

VIT-AP University
List of Scopus Publications as on 03-05-2022

Sl. No.	Authors	Title	Source title	Vol (Year) Page No.	Cited by
1	Prameela M., Lakshmi D.V., Gurejala J.R.	Influence of thermal radiation on mhd fluid flow over a sphere	Biointerface Research in Applied Chemistry	12(2022)6978 - 6990	
2	Sahu S.K., Badgayan N.D., Sreekanth P.S.R.	Rheological properties of hdpe based thermoplastic polymeric nanocomposite reinforced with multidimensional carbon-based nanofillers	Biointerface Research in Applied Chemistry	12(2022)5709 - 5715	2
3	Satya S.K., Sreekanth P.S.R.	Morphological, thermal and viscoelastic behavior of recycled high density polyethylene nanocomposite incorporated with 1D/2D nanofillers	Iranian Polymer Journal (English Edition)	31(2022)629 - 640	
4	Saha R., Panda D.K., Goswami R., Bhowmick B., Baishya S.	DC and RF/analog parameters in Ge-source split drain-ZHP-TFET: Drain and pocket engineering technique	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	35(2022)	1
5	Nagarajan S.M., Deverajan G.G., Bashir A.K., Mahapatra R.P., Al-Numay M.S.	IADF-CPS: Intelligent Anomaly Detection Framework towards Cyber Physical Systems	Computer Communications	188(2022)81 - 89	
6	Adhikari A., Dutta B., Dutta A.	Finding most informative common ancestor in cross-ontological semantic similarity assessment: An intrinsic information content-based approach	Expert Systems with Applications	192(2022)	
7	Kolisetty S.S., Rao B.S.	Scalable epidemic message passing interface fault tolerance	Bulletin of Electrical Engineering and Informatics	11(2022)998 - 1006	
8	Aparna N.D., Tambe P.	Boron Nitride Nanosheets Reinforced Thermoplastics Nanocomposites for Thermal Management Applications: A Mini Review	Macromolecular Symposia	402(2022)	
9	Das D., Sethuraman S.C., Satapathy S.C.	A decentralized open web cryptographic standard	Computers and Electrical Engineering	99(2022)	
10	Yesaswi C.S., Sreekanth P.S.R.	Characterisation of Silver-coated Teflon fabric-reinforced Nafion ionic polymer metal composite with carbon nanotubes and graphene nanoparticles	Iranian Polymer Journal (English Edition)	31(2022)485 - 502	
11	Bhukya R., Kumari A., Amilpur S., Dasari C.M.	PPred-PCKSM: A multi-layer predictor for identifying promoter and its variants using position based features	Computational Biology and Chemistry	97(2022)	1
12	Chakraborty D.B., Detani V., Parshv Jigneshkumar S.	Q-rough sets, flicker modeling and unsupervised fire threat quantification from videos	Displays	72(2022)	
13	Tripathi D., Reddy B.R., Shukla A.K.	CFR: collaborative feature ranking for improving the performance of credit scoring data classification	Computing	104(2022)893 - 923	
14	Vijayakumar G., Chandar N.R., Tamilavan V., Said Z., Paramasivam R.	Physical and charge discharge behavior of facile PVDF-HFP nanocomposite microporous polymer electrolyte for lithium ion polymer batteries	Journal of Materials Science: Materials in Electronics	33(2022)8594 - 8606	3
15	Melvin A.A.R., Kathrine G.J.W., Ilango S.S., Vimal S., Rho S., Xiong N.N., Nam Y.	Dynamic malware attack dataset leveraging virtual machine monitor audit data for the detection of intrusions in cloud	Transactions on Emerging Telecommunications Technologies	33(2022)	
16	Jena B., Bhol K., Nanda U., Tayal S., Routray S.R.	Performance Analysis of Ferroelectric GAA MOSFET with Metal Grain Work Function Variability	Silicon	14(2022)3005 - 3012	6

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17	Das S.K., Nanda U., Biswal S.M., Pandey C.K., Giri L.I.	Performance Analysis of Gate-Stack Dual-Material DG MOSFET Using Work-Function Modulation Technique for Lower Technology Nodes	Silicon	14(2022)2965 - 2973	5
