

Supporting Information

Role of carboxylic acid group in reduction of nitric oxide by carbon at low temperature, as exemplified by graphene oxide

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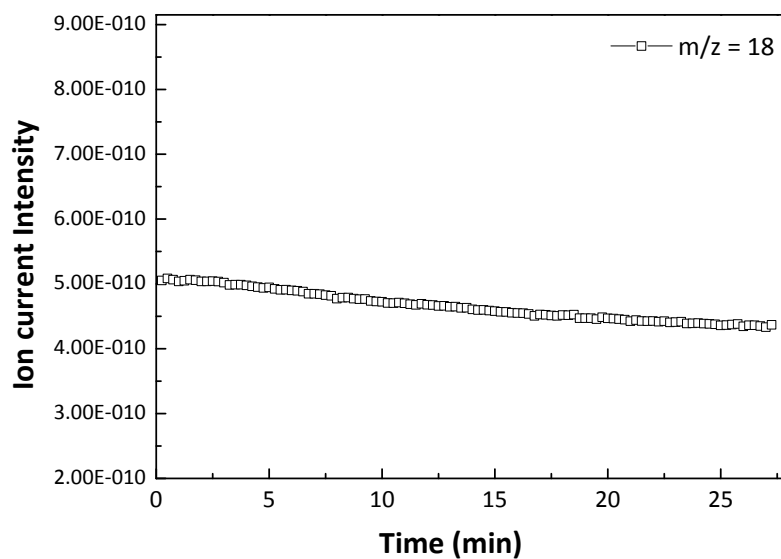


Fig. S1. Evolved H₂O (m/z=18) during NO reduction at 100°C by GO₁₀₀.

Note that the ion current of m/z=18 decreased continuously, which indicated that there was no water evolved during the reduction of NO.

