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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

JOURNAL PUBLICATIONS

AY 2024-2025

S.No	Authors	Paper Title	Journal Name	INDEXED (UGC CARE/ SCOPUS/ WOS/SCI/SCIE)	SCOPUS Link
1	Dr.S.SHIBU, et.,al.,	Anomaly detection using deep learning approach for iot smart city applications	Multimedia Tools and Applications	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57203173804
2	Dr.D.Kalaiyarasi, et.,al.,	An efficient COA approach-based open- end winding induction motor with direct torque control for minimize the power loss	Electrical Engineering	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57204621250
3	Dr R Rajalakshmi, et.,al.,	Utilising blockchain technology to implement a security control method for node access to the Internet of Things	Intelligent Decision Technologies	SCOPUS & WoS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85199794548&origin=resultslist
4	Dr.A.AMEELIA ROSELINE, et.,al.,	Improved Breast Cancer Classification Approach Using Hybrid Deep Learning Strategies for Tumor Segmentation	Sensing and Imaging	SCOPUS & WoS	https://www.scopus.com/results/authorNamesList.uri?name=name&st1=ameelia&st2=&institute=Panimalar&origin=searchauthorlookup

5	ARUN M, et.,al.,	Deepfake Detection using Integrate-Backward-Integrate Logic Optimization Algorithm with CNN	International Journal of Electrical and Electronics Research (IJEER)	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85201320407&origin=resultslist
6	ARUN M, et.,al.,	Lora Architecture-Enabled Intelligent for Agriculture with Deep Learning Architecture	Journal of Intelligent Systems and Internet of Things	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85200783403&origin=resultslist
7	Pritha. N, et.,al.,	Enhanced Wireless Communication Optimization with Neural Networks, Proximal Policy Optimization and Edge Computing for Latency and Energy Efficiency	International Journal of Electrical and Electronics Research (IJEER)	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57189074501
8	DR.C.RAMESH KUMAR, et.,al.,	High modulation depth and high modulated power with low noise figure for high speed modulation optical communication system performance signature	JOURNAL OF OPTICS	SCOPUS & WoS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85174292743&origin=resultslist
9	Dr.Suganthi, et.,al.,	Trustworthy-Based Authentication Model with Intrusion Detection for iot-Enabled Networks with Deep Learning Algorithm	Journal of Cybersecurity and Information Management (JCIM)	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85200539544&origin=resultslist
10	Dr.R.Suganthi, et.,al.,	The Impact Performance of Direction Oriented Forwarding through Advanced Minimum Number of Edge Nodes (DOF- MEN): Enhancing Routing Efficiency in Mobile Ad hoc Networks (manets)	SSRG International Journal of Electronics and Communication Engineering	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85197763562&origin=resultslist
11	Dr. HARIPRASATH MANOHARAN, et.,al.,	SPIS: Signal Processing for Integrated Sensing Technologies Using 6G Networks with Machine Learning Algorithms	Wireless Personal Communications	WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517

12	Dr. HARIPRASATH MANOHARAN, et.,al.,	Cognitive Intelligent Decisions for Big Data and Cloud Computing in Industrial Applications using Trifold Algorithms	Cognitive Computation	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
13	Dr. HARIPRASATH MANOHARAN, et.,al.,	Collective Diagnostic Prototypical in Internet of Medical Things for Depression Identification using Deep Learning Algorithm	Recent Patents on Engineering	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
14	Dr. HARIPRASATH MANOHARAN, et.,al.,	Application of Improved Support Vector Machine for Pulmonary Syndrome Exposure with Computer Vision Measures	Current Bioinformatics	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
15	Dr. HARIPRASATH MANOHARAN, et.,al.,	Secured 6G Communication for Consumer Electronics With Advanced Artificial Intelligence Algorithms	IEEE Transactions on Consumer Electronics	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
16	Dr. HARIPRASATH MANOHARAN, et.,al.,	Directive transportation in smart cities with line connectivity at distinctive points using mode control algorithm	Scientific Reports	SCOPUS & WoS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85200380706&origin=resultslist
17	Dr. HARIPRASATH MANOHARAN, et.,al.,	Pictorial depiction on controlling crowd in smart conurbations using Internet of Things with switching algorithms	Scientific Reports	SCOPUS & WoS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85194991161&origin=resultslist
18	Dr. HARIPRASATH MANOHARAN, et.,al.,	Optimizing Electric Vehicle Charging Costs Using Machine Learning	Ingenierie des Systemes d'Information	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
19	Dr. HARIPRASATH MANOHARAN, et.,al.,	Distribution of resources beyond 5G networks with heterogeneous parallel processing and graph optimization algorithms	Cluster Computing	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517

