

# Enhanced Ammonia Gas Adsorption through Site-Selective Fluorination of Graphene

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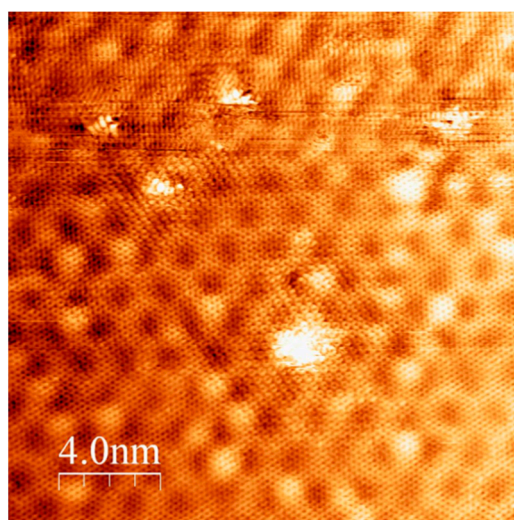
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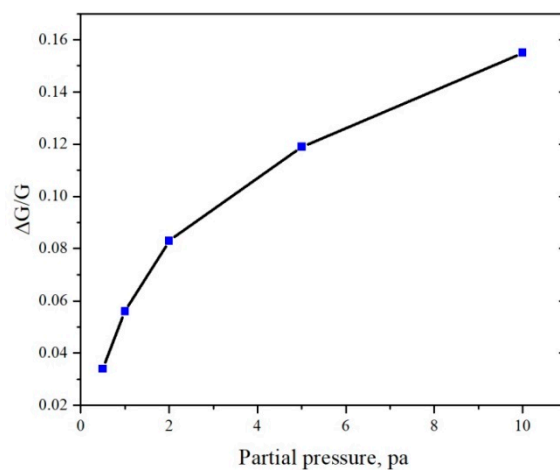
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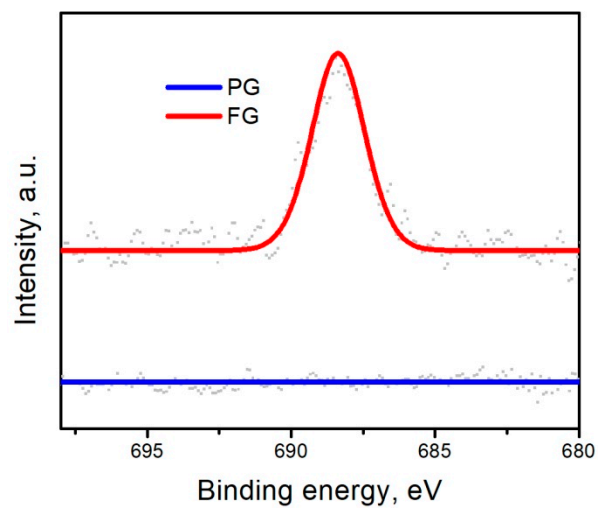
## Electronic supplementary information



**Figure S1.** Large area scanning tunneling microscopy image of fluorinated graphene.



**Figure S2.** Response of fluorinated graphene to  $\text{NH}_3$  as a function of partial pressure.



**Figure S3.** F1s XPS spectrum of pristine and fluorinated graphene.