

## Full papers list:

1. Sovandeb Sen, Sourav Maity, **Susmita Kundu\***, “Reduced graphene oxide (rGO) decorated NiO-SnO<sub>2</sub> nanocomposite based sensor towards room temperature diabetic biomarker detection”, Journal of Alloys and Compounds, 966 (2023) 171553. (**I.F. :6.3**)
2. Saheli Bhattacharjee, Sovandeb Sen, Soumya Samanta, **Susmita Kundu\***, “Study the role of rGO in enhancing the electrochromic performance of WO<sub>3</sub> film”, Electrochimica Acta, 427 (2022) 140820. (**I.F-7.3**)
3. Saheli Bhattacharjee, Sovandeb Sen, **Susmita Kundu\***, “Development of La-impregnated TiO<sub>2</sub> based ethanol sensors for next generation automobile application”, Journal of Materials Science: Materials in Electronics, 33(2022)15296-15312. (**I.F-2.5**)
4. Sovandeb Sen, Sourav Maity and Susmita Kundu\* , “Fabrication of Fe doped reduced graphene oxide (rGO) decorated WO<sub>3</sub> based low temperature ppm level acetone sensor: Unveiling sensing mechanism by impedance spectroscopy”, Sensors and Actuators B, 361 (2022) 131706 (**I.F-9.2**)
5. Sovandeb Sen, Susmita Kundu\* , “Reduced graphene oxide (rGO) decorated ZnO-SnO<sub>2</sub>: A ternary nanocomposite towards improved low concentration VOC sensing performance”, Journal of Alloys and Compounds, 881 (2021) 160406 (**I.F-6.4**)
6. Sovandeb Sen, Amit Nilabh, and Susmita Kundu\*, Room temperature acetone sensing performance of Pt/Sb<sub>2</sub>O<sub>3</sub> impregnated Fe<sub>2</sub>O<sub>3</sub> thin film: Noninvasive diabetes detection, Microchemical Journal 165 (2021) 106111, (**I.F-3.5**)
7. Susmita Kundu, Amit Kumar, Sovandeb Sen, Amit Nilabh, Biosynthesis of SnO<sub>2</sub> and comparison of its CO sensing performance with conventional process, Journal of Alloys and Compounds, 818 (2020) Article: 152841 (**I.F. 6.4**)
8. Amit Nilabh, Sovandeb Sen, Mousumi Narjinary, Susmita Kundu, “A novel ppm level ethanol sensor based on La loaded ITO impregnated with Pd and Sb additives”, Microchemical Journal, 158 (2020) 105146 (**I.F. 3.5**)
9. Dewan S. Rahman , Sudip Kumar Pal , Shibshankar Singha , Susmita Kundu , Soumen Basu and Sujit Kumar Ghosh, Spectral characteristics upon harvesting plasmonic hot electrons at the Ag/ZnO hetero microstructures, Materials advances, 1 (2020) 2897-2907
10. Susmita Kundu, Amit Kumar, “Low concentration ammonia sensing performance of Pd incorporated indium tin oxide”, Journal of Alloys and Compounds 780 (2019) 245-255. (**I.F. 4.6**)

