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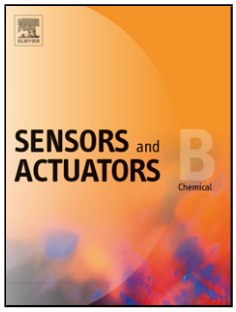

Title: Dual-emissive Electropolymerization Films for the Ratiometric Fluorescence Detection of TNT and TNP with High Sensitivity and Selectivity

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Dual-emissive Electropolymerization Films for the Ratiometric Fluorescence Detection of TNT and TNP with High Sensitivity and Selectivity

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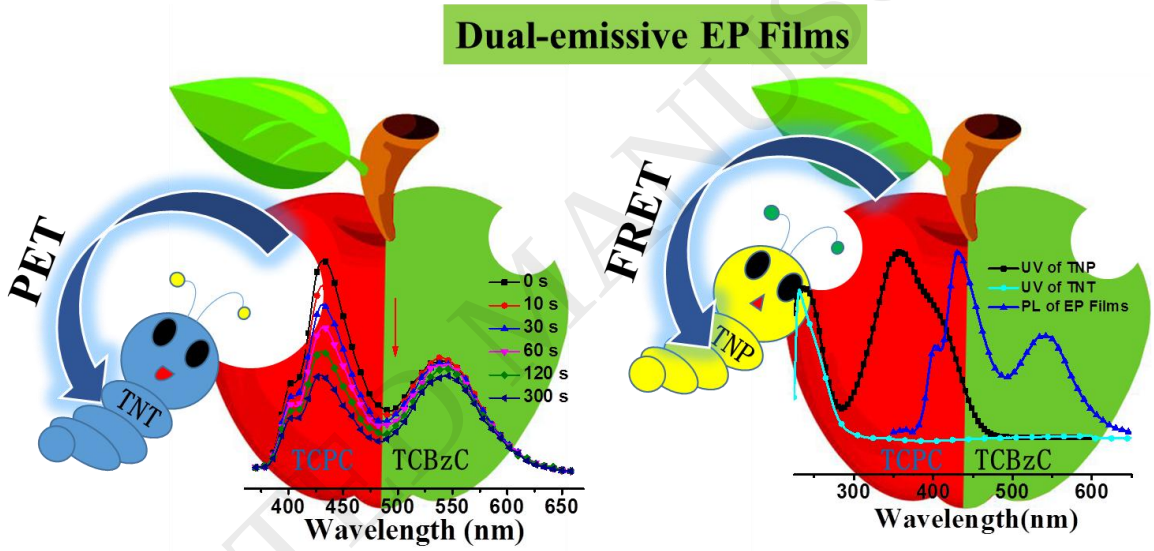
Graphical Abstract



Highlights

- A dual-emissive fluorescence film was prepared through electropolymerization (EP) method.
- TNT and TNP can be easily distinguished according to the intensity ratio of I_{540}/I_{431}.
- The obvious emission changes can be observed.
- EP films also can be used in real-world water for TNT detection, and the films can be used repeatedly.

Abstract:

A dual-emissive fluorescence film was prepared through electropolymerization (**EP**) method, which presents dual-emission around 431 nm and 540 nm, respectively. Then,