: 10.1016/j.advengsoft.2022.103337	2022	3	Article	9659978
88	Blind interference alignment: A comprehensive survey, Vivek Menon U., Selvaprabhu P., International Journal of Communication Systems, DOI: 10.1002/dac.5116	2022	3	Article	10745351
89	Evaluation of surgical skill using machine learning with optimal wearable sensor locations, Soangra R., Sivakumar R., Anirudh E.R., Reddy S.V.Y., John E.B., PLoS ONE, Vol:17, Issue: 06-Jun, DOI: 10.1371/journal.pone.0267936	2022	3	Article	19326203
90	A Cache Efficient One Hashing Blocked Bloom Filter (OHBB) for Random Strings and the K-mer Strings in DNA Sequence, Prakasam E., Manoharan A., Symmetry, Vol:14, Issue: 9, DOI: 10.3390/sym14091911	2022	2	Article	20738994
91	Hybrid LSTM-PCA-Powered Renewable Energy-Based Battery Life Prediction and Management for IoT Applications, Siva T., Beno A., Lanitha B., Yogalakshmi V., Manikandan M., Kumar S.S., Peroumal V., Darwin Nesakumar A., Prasad V.R.R., Journal of Nanomaterials, Vol:2022, DOI: 10.1155/2022/9807511	2022	2	Article	16874110
92	EEG-Based Anomaly Detection for Autistic Kids ? A Pilot Study, Radhakrishnan M., Boruah S., Ramamurthy K., Traitement du Signal, Vol:39, Issue: 3, Pg.No:(1005-1012), DOI: 10.18280/ts.390327	2022	2	Article	7650019
93	Fully printed MWCNT strain sensor over paper substrate for human motion monitoring, Thiagarajan K., Rajini G.K., Maji D., Flexible and Printed Electronics, Vol:7, Issue: 4, DOI: 10.1088/2058-8585/ac9488	2022	2	Article	20588585
94	Qualitative and Quantitative Detection of Food Adulteration Using a Smart E-Nose, Pulluri K.K., Kumar V.N., Sensors, Vol:22, Issue: 20, DOI: 10.3390/s22207789	2022	2	Article	14248220
95	Bandwidth enhancement of a planar SIW cavity-backed slot antenna using slot and metallic-shorting via, Chaturvedi D., Althuwayb A.A., Kumar A., Applied Physics A: Materials Science and Processing, Vol:128, Issue: 3, DOI: 10.1007/s00339-022-05309-2	2022	2	Article	9478396
96	Automatic liver tumor segmentation and identification using fully connected convolutional neural network from CT images, Vadlamudi S.H., Sai Souhith Reddy Y., Ajith Sai Kumar Reddy P., Periasamy P., Vali Mohamad N.M., Concurrency and Computation: Practice and Experience, DOI: 10.1002/cpe.7212	2022	2	Article	15320626
97	Substrate integrated waveguide (SIW) cavity-backed slot antenna with monopole-like radiation for vehicular communications, Althuwayb A.A., Chaturvedi D., Kumar A., Applied Physics A: Materials Science and Processing, Vol:128, Issue: 3, DOI: 10.1007/s00339-021-05203-3	2022	2	Article	9478396
98	Design of Antenna-Multiplexer for Seamless On-Body Internet of Medical Things (IoMT) Connectivity, Kumar A., Chaturvedi D., Rosaline S.I., IEEE Transactions on Circuits and Systems II: Express Briefs, DOI: 10.1109/TCSII.2022.3170513	2022	2	Article	15497747
99	Enhanced Resource Blocks Management in D2D based Communication for 5G Networks, Reddy M.K.K., Kanishka R., Nandakumar S., Velmurugan T., Wireless Personal Communications, DOI: 10.1007/s11277-022-09749-0	2022	2	Article	9296212
100	Current and future horizon of optics and photonics in environmental sustainability, Sridarshini T., Chidambaram P., Geerthana S., Balaji V.R., Thirumurugan A., Sitharthan, Madurakavi K., Dhanabalan S.S., Sustainable Computing: Informatics and Systems, Vol:36, DOI: 10.1016/j.suscom.2022.100815	2022	2	Article	22105379
101	Simultaneous minimization of side-band power and PAPR in OFDM based cognitive radio without additional bandwidth requirement for sending SI, Namitha A.S., Transactions on Emerging Telecommunications Technologies, DOI: 10.1002/ett.4513	2022	2	Article	21613915
102	Machine learning based prognostic model and mobile application software platform for predicting infection susceptibility of COVID-19 using healthcare data, Srivatsan R., Indi P.N., Agrahari S., Menon S., Ashok S.D., Research on Biomedical Engineering, DOI: 10.1007/s42600-020-00103-6	2022	2	Article	24464732
103	Giuseppe peano fractal loaded multiband antenna using parasitic strips for THz applications, Murali Krishna C., Suguna N., SaravanaKumar R., Rajasree S.A.A., Phani Ponnappalli V.L.N., Subbareddy M.K.V., Materials Today: Proceedings, Vol:66, Pg.No:(3675-3682), DOI: 10.1016/j.matpr.2022.07.382	2022	2	Article	22147853
104	Effect of substrate bending towards chemiresistive based hydrogen gas sensor using ZnO-decorated MgO nanocubes, Pradeep N., Gopal T.S., Venkatraman U., Alrebdi T.A., Pandiaraj S., Alodhayb A., Muthuramamoorthy M., Kim S.Y., Le Q.V., Khan S.H., Malathi A.C.J., Raghavan V., Grace A.N., Materials Today Chemistry, Vol:26, DOI: 10.1016/j.mtchem.2022.101200	2022	2	Article	24685194
105	Performance Analysis of Germanium-Silicon Vertical Tunnel Field-Effect Transistors (Ge-Si-VTFETs) for Analog/RF Applications, Ramkumar K., Ramakrishnan V.N., Silicon, DOI: 10.1007/s12633-022-01802-8	2022	2	Article	
106	Dynamic Physical Activity Recommendation Delivered through a Mobile Fitness App: A Deep Learning Approach, Vairavasundaram S., Varadarajan V., Srinivasan D., Balaganesh V., Damerla S.B., Swaminathan B., Ravi L., Axioms, Vol:11, Issue: 7, DOI: 10.3390/axioms11070346	2022	2	Article	20751680
