

Sensing Mechanism of GO and V₂O₅ Metal Oxides Films for Ethanol Gas

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Abstract: GO and V₂O₅ powders and films are frequently developed by a screen-printing technique. The sensing properties of mixed metal oxide-based material depend upon its chemical, physical characteristics and amount of mixing of two metal oxides, which are strongly kept in to the preparation conditions, dopant and grain size. This praisers that the development of the sensor thick film is a one of important step within the preparation of good mixed metal oxide semiconductor gas sensors. Sensing properties of thick film studied by at different concentration of carbon dioxide gas and also study surface morphology of sample by using SEM. Also studied the stability and dynamic response of sensor against sensing gas.

Keywords: GO:V₂O₅; screen-printing technique; Ethanol gas sensor

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