

Supplementary Materials for

Development of an NO₂ Gas Sensor Based on Laser-Induced Graphene Operating at Room Temperature

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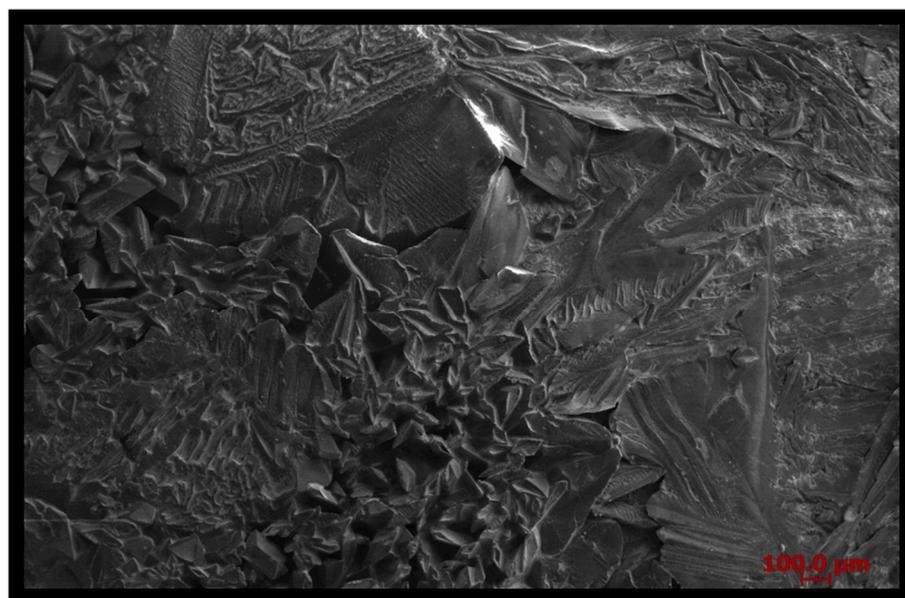


Figure S1. SEM image of SnO₂/LIG structure without citric acid.

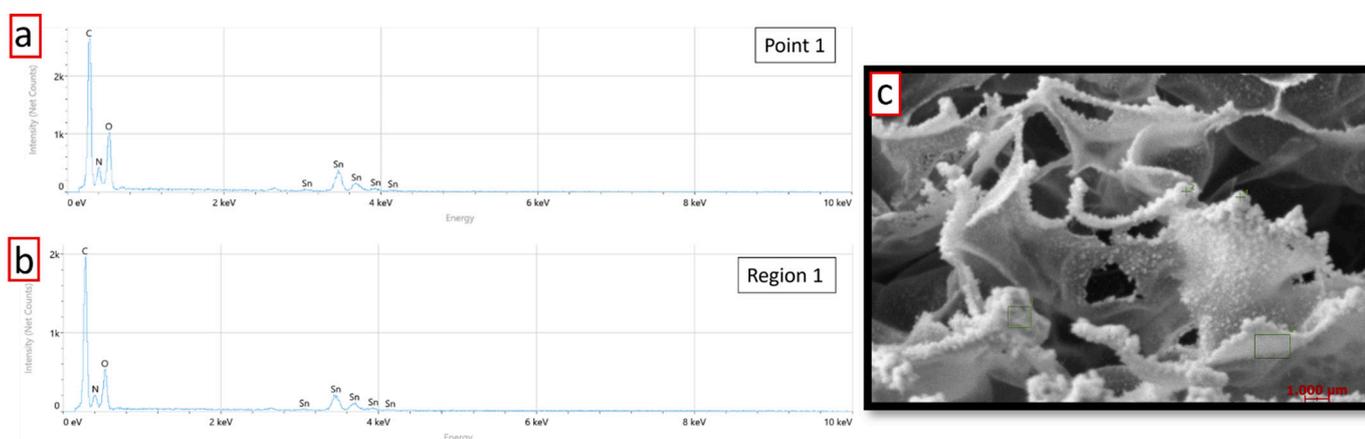


Figure S2. (a, b) EDS spectra and (c) SEM image of LIG SnO₂.

Table S1. EDS results of LiG/SnO_2 .

Element	Point 1		Region 1	
	Atomic %	Weight %	Atomic %	Weight %
C	40.5	18.0	44.5	20.0
N	5.1	2.6	5.6	3.0
O	42.1	25.0	37.7	22.6
Sn	12.3	54.3	12.2	54.4

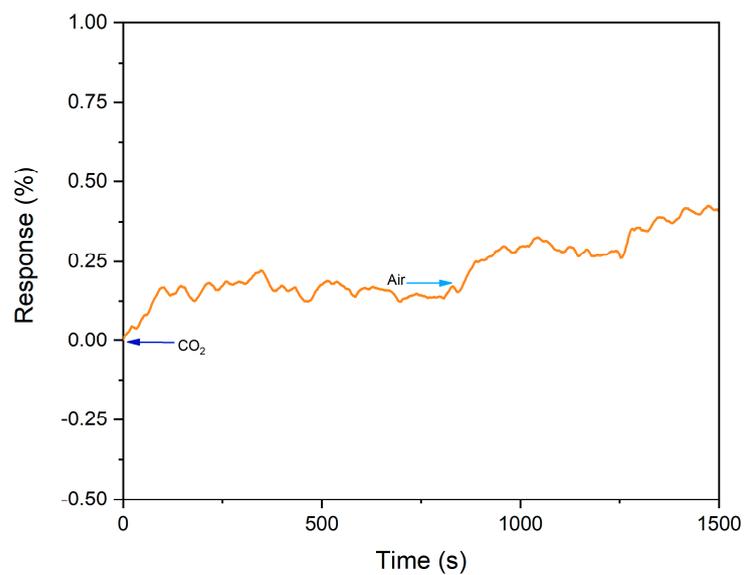


Figure S3. The response-time plot of LiG/SnO_2 sample towards 20,000 ppm CO_2 .