107	Motorized Wheelchair with Bluetooth Control and Automatic Obstacle Avoidance, Derasari P.M., Sasikumar P., Wireless Personal Communications, DOI: 10.1007/s11277-021-09238-w	2022	2	Article	9296212
108	Swarm intelligence-based deep ensemble learning machine for efficient channel estimation in MIMO communication systems, Manasa B.M.R., Venugopal P., International Journal of Communication Systems, DOI: 10.1002/dac.5116	2022	2	Article	10745351
109	Transfer matrix optimization of a one-dimensional photonic crystal cavity for enhanced absorption of monolayer graphene, Sarkar S., Padhy A., Nayak C., Applied Optics, Vol:61, Issue: 29, Pg.No:(8613-8623), DOI: 10.1080/08962280.2022.2119254	2022	2	Article	1559128X
110	A Novel Tri-staged RIA Scheme for Cooperative Cell Edge Users in a Multi-cellular MIMO IMAC, Vivek Menon U., Selvaprabhu P., IEEE Access, Pg.No:(1-1), DOI: 10.1109/ACCESS.2022.3219254	2022	2	Article	21693536
111	Characterization and antimicrobial evaluation of green synthesized silver nanoparticle thin films with reusable applications, Kalangadan N., Mary A.S., Jyothi R.H., Punniyakoti S., Sundaresan S., Alagarsamy R.K., Rajaram K., Materials Letters, Vol:314, DOI: 10.1016/j.matlet.2022.131923	2022	2	Article	

112	Histogram and entropy oriented image coding for clustered wireless multimedia sensor networks (WMSNS), Matheen M.A., Sundar S., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-13060-2	2022	2	Article	13807501
113	A Leakage Reduction Charge Pump based Domino Logic for Low Power VLSI Circuits, Karthikeyan A.; Balaji S.; Santhakumar R.; Rajalakshmi S.; Jayakrishnan P., International Journal of Intelligent Systems and Applications in Engineering, Vol:10, Issue: 4, Pg.No:(211-215)	2022	2	Article	21476799
114	Replay spoof detection for speaker verification system using magnitude-phase-instantaneous frequency and energy features, Bharath K.P., Kumar M.R., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-12380-	2022	2	Article	13807501
115	Cantor Pairing lightweight key generation for wireless body area networks, Dharshini S., Subashini M.M., Smart Health, Vol:25, DOI: 10.1016/j.smhl.2022.100298	2022	2	Article	23526483
116	Effective Framework for Pulmonary Nodule Classification from CT Images Using the Modified Gradient Boosting Method, Donga H.V., Karlapati J.S.A.N., Desineedi H.S.S., Periasamy P., TR S., Applied Sciences (Switzerland), Vol:12, Issue: 16, DOI: 10.3390/app12168264	2022	1	Article	20763417
117	Realization of Microfluidic Preconcentrator for N-Pentane Traces Impurities from the Gaseous Media, Platonov V., Sharma P., Ledyayev M., Anikina M.A., Djuzhev N.A., Chinenkov M.Y., Tripathi N., Parveen S., Ahmad R., Pavelyev V., Melaibari A.A., Materials, Vol:15, Issue: 22, DOI: 10.3390/ma15228090	2022	1	Article	19961944
118	A Steganography Embedding Method Based on CDF-DWT Technique for Reversible Data Hiding Application Using Elgamal Algorithm, Upendra Raju K., Prabha Nagarajan A., International Journal of Foundations of Computer Science, DOI: 10.1142/S0129054122420011	2022	1	Article	1290541
119	A Bilayer SnO ₂ /MoS ₂ -Coated Evanescent Wave Fiber Optic Sensor for Acetone Detection?An Experimental Study, Prasanth A., Getachew S., Shewa T., Velumani M., Meher S.R., Alex Z.C., Biosensors, Vol:12, Issue: 9, DOI: 10.3390/bios12090734	2022	1	Article	20796374
120	Performance Enhancement of an Economically Operated DC Microgrid With a Neural Network?Based Tri-Port Converter for Rural Electrification, Sitharthan R., Madurakavi K., Jacob Raglend I., Palanisamy K., Belwin Edward J., Rajesh M., Dhanabalan S.S., Frontiers in Energy Research, Vol:10, DOI: 10.3389/fenrg.2022.943257	2022	1	Article	2296598X
121	CD-SemMF: Cross-domain semantic relatedness based matrix factorization model enabled with linked open data for user cold start issue, Natarajan S., Vairavasundaram S., Kotecha K., Indragandhi V., Palani S., Saini J.R., Ravi L., IEEE Access, Vol:10, Pg.No:(52955-52970), DOI: 10.1109/ACCESS.2022.3175566	2022	1	Article	21693536
122	Compact MIMO-Antenna with Enhanced Isolation for Ultra-Wide-Band and Ku-Band Applications, Kareemulla S., Kumar V., Journal of Communications Technology and Electronics, Vol:67, Issue: 1, Pg.No:(56-62), DOI: 10.1134/S1064226922010053	2022	1	Article	10642269
123	Deep convolutional neural network for binary regression of three-dimensional objects using information retrieved from digital Fresnel holograms, Mahesh R.N.U., Nelleri A., Applied Physics B: Lasers and Optics, Vol:128, Issue: 8, DOI: 10.1007/s00340-022-07877-w	2022	1	Article	9462171
124	Strain tunable quantum emission from atomic defects in hexagonal boron nitride for telecom-bands, Shaik A.B.D. A., Palla P., Scientific Reports, Vol:12, Issue: 1, DOI: 10.1038/s41598-022-26061-w	2022	1	Article	20452322
125	Short-term uncleaned signal to noise threshold ratio based end-to-end time domain speech enhancement in digital hearing aids, Nimmagadda P., Swamy K.A., Prathima S., Chintha S., Alex Z.C., Indonesian Journal of Electrical Engineering and Computer Science, Vol:27, Issue: 1, Pg.No:(131-138), DOI:	2022	1	Article	25024752
