

Supplementary Material of Snowflake-shaped poly (3-thiophenemalonic acid) combined with the carbonized ZIF-8@ZIF-67 hollow polyhedron for sensitive electrochemical detection of metronidazole

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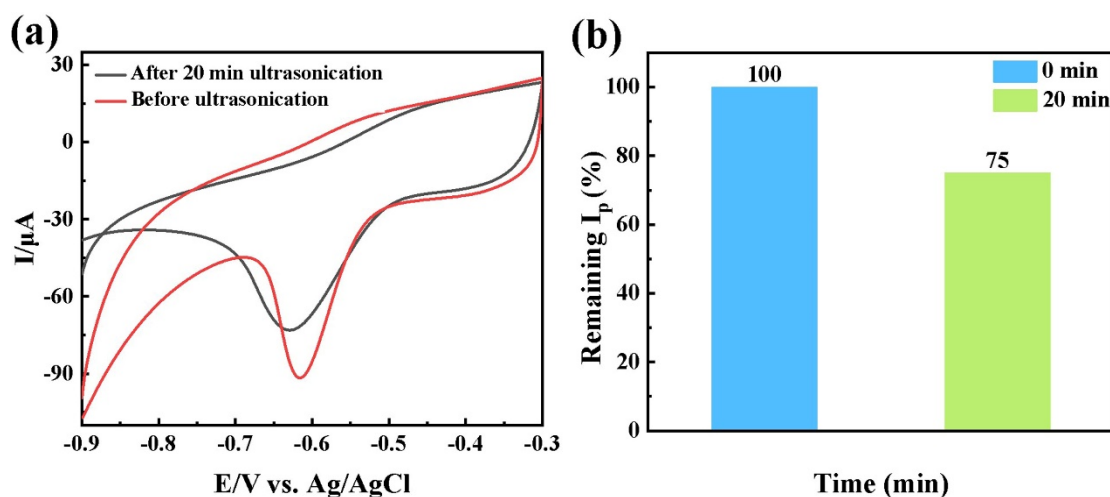


Fig. 1S. Sonication treatment for evaluating the mechanical stability of the C-ZIF-8@ZIF-67/P3TPA interfaces. (a) CV curves and (b) the corresponding remaining I_p percentage of C-ZIF-8@ZIF-67/P3TPA/GCE before ultrasonication and after ultrasonication (350 W, 20 min).

Table S1. The reproducibility of the C-ZIF-8@ZIF-67/3-TPA/GCE sensor towards 1 mM MNZ in 0.1 M PBS (pH 7).

	$I_1/\mu A$	$I_2/\mu A$	$I_3/\mu A$	$I_4/\mu A$	$I_5/\mu A$	RSD%
The same sensor	211.1	208.6	215.8	209.7	214.5	1.5
Different sensors	201.1	206.6	212.8	190.7	213.5	4.6