

Supplementary Information

Electrochemical properties of nitrogen and oxygen doped reduced graphene oxide

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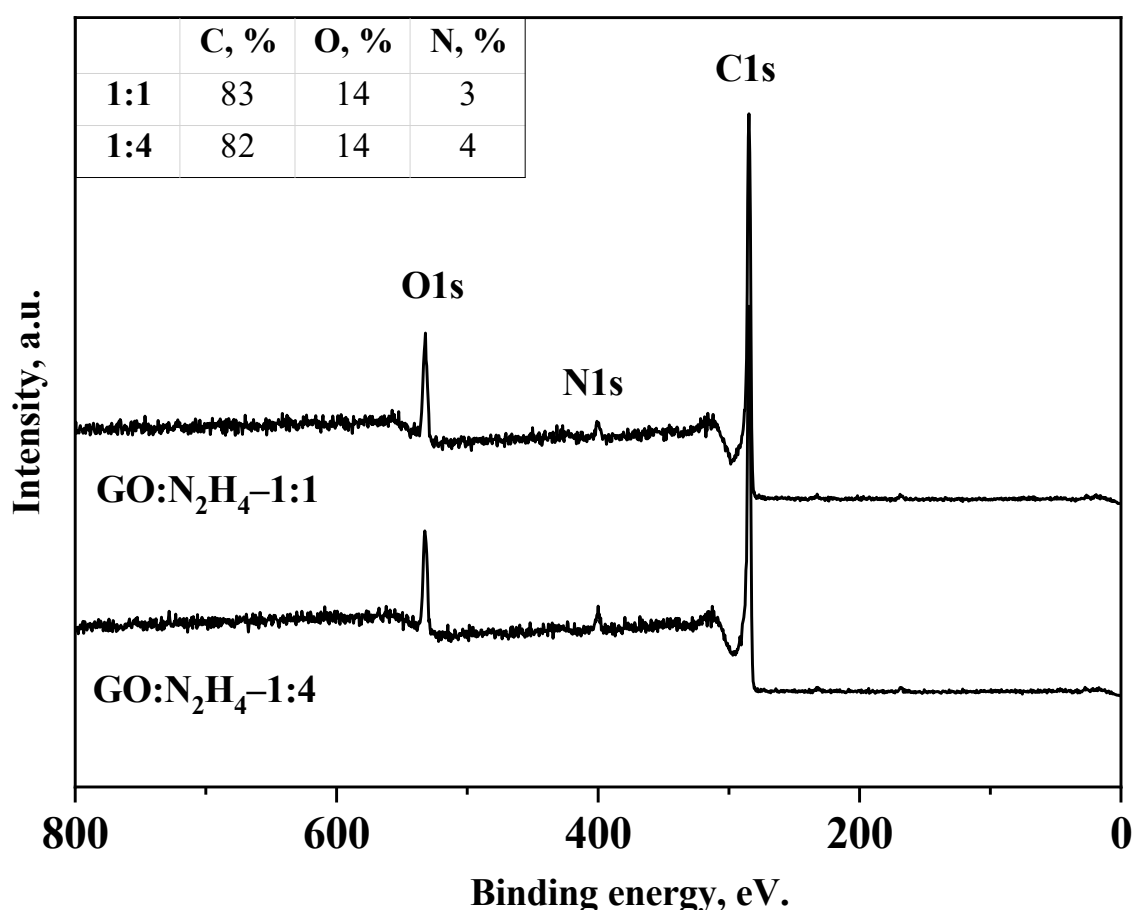


Figure S1. Overall XPS spectra of the samples **GO:N₂H₄–1:1** and **GO:N₂H₄–1:4** and concentrations of carbon, oxygen and nitrogen according to XPS (at. %)

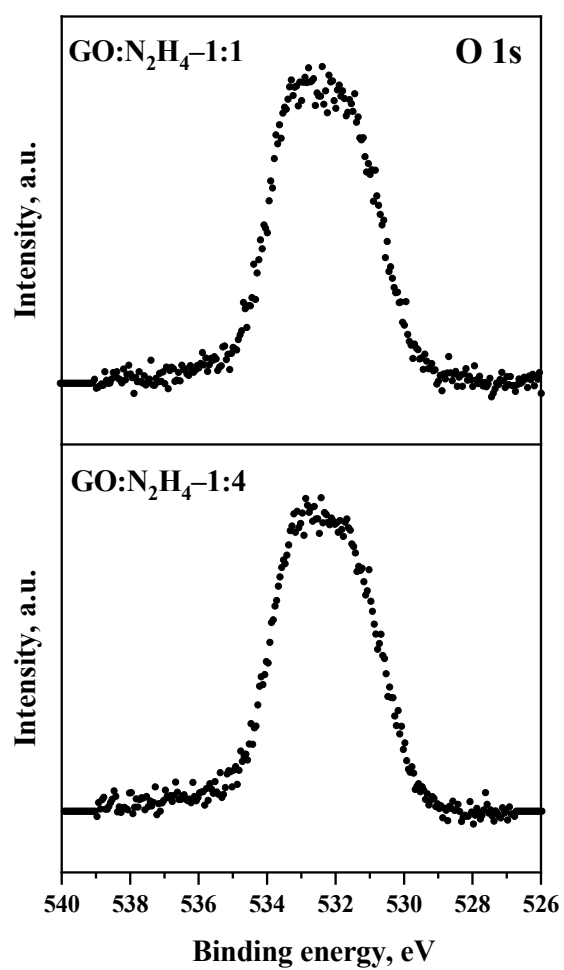


Figure S2. Detailed XPS O1s spectra of the samples **GO:N₂H₄-1:1** and **GO:N₂H₄-1:4**

Table S1. Concentrations of different forms of carbon and nitrogen according to XPS C1s and N1s (at. %) in the samples **GO:N₂H₄–1:1** and **GO:N₂H₄–1:4**

C1s

Functional group	GO:N ₂ H ₄ –1:1	GO:N ₂ H ₄ –1:4
C=C	77	83
C-C	10	9
C-O	7	4
C=O	2	1
COOH	3	2
π	1	1

N1s

Functional group	GO:N ₂ H ₄ –1:1	GO:N ₂ H ₄ –1:4
=N- (6)	20	12
=N- (5)	60	72
-N-	14	14
N-O	6	2