126	Resource allocation and optimization in D2D communication with PDRAPC framework, Babu A.N., Vishnu J., Nandakumar S., Velmurugan T., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-022-01299-3	2022	1	Article	19366442
127	Investigation on nanocore-centred nonlinear PCF for high nonlinearity and low dispersion, S C., T S., A R., Ceramics International, DOI: 10.1016/j.ceramint.2022.02.148	2022	1	Article	2728842
128	CROSS LAYERING USING REINFORCEMENT LEARNING IN COGNITIVE RADIO-BASED INDUSTRIAL INTERNET OF AD-HOC SENSOR NETWORK, Singhal C., Thanikaiselvan V., International Journal of Computer Networks and Communications, Vol:14, Issue: 4, DOI: 10.5121/ijcnc.2022.14401	2022	1	Article	9752293
129	An optimized architecture and algorithm for resource allocation in D2D aided fog computing, Ranjan H., Dwivedi A.K., Prakasam P., Peer-to-Peer Networking and Applications, DOI: 10.1007/s12083-022-01294-8	2022	1	Article	19366442
130	Performance of a cognitive device-to-device network in disaster situation under a collision constraint, Ghosh S., Bhowmick A., Chandra A., Roy S.D., Kundu S., International Journal of Communication Systems, DOI:	2022	1	Article	10745351
131	Classification of Electrocardiography Hybrid Convolutional Neural Network-Long Short Term Memory with Fully Connected Layer, Ramachandran D., Kumar R.S., Alkhayyat A., Malik R.Q., Srinivasan P., Priya G.G., Gosu Adigo A., Computational Intelligence and Neuroscience, Vol:2022, DOI: 10.1155/2022/6348424	2022	1	Article	16875265
132	Quality Assessment of Dual-Parallel Edge Deblocking Filter Architecture for HEVC/H.265, Christopher P.R., Sathasivam S., Applied Sciences (Switzerland), Vol:12, Issue: 24, DOI: 10.3390/app122412952	2022	1	Article	20763417
133	Design and Analysis of a Novel MEMS Touch Mode Convex Capacitive Pressure Sensor for Altimeter Applications, Sreekanth P.K., Jindal S.K., Nano, DOI: 10.1142/S1793292022501119	2022	1	Article	17932920
134	Hybrid MQTTNet: An Intrusion Detection System Using Heuristic-Based Optimal Feature Integration and Hybrid Fuzzy with 1DCNN, Vijayan P.M., Sundar S., Cybernetics and Systems, DOI: 10.1080/01969722.2022.2145649	2022	1	Article	1969722
135	Generic MGF-based tight approximation for the error rate analysis, Pratap Singh S., Singh S., Kumar A., Pandey A., Lakshmanan M., Mohammed N., V, Kumar S., International Journal of Communication Systems, DOI:	2022	1	Article	10745351
136	Design of microwave $\lambda/4$ (AlxGa 1 - x)2O3/Ga2O3lateral Schottky barrier diodes, Shaikshavali D., Kannadassan D., Semiconductor Science and Technology, Vol:37, Issue: 6, DOI: 10.1088/1361-6641/ac688e	2022	1	Article	2681242
137	Modeling Concurrent Vowel Scores Using the Time Delay Neural Network and Multitask Learning, Joshi A.A., Settibhaktini H., Chintanpalli A., IEEE/ACM Transactions on Audio Speech and Language Processing, Pg.No:(1-8), DOI: 10.1109/TASLP.2022.3192096	2022	1	Article	23299290
138	Development and validation of nonlinear dynamic engine airpath models for real-time advanced control application, Kamath R., Kopold R., Venkobarao V., Subramaniam C.K., International Journal of Engine Research, DOI: 10.1177/14680874211037766	2022	1	Article	14680874
139	Simulation and Fabrication of Micro-Electrode Arrays for Electrical Stimulation Induced Wound Healing, Harish Gnanasambanthan G., Maji D., IEEE Access, Pg.No:(1-1), DOI: 10.1109/ACCESS.2022.3229686	2022	1	Article	21693536

140	Error-free and mean value based reversible data hiding using gravitational search algorithm in encrypted images, Raju K.U., Prabha N.A., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-12419-9	2022	1	Article	13807501
141	Reliable before-fabrication forecasting of MEMS piezoresistive pressure sensor: mathematical modelling and numerical simulation, Jindal S.K., Patra R., Banerjee S., Paul A., Kanekal D., Kumar A., Microsystem Technologies, DOI: 10.1007/s00542-022-05305-9	2022	1	Article	9467076
142	Energy optimized resource and power allocation in an uplink-based underlay device-to-device communication for 5G network, Nagarajan R., Vali Mohamad N.M., International Journal of Communication Systems, DOI:	2022	1	Article	10745351
143	Inspecting and classifying physical failures in MEMS substrates during fabrication using computer vision, Raveendran S., Chandrasekhar A., Microelectronic Engineering, Vol:254, DOI: 10.1016/j.mee.2021.111696	2022	1	Article	1679317
144	Quality aware path finding algorithm for mixed line rates WDM/DWDM networks, Sahu S., Clement C.J., Journal of Optical Communications, DOI: 10.1515/joc-2022-0081	2022	1	Article	1734911
145	Si-SiO ₂ Clustery Random Photonic Crystal Based Thermo-Optic Sensor, Lakshmi Thara R., Priya P.A., Nayak C., Silicon, DOI: 10.1007/s12633-022-01984-1	2022	1	Article	1876990X
146	Rapid and Accurate Diagnosis of COVID-19 Cases from Chest X-ray Images through an Optimized Features Extraction Approach, Kumar K.G.S., Venkatesan A., Selvaraj D., Raj A.N.J., Electronics (Switzerland), Vol:11, Issue: 17, DOI: 10.3390/electronics11172682	2022	1	Article	20799292
