Electronic Supplementary Information

From supramolecular hydrogels to functional aerogels: a facile strategy to fabricate Fe_3O_4/N-doped graphene composites

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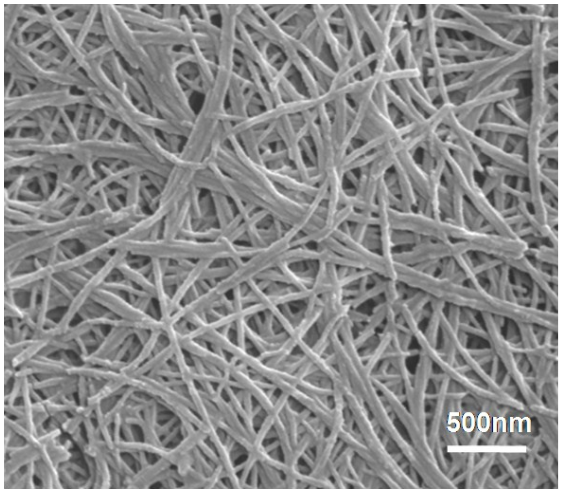

Fig. S1. The SEM image of Fc-F, 3 mg mL^{-1}.

Table S1 Several physical parameters of a black monolithic Fe_3O_4/N-GAs.

radius	height	mass	density
0.46 cm	0.40 cm	2.5 mg	9.30 mg cm^{-3}

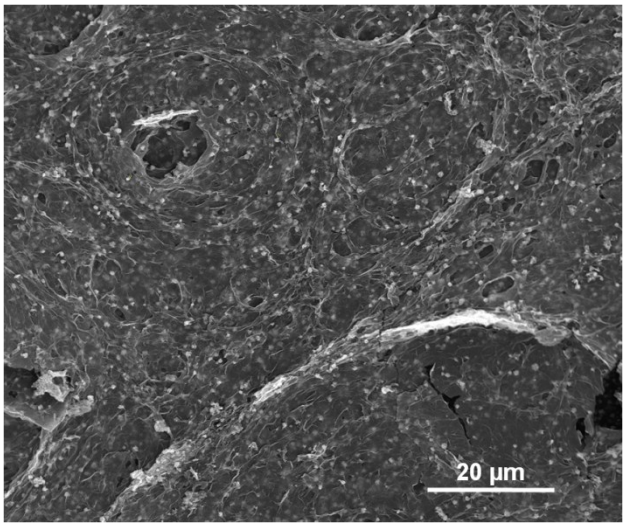

Fig. S2. The SEM image of Fe_3O_4/N-GAs.

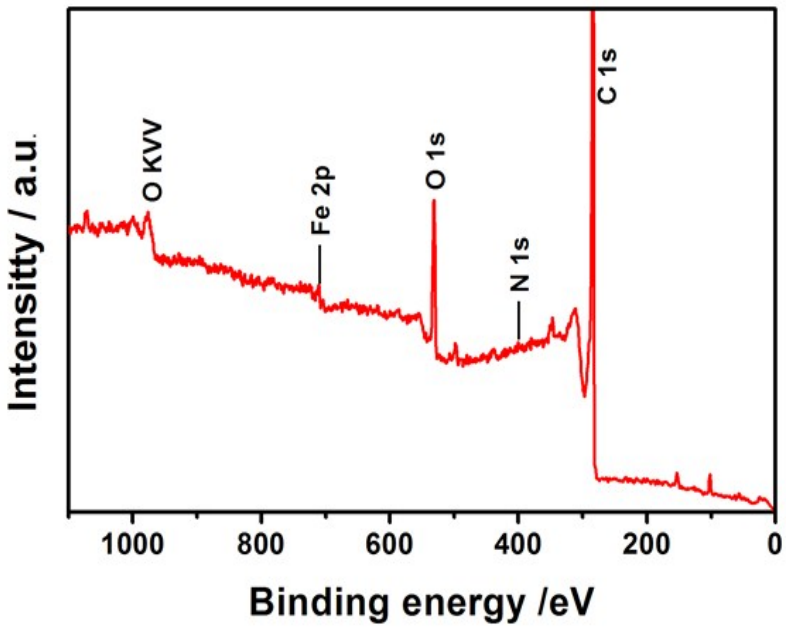

Fig. S3. The XPS pattern of Fe_3O_4/N-GAs.

