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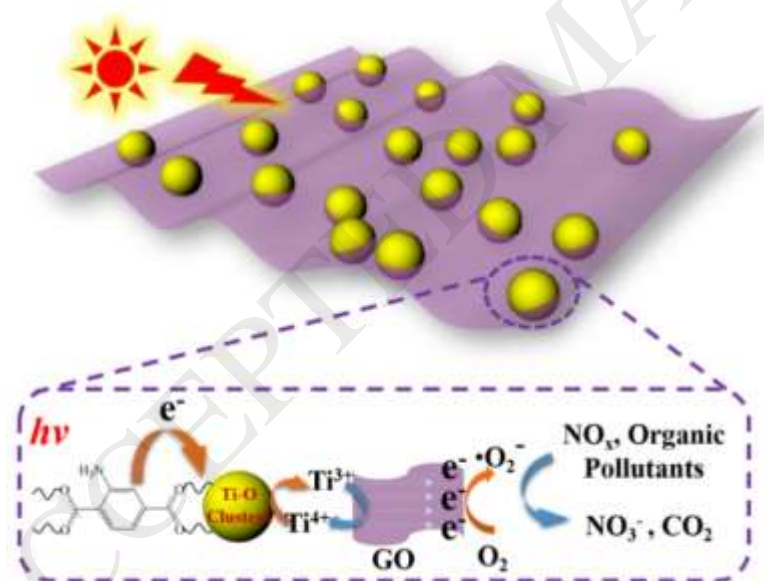
## Graphene Oxide Enhanced Amine-Functionalized Titanium Metal Organic Framework for Visible-Light-Driven Photocatalytic Oxidation of Gaseous Pollutants

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### Graphical abstract



Graphene oxide (GO) enhanced amine-functionalized titanium metal organic framework (NH<sub>2</sub>-MIL-125(Ti)) was fabricated via a facile microwave solvothermal process. Benefiting from the strong interaction and high electronic conductivity of GO, the as-obtained hybrid system was proved highly efficient for photocatalytic oxidation of gaseous pollutants (NO<sub>x</sub>) and acetaldehyde with long durability, under visible light ( $\lambda > 420$  nm) irradiation.

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