20	DR.C.RAMESH KUMAR, et.,al.,	Cyber intrusion detection using dual interactive Wasserstein generative adversarial network with war strategy optimization in wireless sensor networks.	Multimedia Tools and Applications	SCOPUS & WoS	https://www.scopus.com/results/authorNamesList.uri?st1=RAMESH+KUMAR&st2=c&institute=PANIMALAR&origin=searchauthorlookup
21	Dr.S.Deepa, et.,al.,	Optimized deep learning-based channel estimation for pilot contamination in a massive multiple-input-multiple- output-non-orthogonal multiple access system	Int J Commun Syst.	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57213695812
22	DR.C.RAMESH KUMAR, et.,al.,	Optical fiber systems performance signature based on dispersion compensated methods in dense wavelength division multiplexing systems	Journal of optics	SCOPUS & WoS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85174292743&origin=resultslist
23	BALAJI S R, et.,al.,	Analysis of Non-Linear Dynamic Characteristics of Fuzzy-Based SRM Drive for Electric Vehicle Applications	Communications on Applied Nonlinear Analysis	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57204865800
24	Dr S Leones Sherwin Vimalraj, et.,al.,	A novel doped broad band solar cell configuration for the optimization of photovoltaic performance for optimum conversion efficiency and fill factor	Journal of Optics	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=56073592200
25	Dr.S.Deepa, et.,al.,	Optimized deep learning-based channel estimation for pilot contamination in a massive multiple-input-multiple-output-non-orthogonal multiple access system	International Journal of Communication Systems	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=572136958121099-1131
26	Dr.S.Deepa, et.,al.,	High thermal stability and high-performance efficiency capability of light sources-based rate	Journal of Optical Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57213695812

		equation models in optical fiber transmission systems			
27	Dr. A. Dhanalakshmi, et.,al.,	AN OPTIMIZATION ALGORITHM FOR SPARSE CODE MULTIPLE ACCESS CODEBOOK TO MAXIMIZE MUTUAL INFORMATION IN 5G	Telecommunications and Radio Engineering	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56905472000
28	Dr.Jeneetha Jebanazer J, et.,al.,	Current modulation/optical injection and feedback for semiconductor laser diode based on optical field rate and intensity rate equation model	Journal of Optics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57211347069
29	Dr.S.Maheswari, et.,al.,	Channel estimation for pilot contamination in massive MIMO-NOMA system	Journal of High Speed Networks	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57216026482
30	D.Nithya, et.,al.,	Metasurface Based Surface Plasmon Resonance (SPR) Biosensor for Cervical Cancer Detection with Behaviour Prediction using Machine Learning Optimization Based on Support Vector Regression.	Plasmonics	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57216893551
31	Dr R Rajalakshmi, et.,al.,	A novel healthcare framework for ambient assisted living using the internet of medical things (IOMT) and deep neural network	Measurement: Sensors	SCOPUS & WoS	https://www.science-direct.com/science/article/pii/S2665917424000874?via%3Dihub
32	Dr. Hariprasath Manoharan, et.,al.,	Generative artificial intelligence and adversarial network for fraud detections in current evolutionary systems	Expert Systems	SCOPUS & WoS	scopus.com/authid/detail.uri?authorId=57221013517
33	Dr.D.Kalaiyarasi, et.,al.,	Theoretical study and analysis of advanced wireless sensor network techniques in Internet of Things (iot)	Measurement: Sensors	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85201543761&origin=resultslist

