Supporting Information

The preparation of flexible AuNPs modified carbon cloth electrode and its application on electrochemical detection of Hg (II) by continuous flow way in environmental water

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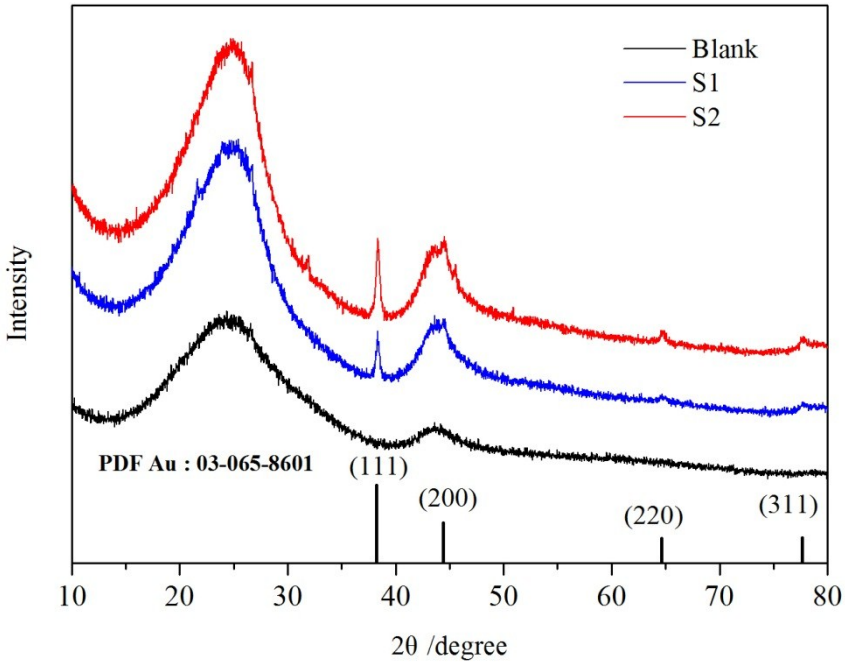

Figure S1. The XRD patterns of different sample:

(Blank). Raw carbon cloth sample;

(S1). Freshly prepared AuNPs carbon cloth sample;

(S2). The prepared electrode used for 30 times.

Figure S2. (a) The enlarged SEM image of AuNPs modified carbon cloth electrode and (b, c) the corresponding elements map of Au and C,

(d) The EDX spectra of the AuNPs modified carbon cloth.

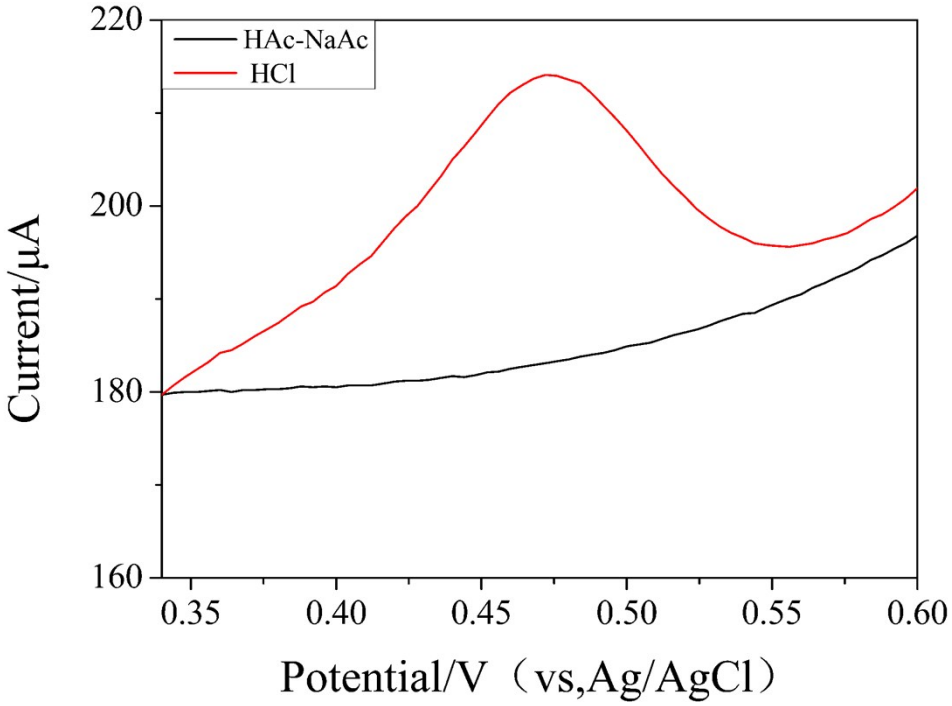

Figure S3. The curve of stripping response under different buffer solution (0.1 M HAc-NaAc and 0.2 M HCl) of 100 μg/L Hg^{2+}