147	WDSAE-DNDT BASED SPEECH FLUENCY DISORDER CLASSIFICATION, Pravin S.C., Palanivelan M., Malaysian Journal of Computer Science, Vol:35, Issue: 3, Pg.No:(222-242), DOI: 10.22452/mjcs.vol35no3.3	2022	1	Article	1279084
148	Improved transconductance multipath recycling folded cascode amplifier, Venishetty S.R., Sundaram K., Microsystem Technologies, DOI: 10.1007/s00542-022-05289-6	2022	1	Article	9467076
149	The Effectual Spectrum Defragmentation Algorithm with Holding Time Sensitivity in Elastic Optical Network (EON), Selva Kumar S., Kamalakannan J., Seetha R., Asha N., Raja K.T., Sree Dhariya S., Sucharitha M., Kalaivani S., International Journal of Optics, Vol:2022, DOI: 10.1155/2022/8160054	2022	1	Article	16879384
150	IoT Enabled Smart Logistics Vehicle using Semantic Communication, Sujatha R.; Mahaboob Basha S.; Sarala B.; Jasmine Hephzipah J.; Praveena N.G.; Siva Sundhara Raja D., International Journal of Intelligent Systems and Applications in Engineering, Vol:10, Issue: 4, Pg.No:(518-522)	2022	1	Article	21476799
151	New Image Encryption Method using Multiple Chaotic Map Computation and Irregular Diffusion Process, Kapinesh G., Kumar K.S., Gayatri K., Mohan T., Thanikaiselvan V., Subashanthini S., Amirtharajan R., Journal of Uncertain Systems, Vol:15, Issue: 3, DOI: 10.1142/S1752890922410082	2022	1	Article	17528909
152	Modulation instability induced supercontinuum generation in defective core photonic crystal fiber, Yupapin P., Sharafali A., Sreethu P., Sridarshini T., Adhikari D., Karthikeyan M., Optical and Quantum Electronics, Vol:54, Issue: 8, DOI: 10.1007/s11082-022-03840-3	2022	1	Article	3068919
153	Electronically beam switched conformal microstrip array antenna for 5G applications, Shaw M., Choukiker Y.K., International Journal of RF and Microwave Computer-Aided Engineering, DOI: 10.1002/mmce.23270	2022	0	Article	10964290
154	Neuron Network with a Synapse of CMOS transistor and Anti-Parallel Memristors for Low power Implementations, Rai V.K., Sakthivel R., Journal of Circuits, Systems and Computers, DOI:	2022	0	Article	2181266
155	Circularly polarized semicircle-shaped flexible bidirectional antenna for X-band RFID applications, Arun H., Govindanarayanan I., Applied Physics A: Materials Science and Processing, Vol:128, Issue: 8, DOI: 10.1007/s00339-022-05884-4	2022	0	Article	9478396
156	Design of Dual Mode AVA with Enhanced Radiation Characteristics, Sathishkumar N., Nandalal V., Natarajan R., Wireless Personal Communications, DOI: 10.1007/s11277-022-09708-9	2022	0	Article	9296212
157	Development of an Ensembled Meta-Deep Learning Model for Semantic Road-Scene Segmentation in an Unstructured Environment, Sivanandham S., Gunaseelan D.B., Applied Sciences (Switzerland), Vol:12, Issue: 23, DOI: 10.3390/app122312214	2022	0	Article	20763417
158	Conformal microstrip array antenna with the omnidirectional pattern for 5G applications, Shaw M., Choukiker Y.K., Microwave and Optical Technology Letters, DOI: 10.1002/mop.33414	2022	0	Article	8952477
159	Design of Bio-implantable Antenna Using Metamaterial Substrate, Patil K.S., Rufus E., Wireless Personal Communications, DOI: 10.1007/s11277-021-09414-y	2022	0	Article	9296212
160	Bit Error Rate Analysis of Physical Layer Network Coding Spatially Modulated Full-Duplex Nodes Based Bidirectional Wireless Relay Network, Rajesh R., Bagubali A., Sasikumar K., International Journal on Recent and Innovation Trends in Computing and Communication, Vol:10, Issue: 9, Pg.No:(7-14), DOI:	2022	0	Article	23218169
161	The effects of wrist position and radioulnar wrist compression on median nerve longitudinal mobility, Song K., Wang Y., Yi R., Lakshminarayanan K., Zhang G., Yao Y., Clinical Biomechanics, Vol:99, DOI:	2022	0	Article	2680033
162	APPLICATION OF TEXTURAL RADIOMICS AND KINETIC PARAMETERS TO QUANTIFY EARLY PHASE NEOADJUVANT CHEMOTHERAPY TREATMENT RESPONSE ON BREAST DYNAMIC CONTRAST ENHANCED MAGNETIC RESONANCE IMAGES, Moyya P.D., Asaithambi M., Biomedical Sciences Instrumentation, Vol:58, Issue: 2, Pg.No:(112-119), DOI: 10.34107/NSJX7335112	2022	0	Article	678856
163	Power Control Based BPM with CDS Scheduling for Downlink Transmission in LTE-A Networks, Shakir S.S.H., Rajesh A., Wireless Personal Communications, DOI: 10.1007/s11277-022-09683-1	2022	0	Article	9296212
164	A Novel Approach to Analyze the Resistance of the RRAM Based on the Conductive Nano Filament Length and Width Variation, Vijay H.M., Ramakrishnan V.N., Transactions on Electrical and Electronic Materials, DOI: 10.1007/s42341-021-00374-5	2022	0	Article	12297607
165	Fully automatic segmentation of LV from echocardiography images and calculation of ejection fraction using deep learning, Kulkarni P., Madathil D., International Journal of Biomedical Engineering and Technology, Vol:40, Issue: 3, Pg.No:(241-261), DOI: 10.1504/ijbet.2022.126495	2022	0	Article	17526418
166	Microstructural Analysis of Terbium Doped Zirconia and Its Biological Studies, Veerachamy S., Rajagopal S., Condensed Matter, Vol:7, Issue: 1, DOI: 10.3390/condmat7010020	2022	0	Article	24103896
