

Electronic Supplementary Information (ESI) for

## Low temperature combustion synthesis of nitrogen-doped graphene for metal-free catalytic oxidation

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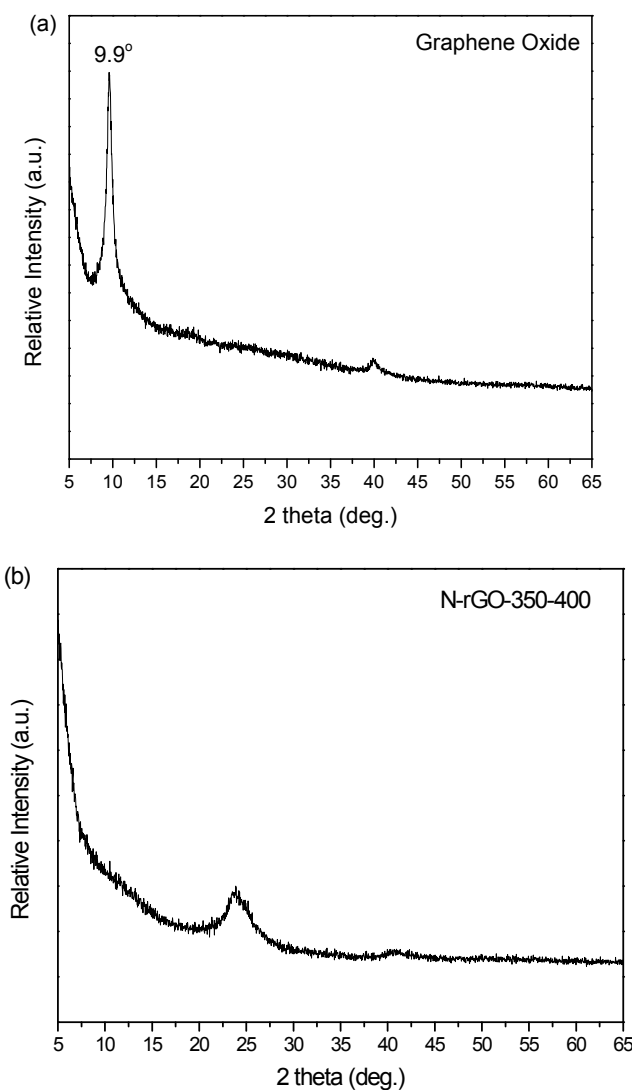
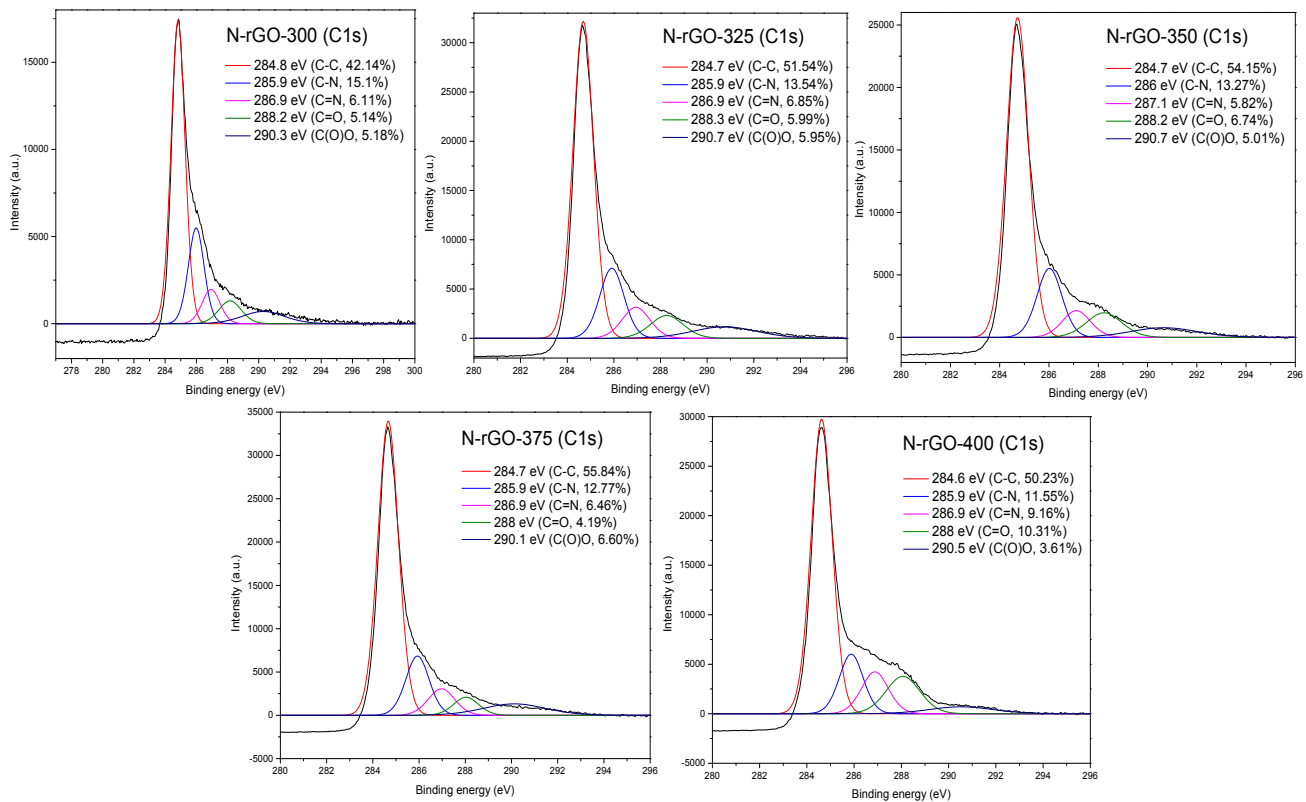
