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Publications

1. E Vinoth and N Gopalakrishnan, Fabrication of interdigitated electrode (IDE) based ZnO sensors for room temperature ammonia detection, Journal of Alloys and Compounds 824 (2020) 153900
2. E Hemalatha and N Gopalakrishnan, Synthesis of ZrO2 nanostructure for gas sensing application, Bulletin of Materials Science 43 (2020) 12
3. Pramila Ponnaiyan and Gopalakrishnan Nammalvar, Enhanced performance of PSF/PVP polymer membrane by silver incorporation, Polymer Bulletin 77 (2020) 197-212
4. P. Pramila and N.Gopalakrishnan, Enhancement of the PSF/PVP membrane performance by Ag-ZnO incorporation, Materials Research Express 6 (2019)115006
5. Sivanantham Nallusamy and Gopalakrishnan Nammalvar, Enhancing the saturation magnetisation in Ni doped ZnO thin films by TOPO
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7. E Hemalatha and N Gopalakrishnan, Gas sensing performances of pure and Cu-doped ZrO2 nano structures, Applied Physics A 125 (2019) 493
8. Pramila Ponnaiyan and Gopalakrishnan Nammalvar, Effect of additives on graphene oxide incorporated polysulfone (PSF) membrane, Polymer Bulletin 76 (2019) 4003-4015
9. P. Pramila and N. Gopalakrishnan, Fabrication and characterization of pristine and GO incorporated pristine membranes for water purification, AIP Conference Proceedings 2115 (2019) 030273.
10. Bhuvaneshwari, Sakthivel, and N.Gopalakrishnan, Selective ammonia sensor based on copper oxide/reduced graphene oxide
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12. S Bhuvaneshwari, N Gopalakrishnan, Effect of Fe doping on the NH3 sensing properties of CuO nanostructures, Journal of Materials Science: Materials in Electronics 30 (2019) 6920-6928.

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17. E.Vinoth, S.Gowrishankar and N.Gopalakrishnan, Gas sensing performance of RF magnetron sputtered Mg doped ZnO thin films, Applied Physics A 124 (2018) 433.
18. P.Pramila and N.Gopalakrishnan, Enhancement of antibacterial activity in the nanofillers incorporated PSF/PVP membranes, Materials Research Express 5 (4), (2018) 045306
19. P.Pramila and N Gopalakrishnan, Effects of ZnO incorporation on PSF-PEG mixed matrix membrane, AIP Conference Proceedings 1942 (2018) 080005
20. E Vinoth and N Gopalakrishnan, Effect of temperature on NH3 sensing by ZnO: Mg thin film grown by radio frequency magnetron sputtering technique, AIP Conference Proceedings 1942 (2018) 080058
21. S.Bhuvaneshwari and N Gopalakrishnan, CuO mesostructures as ammonia sensors, American Institute of Physics Conference Series 1942 (2018) 50114
22. Sivanantham Nallusamy and N.Gopalakrishnan, Enhancement of ferromagnetism in Thiol functionalized Mn doped ZnO thin films, Materials Research Express 5 (2018) 026418
23. P Ponnaiyan, N.Gopalakrishnan, Effect of additive on Graphene oxide incorporated polysulfone (PSF) membrane, Polymer Bulletin (2018)1-13.
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