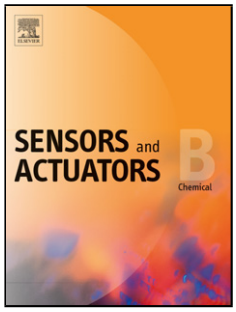

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Label-free electrochemical biosensor for the detection of Influenza genes and the solution of guanine-based displaying problem of DNA hybridization

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Highlights

- The direct electrochemical detection of Influenza A and B viruses by using simple carbon transducer without any surface modification was presented.
- This is the first study that contains the solution of electrochemical displaying problem of DNA hybridization based on guanine oxidation signal.
- The effect of differences in the number of inosine in probe DNA on hybridization imaging was assessed.