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# Development of a nanocomposite chemiresistor sensor based on $\pi$ -conjugated azo polymer and graphene blend for detection of dissolved oxygen

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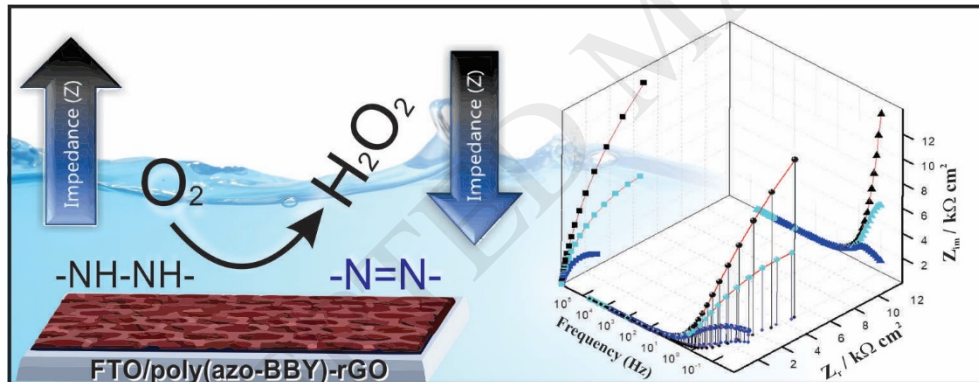
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## Graphical Abstract



## 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  $O_2$  concentration.
- The sensor exhibited good repeatability in the overall response of the chemiresistor per regeneration cycle.

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