

Papers published in High Impact Factor Journals

Sno	IEEE Reference Format	Impact Factor
1.	Priti Kumari, Parmeet Kaur, A survey of fault tolerance in cloud computing, Journal of King Saud University - Computer and Information Sciences, Volume 33, Issue 10, 2021, Pages 1159-1176	13.47
2.	H. Mittal and M. Saraswat, "A New Fuzzy Cluster Validity Index for Hyperellipsoid or Hyperspherical Shape Close Clusters With Distant Centroids," in <i>IEEE Transactions on Fuzzy Systems</i> , vol. 29, no. 11, pp. 3249-3258, Nov. 2021, doi: 10.1109/TFUZZ.2020.3016339.	12.03
3.	S. Kautish, R. A and A. Vidyarthi, "SDMTA: Attack Detection and Mitigation Mechanism for DDoS Vulnerabilities in Hybrid Cloud Environment," in <i>IEEE Transactions on Industrial Informatics</i> , vol. 18, no. 9, pp. 6455-6463, Sept. 2022, doi: 10.1109/TII.2022.3146290.	11.65
4.	Gorla, Praveen, Vinay Chamola, Vikas Hassija, and Dusit Niyato. "Network slicing for 5G with UE state based allocation and blockchain approach." <i>IEEE Network</i> 35, no. 3 (2020): 184-190.	10.69
5.	Yadav, V.K., Andola, N., Verma, S. and Venkatesan, S., 2021. A Survey of Oblivious Transfer Protocol. <i>ACM Computing Surveys (CSUR)</i> .	10.28
6.	Wadhwa, Ankita, and Manish Kumar Thakur. "Most significant hotspot detection using improved particle swarm optimizers." <i>Swarm and Evolutionary Computation</i> 75 (2022): 101177.	10.27
7.	Chamola, Vinay, Vikas Hassija, Sakshi Gupta, Adit Goyal, Mohsen Guizani, and Biplab Sikdar. "Disaster and pandemic management using machine learning: a survey." <i>IEEE Internet of Things Journal</i> 8, no. 21 (2020): 16047-16071.	9.47
8.	P Mishra, P Aggarwal, A Vidyarthi, P Singh, B Khan, HH Alhelou, P Siano, "VMShield: Memory Introspection-based Malware Detection to Secure Cloud-based Services against Stealthy Attacks", (2021).	9.19
9.	Pawan Kumar Upadhyay, S. Rastogi and K.Vimal Kumar, Coherent convolution neural network based retinal disease detection using optical coherence tomographic images, Journal of King Saud University " Computer and Information Sciences, https://doi.org/10.1016/j.jksuci.2021.12.002	8.84
10.	Honey Jindal, Neetu Sardana, "Web navigation prediction based on dynamic threshold heuristics", Journal of King Saud University-Computer and Information Sciences, Elsevier, Vol 34, Issue 6, pp 2820-2830, 2022	8.84
11.	N. Jain, S. Mittal, "Bayesian Nash Equilibrium based Gaming Model for Eco-safe Driving", Journal of King Saud University - Computer and Information Sciences, Volume 34, Issue 9, 2022, Pages 7482-7493, ISSN 1319-1578, https://doi.org/10.1016/j.jksuci.2021.07.004 .	8.84
12.	Mehndiratta, Akanksha, and Krishna Asawa. "Non-goal oriented dialogue agents: state of the art, dataset, and evaluation." <i>Artificial Intelligence Review</i> 54.1 (2021): 329-357.	8.14

