
List of Publications

Papers Published in Refereed Journals

1. **Vinod Kumar**, Sunny, V.N. Mishra, R. Dwivedi, R.R. Das, “Gridded Pt Gate MOS sensor for Hydrogen & Hydrogen Sulphide Detection”, Material Chem. & Physics, Elsevier Journal,146, 2014.
2. **Vinod Kumar**, Sunny, V.N. Mishra, R. Dwivedi, R.R. Das, “ Influence of Gridded gate structure on gas sensing behavior of hydrogen ”, Journal of applied Physics (AIP Journal) , 115, 204514 ,2014.
3. **Vinod Kumar**, V.N. Mishra, R. Dwivedi, R.R. Das, “Effect of RF Plasma on the response of Gridded Gate Pt/SiO₂/Si MOS sensor for H₂ detection”, IEEE Transaction on Electron Devices.(Communicated).
4. Sunny, **Vinod Kumar**, V.N. Mishra, R. Dwivedi, R.R. Das, “Role of Exposure and Recovery Transients in classification of Gases/Odors with Thick Film Sensor Array”, IEEE Transaction on Nanotechnology.
5. Sunny,**Vinod Kumar**, V.N. Mishra, R. Dwivedi, R.R. Das, Classification and Quantification of Binary Mixtures of Gases/Odors of using Thick Film Gas Sensor Array Responses”, IEEE Sensors Journal.
6. Sunny,**Vinod Kumar**,V.N. Mishra, R. Dwivedi, R.R. Das, Fabrication and Characterization of Integrated Thick film Gas Sensor Array for detection of LPG, Nitrous Oxide, Acetone and 2-Propanol, ASEM, American Scientific Publishers, Vol. 6, 1-8,2014.

Conference Papers

7. **Vinod Kumar**, Sunny, R Dwivedi, V.N. Mishra “ Pt gate MOS sensor for hydrogen detection” ICECIT-2012 (An international Conference sponsored by IEEE), Srinivasa Ramanujan Institute of Technology, Anantpur (A.P.), Published in Elsevier Journal.

8. Sunny, **Vinod Kumar**, R Dwivedi, V.N. Mishra “Qualitative Classification of Gases/Odors using thick film Sensor Array Response with Simple Feed Forward Neural Network” ICECIT-2012 (An international Conference sponsored by IEEE), Srinivasa Ramanujan Institute of Technology, Anantpur (A.P.), Published in Elsevier Journal.
9. Sunny, **Vinod Kumar**, V.N. Mishra, R.R. Das, “Gases/Odors Classification Using K-means, Hierarchical Clustering and Self Organizing Map”,CECNET-2014 held on 12th -15th Dec.,2014, Beijing, China.