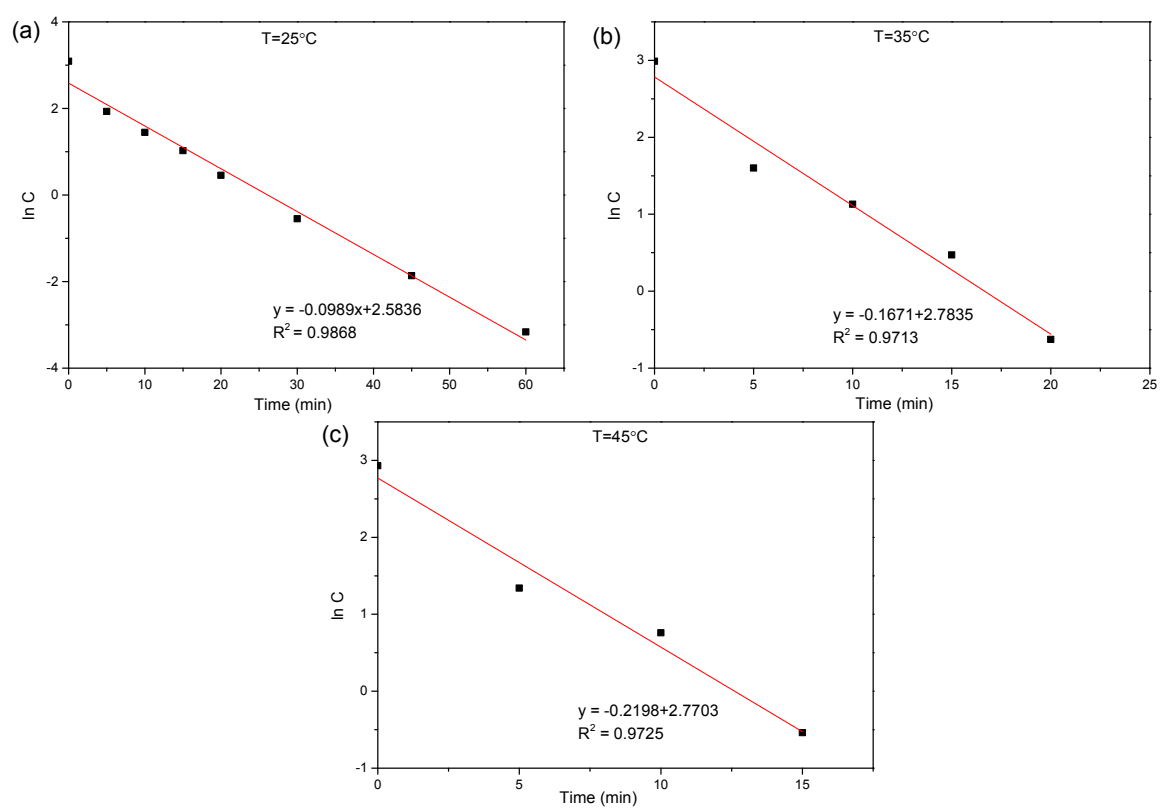


Figure S1 XRD patterns of (a) graphene oxide and (b) N-rGO-350-400.



**Figure S2** XPS C 1s spectra of N-rGO synthesized at different thermal annealing temperatures.



**Figure S3** First order kinetics of N-rGO-350 at 25, 35 and 45 °C.