34	Dr. Hariprasath Manoharan, et.,al.,	Testing and Substantiation of Zero Trust Devices with Blockchain Procedures for Secured Data Transfer Approach	Human-centric Computing and Information Sciences	SCOPUS & WoS	scopus.com/authid/detail.uri?authorId=57221013517
35	Dr. Hariprasath Manoharan, et.,al.,	SSCM: a secured approach to supply chain management with control management using blowfish optimization	Enterprise Information Systems	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
36	DR.M.P.CHITRA, et.,al.,	Performance signature for angular misalignment measurement of fiber to fiber connectors with minimum insertion loss and low distortion in optical fiber transceiver systems	JOURNAL OF OPTICAL COMMUNICATION	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57674689700
37	Sivakumar. K, et.,al.,	An effective network security scrutinising method based on deep learning.	Int. J. Electronic security and digital forensics	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85198363995&origin=resultslist
38	R.PRATHIPA, et.,al.,	Deep Learning Empowered Water Quality Assessment: Leveraging iot Sensor Data with LSTM Models and Interpretability Techniques	International Journal of Computational and Experimental Science and engineering (IJCESEN)	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56607338800
39	R.PRATHIPA, et.,al.,	Adaptive Computational Intelligence Algorithms for Efficient Resource Management in Smart Systems	International Journal of Computational and Experimental Science and engineering (IJCESEN)	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56607338800
40	Dr.T.Suguna, et.,al.,	V Low Power, High-Resolution, High-Speed Comparator With Low Offset Voltage Implemented in 45nm CMOS Technology	Journal of VLSI circuits and systems	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85209993126&origin=resultslist

41	Dr. Hariprasath Manoharan, et.,al.,	Transparency and privacy measures of biometric patterns for data processing with synthetic data using explainable artificial intelligence	Image and Vision Computing	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
42	Dr. Hariprasath Manoharan, et.,al.,	QCA: Quantum Computational Approach for Internet of Things with 5G Connectivity	Information	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
43	Dr. Hariprasath Manoharan, et.,al.,	Evolutionary bioinformatics with veiled biological database for health care operations	Computers in Biology and Medicine	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
44	DR.C.RAMESH KUMAR, et.,al.,	High stability static/dynamic gain in phototransistors for high speed digital optical fiber telecommunication systems based on various modulation code schemes	Journal of Optics	WoS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85212298841&origin=resultslist
45	Sheeba Santhosh, et.,al.,	Enhancing Agricultural Productivity: IOT and Attention-Based CNN-BLSTM For Fine-Grained Crop Disease Detection	Journal of Machine and Computing	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59504224400
46	Sheeba Santhosh, et.,al.,	Non-Invasive Bio-impedance Diagnostics: Delving into Signal Frequency and Electrode Placement Effects	Biomedical and Pharmacology Journal	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=58359380400
47	Ashok. R, et.,al.,	Estimated time dispersion and delay through free space optics transceiver communications performance signature in the presence of adverse atmospheric conditions	Fiber optics	SCOPUS	https://doi.org/10.1007/s12596-024-02190-5
48	ASHOK R, et.,al.,	High capacity performance signature of microoptical	OPTICAL COMMUNICATION	SCOPUS	https://doi.org/10.1515/joc-2024-0241

