

Supplementary Information

Surface chemically modified graphene film for high performance optical NO₂ sensors

1. Supporting table

Table S1. XPS elemental analysis of S-h-rGO film.

Name	% At Conc	% Mass Conc	Mass
C 1s	90.70	87.41	12.011
O 1s	7.60	9.76	15.9994
N 1s	1.06	1.19	14.0067
S 2p	0.64	1.65	32.0648

2. Supporting figures

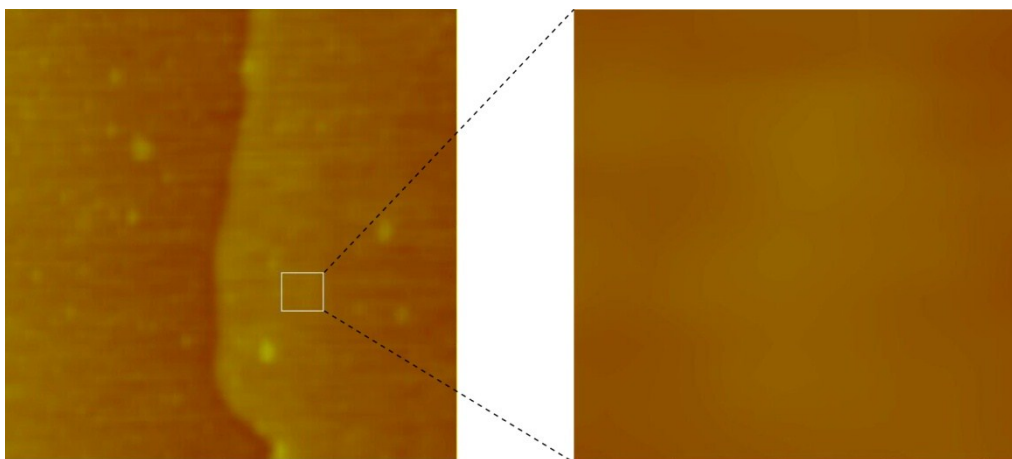


Figure S1. The surface roughness analysis of S-h-rGO film. The whole surface of S-h-rGO film is uniform, and its surface roughness is 2.69 nm.