

Supporting Information

Fingerprinting of Nitroaromatic Explosives Realized by Aphen-functionalized Titanium Dioxide

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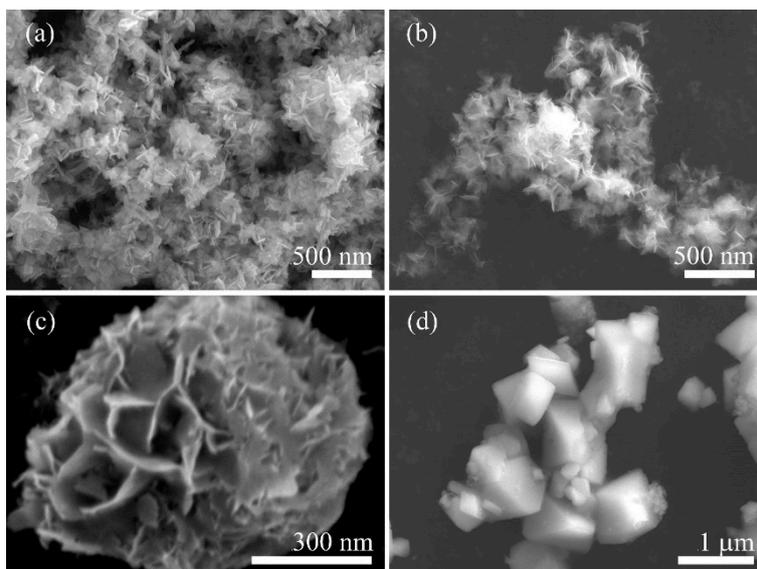


Figure S1. SEM images of TiO₂ regulated by (a) 0 mol, (b) 0.03 mol, (c) 0.06 mol, and (d) 0.12 mol of F ions.