167	Detecting heart ailments by investigating ECG with neural networks, Prabadevi B., Deepa N., Krithika L.B., Gulati R.R., Sivakumar R., International Journal of Medical Engineering and Informatics, Vol:14, Issue: 5, Pg.No:(414-423), DOI: 10.1504/IJMEI.2022.125314	2022	0	Article	17550653

168	EFFICIENT AND ACCURATE TARGET LOCALIZATION IN UNDERWATER ENVIRONMENT, Goutham B., Rithvik S., Aishwarya C., Sathish K., Ravikumar C.V., Sujatha R., ARPN Journal of Engineering and Applied Sciences, Vol:17, Issue: 17, Pg.No:(1622-1622)	2022	0	Article	18196608
169	COMPARATIVE ANALYSIS OF IGP PROTOCOLS OF AN ENTERPRISE NETWORK, Vishwesh G.S., Rithvik S., Reddy K.L., Ravikumar C.V., ARPN Journal of Engineering and Applied Sciences, Vol:17, Issue: 6, Pg.No:(712-718)	2022	0	Article	18196608
170	Optimization of Power-Aware Non-Linearity in Voltage-Controlled Resistive Switching Devices for Non-Volatile Memory Applications, Chakraverty M., Ramakrishnan V.N., IETE Journal of Research, DOI: 10.1080/03772063.2022.2132303	2022	0	Article	3772063
171	Precoded Large Scale Multi-User-MIMO System Using Likelihood Ascent Search for Signal Detection, Bagadi K., Ravikumar C.V., Alibakhshenari M., Challa N., Rajesh A., A?ssa S., Dayoub I., Falcone F., Limiti E., Radio Science, Vol:57, Issue: 12, DOI: 10.1029/2022RS007573	2022	0	Article	486604
172	Hand hygiene monitoring and compliance system using convolution neural networks, Nagar A., Kumar M.A., Vaegae N.K., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-11926-z	2022	0	Article	13807501
173	A comparative analysis of masking empirical mode decomposition and a neural network with feed-forward and back propagation along with masking empirical mode decomposition to improve the classification performance for a reliable brain-computer interface, Jaipriya D., Sriharipriya K.C., Frontiers in Computational Neuroscience, Vol:16, DOI: 10.3389/fncom.2022.1010770	2022	0	Article	16625188
174	Posture dependent factors influence movement variability when reaching to nearby virtual objects, Phataraphruk P., Rahman Q., Lakshminarayanan K., Fruchtman M., Frontiers in Neuroscience, Vol:16, DOI:	2022	0	Article	1662453X
175	Omnidirectional conformal microstrip array antenna with electronically beam switching capabilities for 5G applications, Shaw M., Choukiker Y.K., AEU - International Journal of Electronics and Communications, Vol:151, DOI: 10.1016/j.aeue.2022.154226	2022	0	Article	14348411
176	UPLINK RESOURCE ALLOCATION FOR DEVICE- TO-DEVICE COMMUNICATION IN LTE-A NETWORK, Noor Mohammed V., Banka V., Jaiswal S., Lakshmanan M., Senthilkumar K., Palanivelan M., Journal of Engineering Science and Technology, Vol:17, Issue: 3, Pg.No:(1833-1844)	2022	0	Article	18234690
177	EVALUATION OF MEDICAL GRADE INFUSION PUMP PARAMETER USING GAUSSIAN PROCESS REGRESSION, Alamelu J.V., Asaithambi M., Biomedical Sciences Instrumentation, Vol:58, Issue: 2, Pg.No:(59-66), DOI:	2022	0	Article	678856
178	COVID-19 Data Analytics Using Extended Convolutional Technique, Gupta A.K., Srinivasulu A., Oyerinde O.O., Pau G., Ravikumar C.V., Interdisciplinary Perspectives on Infectious Diseases, Vol:2022, DOI: 10.1155/2022/4578838	2022	0	Article	1687708X
179	Geometrical Variation of a Conductive Filament in RRAM and Its Impact on a Single-Event Upset, Vijay H.M., Ramakrishnan V.N., ECTI Transactions on Electrical Engineering, Electronics, and Communications, Vol:20, Issue: 1, Pg.No:(32-38), DOI: 10.37936/ecti-eeec.2022201.246101	2022	0	Article	16859545
180	Traffic flow forecasting using natural selection based hybrid Bald Eagle Search-Grey Wolf optimization algorithm, R S., S A A., Y V R.R., Sadiq A.S., PloS one, Vol:17, Issue: 9, Pg.No:(e0275104-), DOI:	2022	0	Article	19326203
181	Consideration of Engineered Ground Planes for Planar Antennas: Their Effects and Applications, A Review., Dwivedy B., IEEE Access, Pg.No:(1-1), DOI: 10.1109/ACCESS.2022.3195507	2022	0	Article	21693536
182	Circularly polarized high gain Koch fractal antenna for space applications, Pandav S., Sadhukhan G., Das T.K., Behera S.K., Mohanty M., Sadhana - Academy Proceedings in Engineering Sciences, Vol:47, Issue: 4, DOI: 10.1007/s12046-022-02047-2	2022	0	Article	2562499
183	Rhythms-Based Coherence Analysis Between Brain and Heart of Sleep Disorder Samples using MSC, Rajesh P., Kumar V.N., International Journal of Engineering Trends and Technology, Vol:70, Issue: 6, Pg.No:(287-299), DOI: 10.14445/22315381/IJETT-V70I6P230	2022	0	Article	23490918
184	SiGe vertical NW GAA TFET with improved current and low leakage, Anand A., Nair A.R., Sreekumar V., Sadasivan V., Ramakrishnan V.N., Materials Today: Proceedings, DOI: 10.1016/j.matpr.2022.05.414	2022	0	Article	22147853
185	Investigation of low- and high-grade tumors in evaluating the neoadjuvant chemotherapy treatment response using breast DCE MR images, Priyadarshini B., Moyya P.D., Asaithambi M., Ramaniharan A.K., Biomedical Sciences Instrumentation, Vol:58, Issue: 2, Pg.No:(104-111), DOI: 10.34107/NSJX7335104	2022	0	Article	678856
