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Highly stable $\text{Ti}_3\text{C}_2\text{T}_x$ (MXene)/Pt nanoparticles-modified glassy carbon electrode for H_2O_2 and small molecules sensing applications

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Highlights

- electrochemical characterization of MXene/PtNP modified GCE,
- characterization of MXene/PtNP by other optical methods,
- use of MXene/PtNP modified GCE for detection of H_2O_2 at 0 mV vs. Ag/AgCl with LOD=448 nM,
- application of MXene/PtNP modified GCE for detection AA, UA, DA and APAP,
- various membranes applied for modulation of selectivity of redox activity MXene/PtNP modified GCE.

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