

## Supporting information

### **A two-dimensional MXene-supported metal-organic framework for highly selective ambient electrocatalytic nitrogen reduction**

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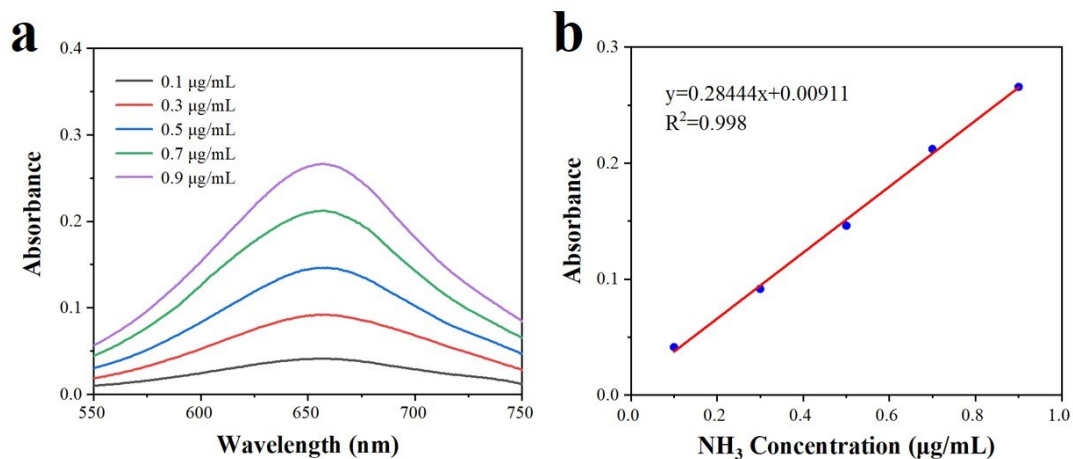
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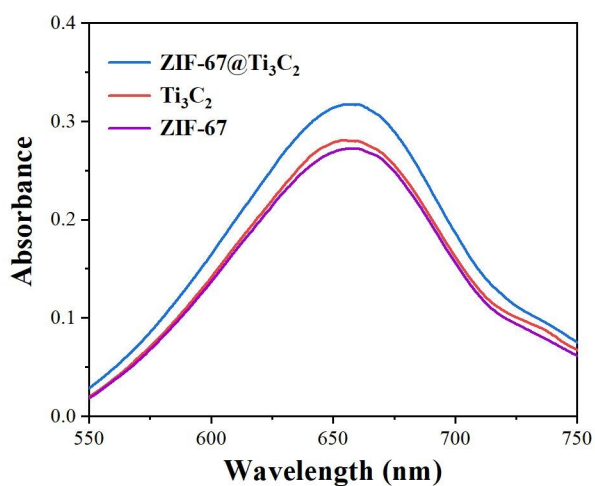
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**Fig. S1** (a) Ultraviolet–visible absorption spectra of  $\text{NH}_3$  standard solutions and (b) resulting calibration curve used for the  $\text{NH}_3$  concentration.



**Fig. S2** Ultraviolet–visible absorption spectra of different catalysts at  $-0.4$  V (vs. the reversible hydrogen electrode).