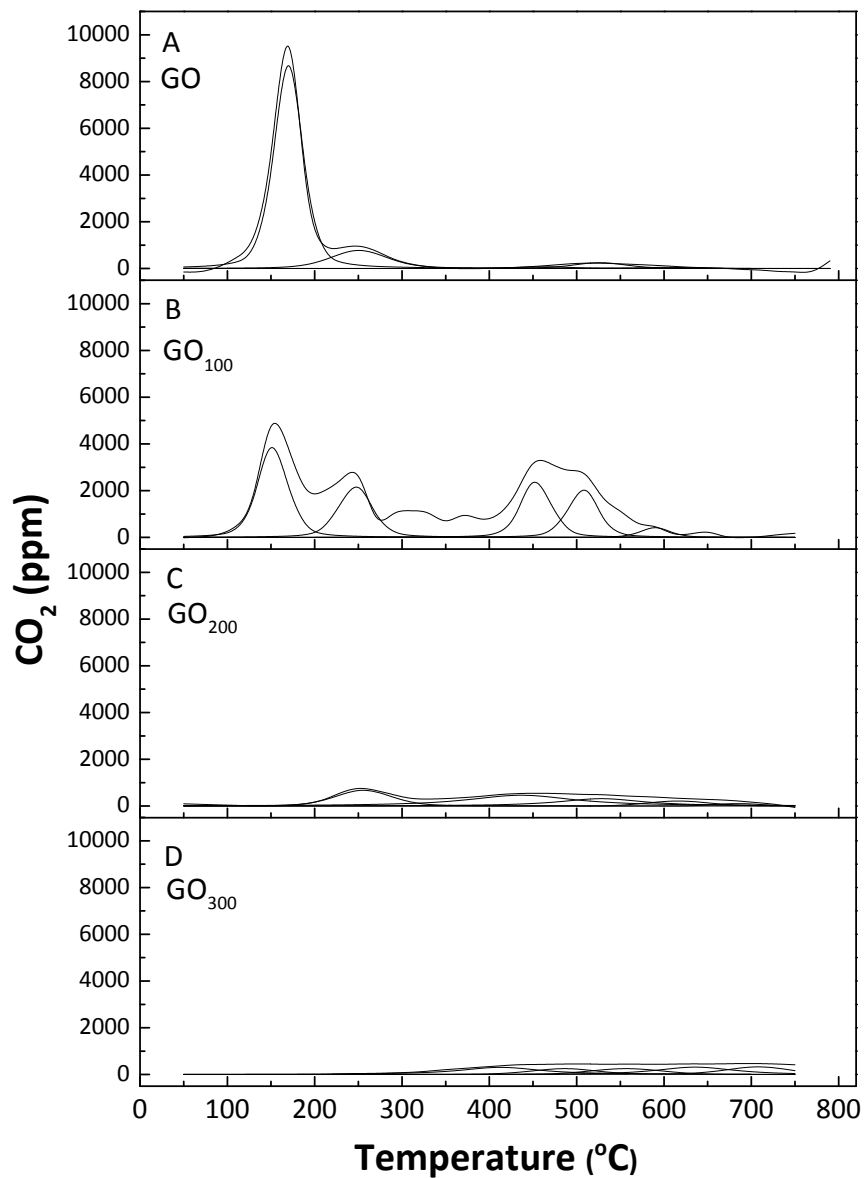


Fig. S2. Evolved CO₂ of catalyst collected after pyrolysis under N₂ at 100 (A), 200 (B) and 300°C (C). The GO stands for the original sample

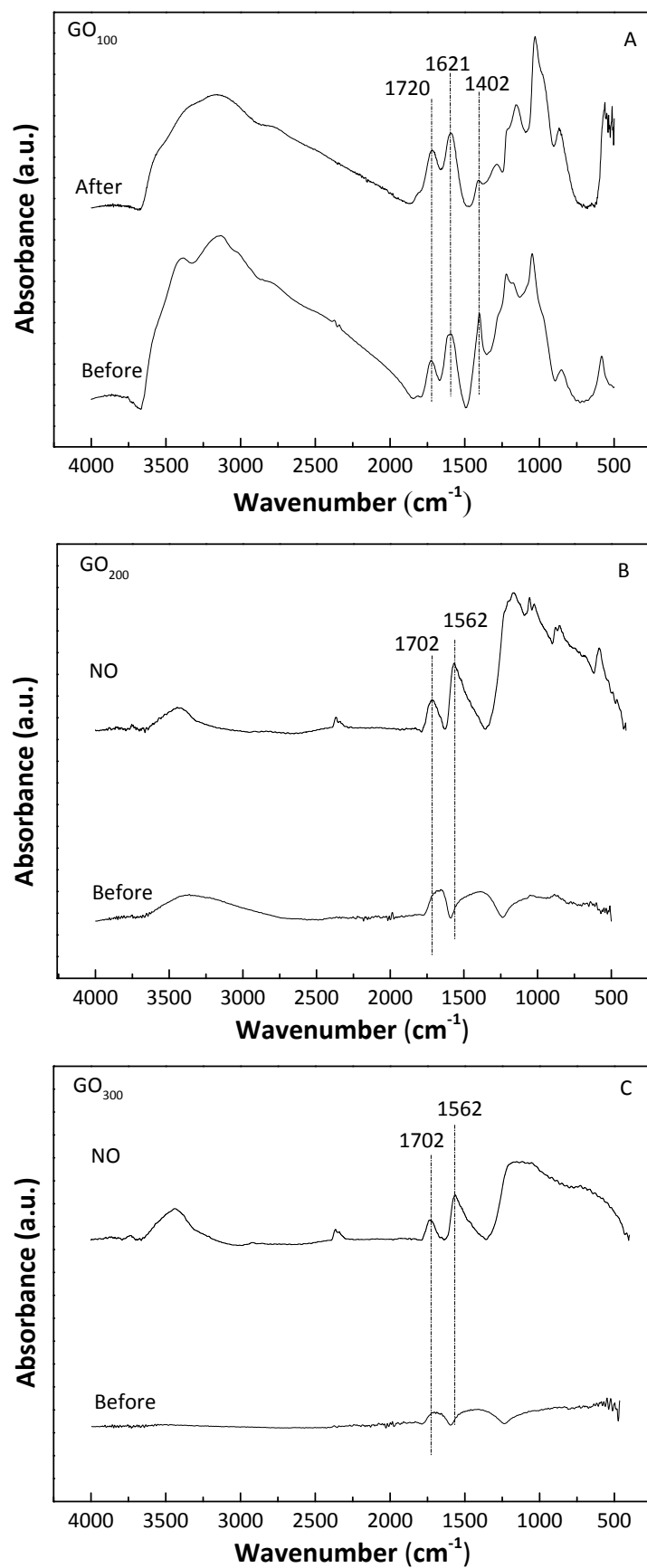


Fig. S3. FTIRs of GO-derived materials before and after reaction with NO.