186	INVESTIGATION OF REFLECTION BANDS OF 1D ANNULAR PHOTONIC CRYSTAL CONTAINING DOUBLE NEGATIVE INDEX MATERIAL AND NON-MAGNETIZED PLASMA [VIENMA?IO ?IEDINIO FOTONINIO KRISTALO I? NEIGIAM? SKVARB? MED?IAGOS IR NE?MAGNETINTOS PLAZMOS ATPIND?IO JUOST? TYRIMAS], Aghajamali A., Srivastava S.K., Nayak C., Lithuanian Journal of Physics, Vol:62, Issue: 3, Pg.No:(138-147), DOI: 10.3952/physics.v62i3.4797	2022	0	Article	16488504
187	Machine Learning Methods to Investigate Drug Delivery in Infusion Pump, Alamelu J.V., Mythili A., International Journal of Biology and Biomedical Engineering, Vol:16, Pg.No:(30-37), DOI: 10.46300/91011.2022.16.5	2022	0	Article	19984510
188	ANALYSIS OF NEOADJUVANT CHEMOTHERAPY TREATMENT RESPONSE IN BREAST DCE MRI PATIENTS BASED ON ESTROGEN RECEPTOR STATUS AND GABOR FILTER DERIVED ANISOTROPY INDEX, Moyya P.D., Asaithambi M., Ramaniharan A.K., Biomedical Sciences Instrumentation, Vol:58, Issue: 2, Pg.No:(96-103), DOI:	2022	0	Article	678856
189	Marathi Speech Intelligibility Enhancement Using I-AMS Based Neuro-Fuzzy Classifier Approach for Hearing Aid Users, Patil P.G., Jaware T.H., Patil S.P., Badgujar R.D., Albu F., Mahariq I., Al-Sheikh B., Nayak C., IEEE Access, Vol:10, Pg.No:(123028-123042), DOI: 10.1109/ACCESS.2022.3223365	2022	0	Article	21693536
190	Unique 3D metamaterial split ring resonator for wireless communication with high negative refractive index and for medium ratio, Husna Khouser G., Choukiker Y.K., Waves in Random and Complex Media, DOI: 10.1080/17455030.2022.2118391	2022	0	Article	17455030
191	An improved variational mode decomposition for seismic random noise attenuation using grasshopper optimization via shape dynamic time warping, Geetha K., Hota M.K., Journal of Applied Geophysics, Vol:205, DOI: 10.1016/j.jappgeo.2022.104759	2022	0	Article	9269851
192	Quantitative Analysis of Breast Cancer NACT Response on DCE-MRI Using Gabor Filter Derived Radiomic Features, Moyya P.D., Asaithambi M., International journal of online and biomedical engineering, Vol:18, Issue: 12, Pg.No:(106-122), DOI: 10.3991/ijoe.v18i12.32501	2022	0	Article	26268493
193	Control Strategies for the COVID-19 Infection Wave in India: A Mathematical Model Incorporating Vaccine Effectiveness, Sivadas N.A., Panda P., Mahajan A., IEEE Transactions on Computational Social Systems, Pg.No:(1-11), DOI: 10.1109/TCSS.2022.3210404	2022	0	Article	2329924X

194	Design of negative refractive index 3D metamaterial split ring resonator for IoT applications, Khouser G.H., Choukiker Y.K., Microwave and Optical Technology Letters, DOI: 10.1002/mop.33443	2022	0	Article	8952477
195	An effective fast conventional pattern measure-based suffix feature selection to search gene expression data, Surendar A., Arun M., Basha M., International Journal of Biomedical Engineering and Technology, Vol:39, Issue: 3, Pg.No:(249-262), DOI: 10.1504/IJBET.2022.124186	2022	0	Article	17526418
196	Design and verification of an ARM Watchdog Timer using UVM, Ragamathana R., Prathiba A., Basha S.C., International Journal of High Performance Systems Architecture, Vol:11, Issue: 2, Pg.No:(85-95), DOI:	2022	0	Article	17516528
197	A Vertical Handoff Technique using Context Transfer Cross-Layer P-SIP Scheme for IMS based LTE-WiMAX Architecture, Bagubali A., Rajesh R., SasiKumar K., Baradeswaran A., Krishnan K.V., International Journal on Recent and Innovation Trends in Computing and Communication, Vol:10, Issue: 9, Pg.No:(15-25), DOI: 10.17762/ijritcc.v10i9.5641	2022	0	Article	23218169
198	A Smartphone Application for Skin Lesion Detection and Classification with Deep Learning Algorithms, Mary X.A., Winifred P., Evangeline C.S., Kumaravelu V.B., Karthik C., Chowdhury S., Rabie K., Thu B.T., Tung V.D., International Journal of Intelligent Systems and Applications in Engineering, Vol:10, Issue: 3, Pg.No:(34-39)	2022	0	Article	21476799
199	Average spectral efficiency of multi-pulse position with adaptive transmissions and aperture averaging over atmospheric turbulence, Magidi S., Jabeena A., Journal of Optical Communications, DOI: 10.1515/joc-2021-0139	2022	0	Article	1734911
200	A SECURE AND HIGH CAPACITY PVD STEGANOGRAPHY SCHEME USING COMPRESSION, RSA AND QKD, Kalyan K.; Nayanesh G.; Puneeth G.; Ravikumar C.V.; Bagadi K., ARPN Journal of Engineering and Applied Sciences, Vol:17, Issue: 18, Pg.No:(1674-1683)	2022	0	Article	18196608
201	The 100 most cited articles on wearable technology in the area of Medical Informatics: A bibliometric analysis using Web of Science, Alamelu J.V., Mythili A., EAI Endorsed Transactions on Pervasive Health and Technology, Vol:8, Issue: 5, DOI: 10.4108/eetpht.v8i5.3171	2022	0	Article	24117145
202	STUDY OF ELECTRONIC PROPERTIES FOR PURE AND DOPED A-TIO2 USING MGGA: AN AB-INITIO APPROACH, Dash D., Composites: Mechanics, Computations, Applications, Vol:13, Issue: 3, Pg.No:(133-145), DOI: 10.1615/CompMechComputApplIntJ.2022043158	2022	0	Article	21522057
203	SMART HELMET USING IoT, Jitesh K., Prakash T.R., Saiteja T., Ravikumar C.V., Pankaj N.R., ARPN Journal of Engineering and Applied Sciences, Vol:17, Issue: 16, Pg.No:(1527-1534)	2022	0	Article	18196608
