

JIIT Publication Summary (Year 2005-2023)

S. No.	Article Type	Count
1	International Journals	3550
2	National Journals	119
3	International Conferences	1978
4	National Conferences	319
5	Book Publications	53
6	Chapter Publications	480
7	Case Studies/Study Material/Articles/Reviews	52
	Total	6551

Indexing wise Publication Summary (Year 2005-2023)

S. No.	Indexing	Count
1	Indexed in SCOPUS	4274
2	Indexed in Web of Science but not in SCOPUS	31
3	Indexed in DBLP but not in SCOPUS and Web of Science	61
4	Not indexed in SCOPUS/Web of Science/ DBLP but having Impact factors	87
5	Others (Peer reviewed)	1213
6	Others (Non-Peer reviewed)	458
7	SCI/SCIE/ESCI (Web of Science)	1682

JIIT Publication Summary (CY 2023)

S. No.	Article Type	Count
1	International Journals	448
2	National Journals	0
3	International Conferences	189
4	National Conferences	0
5	Book Publications	3
6	Chapter Publications	65
	Total	705

Indexing wise Publication Summary (CY 2023)

S. No.	Indexing	Count
1	Indexed in SCOPUS	705
2	SCI/SCIE/ESCI (Web of Science)	225
3	Others (Peer reviewed)	0

	Jaypee Insititute of Information Technology Publication CY 2023
S. No.	FULL REFERENCE
	JOURNAL
1	Mohan J.; Chaturvedi B.; Gupta S.N., Development of seven MOS transistors, one capacitor based efficient and compact novel structure of phase-shifter, e-Prime - Advances in Electrical Engineering, Electronics and Energy, 6, (2023).doi:10.1016/j.prime.2023.100331
2	Lakhera S.; Rana M.; Devlal K.; Sharma S.; Chowdhury P.; Dhuliya V.; Panwar S.; Purohit L.P.; Dhanusha A.; Sabari Girisun T.C., Exploring the nonlinear optical limiting activity of para-aminobenzoic acid by experimental and DFT approach, Journal of Photochemistry and Photobiology A: Chemistry, 444, (2023).doi:10.1016/j.jphotochem.2023.114987
3	Ghosh T.; Bansal L.; Kandpal S.; Rani C.; Rath D.K.; Sahu B.; Chhoker S.; Kumar R., Multifunctional electrochromic hybrid PANI@WO ₃ core-shell for energy generation and storage, Journal of Energy Storage, 72, (2023).doi:10.1016/j.est.2023.108640
4	Sharma V.; Tripathi A.K.; Mittal H.; Parmar A.; Soni A.; Amarwal R., WeedGan: a novel generative adversarial network for cotton weed identification, Visual Computer, 39, (2023).doi:10.1007/s00371-022-02742-5
5	Gupta A.; Barthwal A.; Vardhan H.; Kakria S.; Kumar S.; Parihar A.S., Evolutionary study of distributed authentication protocols and its integration to UAV-assisted FANET, Multimedia Tools and Applications, 82, (2023).doi:10.1007/s11042-023-15197-0
6	Gupta S.; Singh D.; Kumar S., Development of an Ontology-Based Technique for Labeling Land Cover Classes with Minimum Utilization of SAR Features, SN Computer Science, 4, (2023).doi:10.1007/s42979-023-02184-3
7	Kumar R.; Bisht D.C.S., Picture fuzzy entropy: A novel measure for managing uncertainty in multi-criteria decision-making, Decision Analytics Journal, 9, (2023).doi:10.1016/j.dajour.2023.100351
8	Rajawat V.S.; Kumar A.; Choudhary B., Impact on DC and analog/RF performances of SOI based GaN FinFET considering high-k gate oxide, Memories - Materials, Devices, Circuits and Systems, 5, (2023).doi:10.1016/j.memori.2023.100079
9	Rao N.; Mishra V.K., Photosensitivity Performance of a Gate-Oxide-Stack Intended Source FDSOI-Based 1T Pixel Sensor, IEEE Sensors Journal, 23, (2023).doi:10.1109/JSEN.2023.3324443
10	Gupta P.; Joshi B.C., Effect of Ni Doping on the Local Electronic Structure of ZnO Thin Films by Synchrotron X-ray Absorption Spectroscopy, Transactions on Electrical and Electronic Materials, 24, (2023).doi:10.1007/s42341-023-00460-w
11	Gupta P.; Joshi B.C., Investigation of band alignment variations in CuZnO/ZnO heterostructures: Synchrotron-based valence band spectroscopy, Vacuum, 216, (2023).doi:10.1016/j.vacuum.2023.112455

