

Supplementary Material

A portable acetylcholinesterase-based electrochemical sensor for field detection of organophosphorus

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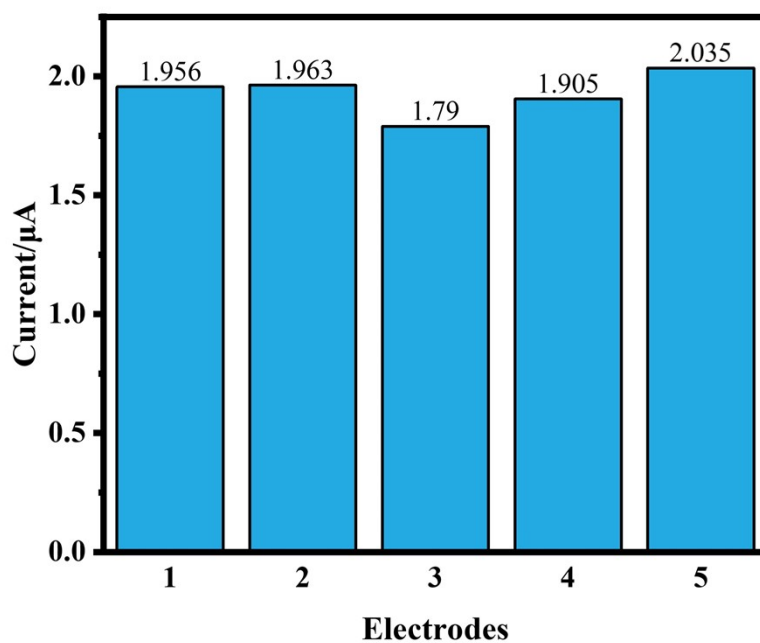


Fig. S1. Repeatability study of SPCE/GR/AuNPs/AChE/Nafion sensors. Five SPCE/GR/AuNPs/AChE/Nafion sensors were prepared in the same way and then the sensor signals were measured after incubation with ICP at a concentration of 10ug/L.

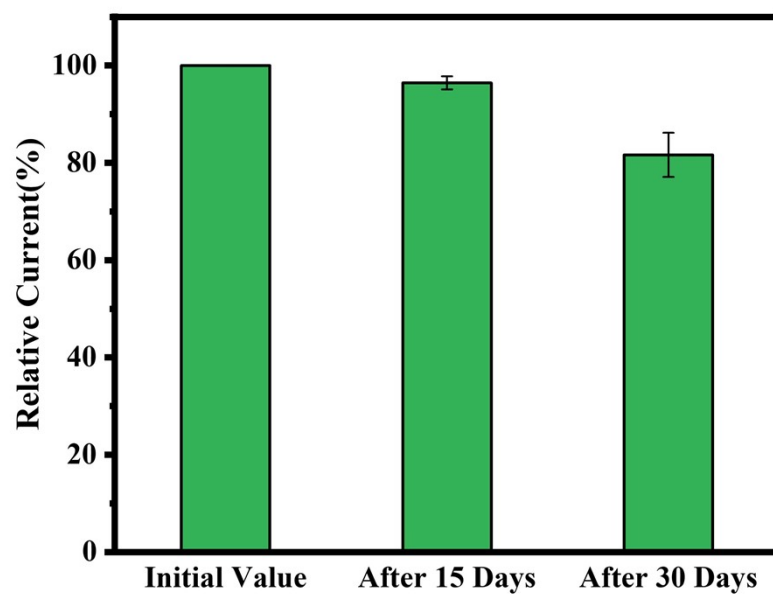


Fig. S2. Stability study of SPCE/GR/AuNPs/AChE/Nafion sensors. Three groups of SPCE/GR/AuNPs/AChE/Nafion sensors (three per group) were prepared in the same way, and the initial signal, the signal after 15 days of dry storage in a 4°C refrigerator, and the signal after 30 days of dry storage in a 4°C refrigerator were measured.

