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List of Publications (Published)

- Kumar, Kanak, Navin Singh Rajput, "Analysis Space Transformation Based Electronic Nose for Efficient Detection and Monitoring of Volatile Organic Compounds, Gases/Odors in Smart Homes", European Chemical Bulletin, 2023,12(Special Issue 7), 513-528, doi: 10.48047/ecb/2023.12.si7.037
- Kumar, Kanak, Navin Singh Rajput, Alexey V. Shvetsov, Abdu Saif, Radhya Sahal, and Saeed Hamood Alsamhi, "ID2S4FH: A Novel Framework of Intelligent Decision Support System for Fire Hazard", *Fire* 2023, *6*(7), 248, https://doi.org/10.3390/fire6070248
- Kumar, Kanak, Shiv Nath Chaudhri, Navin Singh Rajput, Alexey V. Shvetsov, Radhya Sahal, and Saeed Hamood Alsamhi, "An IoT-Enabled E-Nose for Remote Detection and Monitoring of Airborne Pollution Hazards Using LoRa Network Protocol." Sensors 23, no. 10 (2023): 4885, https://doi.org/10.3390/s23104885

List of Publication (Communicated)

- Kanak Kumar, Navin Singh Rajput, Farhan M. A. Nashwan, Alexey V. Shvetsov, and Saeed Hamood Alsamhi, "IoT-IGSS: Real-Time Detection of VOCs in Household Disinfectants using IoT-enabled Intelligent Gas Sensor System", IEEE-Access.
- Kanak Kumar, Navin Singh Rajput, Alexey V. Shvetsov and Saeed Hamood Alsamhi, "Breath-based Intelligence: Revolutionizing Diabetes Care through Cloud-

Connected Gas Sensors for Non-Invasive Qualitative Blood Glucose Monitoring”, Sensor.