18	Hemaja V., Panda D.K.	A Comprehensive Review on High Electron Mobility Transistor (HEMT) Based Biosensors: Recent Advances and Future Prospects and its Comparison with Si-Based Biosensor	Silicon	14(2022)1873 - 1886	2
19	Kumar V.P., Panda D.K.	Review - Next Generation 2D Material Molybdenum Disulfide (MoS ₂): Properties, Applications and Challenges	ECS Journal of Solid State Science and Technology	11(2022)	
20	Roy B., Karmakar A., Chakraborty U.	Planar Switched Beam Network Using Butler Matrix on a Single Layer Substrate for Modern Wireless Communications	Radio Science	57(2022)	
21	Treanță S., Jha S., Khan M.B., Saeed T.	On Some Constrained Optimization Problems	Mathematics	10(2022)	
22	Kumar K.V., Harikiran J.	Privacy preserving human activity recognition framework using an optimized prediction algorithm	IAES International Journal of Artificial Intelligence	11(2022)254 - 264	
23	Eluru R., Mohanty D.K.	Numerical analysis of heat transfer performances of a serpentine heat pipe with nano-based magnetic and non-magnetic operating fluids	Nanotechnology for Environmental Engineering	7(2022)75 - 87	
24	Moganti G.L.K., Siva Praneeth V.N., Vanjari S.R.K.	A Hybrid Bipolar Active Charge Balancing Technique with Adaptive Electrode Tissue Interface (ETI) Impedance Variations for Facial Paralysis Patients	Sensors	22(2022)	
25	Dudekula U., Purnachand N.	Linear fusion approach to convolutional neural networks for facial emotion recognition	Indonesian Journal of Electrical Engineering and Computer Science	25(2022)1489 - 1500	
26	Sivangi K.B., Dasari C.M., Amilpur S., Bhukya R.	NoAS-DS: Neural optimal architecture search for detection of diverse DNA signals	Neural Networks	147(2022)63 - 71	
27	Sonti K., Dhuli D.R.	Shape and texture based identification of glaucoma from retinal fundus images	Biomedical Signal Processing and Control	73(2022)	
28	Kumar Y.R., Khadheer Pasha S.K.	Synergistic effect of barium titanate nanoparticles and graphene quantum dots on the dielectric properties and conductivity of poly(vinylidene fluoride-co-hexafluoroethylene) films	Environmental Research	204(2022)	1
29	Reddy B.S., Maurya A.K., Narayana P.L., Pasha S.K.K., Reddy M.R., Hatshan M.R., Darwish N.M., Kori S.A., Cho K.-K., Reddy N.S.	Knowledge extraction of sonophotocatalytic treatment for acid blue 113 dye removal by artificial neural networks	Environmental Research	204(2022)	
30	Peddakrishna S., Kollipara V., Kumar J., Khan T.	Slot and EBG-Loaded Compact Quad Band-Notched UWB Antenna	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	46(2022)205 - 212	
31	Prajapati A.K., Prasad R.	A New Generalized Pole Clustering-Based Model Reduction Technique and Its Application for Design of Controllers	Circuits, Systems, and Signal Processing	41(2022)1497 - 1529	1
32	Tripathi D., Shukla A.K., Reddy B.R., Bopche G.S., Chandramohan D.	Credit Scoring Models Using Ensemble Learning and Classification Approaches: A Comprehensive Survey	Wireless Personal Communications	123(2022)785 - 812	
33	Tummala B.M., Barpanda S.S.	Liver tumor segmentation from computed tomography images using multiscale residual dilated encoder-decoder network	International Journal of Imaging Systems and Technology	32(2022)600 - 613	1

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34	Gaddam S., Gudi T., Porwal K.	Two new approaches for solving elliptic obstacle problems using discontinuous Galerkin methods	BIT Numerical Mathematics	62(2022)89 - 124	
35	Shukla A.K.	An Efficient Hybrid Evolutionary Approach for Identification of Zero-Day Attacks on Wired/Wireless Network System	Wireless Personal Communications	123(2022)	2
36	Panda D.K., Lenka T.R.	Analytical model development of channel potential, electric field, threshold voltage and drain current for gate workfunction engineered short channel E-mode N-polar GaN MOS-HEMT	Microsystem Technologies	28(2022)675 - 682	