12	Nisha K.; Beniwal R., Performance Analysis of Solar Powered Wireless Sensor Network, Wireless Personal Communications, 132, (2023).doi:10.1007/s11277-023-10711-x
13	Aly A.H.; Mohamed B.A.; Al-Dossari M.; Mohamed D.; Awasthi S.K.; Sillanpää M., Ultra-sensitive pressure sensing capabilities of defective one-dimensional photonic crystal, Scientific Reports, 13, (2023).doi:10.1038/s41598-023-45680-5
14	Singh K.; Kalra S., A Machine Learning Based Reliability Analysis of Negative Bias Temperature Instability (NBTI) Compliant Design for Ultra Large Scale Digital Integrated Circuit, Journal of Integrated Circuits and Systems, 18, (2023).doi:10.29292/jics.v18i2.686
15	Bhatt R.; Vaishnav D.; Airao V.; Sharma T.; Rachamalla M.; Mani S.; Gupta A.K.; Upadhye V.; Jha S.K.; Jha N.K.; Parmar S., Neuroprotective potential of saroglitazar in 6-OHDA induced Parkinson's disease in rats, Chemical Biology and Drug Design, 102, (2023).doi:10.1111/cbdd.14306
16	Sharma S.; Tyagi A.; Dang S., Nose to Brain Delivery of Transferrin conjugated PLGA nanoparticles for clonidine, International Journal of Biological Macromolecules, 252, (2023).doi:10.1016/j.ijbiomac.2023.126471
17	Das M.; Sen B.; Thapliyal K.; Pathak A., Quantum Zeno and Anti-Zeno Effects in the Dynamics of Non-Degenerate Hyper-Raman Processes Coupled to Two Linear Waveguides, Annalen der Physik, 535, (2023).doi:10.1002/andp.202300196
18	Arora A.; Taneja A.; Hemanth J., Heart Arrhythmia Detection and Classification: A Comparative Study Using Deep Learning Models, Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 47, (2023).doi:10.1007/s40998-023-00633-6
19	Singh M.K.; Goel A., A new constellation mapping for PAPR reduction in OCDM without side information, Sadhana - Academy Proceedings in Engineering Sciences, 48, (2023).doi:10.1007/s12046-023-02315-9
20	Singh S.; Gaur S., Development of rapid and non-destructive electric nose (E-nose) system for shelf life evaluation of different edible seeds, Food Chemistry, 426, (2023).doi:10.1016/j.foodchem.2023.136562
21	Kumar A.; Rathee G.; Kerrache C.A.; Bilal M.; Gadekallu T.R., A Secure Architectural Model Using Blockchain and Estimated Trust Mechanism in Electronic Consumers, IEEE Transactions on Consumer Electronics, 69, (2023).doi:10.1109/TCE.2023.3336597
22	Malek C.; Al-Dossari M.; Awasthi S.K.; Aly A.H., High Performance Biosensor for Detection of the Normal and Cancerous Liver Tissues Based on 1D Photonic Band Gap Material Structures, Sensing and Imaging, 24, (2023).doi:10.1007/s11220-023-00432-7
23	Sharma S.; Wadhwa N., Extraction of Pectin from Banana Pseudo Stem, Current Trends in Biotechnology and Pharmacy, 17, (2023).doi:10.5530/ctbp.2023.4.73

