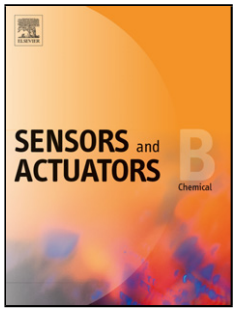

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High-Performance QCM Humidity Sensor Based on Graphene Oxide/Tin Oxide/Polyaniline Ternary Nanocomposite Prepared by In-Situ Oxidative Polymerization Method

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Highlights

- Graphene oxide/tin dioxide/polyaniline (GO/SnO_2/PANI) nanocomposite–based QCM humidity sensor was fabricated.
- QCM sensing properties of GO/SnO_2/PANI nanocomposite toward humidity were investigated.
- The sensing mechanism and Langmuir adsorption model of GO/SnO_2/PANI film was discussed.