204	Efficient in-depth analysis and optimum design parameter estimation of MEMS capacitive pressure sensor utilizing analytical approach for square diaphragm, Jindal S.K., Patel I., Sethi K., Kaul S., Sreekanth P.K., Kumar A., Journal of Computational Electronics, DOI: 10.1007/s10825-022-01896-8	2022	0	Article	15698025
205	Performance Improvement of K-mer counting in DNA Sequence using Cache efficient Bloom filter and recursive hash function, Prakasam E., Manoharan A., International Journal of Computing and Digital Systems, Vol:12, Issue: 1, Pg.No:(1019-1027), DOI: 10.12785/ijcnds/120182	2022	0	Article	2210142X
206	Parallel relay-assisted free-space optical communication using multi-pulse position modulation over the generalized turbulence channel model, Magidi S., Jabeena A., Journal of Optics (India), DOI: 10.1007/s12596-021-	2022	0	Article	9728821
207	Influence of trap carriers in SiO2/HfO2 stacked dielectric cylindrical gate tunnel fet, Anand I.V., Samuel T.S.A., Ramakrishnan V.N., Ram Kumar K., Silicon, DOI: 10.1007/s12633-021-01263-5	2022	0	Article	
208	Influence of thickness on DC conduction studies of vacuum evaporated ZnTe thin films, Amutha R., SureshKumar T.R., Materials Today: Proceedings, DOI: 10.1016/j.matpr.2022.09.414	2022	0	Article	22147853
209	IMAGE ENHANCEMENT AND DE-NOISING TECHNIQUES OF MAGNETIC RESONANCE IMAGES, Jayanthi V., Sivakumar S., ASEAN Engineering Journal, Vol:12, Issue: 3, DOI: 10.11113/AEJ.V12.18145	2022	0	Article	25869159
210	Conductive Filament Variation of RRAM and Its Impact on Single Event Upset, Vijay H.M., Ramakrishnan V.N., Transactions on Electrical and Electronic Materials, DOI: 10.1007/s42341-021-00343-y	2022	0	Article	12297607
211	Efficient Bandwidth Allocation for NG-PON2 based on GBA, Rajalakshmi S.; Balaji S.; Karthigeyan A.; Santhakumar R., International Journal of Intelligent Systems and Applications in Engineering, Vol:10, Issue: 4, Pg.No:(216-223)	2022	0	Article	21476799
212	Drowsiness and Real-time Road Condition Detection using Heart Rate Sensor, Accelerometer and Gyroscope, Sekar K., Thilleban R., Padmini T.N., International Journal of Computing and Digital Systems, Vol:12, Issue: 1, Pg.No:(1277-1285), DOI: 10.12785/ijcnds/1201102	2022	0	Article	2210142X
347	Correction to: Histogram and entropy oriented image coding for clustered wireless multimedia sensor networks (WMSNS) (Multimedia Tools and Applications, (2022), 10.1007/s11042-022-13060-2), Matheen M.A., Sundar S., Multimedia Tools and Applications, DOI: 10.1007/s11042-022-13191-6	2022	0	Erratum	13807501
348	Machine learning and artificial intelligence based Diabetes Mellitus detection and self-management: A systematic review, Chaki J., Thillai Ganesh S., Cidham S.K., Ananda Theertan S., Journal of King Saud University - Computer and Information Sciences, DOI: 10.1016/j.jksuci.2020.06.013	2022	87	Review	13191578
349	Recent progress and growth in biosensors technology: A critical review, Chadha U., Bhardwaj P., Agarwal R., Rawat P., Agarwal R., Gupta I., Panjwani M., Singh S., Ahuja C., Selvaraj S.K., Banavoth M., Sonar P., Badoni B., Chakravorty A., Journal of Industrial and Engineering Chemistry, Vol:109, Pg.No:(21-51), DOI:	2022	60	Review	1226086X
350	Electrode Materials for Supercapacitors in Hybrid Electric Vehicles: Challenges and Current Progress, Rajagopal S., Pulapparambil Vallikkattil R., Mohamed Ibrahim M., Velev D.G., Condensed Matter, Vol:7, Issue: 1, DOI: 10.3390/condmat7010006	2022	51	Review	24103896
351	Review - Contemporary Progresses in Carbon-Based Electrode Material in Li-S Batteries, Chadha U., Bhardwaj P., Padmanaban S., Suneel R.M., Milton K., Subair N., Pandey A., Khanna M., Srivastava D., Mathew R.M., Selvaraj S.K., Banavoth M., Sonar P., Badoni B., Rao N.S., Kumar S.G., Ray A.K., Kumar A., Journal of the Electrochemical Society, Vol:169, Issue: 2, DOI: 10.1149/1945-7111/ac4cd7	2022	21	Review	134651
352	Current Trends and Future Perspectives of Nanomaterials in Food Packaging Application, Chadha U., Bhardwaj P., Selvaraj S.K., Arasu K., Praveena S., Pavan A., Khanna M., Singh P., Singh S., Chakravorty A., Badoni B., Banavoth M., Sonar P., Paramasivam V., Journal of Nanomaterials, Vol:2022, DOI: 10.1155/2022/2745416	2022	17	Review	16874110
353	A Survey of Machine Learning in Friction Stir Welding, including Unresolved Issues and Future Research Directions, Chadha U., Selvaraj S.K., Gunreddy N., Sanjay Babu S., Mishra S., Padala D., Shashank M., Mathew R.M., Kishore S.R., Panigrahi S., Nagalakshmi R., Kumar R.L., Adefris A., Material Design and Processing Communications, Vol:2022, DOI: 10.1155/2022/2568347	2022	14	Review	25776576

354	Industrial internet of things in intelligent manufacturing: a review, approaches, opportunities, open challenges, and future directions, Gupta P., Krishna C., Rajesh R., Ananthakrishnan A., Vishnuvardhan A., Patel S.S., Kapruan C., Brahmabhatt S., Kataray T., Narayanan D., Chadha U., Alam A., Selvaraj S.K., Karthikeyan B., Nagalakshmi R., Chandramohan V., International Journal on Interactive Design and Manufacturing, DOI: 10.1007/s12008-022-	2022	13	Review	19552513