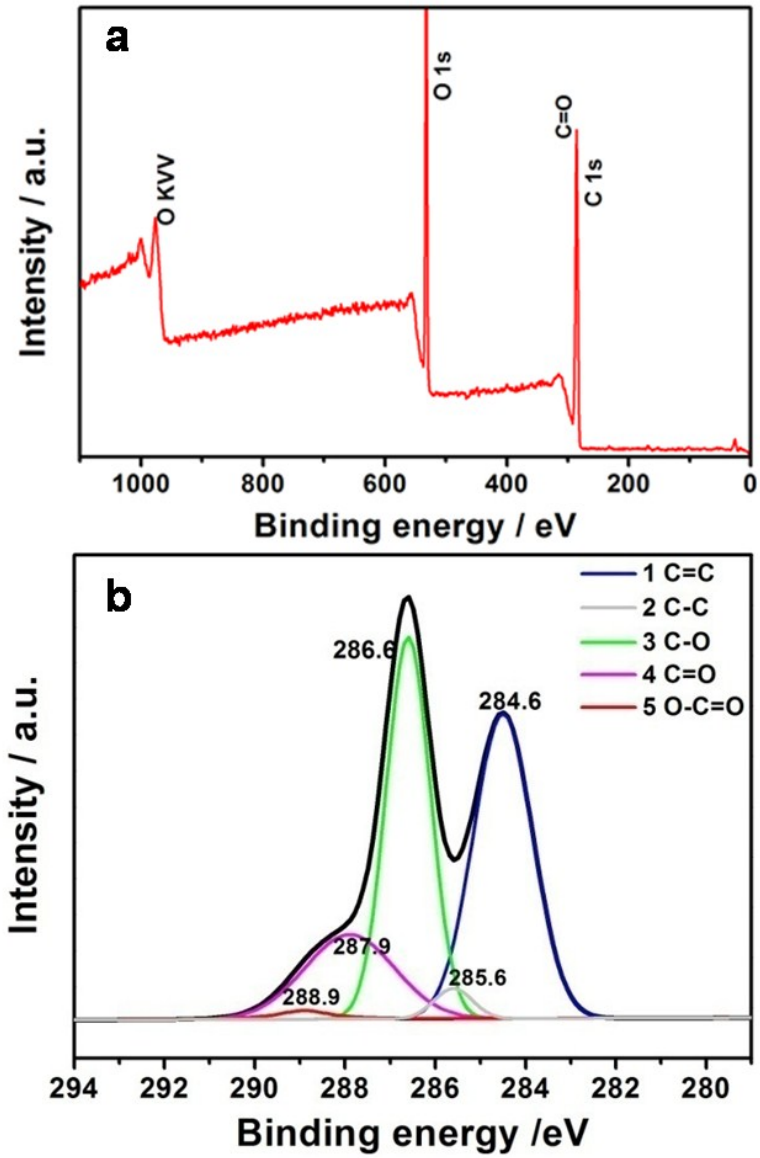

Fig. S4. XPS spectra in the range of 0-1100 eV (a) and 282-294 eV (b) for GO.

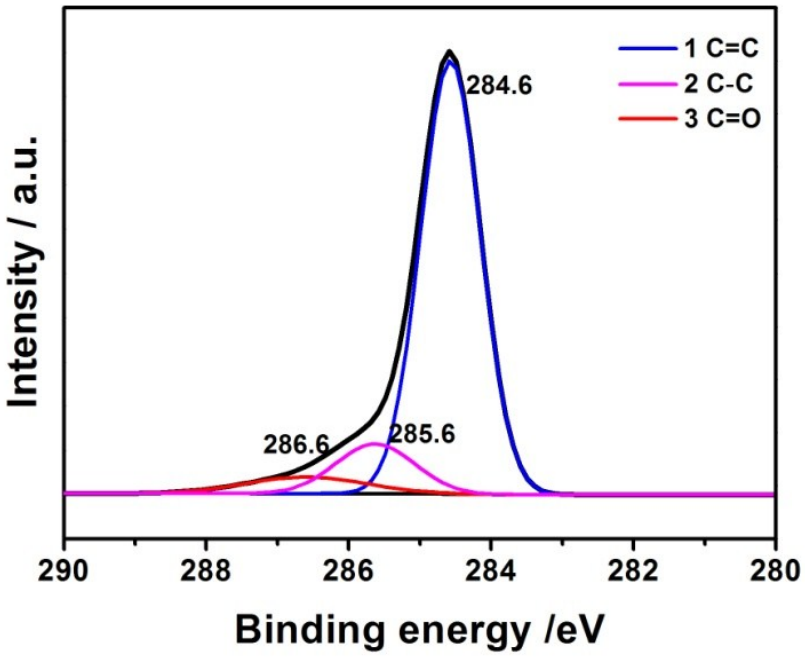

Fig. S5. XPS analysis of Fe_3O_4/N-GAs: C 1s.