13.	Dixit, Ankit, and Shikha Jain. "Intuitionistic fuzzy time series forecasting method for non-stationary time series data with suitable number of clusters and different window size for fuzzy rule generation." <i>Information Sciences</i> 623 (2023): 132-145.	8.10
14.	Roop Singh, Mukesh Saraswat, Alaknanda Ashok, Himanshu Mittal, Ashish Tripathi, Avinash Chandra Pandey, Raju Pal, "From classical to soft computing based watermarking techniques: A comprehensive review", <i>Future Generation Computer Systems</i> , Elsevier, Dec., 2022	7.31
15.	A. Lakhan et al., "Federated-Learning Based Privacy Preservation and Fraud-Enabled Blockchain IoMT System for Healthcare," in <i>IEEE Journal of Biomedical and Health Informatics</i> , doi: 10.1109/JBHI.2022.3165945.	7.02
16.	Garg, V, Sahoo, A, and Saxena, V., "Identification of Endometrial Tuberculosis in Infertility using Non-Subsampled Contourlet based Convolution Neural Network", <i>Expert Systems with Applications</i> , Sep 2022. https://doi.org/10.1016/j.eswa.2022.117282	6.95
17.	P. Agarwal, R. K. Agrawal, and B. Kaur, Multi-objective particle swarm optimization with guided exploration for multimodal problems, <i>Appl. Soft Comput.</i> , vol. 120, p. 108684, 2022.	6.73
18.	Yadav, N.K. and Saraswat, M., 2022. A novel fuzzy clustering based method for image segmentation in RGB-D images. <i>Engineering Applications of Artificial Intelligence</i> , 111, p.104709.	6.21
19.	Mishra, S., & Arora, A. (2022). A Huber reward function-driven deep reinforcement learning solution for cart-pole balancing problem. <i>Neural Computing and Applications</i> , 1-18.	6.00
20.	Harshit Gujral, Adwitiya Sinha, "Association between Exposure to Airborne Pollutants & COVID-19 in Los Angeles, United States with Ensemble-based Dynamic Emission Model," <i>Environmental Research</i> , Elsevier, volume 194, no. 110704, pp. 1-12, 2021 [SCIE Indexed, Impact Factor: 5.715] (ISBN: 0013-9351) (doi: 10.1016/j.envres.2020.110704) (H-index: 125)	5.72
21.	Choudhary, Anshika, and Anuja Arora. "Linguistic feature based learning model for fake news detection and classification." <i>Expert Systems with Applications</i> 169 (2021): 114171.	5.45
22.	Mishra, S., Soni, D. DS _{mishSMS} -A System to Detect Smishing SMS. <i>Neural Comput & Applic</i> (2021). https://doi.org/10.1007/s00521-021-06305-y	5.40
23.	R. K. Agrawal, B. Kaur, and P. Agarwal, "Quantum inspired Particle Swarm Optimization with guided exploration for function optimization," <i>Applied Soft Computing</i> , vol. 102, pp. 107–122, 2021, doi: https://doi.org/10.1016/j.asoc.2021.107122	5.39
24.	L. Kannappan, S. K. Palaniswamy, M. Kanagasabai, P. Kumar, M. G. N. Alsath, S. Kumar, T. R. Rao, M. Marey, A. Aggarwal, and J. K. Pakkathillam, 3-d twelve-port multi-service diversity antenna for automotive communications, <i>Scientific Reports</i> , vol. 12, 12 2022	5.30
25.	Suruchi Gera, Adwitiya Sinha, C-ANN: a deep leaning model for detecting black-marketed colluders in Twitter social network, <i>Neural Computing & Applications</i> , Springer, pp.1-15, 2022 [SCIE, Scopus Indexed, Impact Factor: 5.130] (ISSN: 0941-0643) (doi: 10.1007/s00521-021-06756-3) (H-Index: 80) (20-Jan-2022)	5.13

26.	Raju Pal, Ashish Kumar Tripathi, Avinash Chandra Pandey, Mohammad Ayoub Khan, Varun G Menon, Himanshu Mittal, "A N2CNN-Based Anomaly Detection Method for Cardiovascular Data in Cyber-Physical System", IEEE Transactions on Network Science and Engineering, pp. 1-10, July, 2022	5.03
27.	Vijh, S., Kumar, S. and Saraswat, M., 2022. New bag-of-feature for histopathology image classification using reinforced cat swarm algorithm and weighted Gaussian mixture modelling. Complex & Intelligent Systems, pp.1-20.	4.93
28.	Padha, A., Sahoo, A. MAQML: a Meta-approach to Quantum Machine Learning with Accentuated Sample Variations for Unobtrusive Mental Health Monitoring. Quantum Mach. Intell. 5, 17 (2023). https://doi.org/10.1007/s42484-023-00108-1	4.80
29.	Vidyarthi, A., Patel, A. Deep assisted dense model based classification of invasive ductal breast histology images. Neural Comput & Applic (2021).	4.77
30.	Garg, Sherry, and Rajalakshmi Krishnamurthi. "A CNN encoder decoder LSTM model for sustainable wind power predictive analytics." Sustainable Computing: Informatics and Systems 38 (2023): 100869.	4.50
31.	Kushwah, R. (2023, February). A novel traffic aware reliable gateway selection in wireless mesh network. Cluster Computing, 1-15.	4.40
32.	Wadhwa, Ankita, and Manish Kumar Thakur. "Rapid surveillance of COVID-19 by timely detection of geographically robust, alive and emerging hotspots using Particle Swarm Optimizer." Applied Geography (2022): 102719.	4.24
33.	Hassija, Vikas, Siddharth Batra, Vinay Chamola, Tanmay Anand, Poonam Goyal, Navneet Goyal, and Mohsen Guizani. "A blockchain and deep neural networks-based secure framework for enhanced crop protection." <i>Ad Hoc Networks</i> 119 (2021): 102537.	4.11
34.	Meeta Gupta, Adwitiya Sinha, "Particle Swarm Optimization Based Data Aggregation in Wireless Sensor Network," International Journal of Swarm Intelligence Research, volume 12, issue 1, pp. 1-16, 2021 [Scopus, ESCI Indexed] (ISSN: 1947-9263) (doi: 10.4018/IJSIR.2021010101) (H-Index: 4)	4.00
35.	A. Aggarwal, A. Srivastava, A. Agarwal, N. Chahal, D. Singh, A. A. Alnuaim, A. Alhadlaq, and H. N. Lee, Two-way feature extraction for speech emotion recognition using deep learning, <i>Sensors</i> , vol. 22, 3 2022.	4.00