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New: See at one glance Sustainable Development Goals mapped to this organisation

Sustainable Development Goals (SDGs) are specific research areas that are helping to solve real-world problems. Elsevier data science teams have built extensive keyword queries, supplemented with machine learning, to map documents to SDGs with very high precision. Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact Rankings. [More about SDGs](#) ↗

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52 documents for ***Sustainable cities and communities***

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Strengthening security, privacy, and trust in artificial intelligence drones for smart cities

Sonia, R., Gupta, N., Manikandan, K.P., ...Jogendra Kumar, M., Sampath, B.

***Analyzing and Mitigating Security Risks in Cloud Computing*, 2024**

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Exploring History: Monument Identification and Visualization using Deep Learning and Augmented Reality

Shahad, P., Ahamed, M.R., Balaji, R., Mahesh, N., Nandini, K.S.

2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 - Proceedings, 2024

Conference Paper

Leveraging an Ensemble Time Series Rainfall Forecasting System by Employing Neural Prophet and BiLSTM with Attention

Sai, T.S.R., Reddy, D.C.S., Khan, P.F., ...Karunamma, D., Sumalatha, K.

10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024, 2024

Article

Remote Sensing–Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Model

Sailaja, M., Medapati, P.K., Jyothi, B.S., ...Manjula, S., Divya Priya, D.

Remote Sensing in Earth Systems Sciences, 2024

Conference Paper

A Way to Design Fog Computing Model for 5G Network using Vanet

Maruthamuthu, R., Patel, N., Yawanikha, T., ...Alsalam, Z., Subbarao, S.P.V.

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

Development of Intensity-Duration-Frequency (IDF) Curve for Extreme Flood Evaluation for Holeta Town, Ethiopia

Chali, W.E., Kumar, B., Roy, D.

Advances in Science, Technology and Innovation, 2024

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Air Purification Robotics using Cloud and Deep Q Networks for Autonomous Systems

Elangovan, G.R., Balaji Damodhar, T.S., Sivagnanam, Y., ...Sivakumar, S., Malathi, N.

Proceedings - 2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics and Smart Systems, ISTEMS 2024, 2024

Conference Paper

An IoT and Random Forest-DT-Based Early Enhanced Forest Fire Detection in Large and Small Targets

Prabakaran, M., Wadhvani, O., Pandiaraj, V., ...Nishant, N., Justin, Z.

2024 3rd International Conference for Innovation in Technology, INOCON 2024, 2024

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Enhancing Energy Efficiency in Smart Cities: Advanced ANN and Decision Tree Model for Solar Energy with IoT and Cloud Server

Mohanaprakash, T.A., Mutharasu, M., Saravanan, T., Raja, S., Angeline Valentina Sweetey, A.

International Journal of Intelligent Systems and Applications in Engineering, 2024

Book Chapter

A Detailed Case Study on Various Challenges in Vehicular Networks for Smart Traffic Control System Using Machine Learning Algorithms

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Artificial Intelligence and Machine Learning for Smart Community: Concepts and Applications, 2024

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Impact of Prestressed Anisotropic Porous and Prestressed Anisotropic Magnetoelastic Layers on a Love-Type Wave

Kumari, C., Kundu, S.

International Journal of Geomechanics, 2023

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Cloud computing principles for optimizing robot task offloading processes

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AI-Enabled Social Robotics in Human Care Services, 2023

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Efficiency and Precision: Control Systems Empowered by Smart Image Processing

Sreenivasulu, G., Padmavathi, T., Nirisha, A., ...Oudah, M.Y., Kayam, S.K.

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Conference Paper

Smart System for Vehicle Number Plate Recognition Using Convolutional Neural Network(CNN)

Nidhya, R., Kalpana, R., Sudhakar, R., Maranco, M., Smilarubavathy, G.

2023 1st International Conference on Optimization Techniques for Learning, ICOTL 2023 - Proceedings, 2023

Conference Paper

IoT-Based Car Safety System With Airbag Notification for Emergency Assistance

Ramalingam, L., Muthumamilakshmi, S., Venkatesh, M., Jambulingam, U., Malathi, N.

2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Conference Paper

Metasurface Superstrate Towards the Enhancement of Antenna Performances for RF Energy Harvesting

Sreelekha, K., Sreekar, S., Sudeep, C.S., Behera, B.R.

ViTECoN 2023 - 2nd IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies, Proceedings, 2023

Conference Paper

Exploration of Metalens Towards The Enhancement of Antenna Performances

Sravani, D.L.N., Jayasri, G.S., Pravallika, G.S., Behera, B.R., Mahapatro, S.R.

2nd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCCE 2023, 2023

Conference Paper

Non-Uniform Metasurface-Based Microstrip Patch Antenna With Bandwidth and Gain Enhancement for Wireless Applications

Sneha, D.S., Manoharan, R., Sravani, V., Behera, B.R., Pal, D.

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Conference Paper

Analysis of CP Characteristics By Gain-Bandwidth Product for Metasurface-Based Monopole Antenna

Aparna, N., Bhavana, L., Kumar Naidu, S.A., Behera, B.R., Pal, D.