355	Nanomaterials for Electromagnetic Interference Shielding Applications: A Review, Tiwari A., Tiwari A., Bhatia A., Chadha U., Kandregula S., Selvaraj S.K., Bhardwaj P., Nano, DOI: 10.1142/S1793292022300018	2022	13	Review	17932920
356	Review - Chemical Structures and Stability of Carbon-doped Graphene Nanomaterials and the Growth Temperature of Carbon Nanomaterials Grown by Chemical Vapor Deposition for Electrochemical Catalysis Reactions, Chadha U., Sinha S., Jonna J., Goswami M., Ghani H., Nair K., Pandey N., Kataray T., Selvaraj S.K., Bhardwaj P., Banavoth M., Sonar P., ECS Journal of Solid State Science and Technology, Vol:11, Issue: 4, DOI:	2022	11	Review	21628769
357	Porous dielectric materials based wearable capacitance pressure sensors for vital signs monitoring: A review, Chittibabu S.K., Chintagumpala K., Chandrasekhar A., Materials Science in Semiconductor Processing, Vol:151, DOI: 10.1016/j.mssp.2022.106976	2022	10	Review	13698001
358	The face behind the Covid-19 mask ? A comprehensive review, Ganesapillai M., Mondal B., Sarkar I., Sinha A., Ray S.S., Kwon Y.-N., Nakamura K., Govardhan K., Environmental Technology and Innovation, Vol:28, DOI: 10.1016/j.eti.2022.102837	2022	10	Review	23521864
359	Review - Latest Trends and Advancement in Porous Carbon for Biowaste Organization and Utilization, Kulkarni K., Chadha U., Yadav S., Tarun D.M., Thenmukilan K.G., Bhardwaj P., Singh S., Chakravorty A., Ahuja C., Latha S., Ray A.K., Badoni B., Rao N.S., Madan C., Banavoth M., Sonar P., ECS Journal of Solid State Science and Technology, Vol:11, Issue: 1, DOI: 10.1149/2162-8777/ac438a	2022	9	Review	21628769
360	Directed Energy Deposition via Artificial Intelligence-Enabled Approaches, Chadha U., Selvaraj S.K., Lamsal A.S., Maddini Y., Ravinuthala A.K., Choudhary B., Mishra A., Padala D., Shashank M., Lahoti V., Adefris A., Dhanalakshmi S., Complexity, Vol:2022, DOI: 10.1155/2022/2767371	2022	8	Review	10762787
361	Role of Carbon-Based Nanomaterials in Enhancing the Performance of Energy Storage Devices: Design Small and Store Big, Yogeswari B., Khan I., Kumar M.S., Vijayanandam N., Devarani P.A., Anandaram H., Chaturvedi A., Misganaw W., Journal of Nanomaterials, Vol:2022, DOI: 10.1155/2022/4949916	2022	8	Review	16874110
362	Intrinsically conducting polymers in flexible and stretchable resistive strain sensors: a review, Raman S., Ravi Sankar A., Journal of Materials Science, Vol:57, Issue: 28, Pg.No:(13152-13178), DOI: 10.1007/s10853-022-07479-	2022	8	Review	222461
363	IoT Multimedia Sensors for Energy Efficiency and Security: A Review of QoS Aware and Methods in Wireless Multimedia Sensor Networks, Matheen M.A., Sundar S., International Journal of Wireless Information Networks, DOI: 10.1007/s10776-022-00567-6	2022	6	Review	10689605
364	Nanomaterial-Based Sensors for Exhaled Breath Analysis: A Review, Velumani M., Prasanth A., Narasimman S., Chandrasekhar A., Sampson A., Meher S.R., Rajalingam S., Rufus E., Alex Z.C., Coatings, Vol:12, Issue: 12, DOI: 10.3390/coatings12121989	2022	4	Review	20796412
365	Theoretical progresses in silicon anode substitutes for Lithium-ion batteries, Chadha U., Hafiz M., Bhardwaj P., Padmanaban S., Sinha S., Hariharan S., Kabra D., Venkatarangan V., Khanna M., Selvaraj S.K., Banavoth M., Sonar P., Badoni B., R V., Journal of Energy Storage, Vol:55, DOI: 10.1016/j.est.2022.105352	2022	4	Review	2352152X
366	Comprehensive Study of all-in-one Simultaneous Multiple Optical Logic Gate Devices Using Mach-Zehnder Interferometer based on the Electro-optic Effect, Kumar M., Kumar A., Jindal S.K., Raghuvanshi S.K., IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), DOI:	2022	4	Review	2564602
367	Review on Unmanned Aerial Vehicle Assisted Sensor Node Localization in Wireless Networks: Soft Computing Approaches, Annepu V., Sona D.R., Ravikumar C.V., Bagadi K., Alibakhshikenari M., Althuwayb A.A., Alali B., Virdee B.S., Pau G., Dayoub I., See C.H., Falcone F., IEEE Access, Vol:10, Pg.No:(132875-132894), DOI: 10.1109/ACCESS.2022.3230661	2022	4	Review	21693536
368	Review on the wearable health-care monitoring system with robust motion artifacts reduction techniques, Prabakaran A., Rufus E., Sensor Review, DOI: 10.1108/SR-05-2021-0150	2022	2	Review	2602288
369	Analysis of Security Issues in Wireless Body Area Networks in Heterogeneous Networks, Muthuvel S., Rajagopal S., Subramaniam S.K., Sensors, Vol:22, Issue: 19, DOI: 10.3390/s22197588	2022	2	Review	14248220
370	Recent advances in cuprous oxide thin film based photovoltaics, Lakshmanan A., Alex Z.C., Meher S.R., Materials Today Sustainability, Vol:20, DOI: 10.1016/j.mtsust.2022.100244	2022	1	Review	25892347
371	A Technical Survey on Delay Defects in Nanoscale Digital VLSI Circuits, Muthukrishnan P., Sathasivam S., Applied Sciences (Switzerland), Vol:12, Issue: 18, DOI: 10.3390/app12189103	2022	1	Review	20763417
372	Radiomics-Quantitative Biomarker Analysis for Breast Cancer Diagnosis and Prediction: A Review, Moyya P.D., Asaithambi M., Current Medical Imaging, Vol:18, Issue: 1, Pg.No:(3-17), DOI:	2022	2	Short Survey	15734056