37	Salins S.S., Reddy S.V.K., Kumar S.	Modelling of a multistage reciprocating humidifier and performance analysis for various packing configurations	Energy	241(2022)	1
38	Thotakura V.P., Purnachand N.	Multi-class SVM based C3D framework for real-Time anomaly detection	Journal of Scientific and Industrial Research	81(2022)166 - 172	
39	Dasari K.B., Devarakonda N.	TCP/UDP-Based Exploitation DDoS Attacks Detection Using AI Classification Algorithms with Common Uncorrelated Feature Subset Selected by Pearson, Spearman and Kendall Correlation Methods	Revue d'Intelligence Artificielle	36(2022)61 - 71	
40	Bhol K., Nanda U., Jena B., Tayal S., Biswal S.M.	Development of an analytical model of work function modulated GAA MOSFET for electrostatic performance analysis	Physica Scripta	97(2022)	
41	Raju M.S.N., Rao B.S.	Colorectal multi-class image classification using deep learning models	Bulletin of Electrical Engineering and Informatics	11(2022)195 - 200	
42	Buragadda S., Rani K.S., Vasantha S.V., Chakravarthi M.K.	HCUGAN: Hybrid Cyclic UNET GAN for Generating Augmented Synthetic Images of Chest X-Ray Images for Multi Classification of Lung Diseases	International Journal of Engineering Trends and Technology	70(2022)229 - 238	
43	Shaik T., Dhuli R.	Outage performance of multi cell-NOMA network over Rician/Rayleigh faded channels in interference limited scenario	AEU - International Journal of Electronics and Communications	145(2022)	
44	Abass Sofi M., Sunitha S., Ashaq Sofi M., Khadheer Pasha S.K., Choi D.	An overview of antimicrobial and anticancer potential of silver nanoparticles	Journal of King Saud University - Science	34(2022)	1
45	Ghosh A., Sen A., Dutta K., Ghosh P.	Falling "fortresses": Unlocking Governance Entanglements and Shifting Knowledge Paradigms to Counter Climate Change Threats in Biodiversity Conservation	Environmental Management	69(2022)305 - 322	
46	BharathiDevi B., Kumar J.	Small frequency range discrete bandwidth tunable multiband MIMO antenna for radio/LTE/ISM-2.4 GHz band applications	AEU - International Journal of Electronics and Communications	144(2022)	1
47	Thaherbasha S., Dhuli R.	Outage performance of NOMA over α - μ , η - μ and α - η - μ faded channels with imperfect CSI and interference	Telecommunication Systems	79(2022)279 - 294	
48	Saw S.K., Nanda U., Laskar N., Majumder A.	A dynamic current mode design approach of 2/3 prescaler for phase locked loop application	Analog Integrated Circuits and Signal Processing	110(2022)251 - 258	
49	Salins S.S., Reddy S.V.K., Kumar S.	Assessment of process parameters in a dehumidification process using biomass-based wood shaving as a packing material	Indoor and Built Environment	31(2022)496 - 509	
50	Mukhopadhyay J., Singh V.K., Mukhopadhyay S., Pal A., Kumar A.	A truthful budget feasible mechanism for IoT-based participatory sensing with incremental arrival of budget	Journal of Ambient Intelligence and Humanized Computing	13(2022)1107 - 1124	

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51	Peesa R.B., Panda D.K.	Rapid Detection of Biomolecules in a Junction Less Tunnel Field-Effect Transistor (JL-TFET) Biosensor	Silicon	14(2022)1705 - 1711	
52	Singh A., Pandey C.K.	Improved DC Performances of Gate-all-around Si-Nanotube Tunnel FETs Using Gate-Source Overlap	Silicon	14(2022)1463 - 1470	3
53	Nanda U., Acharya D.P., Nayak D., Rout P.K.	Modelling and Optimization of Phase Locked Loop under Constrained Channel Length and Width of MOSFETs	Silicon	14(2022)1471 - 1477	
54	Bhol K., Nanda U.	Nanowire Array-based MOSFET for Future CMOS Technology to Attain the Ultimate Scaling Limit	Silicon	14(2022)1169 - 1177	5
