

# Supporting Information

## **Ti<sub>3</sub>AlC<sub>2</sub> MAX Phase Modified Screen-Printed Electrode for the Fabrication of Hydrazine Sensor**

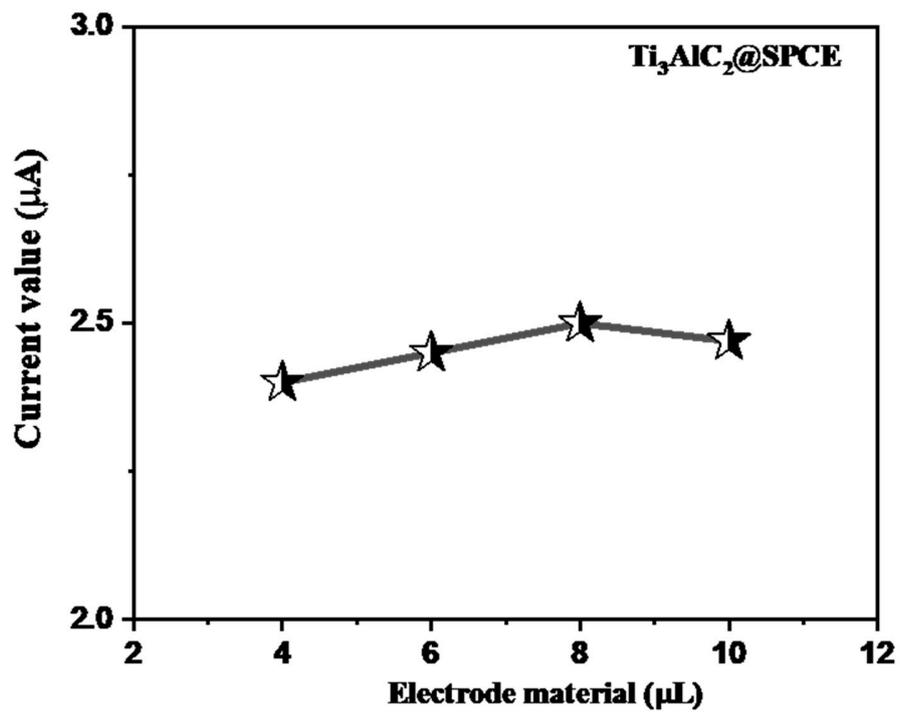
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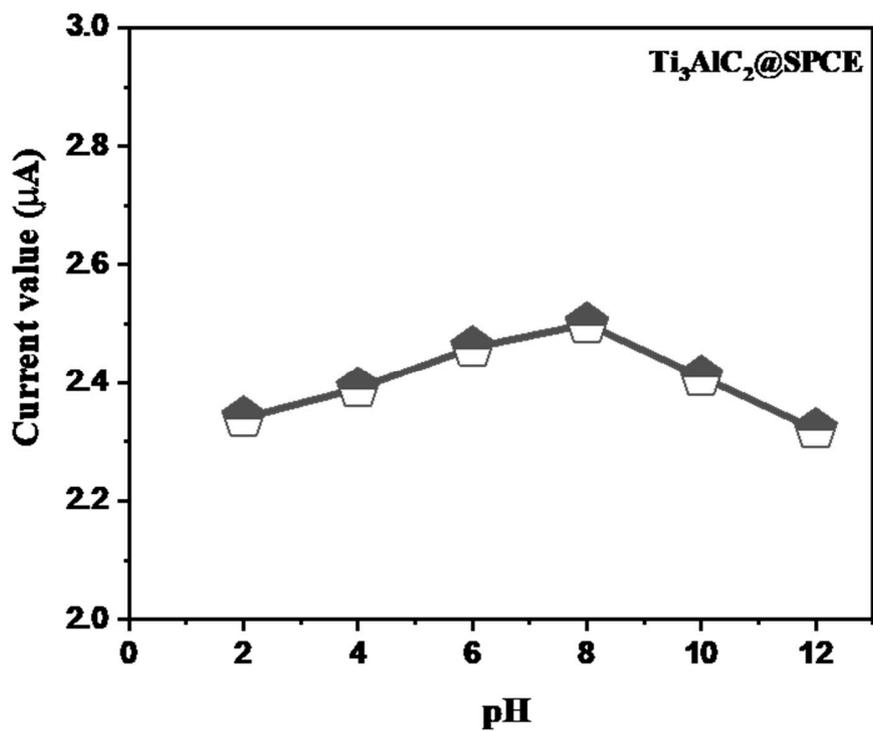
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**Figure S1.** Current responses of the different mass loading of the  $\text{Ti}_3\text{AlC}_2\text{@SPCE}$  in presence of  $55 \mu\text{M}$  Hz under the  $0.1 \text{ M}$  PBS conditions ( $\text{pH} = 8.0$ ) at the applied scan potential of  $50 \text{ mVs}^{-1}$ .



**Figure S2.** Current responses of the  $\text{Ti}_3\text{AlC}_2@\text{SPCE}$  in presence of  $55 \mu\text{M}$  Hz under the  $0.1 \text{ M}$  PBS conditions (pH = 2, 4, 6, 8, 10, and 12) at the applied scan potential of  $50 \text{ mVs}^{-1}$ .