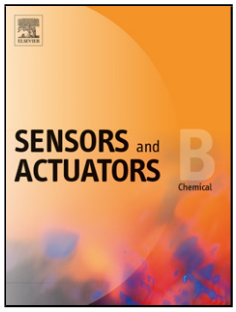

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Three-dimensional graphite paper based imprinted electrochemical sensor for tertiary butylhydroquinone selective recognition and sensitive detection

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Research Highlights

- ► A exfoliated graphite paper was used as a electrode substrate.
- ► Sensor displayed a 3D structure with uniform coated AuNPs and MIP
- ► Good conductivity of AuNPs and EGP, and large surface area of EGP improved the sensitivity of the sensor.
- ► MIP endowed the sensor with good recognition capacity for TBHQ from its analogues.
- ► Low cost and facile preparation facilitates the present approach promising.