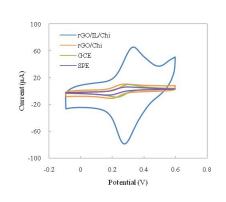
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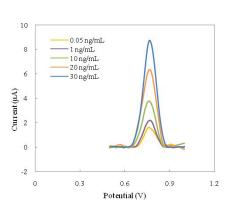
An anti-passivation ink for the preparation of electrodes for use in electrochemical immunoassays

Key words: Electrochemical immunoassay, Electrode ink, Antipassivation, Ionic liquid, *P*-nitrophenol

Research Summary

A novel anti-passivation electrode for electrochemical immunoassay by directly writing a graphene-ionic liquid-chitosan composite on a single-side conductive gold strip was developed. This paper includes following aspects:



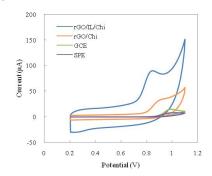












Innovation points

 Environmentally friendly
 No organic solvents were used in the fabrication process

- Superior performance in detecting *P*-nitrophenol, because of the application of graphene and ionic liquid
- Anti-passivation
 when P-nitrophenol was present in the solution, because of the use of ionic liquid