55	Kumar S., Reddy S.V.K., Salins S.S.	Dynamic dehumidifier characterisation under varied climatic conditions & pad thickness	Building and Environment	208(2022)	
56	Reddy A.S.S., Purnachand N., Kostrzewa M., Brik M.G., Venkatramaiah N., Kumar V.R., Veeraiah N.	The role of gold metallic particles on improving green and NIR emissions of Ho ³⁺ ions in non-conventional SeO ₂ based glass ceramics	Journal of Non-Crystalline Solids	576(2022)	1
57	Shukla A.K.	Chaos teaching learning based algorithm for large-scale global optimization problem and its application	Concurrency and Computation: Practice and Experience	34(2022)	1
58	Mishra S., Arawkar S., Singh S., Shibu A., Hota C.	HeuristiX: Adaptive Event Processing Using Lightweight Machine Learning Approaches on Edge Devices	Lecture Notes in Electrical Engineering	869(2022)165 - 177	
59	Suranjan Salins S., Reddy S.V.K., Kumar S.	Theoretical and experimental study of the multistage dynamic dehumidifier for enhanced thermal comfort conditions in a building	Journal of Building Performance Simulation	15(2022)345 - 361	
60	Regin R., Anam M., Chakravarthi M.K., Kaliyaperumal K., Phasinam K., Ashok K.	Reliability Model for Joint Production and Preventive Maintenance System based on IoT	Proceedings of the 2nd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2022	(2022)1320 - 1325	
61	Prasanna K.S.L., Vijaya J.	Building an Efficient Heart Disease Prediction System by using Clustering Techniques	Lecture Notes in Electrical Engineering	853(2022)69 - 81	
62	Boda R., Panigrahy S.K., Sahoo S.R.	A Smart Mobile Application for Stock Market Analysis, Prediction, and Alerting Users	Lecture Notes on Data Engineering and Communications Technologies	106(2022)379 - 389	
63	Sahoo S.R., Dalai A.K., Ningthoujam S., Panigrahy S.K.	Image-Based Spammer Analysis Using Suitable Features Selection by Genetic Algorithm in OSNs	Lecture Notes on Data Engineering and Communications Technologies	106(2022)133 - 143	
64	Cristin R., Satish A.R., Kundu T.K., Maram B.	Malaria Disease Prediction with Ensemble Learning Technique	Lecture Notes in Networks and Systems	385(2022)519 - 527	
65	Satapathy S.K., Malladi R., Kondaveeti H.K.	Accurate Machine Learning-Based Automated Sleep Staging Using Clinical Subjects with Suspected Sleep Disorders	Lecture Notes in Electrical Engineering	841(2022)363 - 379	
66	Shroff J., Walambe R., Singh S.K., Kotecha K.	Enhanced Security Against Volumetric DDoS Attacks Using Adversarial Machine Learning	Wireless Communications and Mobile Computing	2022(2022)	

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67	Hole S.R., Goswami A.D.	Maintain Maximum Power Point Tracking of Photovoltaic using SEPIC Converter	2022 2nd International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control, PARC	-2022	
68	Bho K., Nanda U.	Extensive Study of Position-Dependent Multi-Channel GAA MOSFET and its Effect on Device Performance	Journal of Nano- and Electronic Physics	14(2022)	
69	Chaki N., Devarakonda N., Cortesi A., Seetha H.	Preface	Lecture Notes on Data Engineering and Communications Technologies	99(2022)v - vi	
70	Satapathy S., Kondaveeti H.K.	Machine Learning Model for Automated Sleep Scoring Based on Single-Channel EEG Signal Data	Lecture Notes on Data Engineering and Communications Technologies	99(2022)377 - 386	
71	Babu K.S., Mallikharjuna Rao K.	Onion Price Prediction Using Machine Learning Approaches	Lecture Notes on Data Engineering and Communications Technologies	99(2022)175 - 189	
72	Banerjee T., Karthikeyan S., Sharma A., Charvi K., Raman S.	Attention-Based Discrimination of Mycoplasma Pneumonia	Lecture Notes on Data Engineering and Communications Technologies	99(2022)29 - 41	