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Hybrid Optimization Algorithm to Mitigate Phishing URL Attacks In Smart Cities

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Conference Paper

Prediction of Particulate Matter (PM2.5) Across India Using Machine Learning Methods

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Lecture Notes in Networks and Systems, 2023

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Secure Authentication and Key Management Protocol for Deployment of Internet of Vehicles (IoV) Concerning Intelligent Transport Systems

Bojjagani, S., Reddy, Y.C., Anuradha, T., ...Ramachandra Reddy, B., Khan, M.K.

IEEE Transactions on Intelligent Transportation Systems, 2022

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Handover Count Based MAP Estimation of Velocity With Prior Distribution Approximated via NGSIM Data-Set

Tiwari, R., Deshmukh, S.

IEEE Transactions on Intelligent Transportation Systems, 2022

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Possibilities and proposals of intelligent transportation system in the Indian context: a synthesis of the literature

Kumar, V.

Innovative Infrastructure Solutions, 2022

Article

Effective two-tier tokenization for intelligent transportation supply chain systems using hybrid optimized query expansion

Vivekananda, G.N., Jarwar, M.A., Jaber, M.M., ...Gnanasigamani, L.J., Sanz-Prieto, I.

Multimedia Tools and Applications, 2022

Conference Paper

A Novel Deep Learning Approach of BH & SH on MANET basis Traffic Prediction with Big Data

Narasima Venkatesh, A., Mahaboob John, Y.M., Ananthi, P., ...Manikumar, T., Pant, B.

Proceedings of 3rd International Conference on Intelligent Engineering and Management, ICIEM 2022, 2022

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An intelligent optimized route-discovery model for iot-based vanets

Dinesh, K., Rajakumar, R., Dumka, A., ...Hamam, H., Ibrahim, M.

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Data dissemination for green-VANETs communication: an opportunistic optimization approach

Chandramohan, D., Dumka, A., Dhilip Kumar, V., Jayakumar, L.

International Journal of Pervasive Computing and Communications, 2021

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Reinforced Cuckoo Search based fugitive landfill methane emission estimation

Thirugnanasambandam, K., Sudha, S.V., Saravanan, D.D., ...Anguraj, D.K., Raghav, R.S.

Environmental Technology and Innovation, 2021

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Development of Multi-functioning Organic Waste Shredding Machine for Natural Compost

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Technology and Economics of Smart Grids and Sustainable Energy, 2020

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Enhanced Route Selection (ERS) algorithm for IoT enabled smart waste management system

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Deep learning based energy efficient optimal timetable rescheduling model for intelligent metro transportation systems

Kuppusamy, P., Venkatraman, S., Rishikeshan, C.A., Reddy, Y.C.

Physical Communication, 2020

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Smart real time garbage management system

Mamatha, K.S., Jilani, S.A.

***International Journal of Scientific and Technology Research*, 2020**

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CPAODV: Classifying and Assigning 3 Level Preference to the Nodes in VANET Using AODV Based CBAODV Algorithm

Natarajan, A.K., Galety, M.G., Manimaran, A.

***Learning and Analytics in Intelligent Systems*, 2020**

Article

Spatio-temporal impact assessment of land use / land cover (LU-LC) change on land surface temperatures over Jaipur city in India

Gupta, N., Mathew, A., Khandelwal, S.

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Air pollutants level detection and control in vehicle using an intelligent system

Itharajula, M.

***Lecture Notes in Electrical Engineering*, 2020**

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Hybrid Network Intrusion Detection System for Smart Environments Based on Internet of Things

Venkatraman, S., Balasubramanian, S., Arun Raj Kumar, P.

***Computer Journal*, 2019**

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Prediction of land surface temperatures for surface urban heat island assessment over Chandigarh city using support vector regression model

Mathew, A., Sreekumar, S., Khandelwal, S., Kumar, R.C.

***Solar Energy*, 2019**

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Analysis of cooling effect of water bodies on land surface temperature in nearby region: A case study of Ahmedabad and Chandigarh cities in India

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Effect of Water Content on Relative Flow Area and Hence Predicted Flow Values of Controlled Low Strength Materials

Raghavendra, T., Udayashankar, B.C., Lokeshwari, M., Shelar, V.M., Amaranath Reddy, N.

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Air pollution based vehicular routing problems: Using genetic algorithm optimization approach

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Peak flood estimation along southern coast: Kerala, India

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Proceedings of the 9th International Conference on APAC 2017, 2018

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Design of smart traffic signal system using internet of things and genetic algorithm

Kuppusamy, P., Kamarajapandian, P., Sabari, M.S., Nithya, J.

Advances in Intelligent Systems and Computing, 2018

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Reliability prediction of seismic switch for early detection of earthquakes around NPPs

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International Journal of System Assurance Engineering and Management, 2016

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Forecasting of passengers demand - A case study

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International Journal of Mechanical Engineering and Technology, 2016

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Analysis of accidents on national highway-18 passing through kurnool district, andhrapradesh (During construction phase)

Kiran, B.N., Kumara Swamy, N., Sashidhar, C.

International Journal of Applied Engineering Research, 2015

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