24	Gupta P.; Joshi B.C., Influence of Cu incorporation on structural, optical, and electronic structure of ZnO thin films deposited by laser ablation, <i>Physica B: Condensed Matter</i> , 668, (2023).doi:10.1016/j.physb.2023.415251
25	Srivastava P.K.; Kumar A.; Kumar A., Reliability analysis of a CNT-TF-FinFET for hostile temperature, <i>e-Prime - Advances in Electrical Engineering, Electronics and Energy</i> , 6, (2023).doi:10.1016/j.prime.2023.100374
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27	Goel A.; Gupta J., Novel approximation of Q -function using Gauss quadrature rule, <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 48, (2023).doi:10.1007/s12046-023-02281-2
28	Yasmin N.; Gupta R., Modified lightweight cryptography scheme and its applications in IoT environment, <i>International Journal of Information Technology (Singapore)</i> , 15, (2023).doi:10.1007/s41870-023-01486-2
29	Singh M.; Baranwal N.; Singh K.N.; Singh A.K.; Zhou H., Deep learning-based biometric image feature extraction for securing medical images through data hiding and joint encryption–compression, <i>Journal of Information Security and Applications</i> , 79, (2023).doi:10.1016/j.jisa.2023.103628
30	Narang A.; Shaiju A.J., Robustness Against Indirect Invasions in Asymmetric Games with Continuous Strategy Spaces, <i>International Game Theory Review</i> , 25, (2023).doi:10.1142/S0219198923500123
31	Singh H.K.; Baranwal N.; Singh K.N.; Singh A.K.; Zhou H., GAN-based watermarking for encrypted images in healthcare scenarios, <i>Neurocomputing</i> , 560, (2023).doi:10.1016/j.neucom.2023.126853
32	Rai P.; Kaushik R., Artificial intelligence based optical performance monitoring, <i>Journal of Optical Communications</i> , 44, (2023).doi:10.1515/joc-2021-0094
33	Kumar A.; Gupta N.; Jain A.; Gupta R.; Choudhary B.; Kumar K.; Goyal A.K.; Massoud Y., Digital-logic assessment of junctionless twin gate trench channel (JL-TGTC) MOSFET for memory circuit applications, <i>Memories - Materials, Devices, Circuits and Systems</i> , 6, (2023).doi:10.1016/j.memori.2023.100087
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37	Sharma M.; Kaur P., XLAAM: explainable LSTM-based activity and anomaly monitoring in a fog environment, <i>Journal of Reliable Intelligent Environments</i> , 9, (2023).doi:10.1007/s40860-022-00185-2