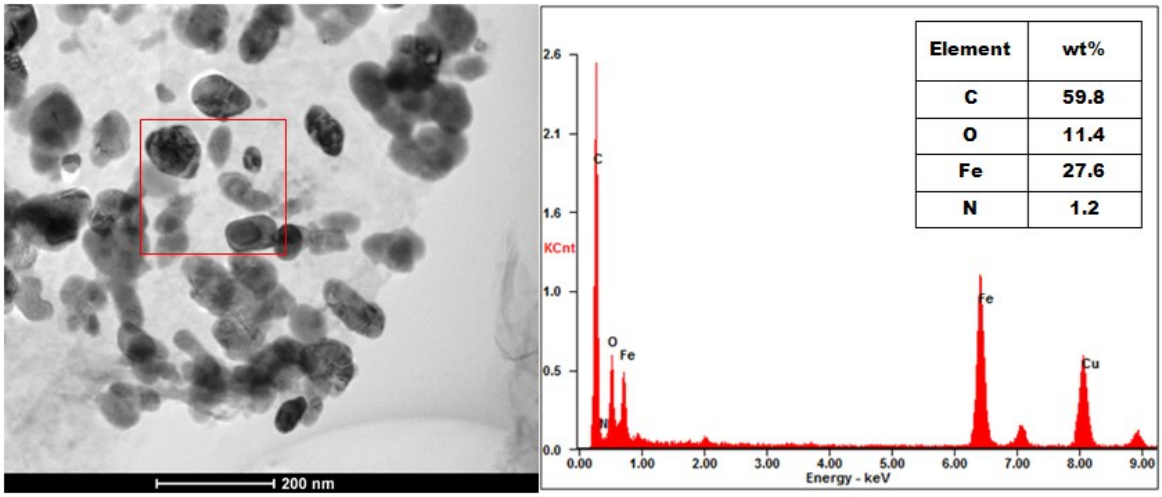

Fig. S6. TEM EDS analysis of Fe_3O_4/N-GAs.

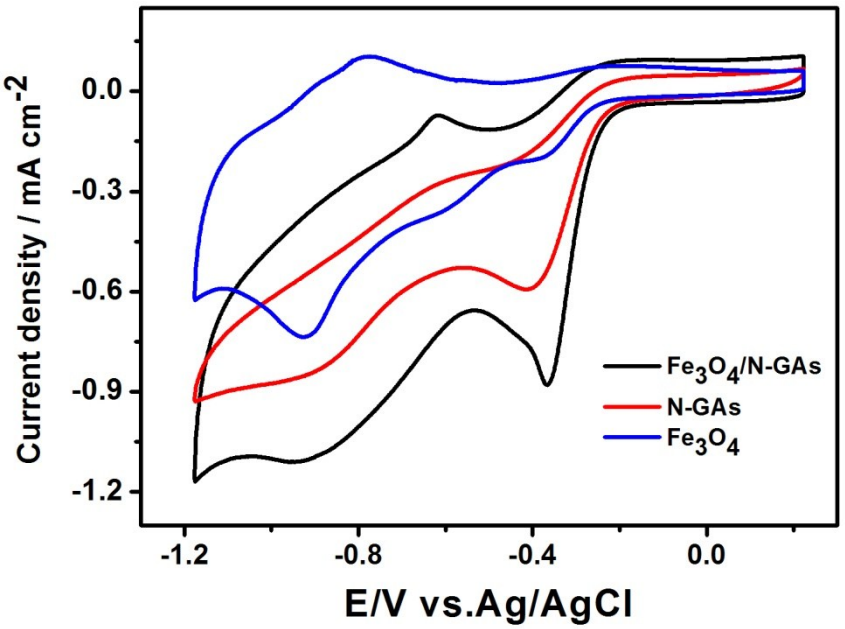

Fig. S7. CVs of Fe_3O_4, N-GAs and Fe_3O_4/N-GAs for ORR in O_2-saturated 0.1 M NaOH.