		mechanical system switches based fiberbragg grating scheme implementation in opticalwdm data routed center networks			
49	Dr.S.SHIBU, et.,al.,	High Sensitivity Terahertz Biosensor Based on Graphene/Methylammonium Lead Halide Metasurface with Machine Learning-Enhanced Pathogen Detection	Plasmonics	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57203173804
50	Dr. A.AMEELIA ROSELINE, et.,al.,	Adaptive Transformer-Based Multi-Modal Image Fusion for Real-Time Medical Diagnosis and Object Detection	International Journal of Computational and Experimental Science and Engineering	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=54788278200
51	Dr. A.AMEELIA ROSELINE, et.,al.,	Future prospects of 6G wireless communication: review of antenna technologies	Discover Electronics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=54788278200
52	Dr.S.SHIBU, et.,al.,	A Novel Downlink Frequency Allocation (DFA) Technique for Enhanced Throughput in 5G and Beyond (B5G) Multi-hop Networks	Traitement du Signal	WoS	https://www.scopus.com/authid/detail.uri?authorId=57203173804
53	Dr. S. SHIBU, et.,al.,	Relative intensity noise management and thermal/shot noise control for high speed ultra high bandwidth fiber reach transmission performance	Journal of Optical Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57203173804
54	Dr.D.Nithya, et.,al.,	Performance parameters estimation of high speed Silicon/Germanium/InGaAsP avalanche photodiodes wide bandwidth capability in ultra high speed optical communication system	Journal of Optical Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57216893551

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56	Dr.D.Nithya, et.,al.,	Management of lateral misalignment loss and total insertion loss with beam waist control in high contrast single mode coupling fibers	Journal of optical communication	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57216893551
57	Dr. A.AMEELIA ROSELINE, et.,al.,	Harnessing advanced hybrid deep learning model for real-time detection and prevention of man-in-the-middle cyber attacks	Scientific Reports	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=54788278200
58	Dr.D.Nithya, et.,al.,	Metasurface Based Surface Plasmon Resonance (SPR) Biosensor for Cervical Cancer Detection with Behaviour Prediction using Machine Learning Optimization Based on Support Vector Regression.	Plasmonics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57216893551
59	Dr.S.SHIBU, et.,al.,	Hybrid deep learning enabled breast cancer detection using mammogram images	Biomedical Signal Processing and Control	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57203173804
60	Dr.D.Nithya, et.,al.,	Different optical fiber hybrid repeater amplifiers arrangement for optical losses and optical dispersion management in the presence of modulation code schemes	Journal of Optical communication	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57216893551
61	Dr. S. Leones Sherwin, et.,al.,	A Modified DC-DC Converter with High Gain Designed for Classical Multilevel Inverter Applications	International Journal of Vehicle Structures and Systems	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56073592200

62	Dr. S. Leones Sherwin, et.,al.,	A novel doped broad band solar cell configuration for the optimization of photovoltaic performance for optimum conversion efficiency and fill factor	Journal of Optics	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=56073592200
63	Dr.J.Jeneetha Jebanazer, et.,al.,	Current modulation/optical injection and feedback for semiconductor laser diode based on optical field rate and intensity rate equation model	Journal of Optics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57211347069
64	Dr.S.Deepa, et.,al.,	Comparative analysis of high index core micro structured optical fibers (HIMSOF) and hollow core band gap fibers (HCBGF) performance efficiency in fiber communication system	J. Opt. Commun	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57213695812
65	Dr.S.Deepa, et.,al.,	High thermal stability and high-performance efficiency capability of light sources-based rate equation models in optical fiber transmission systems	Journal of Optical Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57213695812
66	Dr.Jeneetha Jebanazer J, et.,al.,	Implementation of VLSI system incorporating advanced cryptography model for FPGA iot application	Journal of VLSI Circuits and Systems	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57211347069
67	Dr.S.Deepa, et.,al.,	Lesion Segmentation and Cancer Detection of Skin Using Le-Net Based Fire Gannet Optimization	Sensing and Imaging	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57213695812
68	Dr.J.Jeneetha Jebanazer J, et.,al.,	Next Generation Terahertz Biosensor Based Broadband Photonic Crystal Fiber for High Sensitivity Precision Kerosene Admixture Simultaneous Detection	Brazilian Journal of Physics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57211347069
69	Dr.L.Ashok Kumar, et.,al.,	MCYP-deepnet: Nutrition and	Optical Memory and	SCOPUS	https://www.scopus.com/authid/detail.uri