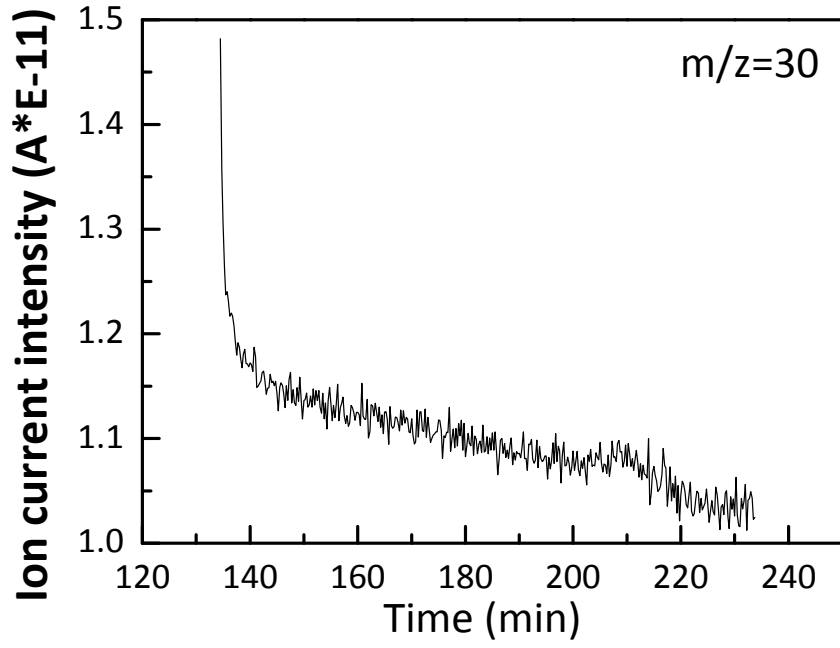


Fig. S4. Evolution of NO from 140 to 240 min.

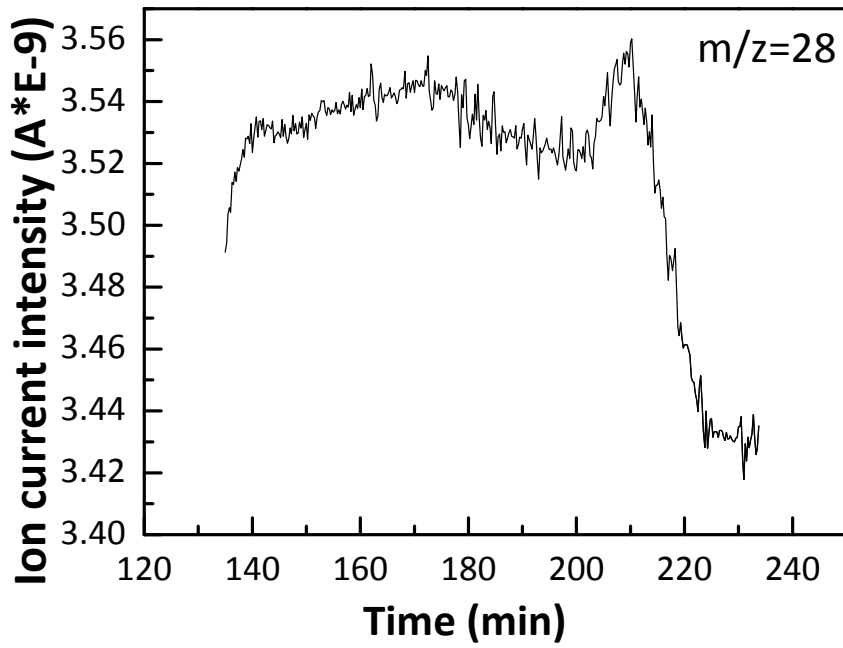


Fig. S5. Evolution of CO/N₂ from 140 to 240 min.