73	Mathews L., Seetha H.	Learning from Imbalanced Healthcare Data Using Overlap Pattern Synthesis	Lecture Notes on Data Engineering and Communications Technologies	99(2022)447 - 456	
74	Veera Brahmam M., Gopikrishnan S., Raja Sravan Kumar K., Seshu Bhavani M.	Pearson Correlation Based Outlier Detection in Spatial-Temporal Data of IoT Networks	Lecture Notes on Data Engineering and Communications Technologies	96(2022)1019 - 1028	
75	Mondal B., Singh S.K.	A Comparative Analysis of Network Intrusion Detection System for IoT Using Machine Learning	Lecture Notes in Electrical Engineering	825(2022)211 - 221	
76	Gopikrishnan S., Srujan C., Praneeth V.N.S., Parida S.M.	Artificial Intelligent Former: A Chatbot-Based Smart Agriculture System	Lecture Notes on Data Engineering and Communications Technologies	96(2022)997 - 1008	
77	Raja Sravan Kumar K., Gopikrishnan S., Veera Brahmam M., Gargi M.	Energy Harvesting in Cooperative SHIPT NOMA for Multi-user Network	Lecture Notes on Data Engineering and Communications Technologies	96(2022)1029 - 1037	
78	Rahul J., Sharma L.D.	Automatic cardiac arrhythmia classification based on hybrid 1-D CNN and Bi-LSTM model	Biocybernetics and Biomedical Engineering	42(2022)312 - 324	
79	Siva Praneeth V.N., Bharath Kumar V., Sampath D., Pavan Kumar Y.V., John Pradeep D., Pradeep Reddy C., Kannan R.	Implementation of Neural Network-based PID Controller for Speed Control of an IC Engine	Lecture Notes in Electrical Engineering	822(2022)409 - 418	
80	Karthik R., Harsh H., Pavan Kumar Y.V., John Pradeep D., Pradeep Reddy C., Kannan R.	Modelling of Neural Network-based MPPT Controller for Wind Turbine Energy System	Lecture Notes in Electrical Engineering	822(2022)429 - 439	
81	Karthik R., Harsh H., Pavan Kumar Y.V.	Methods for Effective Speed Control of DC Shunt Motor-Part 2: Fuzzy Logic-Based PID Controller Tuning Method	Lecture Notes in Electrical Engineering	815(2022)515 - 522	
82	Karthik R., Tejendra E., Gowrav R., Harsh H., Pavan Kumar Y.V.	Methods for Effective Speed Control of DC Shunt Motor—Part 1: Classical PID Controller Tuning Methods	Lecture Notes in Electrical Engineering	822(2022)419 - 427	

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83	Reddy T.S., Harikiran J.	An outlook: machine learning in hyperspectral In this Issue: spectral preprocessing to compensate for packaging film / using neural nets to invert the PROSAIL canopy model image classification and dimensionality reduction techniques	Journal of Spectral Imaging	11(2022)	
84	Suranjan Salins S., Kumar S., Kartik R.K., Reddy S.V.K.	Numerical analysis-based performance prediction in a direct evaporative cooler used for building cooling	Journal of Building Performance Simulation	15(2022)237 - 250	
85	Sahoo S.R., Gupta B.B., Peraković D., Peñalvo F.J.G., Cvitić I.	Spammer Detection Approaches in Online Social Network (OSNs): A Survey	EAI/Springer Innovations in Communication and Computing	(2022)159 - 180	
86	Vedavalli P., Deepak C.	Data Recovery Approach for Fault-Tolerant IoT Node	International Journal of Advanced Computer Science and Applications	13(2022)768 - 774	
87	Shiva Samhitha S., Raghavendra G., Quezada C., Hima Bindu P.	Green synthesized TiO2 nanoparticles for anticancer applications: Mini review	Materials Today: Proceedings	54(2022)765 - 770	1
88	Mallawi F.O., Behl R., Maroju P.	On Global Convergence of Third-Order Chebyshev-Type Method under General Continuity Conditions	Fractal and Fractional	6(2022)	1
89	Kumar R., Kamatham Y., Peddakrishna S., Gaddam A.	CPW-Fed Penta Band Monopole Antenna for Multiservice Wireless Applications	Advances in Technology Innovation	7(2022)66 - 76	
90	Reddy S.P.K., Kandasamy G.	Cusp Pixel Labelling Model for Objects Outline Using R-CNN	IEEE Access	10(2022)8883 - 8890	