		Temperature Based Season Wise Multi Crop Yield Prediction Using deepnet 230 Classifier	Neural Networks		?authorId=57208705633
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71	Dr. R. Manikandan, et.,al.,	Advances in Wearable Sensors for Real-Time Internet of things based Biomechanical Analysis in High-Performance Sports	Journal of Intelligent Systems and Internet of Things	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57204827123
72	Dr. R. Manikandan, et.,al.,	Optimizing Sensor Localization and Cluster Performance in Wireless Sensor Networks through Internet of Thing (iot) and Boosted Weight Centroid Algorithm	Journal of Intelligent Systems and Internet of Things	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57204827123
73	Dr. R. Manikandan, et.,al.,	Optimized Fault Classification in Electric Vehicle Drive Motors Using Advanced Machine Learning and Data Transformation Techniques	Processes	WoS	https://www.scopus.com/authid/detail.uri?authorId=57204827123
74	Dr. R. Manikandan, et.,al.,	Defaulter detection based on Spearman correlation with hyper tuned SVM classification for preventing non-performing assets occurring in bank	Multimedia Tools and Applications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57204827123
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77	Sheeba Santhosh, et.,al.,	Enhancing Agricultural Productivity: IOT and Attention-Based CNN- BLSTM For Fine- Grained Crop Disease Detection	Journal of Machine and Computing	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85214372169&origin=recordpage
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79	Dr.S.Maheswari, et.,al.,	Performance Analysis of Wideband Branchline Balun	International Journal of Microwave and Optical Technology	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57216026482
80	Dr.S.Maheswari, et.,al.,	Recent advancement in InAlN/InGaN high electron mobility transistors: Materials, properties, and device performance	Materials Science in Semiconductor Processing	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57216026482
81	Sivakumar. K, et.,al.,	An effective network security scrutinising method based on deep learning	Int. J. Electronic security and digital forensics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57983947300
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83	Dr.R.Suganthi , et.,al.,	Efficient Routing Protocol (ERP) for MANETS-IoT Systems	Journal of Information Systems Engineering and Management	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85197763562&origin=resultslist

84	Dr.R.Suganthi , et.,al.,	""The Impact Performance of Direction Oriented Forwarding through Advanced Minimum Number of Edge Nodes (DOF-MEN): Enhancing Routing Efficiency in Mobile Ad hoc Networks (manets)""	SSRG International Journal of Electronics and Communicatio n Engineering	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85197763562&origin=resultslist
85	D.Padmapriya, et.,al.,	An intelligent framework of VVC- based video compression and bit rate reduction using vision transformer- based adaptive residual attention densenet	Signal Image and Video Processing	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57202513065
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87	B BHUVANESWA RI, et.,al.,	Privacy-Preserving Analysis Technique for Secure, Cloud-based Data Mining with Cloud Service Provider	Journal of Information Systems Engineering and Management	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85218888863&origin=recordpage
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90	Pritha. N, et.,al.,	International enhanced wireless communication optimization with neural networks, proximal policy optimization and edge computing for latency and energy efficiency	International journal of electrical and electronics research	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57189074501
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93	Dr. Hariprasath Manoharan, et.,al.,	Diagnostic behavior analysis of profuse data intrusions in cyber physical systems using adversarial learning techniques	Scientific Reports	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
94	Dr. Hariprasath Manoharan, et.,al.,	Synthetic healthcare data utility with biometric pattern recognition using adversarial networks	Scientific Reports	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
95	Dr. HARIPRASATH MANOHARAN, et.,al.,	Smart Grid Security Framework for Data Transmissions with Adaptive Practices Using Machine Learning Algorithm	Computers, Materials and Continua	SCOPUS & WoS	https://www.scopus.com/authid/detail.uri?authorId=57221013517
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