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42	Rathee G.; Kumar A.; Garg S.; Choi B.J.; Hassan M.M., ART: Active recognition trust mechanism for Augmented Intelligence of Things (AIoT) in smart enterprise systems, Alexandria Engineering Journal, 80, (2023).doi:10.1016/j.aej.2023.08.043
43	Kumari P.; Payal, Response of SH waves in inhomogeneous functionally graded orthotropic layered structure with interfacial imperfections, Journal of Engineering Mathematics, 142, (2023).doi:10.1007/s10665-023-10290-7
44	Saxena B.; Saxena V.; Anand N.; Hassija V.; Chamola V.; Hussain A., A Hurst-based diffusion model using time series characteristics for influence maximization in social networks, Expert Systems, 40, (2023).doi:10.1111/exsy.13375
45	Panwar A.; Sonnathi N.; Mahanti S.D.; Malik V.; Bagga A., Physics of large thermoelectric power factors in SnSe nanoflakes in mid-temperature range, Journal of Physics Condensed Matter, 35, (2023).doi:10.1088/1361-648X/acf636
46	Sahoo A.; Varshney A.D., Modelling of silicon ring resonator sensor for the detection of hormonal disorders in the human body, Optical and Quantum Electronics, 55, (2023).doi:10.1007/s11082-023-05448-7
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52	Tewari N.; Joshi N.; Srivastava S., A novel reconfigurable H-plane Horn leaky wave Substrate Integrated Waveguide MIMO antenna for K band, AEU - International Journal of Electronics and Communications, 170, (2023).doi:10.1016/j.aeue.2023.154832
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59	Upadhya A., GAN Based Channel Estimation and Interference Cancellation for Mixed RF/FSO Cooperative Relaying Systems, Physical Communication, 61, (2023).doi:10.1016/j.phycom.2023.102199
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67	Kapoor V.; Sharma N.K., Experimental investigation of indium tin oxide and indium nitride based fiber optic surface plasmon resonance sensor, <i>Optical and Quantum Electronics</i> , 55, (2023).doi:10.1007/s11082-023-05366-8
68	Sunder M.S.S.; Tikkiwal V.A.; Kumar A.; Tyagi B., Unveiling the Transparency of Prediction Models for Spatial PM2.5 over Singapore: Comparison of Different Machine Learning Approaches with eXplainable Artificial Intelligence, <i>AI (Switzerland)</i> , 4, (2023).doi:10.3390/ai4040040
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71	Tripathi M.M.; Kumar A., Small-Signal Modeling of GaN-BTG MOSFET for Wireless Applications, <i>Wireless Personal Communications</i> , 132, (2023).doi:10.1007/s11277-023-10720-w
72	Singh K.; Kalra S., Reliability forecasting and Accelerated Lifetime Testing in advanced CMOS technologies, <i>Microelectronics Reliability</i> , 151, (2023).doi:10.1016/j.microrel.2023.115261
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74	Kumar A.; Jain A.; Gupta N., Optimal design and performance assessment of CH ₃ NH ₃ SnBr ₃ lead-free perovskite solar cells for > 24% efficiency, <i>Indian Journal of Physics</i> , 97, (2023).doi:10.1007/s12648-023-02673-4
75	Aggarwal K.; Arora A., Influence maximization in social networks using discrete BAT-modified (DBATM) optimization algorithm: a computationally intelligent viral marketing approach, <i>Social Network Analysis and Mining</i> , 13, (2023).doi:10.1007/s13278-023-01151-3
76	Gupta R.; Singh S.K., A Novel Transfer Learning Method for Code Smell Detection on Heterogeneous Data: A Feasibility Study, <i>SN Computer Science</i> , 4, (2023).doi:10.1007/s42979-023-02157-6

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78	Nigam K.K.; Dharmender; Tikkiwal V.A.; Bind M.K., Theoretical Investigation of Dual-Material Stacked Gate Oxide-Source Dielectric Pocket TFET Based on Interface Trap Charges and Temperature Variations, Journal of Circuits, Systems and Computers, 32, (2023).doi:10.1142/S0218126623502523
79	Singh A.P.; Mishra V.K.; Akhter S., A Perspective View of Silicon Based Classical to Non-Classical MOS Transistors and their Extension in Machine Learning, Silicon, 15, (2023).doi:10.1007/s12633-023-02541-0
80	Kumari P.; Payal, Analysis of integrated effect of irregularity and corrugated interfaces of doubly layered half space on torsional surface wave propagation, Mathematical Methods in the Applied Sciences, 46, (2023).doi:10.1002/mma.9516
81	Garg S.; Krishnamurthi R., A survey of long short term memory and its associated models in sustainable wind energy predictive analytics, Artificial Intelligence Review, 56, (2023).doi:10.1007/s10462-023-10554-9
82	Agarwal A.; Khandelwal V., Multiple Manipulation Detection in Images Using Frequency Domain Features in 3D-CNN, Arabian Journal for Science and Engineering, 48, (2023).doi:10.1007/s13369-023-07727-7
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