# Yugal Kumar

List of Publications by Year
in descending order

| | | 430754 | 434063 |
|---|---|---|---|
| 64 papers | 1,128 citations | 18 h-index | 31 g-index |
| 65 all docs | 65 docs citations | 65 times ranked | 860 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Fog-based framework for diabetes prediction using hybrid ANFIS modelÂin cloud environment. Personal and Ubiquitous Computing, 2023, 27, 909-916. | 1.9 | 2 |
| 2 | A new metaheuristic algorithm based on water wave optimization for data clustering. Evolutionary Intelligence, 2022, 15, 759-783. | 2.3 | 21 |
| 3 | Variants of bat algorithm for solving partitional clustering problems. Engineering With Computers, 2022, 38, 1973-1999. | 3.5 | 9 |
| 4 | Integrating big data driven sentiments polarity and ABC-optimized LSTM for time series forecasting. Multimedia Tools and Applications, 2022, 81, 34595-34614. | 2.6 | 11 |
| 5 | Multi-step time series analysis and forecasting strategy using ARIMA and evolutionary algorithms. International Journal of Information Technology (Singapore), 2022, 14, 359-373. | 1.8 | 24 |
| 6 | Hybrid diabetes disease prediction framework based on data imputation and outlier detection techniques. Expert Systems, 2022, 39, e12785. | 2.9 | 4 |
| 7 | An Enhanced Version of Cat Swarm Optimization Algorithm for Cluster Analysis. International Journal of Applied Metaheuristic Computing, 2022, 13, 0-0. | 0.5 | 0 |
| 8 | Neighborhood search based improved bat algorithm for data clustering. Applied Intelligence, 2022, 52, 10541-10575. | 3.3 | 11 |
| 9 | A multi-objective vibrating particle system algorithm for data clustering. Pattern Analysis and Applications, 2022, 25, 209-239. | 3.1 | 4 |
| 10 | Artificial Bee Colony and Deep Neural Network-Based Diagnostic Model for Improving the Prediction Accuracy of Diabetes. International Journal of E-Health and Medical Communications, 2021, 12, 32-50. | 1.4 | 3 |
| 11 | Recent Developments in Bat Algorithm: A Mini Review. Journal of Physics: Conference Series, 2021, 1950, 012055. | 0.3 | 1 |
| 12 | Water Wave Optimization Based Data Clustering Model. Journal of Physics: Conference Series, 2021, 1950, 012054. | 0.3 | 2 |
| 13 | Two-phase hybridisation using deep learning and evolutionary algorithms for stock market forecasting. International Journal of Grid and Utility Computing, 2021, 12, 573. | 0.1 | 4 |
| 14 | Computer aided diagnostic system based on SVM and K harmonic mean based attribute weighting method. Obesity Medicine, 2020, 19, 100270. | 0.5 | 8 |
| 15 | Duplicate Bug Report Detection and Classification System Based on Deep Learning Technique. IEEE Access, 2020, 8, 200749-200763. | 2.6 | 30 |
| 16 | Does bug report summarization help in enhancing the accuracy of bug severity classification?. Procedia Computer Science, 2020, 167, 1345-1353. | 1.2 | 7 |
| 17 | A Rule-Based Monitoring System for Accurate Prediction of Diabetes. International Journal of E-Health and Medical Communications, 2020, 11, 32-53. | 1.4 | 8 |
| 18 | An integrated fire detection system using IoT and image processing technique for smart cities. Sustainable Cities and Society, 2020, 61, 102332. | 5.1 | 123 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | A neighborhood search based cat swarm optimization algorithm for clustering problems. Evolutionary Intelligence, 2020, 13, 593-609. | 2.3 | 9 |
| 20 | Time Series Data Prediction using IoT and Machine Learning Technique. Procedia Computer Science, 2020, 167, 373-381. | 1.2 | 41 |
| 21 | Smart Irrigation and Intrusions Detection in Agricultural Fields Using I.o.T.. Procedia Computer Science, 2020, 167, 154-162. | 1.2 | 36 |
| 22 | Hybrid Artificial Chemical Reaction Optimization Algorithm for Cluster Analysis. Procedia Computer Science, 2020, 167, 531-540. | 1.2 | 8 |
| 23 | A Block-Based Arithmetic Entropy Encoding Scheme for Medical Images. International Journal of Healthcare Information Systems and Informatics, 2020, 15, 65-81. | 1.0 | 3 |
| 24 | Hybrid Big Bang-Big Crunch Algorithm for Cluster Analysis. Communications in Computer and Information Science, 2020, , 648-661. | 0.4 | 2 |
| 25 | A feature selection model for prediction of software defects. International Journal of Embedded Systems, 2020, 13, 28. | 0.2 | 0 |
| 26 | The Diagnosis of Dengue Disease. , 2020, , 1076-1095. | | 0 |
| 27 | A new meta-heuristic algorithm based on chemical reactions for partitional clustering problems. Evolutionary Intelligence, 2019, 12, 241-252. | 2.3 | 10 |
| 28 | Applicability of Wireless Sensor Networks in Precision Agriculture: A Review. Wireless Personal Communications, 2019, 107, 471-512. | 1.8 | 107 |
| 29 | Cellular Automata Based Model for E-Healthcare Data Analysis. International Journal of Information System Modeling and Design, 2019, 10, 1-18. | 0.9 | 1 |
| 30 | A chaotic teaching learning based optimization algorithm for clustering problems. Applied Intelligence, 2019, 49, 1036-1062. | 3.3 | 42 |
| 31 | Chemical Reaction-Based Optimization Algorithm for Solving Clustering Problems. Unsupervised and Semi-supervised Learning, 2019, , 147-162. | 0.4 | 2 |
| 32 | A PHR-Based System for Monitoring Diabetes in Mobile Environment. EAI/Springer Innovations in Communication and Computing, 2019, , 129-144. | 0.9 | 6 |
| 33 | A New Variant of Teaching Learning Based Optimization Algorithm for Global Optimization Problems. Informatica (Slovenia), 2019, 43, . | 0.6 | 10 |
| 34 | Early Diagnostics Model for Dengue Disease Using Decision Tree-Based Approaches. Advances in Medical Diagnosis, Treatment, and Care, 2019, , 69-87. | 0.1 | 4 |
| 35 | Mobility in MANET Using Robot: A Review. Communications in Computer and Information Science, 2019, , 304-324. | 0.4 | 0 |
| 36 | A Taxonomy on Machine Learning Based Techniques to Identify the Heart Disease. Communications in Computer and Information Science, 2019, , 13-25. | 0.4 | 1 |

