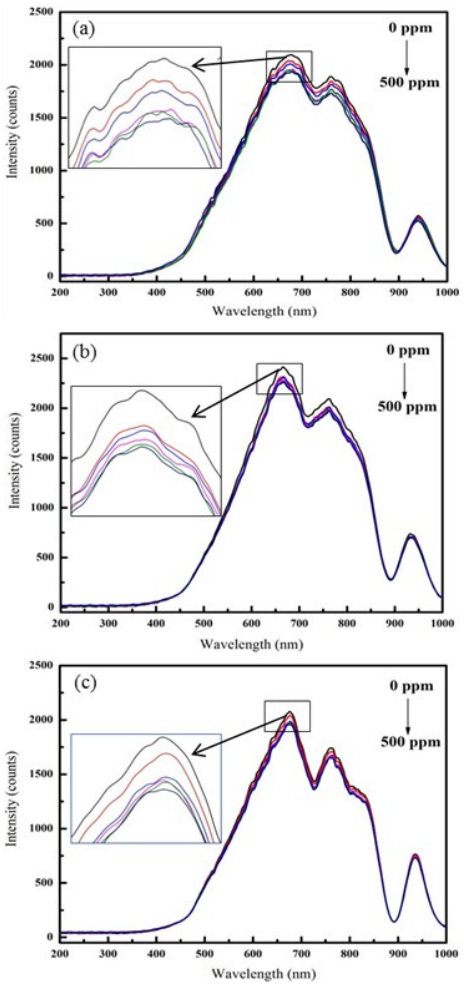
Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary Information

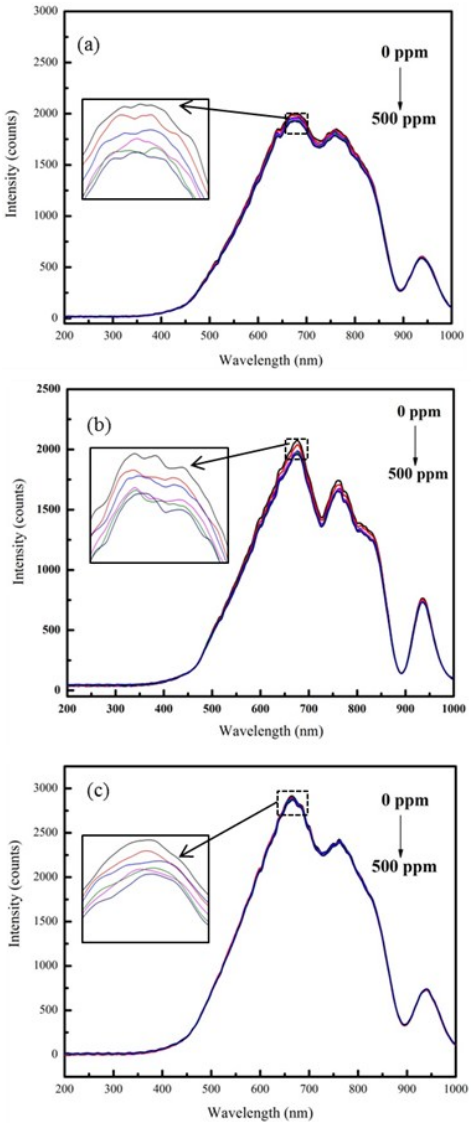
Effect of Functional Groups on Dielectric, Optical Gas Sensing Properties of Graphene Oxide and Reduced Graphene Oxide at Room Temperature

T. Kavinkumar[a], D. Sastikumar[b] and S. Manivannan*[a]

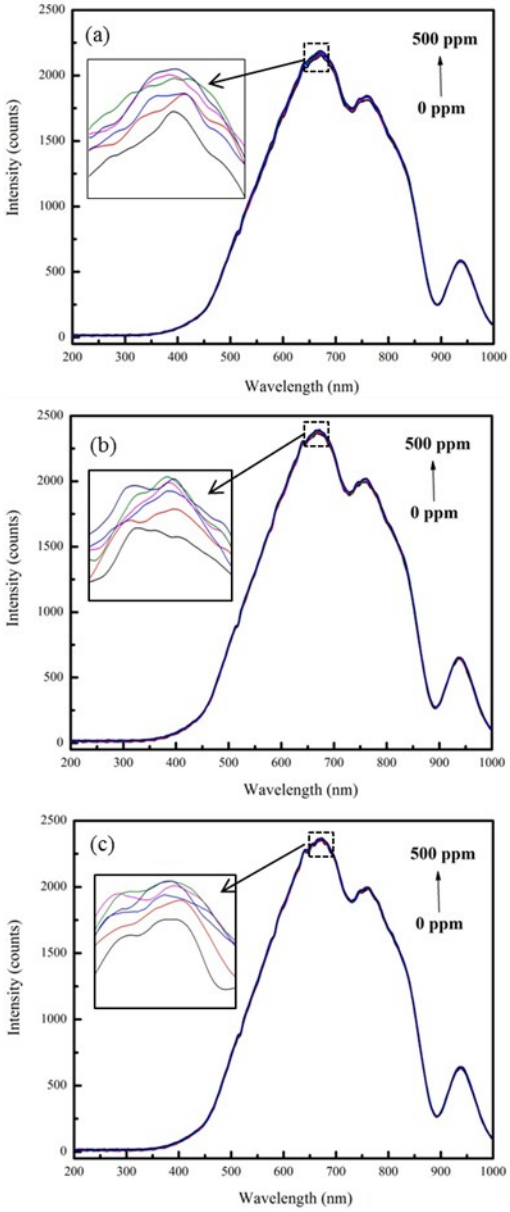
[a]Carbon Nanomaterials Laboratory, Department of Physics,
National Institute of Technology, Tiruchirappalli- 620 015, India.
[b]Department of Physics, National Institute of Technology, Tiruchirappalli 620 015, India
*Corresponding author's email:ksmani@nitt.edu, ksmaniphysics@yahoo.com
Tel.: +91-431-2503616, Fax: +91-431-2500133



SI.1 Spectral response of GO for (a) ammonia (b) ethanol and (c) methanol.



SI.2 Spectral response of GO_{110} for (a) ammonia (b) ethanol and (c) methanol.



SI.3 Spectral response of GO_{220} for (a) ammonia (b) ethanol and (c) methanol.