11. Susmita Kundu, R. Sudarshan, Mousumi Narjinary, "Pd impregnated gallia : tin oxide nanocomposite - an excellent high temperature carbon monoxide sensor", *Sensor and Actuator B*, 254 (2018) 437-447. **(I.F. 9.3)**
12. Susanta Bera, Susmita Kundu, Hasmnat Khan, Sunirmal Jana, "Polyaniline coated graphene hybridized SnO<sub>2</sub> nanocomposite: Low temperature solution synthesis, structural property and room temperature ammonia gas sensing", *Journal of Alloys and Compounds* 744 (2018) 260-270. **(I.F. 4.6)**
13. Hasimur Rahaman, Susmita Kundu, Sujit Kumar Ghosh, "Size-selective silver-induced evolution of Mn<sub>3</sub>O<sub>4</sub>-Ag nanocomposites for effective ethanol sensing", *Chemistry Select*, 2 (2017) 6991–6999. **(I.F. -1.8)**.
14. Arijit De, Susmita Kundu, "Dielectric properties of gel calcined Cd-Zn oxide nanocomposites", *Journal of Ceramic Science & Technology*, 8 (2017) 463-470. **(I.F. -1.2)**.
15. Arijit De, Graceson Antony, Susmita Kundu, "Enhanced ethanol sensing performance of gel calcined Cd-Sn oxide nanocomposites", *Journal of Materials Science: Materials in Electronics*, 28 (2017) 1555–1561. **(I.F. -2.5)**.
16. Atanu Naskar, Mousumi Narjinary, Susmita Kundu, "Unconventional synthesis of  $\gamma$  Fe<sub>2</sub>O<sub>3</sub>: Excellent low-concentration ethanol sensing performance", *Journal of Electronic Materials*, 46 (2017) 478-487. **(I.F. -2.1)**.
17. Arijit De and Susmita Kundu, "Synthesis and study of gel calcined Cd-Sn oxide nanocomposites", *Journal of Materials Engineering and Performances*, 25 (2016) 2746-2751. **(I.F. -1.2)**.
18. Susmita Kundu, Iyappan Subramanian, Mousumi Narjinary, Raju Manna, "Enhanced performance of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>:WO<sub>3</sub> nanocomposite towards selective acetone vapor detection", *Ceramics International*, 42 (2016) 7309-7314. **(I.F. -5.5)**.
19. Susmita Kundu, Pr. Kalees Warran, Md. Mursalin, Mousumi Narjinary, "Synergistic effect of Pd and Sb incorporation on ethanol vapour detection of La doped tin oxide sensor", *Journal of Materials Science: Materials in Electronics*, 26 (2015) 9865–9872. **(I.F. -2.5)**.
20. Arnab Kanti Giri, Arka Saha, Aniruddha Mondal, Subhash Chandra Ghosh, Susmita Kundu, Asit Baran Panda, "Rectangular ZnO porous nano-plate assembly with excellent acetone sensing performance and catalytic activity", *RSC Advances*, 5 (2015) 102134-102142. **(I.F. -4.06)**.
21. Susmita Kundu, Abhik Choudhury, Sk. Md. Mursalin, Mousumi Narjinary, Raju Manna, "Synthesis, characterization and low concentration ethanol sensing performance of sol-gel derived La(III) doped tin oxide", *Journal of Materials Science: Materials in Electronics* 26 (2015) 6252–6260. **(I.F. -2.5)**.

22. Susmita Kundu, Nilanjana Das, Dipten Bhattacharya and Prasanta Kumar Biswas, "Synthesis of sol-gel based nanostructured Cr(III) doped indium tin oxide films on glass and their optical and magnetic characterizations", *Optical Materials*, 35 (2013) 1029-1034. **(I.F. -2.7)**.
23. S. Mondal, S. Mahata, S. Kundu and B. Mondal, "Processing of natural resourced hydroxyl apatite ceramics from fish scale", *Advances in Applied Ceramics*, 109 (2010) 234-239. **(I.F. -2.1)**.
24. Prasanta Kumar Biswas, Susmita Kundu, Sunirmal Jana, Nilanjana Das and Dipten Bhattacharya, "Photoluminescence of magnetic ion doped nanostructured indium tin oxide films", *Advances in Optical Materials*, 11(2009) AWA4 (3pages). **(I.F. -2.3)**.
25. Susmita Kundu, Dipten Bhattacharya, Jiten Ghosh, Pintu Das, Prasanta Kumar Biswas, "Ferromagnetism in transparent Mn(II)-doped indium tin oxide films prepared by sol-gel coating", *Chemical Physics Letters*, 469 (2009) 313-317. **(I.F. 2.3)**
26. B Mondal, S Kundu, A K Lohar and B C Pai, "Net-Shape manufacturing of intricate components of A356/SiC<sub>p</sub> composite through RP-integrated investment casting", *J. of Mater. Sci. & Engg. Vol-A*, 498 (2008) 59-64. **(I.F. 2.5)**
27. Susmita Kundu, Prasanta Kumar Biswas, "Synthesis of nanostructured sol-gel ITO films at different temperatures and study of their absorption and photoluminescence properties", *Optical Materials*, 31 (2008) 429-433. **(I.F. 2.1)**
28. S. Kundu et al., "Effect of Mn doping on the structural, morphological, optical and magnetic properties of indium tin oxide films", *Journal of Materials Science: Materials in Electronics*, 18 (2007) 1197-1201. **(I.F. 2.5)**
29. B. Mondal, S. Kundu, "Novel synthesis of Advanced Composites of  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Reinforced with Ce-TZP through Co-precipitation Process", *Advances in applied Ceramics*, 206 (2006) 222-227. **(I.F. 2.1)**
30. Susmita Kundu, Prasanta Kumar Biswas, "Synthesis and photoluminescence property of nanostructured sol-gel Mn(II) doped indium tin oxide films on glass *Chemical Physics Letters*, 432(2006) 508-512. **(I.F. 2.1)**
31. Susmita Kundu, Prasanta Kumar Biswas, "Synthesis and photoluminescence property of nanostructured sol-gel indium tin oxide films on glass", *Chemical Physics Letters*, 414 (2005) 107-110. **(I.F. 2.1)**
32. Susmita Kundu, Sunirmal Jana, Prasanta Kumar Biswas, "Quantum confinement effect of in-situ generated Cu<sub>2</sub>O in nanostructured zirconia matrix", *Materials Science*, 23(2005) 7-14. **(I.F. 1.1)**