91	Banerjee T., Sharma A., Charvi K., Raman S., Regalla R.G., Sindhupriya T.	Journey of Letters to Vectors Through Neural Networks	Lecture Notes on Data Engineering and Communications Technologies	90(2022)709 - 717	
92	Thilakarathne N.N., Muneeswari G., Parthasarathy V., Alassery F., Hamam H., Mahendran R.K., Shafiq M.	Federated Learning for Privacy-Preserved Medical Internet of Things	Intelligent Automation and Soft Computing	33(2022)157 - 172	
93	Santosh N.K., Barpanda S.S.	Wavelet and PCA-based glaucoma classification through novel methodological enhanced retinal images	Machine Vision and Applications	33(2022)	
94	Sesha Reddy A.S., Kityk A.V., Jedryka J., Purnachand N., Rakus P., Wojciechowski A., Andrushchak A.S., Kumar V.R., Veeraiah N.	The anisotropic photorefractive effect in lithium sulfo-phosphate glass system doped with nickel ions	Optical Materials	123(2022)	
95	Malavath P., Devarakonda N., Polkowski Z., rani C.J.	Assessment of 3-Dimensional Hand Pose by PosePrior Network for Images	Lecture Notes on Data Engineering and Communications Technologies	91(2022)721 - 738	
96	Nagarajan S.M., Deverajan G.G., Chatterjee P., Alnumay W., Muthukumaran V.	Integration of IoT based routing process for food supply chain management in sustainable smart cities	Sustainable Cities and Society	76(2022)	1
97	Rahul J., Sharma L.D.	Artificial intelligence-based approach for atrial fibrillation detection using normalised and short-duration time-frequency ECG	Biomedical Signal Processing and Control	71(2022)	2
98	Satapathy S.K., Kondaveeti H.K., Malladi R.	Automated Sleep Staging System Based on Ensemble Learning Model Using Single-Channel EEG Signal	Lecture Notes in Networks and Systems	256(2022)186 - 202	

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99	Rani C.J., Devarakonda N., Kumari K.W.S.N., Malavath P.	A Monadic and Effective Frame Work for Single Human Pose Estimation of 2D Images and Videos	Lecture Notes in Networks and Systems	300 LNNS(2022)254 - 268	
100	Hemaja V., Panda D.K.	Rapid Detection of Biomolecules Using Dielectric Modulated Ferroelectric GaN HEMT	Lecture Notes in Electrical Engineering	781(2022)193 - 199	
101	Prithi S., Sumathi D., Poongodi T., Suresh P.	Trust Management Framework for Handling Security Issues in Multi-cloud Environment	EAI/Springer Innovations in Communication and Computing	(2022)287 - 306	
102	Teja P., Nagendra Reddy N., Panda D.K.	Comparative Analysis of Different FET-Based Biosensor: Recent Advances in Device Structure and Sensitivity	Lecture Notes in Electrical Engineering	781(2022)79 - 90	
103	Funde N., Yoon S.-G.	Rank-based energy scheduling strategy of networked microgrids in distribution systems	IET Generation, Transmission and Distribution	16(2022)84 - 98	
104	Krishna Siva Prasad M., Sharma P.	Exploring intrinsic information content models for addressing the issues of traditional semantic measures to evaluate verb similarity	Computer Speech and Language	71(2022)	
105	Kumar Y.R., Deshmukh K., Ali M.M.N., Abhijay G., Al-Onazi W.A., Al-Mohaimed A.M., Pasha S.K.K.	Structure, morphology and modelling studies of polyvinylalcohol nanocomposites reinforced with nickel oxide nanoparticles and graphene quantum dots	Environmental Research	203(2022)	6
106	Bandyopadhyay A., Singh V.K., Mukhopadhyay S., Rai U., Bandyopadhyay A.	An Efficient Framework for Resource Allocation and Dynamic Pricing Scheme for Completion Time Failure in Cloud Computing	Lecture Notes in Networks and Systems	313(2022)143 - 153	
107	Mallikharjuna Rao K., Rama Satish A.	A Comprehensive Study on Workloads in Cloud Computing	Lecture Notes in Networks and Systems	218(2022)505 - 514	
108	Ranjan R., Debasis K., Gupta R., Singh M.P.	Energy-Efficient Medium Access Control in Wireless Sensor Networks	Wireless Personal Communications	122(2022)409 - 427	
