

ABSTRACT

Conducting polymers can be used as the active layers of sensor. They are easy to be synthesized through chemical processes, and their molecular chain structure can be modified conveniently by structural derivation. My effort is focused on the use of PANi- SnO₂ composite film to sense thiourea (N₂H₄CS). I also try with pure polyaniline film and SnO₂ film to sense the thiourea (N₂H₄CS) and compare the individual sensitivity of the two samples with the composite one. Since thiourea is a suitable reducing agent for the three samples so it changes the current of the samples and we can measure the sensitivity.