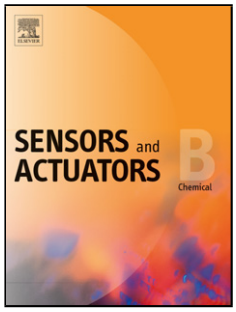

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Development of a nanocomposite chemiresistor sensor based on π-conjugated azo polymer and graphene blend for detection of dissolved oxygen

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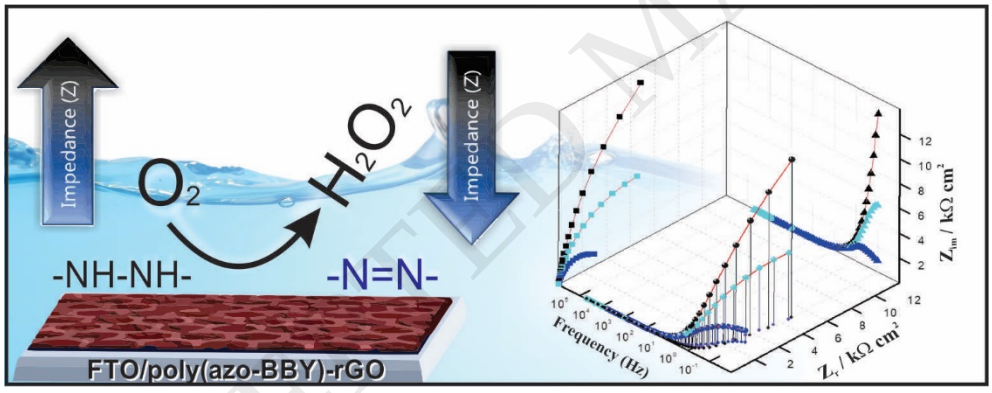
Graphical Abstract



Highlights

- The investigation of the charge transfer of a chemiresistor material in the presence of different concentrations of molecular oxygen.
- The resistance values of the material are very sensitive to variations in the O2 concentration.
- The sensor exhibited good repeatability in the overall response of the chemiresistor per regeneration cycle.