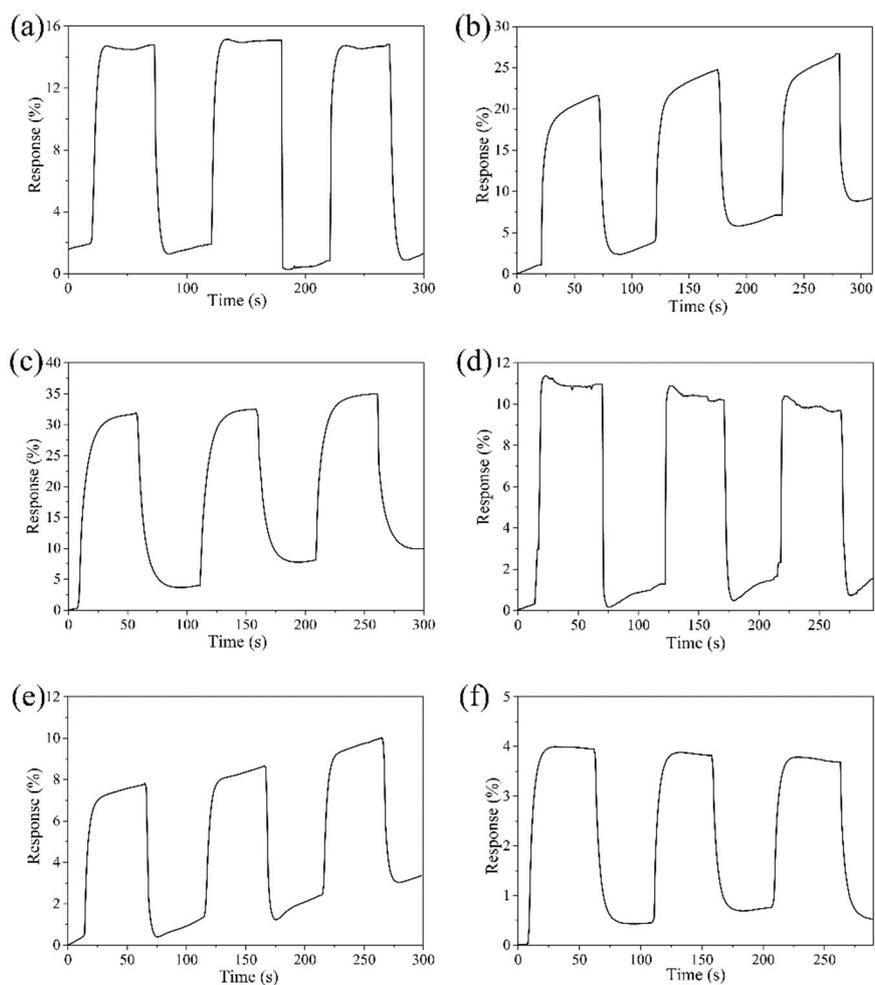


Figure S2. Response of pure TiO₂ to TNT (a), DNT (b), PA (c), S (d), AN (e) and TATP (f) under 365 nm illumination.

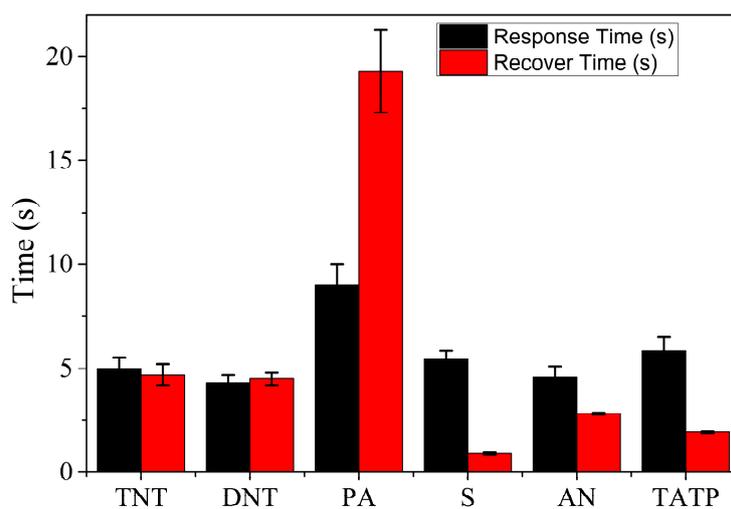


Figure S3. Response time and recover time of pure TiO₂ to different explosives under 365 nm illumination.

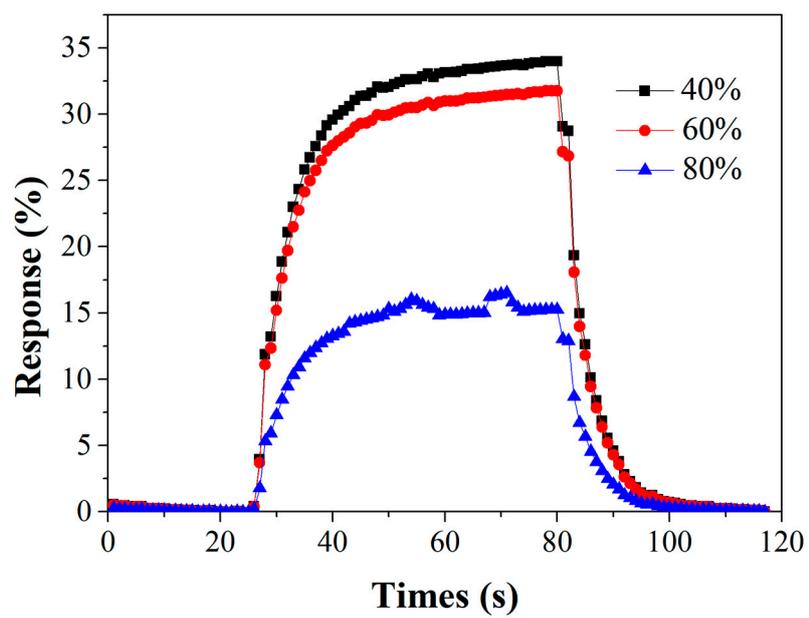


Figure S4. Effect of the humidity of $\text{TiO}_2/\text{Aphen}$ to TNT under the illumination of 365 nm.