109	Lakshmi N.V., Tambe P., Panda B.	Surface modified iron oxide (Fe3O4) nanosheets reinforced PVDF nanocomposites: influence on morphology, thermal and magnetic properties	Plastics, Rubber and Composites	51(2022)205 - 216	
110	Tanniru M., Tambe P.	Selective localization of rice husk derived graphene in reactive compatibilized PP/PA6 blends: Influence on morphology, interface and mechanical properties	Fullerenes Nanotubes and Carbon Nanostructures	30(2022)242 - 257	
111	Bhol K., Jena B., Nanda U.	Silicon Nanowire GAA-MOSFET: a Workhorse in Nanotechnology for Future Semiconductor Devices	Silicon	14(2022)3163 - 3171	2
112	Reddy G.P., Pavan Kumar Y.V.	Demystifying LoRa Wireless Technology for IoT Applications: Concept to Experiment	2021 4th International Symposium on Advanced Electrical and Communication Technologies, ISAECT 2021	2021	
113	Ravichandran, D., Akilan, R., Vinnarasi, S., Shankar, R., Khadheer pasha, S.K., Manickam, S.	Tuning the reactivity of tri-s-triazine, trinitro-tri-s-triazine and ternary tri-s-triazine graphitic C3N4 quantum dots through H-functionalized and B-doped complexes: A density functional study	Chemosphere	272(2021)	
114	Shukla, A.K.	Detection of anomaly intrusion utilizing self-adaptive grasshopper optimization algorithm	Neural Computing and Applications	33(2021)7541-7561	4

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116	Rahul, J., Sharma, L.D.	An enhanced T-wave delineation method using phasor transform in the electrocardiogram	Biomedical Physics and Engineering Express	7(2021)	
117	Hemaja, V., Panda, D.K.	Dielectric Modulated Enhancement Mode N-Polar GaN MIS-HEMT Biosensor for Label Free Detection	ECS Journal of Solid State Science and Technology	10(2021)	
118	Kiran, S.U., Kumar, P.M., Kumar, Y.V.P.	Comprehensive Analysis on Critical Factors for the Operation of Advanced High Gain DC-DC Converters Used in Renewable Energy Applications	International Journal of Renewable Energy Research	11(2021)1448-1459	
119	Hemaja, V., Panda, D.K.	A Comprehensive Review on High Electron Mobility Transistor (HEMT) Based Biosensors: Recent Advances and Future Prospects and its Comparison with Si-Based Biosensor	Silicon	2021	3
120	Sahu, S.K., Badgayan, N.D., Sreekanth, P.S.R.	Numerical investigation on the effect of wall thickness on quasistatic crushing properties of nylon honeycomb structure	Materials Today: Proceedings	27(2020)798-804	5
121	Sahu, S.K., Badgayan, N.D., Rama Sreekanth, P.S.	Understanding the influence of contact pressure on the wear performance of HDPE/multi-dimensional carbon filler based hybrid polymer nanocomposites	Wear	438-439(2019)	8
122	Krishna Chaitanya, A.V.R., Pappula, B.	Impact of Waste Plastic Oil and Its Blends on Performance Combustion and Emission Characteristics of CRDI Engine	SAE Technical Papers	2019	
123	Batchu, R.K., Seetha, H.	A generalized machine learning model for DDoS attacks detection using hybrid feature selection and hyperparameter tuning	Computer Networks	200(2021)	
124	Yallamandaiah, S., Purnachand, N.	Convolutional neural network-based face recognition using non-subsampled shearlet transform and histogram of local feature descriptors	IAES International Journal of Artificial Intelligence	10(2021)1079-1090	
125	Kambala, V.K., Jonnadula, H.	A multi-task learning based hybrid prediction algorithm for privacy preserving human activity recognition framework	Bulletin of Electrical Engineering and Informatics	10(2021)3191-3201	
126	Sharma, L.D., Bhattacharyya, A.	A Computerized Approach for Automatic Human Emotion Recognition Using Sliding Mode Singular Spectrum Analysis	IEEE Sensors Journal	21(2021)26931-26940	
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