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Gold-coated Nanostructured Carbon Tape for Rapid Electrochemical Detection of Cadmium in Rice with in Situ Electrodeposition of Bismuth in Paper-based Analytical Devices

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Highlights

- Conductive carbon tape was sputtered with gold with just 10 seconds for detection of Cadmium
- Au-modified Nanostructure of carbon tape for improvement of stripping analysis of Cadmium
- Rice with 0.2 grams could be used for detection of Cadmium with about one-hour heating

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