Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supporting Information

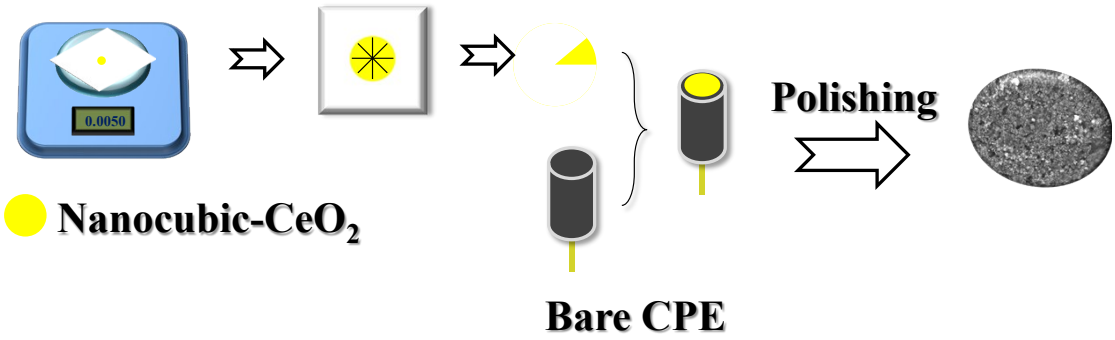

Fig. S1 The schematic diagram of the fabrication procedure of CeO_2/CPE.

Table S1 The analytical parameters obtained in the stability assessment.

Numbers	Current Response (*I* / μA)	Response retention ratio (%)
1	-5.753	100.0%
2	-5.543	96.3%
3	-5.619	97.6%
4	-5.476	95.2%
5	-5.332	92.7%
6	-5.037	87.6%
7	-4.798	83.4%
8	-4.759	82.7%
9	-4.753	82.6%
10	**-4.424**	**76.9%**

Table S2 The analytical parameters obtained in the reproducibility assessment.

Numbers	Current Response (*I* / μA)	Peak Potential (*E* / V)
1	-4.568	0.546
2	-4.569	0.558
3	-4.226	0.562
4	-4.375	0.548
RSD	**3.75%**	**1.40%**

Table S3 The analytical parameters obtained in the repeatability assessment.

Numbers	Current Response (*I* / μA)	Peak Potential (*E* / V)
1	-4.003	0.562
2	-3.926	0.563
3	-4.053	0.563
4	-3.965	0.565
5	-3.951	0.566
6	-3.918	0.567
7	-3.850	0.568
8	-3.728	0.570
RSD	**2.53%**	**0.49%**

1 **Table S4** The effect of different interferents towards the determination of BPA at CeO_2/CPE.

Interference	**Concentration (mol·L^{-1})**	**Recovery (%)**
Mg^{2+}	5.0×10^{-4}	95.11%
Na^{+}	5.0×10^{-4}	94.25%
Cu^{2+}	5.0×10^{-4}	96.50%
Cl^{-}	5.0×10^{-4}	95.11%
NO^{3-}	5.0×10^{-4}	94.25%
SO_4^{2-}	5.0×10^{-4}	96.50%
Glucose	1.0×10^{-3}	95.73%
Fructose	1.0×10^{-3}	97.39%
Phenol	1.0×10^{-5}	97.22%
Catechol	1.0×10^{-5}	92.97%
Hydroquinone	5.0×10^{-5}	99.60%

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