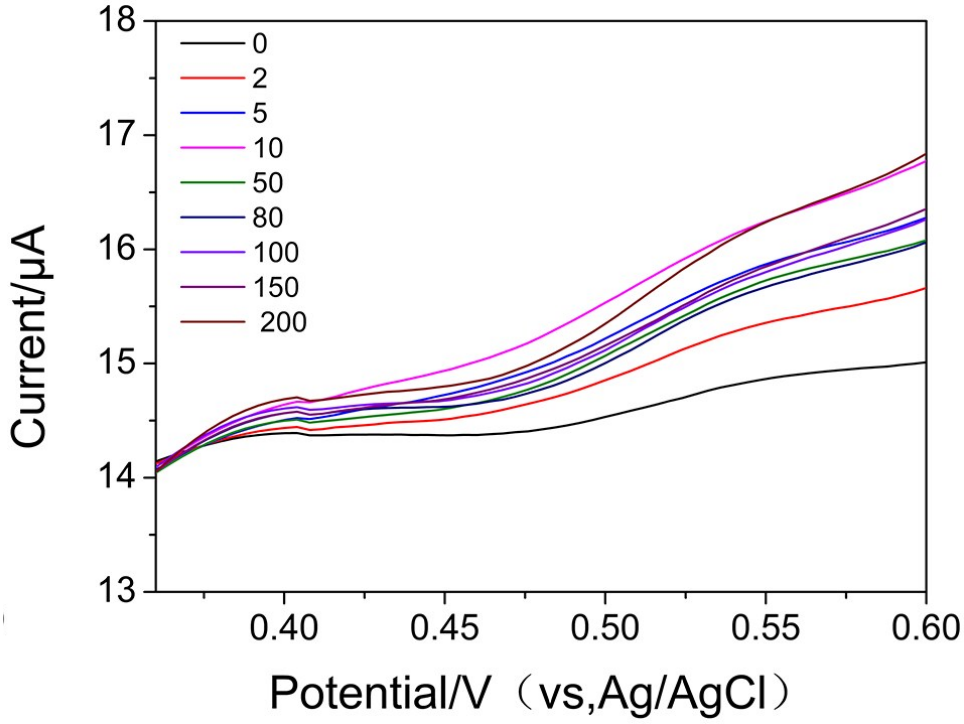

Figure S4. The stripping voltammetric curves of blank carbon cloth with different Hg^{2+} concentrations (bottom to top: 0, 2, 5, 10, 50, 80, 100, 150 and 200 μg/L)

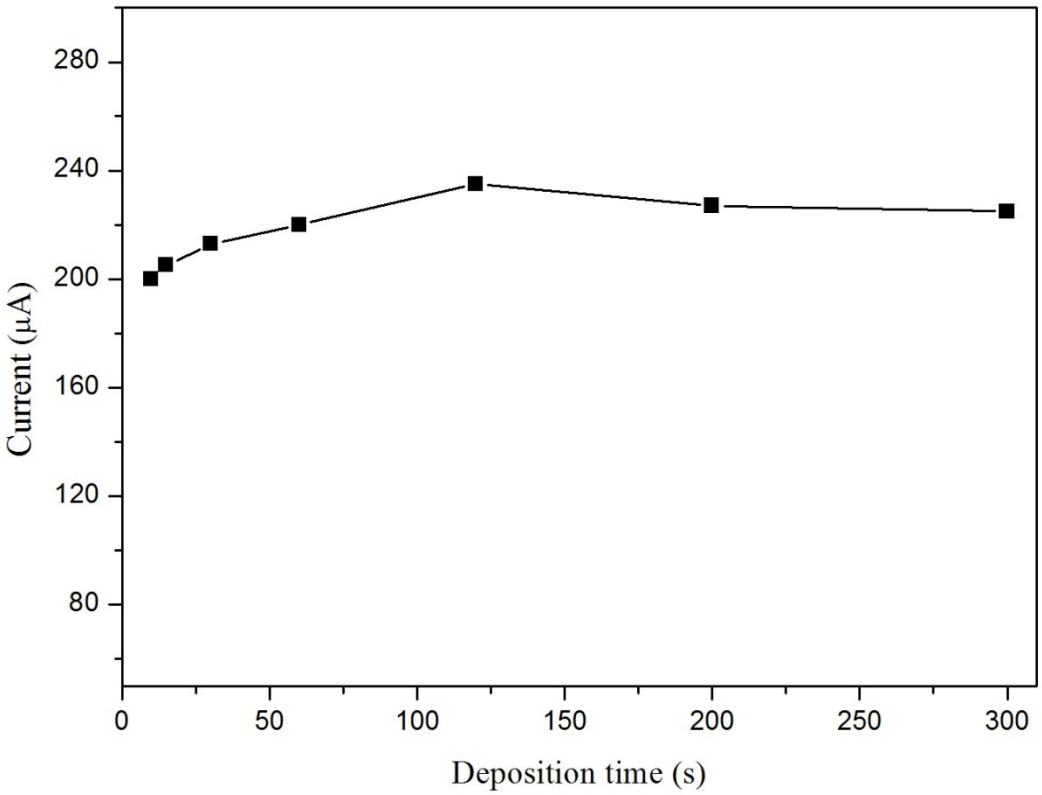

Figure S5. The stripping current peaks changes with the deposition time under the SWSV method.