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|---|---------|----|-----------|
| 37 | Improved cat swarm optimization algorithm for solving global optimization problems and its application to clustering. Applied Intelligence, 2018, 48, 2681-2697. | 3.3 | 47 |
| 38 | ToMRobot: A Low-Cost Robot for MANET Testbed. , 2018, , . | | 1 |
| 39 | Real Time Monitoring of Valeriana Jatamansi Plant for Growth Analysis. Procedia Computer Science, 2018, 132, 507-517. | 1.2 | 10 |
| 40 | The Diagnosis of Dengue Disease. International Journal of Healthcare Information Systems and Informatics, 2018, 13, 1-19. | 1.0 | 27 |
| 41 | Dolutegravir, Second Generation Integrase Inhibitor: A New Hope for HIV Patient. European Journal of Molecular and Clinical Medicine, 2018, 5, 20-29. | 0.5 | 1 |
| 42 | HYBRIDIZATION OF MAGNETIC CHARGE SYSTEM SEARCH METHOD FOR EFFICIENT DATA CLUSTERING. Malaysian Journal of Computer Science, 2018, 31, 108-129. | 0.5 | 3 |
| 43 | A fuzzy logic based approach for decision making. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1531-1539. | 0.8 | 5 |
| 44 | A two-step artificial bee colony algorithm for clustering. Neural Computing and Applications, 2017, 28, 537-551. | 3.2 | 61 |
| 45 | PSO-ANN based diagnostic model for the early detection of dengue disease. New Horizons in Translational Medicine, 2017, 4, 1-8. | 1.0 | 65 |
| 46 | Fault localization in software testing using soft computing approaches. , 2017, , . | | 4 |
| 47 | An analysis on the potentials of Vertical Greenery System (VGS) in context to the application viewpoint. , 2017, , . | | 3 |
| 48 | Gaussian cat swarm optimisation algorithm based on Monte Carlo method for data clustering. International Journal of Computational Science and Engineering, 2017, 14, 198. | 0.4 | 6 |
| 49 | Gaussian cat swarm optimisation algorithm based on Monte Carlo method for data clustering. International Journal of Computational Science and Engineering, 2017, 14, 198. | 0.4 | 3 |
| 50 | A Clustering Approach Based on Charged Particles. , 2016, , . | | 1 |
| 51 | A hybridise approach for data clustering based on cat swarm optimisation. International Journal of Information and Communication Technology, 2016, 9, 117. | 0.1 | 4 |
| 52 | Role of Soft Computing Approaches in HealthCare Domain: A Mini Review. Journal of Medical Systems, 2016, 40, 287. | 2.2 | 47 |
| 53 | A Clustering Approach Based on Charged Particles. International Journal of Software Engineering and Its Applications, 2016, 10, 9-28. | 0.2 | 1 |
| 54 | Application of Charge System Search Algorithm for Data Clustering. Advances in Computational Intelligence and Robotics Book Series, 2016, , 383-399. | 0.4 | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 55 | A hybrid data clustering approach based on improved cat swarm optimization and K-harmonic mean algorithm. AI Communications, 2015, 28, 751-764. | 0.8 | 63 |
| 56 | Hybridization of magnetic charge system search and particle swarm optimization for efficient data clustering using neighborhood search strategy. Soft Computing, 2015, 19, 3621-3645. | 2.1 | 28 |
| 57 | Seminal quality prediction using data mining methods. Technology and Health Care, 2014, 22, 531-545. | 0.5 | 38 |
| 58 | A charged system search approach for data clustering. Progress in Artificial Intelligence, 2014, 2, 153-166. | 1.5 | 26 |
| 59 | Modified Teacher Learning Based Optimization Method for Data Clustering. Advances in Intelligent Systems and Computing, 2014, , 429-437. | 0.5 | 14 |
| 60 | A New Initialization Method to Originate Initial Cluster Centers for K-Means Algorithm. International Journal of Advanced Science and Technology, 2014, 62, 43-54. | 0.3 | 22 |
| 61 | Prediction of different types of liver diseases using rule based classification model. Technology and Health Care, 2013, 21, 417-432. | 0.5 | 43 |
| 62 | Predication of Parkinson's disease using data mining methods: A comparative analysis of tree, statistical and support vector machine classifiers. , 2012, , . | | 30 |
| 63 | Predication of Parkinsonâ€²s disease using data mining methods: A comparative analysis of tree, statistical, and support vector machine classifiers. Indian Journal of Medical Sciences, 2011, 65, 231. | 0.1 | 15 |
| 64 | Healthcare Data Analysis Using Water Wave Optimization-Based Diagnostic Model. Journal of Information and Communication Technology, 0, 20, . | 0.3 | 0 |