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Authors: Limei Fan, Qingqing Hao, Xianwen Kan

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

Limei Fan, Qingqing Hao, Xianwen Kan*

College of Chemistry and Materials Science, Anhui Normal University, Wuhu 241000, P.R. China; The Key Laboratory of Functional Molecular Solids, Ministry of Education; Anhui Laboratory of Molecule-Based Materials, Anhui Key Laboratory of Chemo-Biosensing.

*Corresponding author:

Xianwen Kan

E-mail: kanxw@mail.ahnu.edu.cn;

Tel: +86-553-3937135;

Fax: +86-553-3869303.

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.

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