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Supplementary Material

Intense pulsed light-based synthesis of hybrid TiO₂-SnO₂/MWCNTs doped Cu-BTC

for room temperature ammonia sensing

Danny Wong^{1,†,} Osama Abuzalat^{1,2,†}, Sherif Mostafa¹, Simon S. Park¹, Seonghwan Kim^{1,*}

¹Department of Mechanical and Manufacturing Engineering University of Calgary, Calgary, Alberta T2N 1N4, Canada

> ²Department of Chemical Engineering Military Technical College, Cairo, Egypt

[†]These authors equally contributed to this work.

* E-mail: sskim@ucalgary.ca



Figure S1: SEM images of (a) Cu-BTC after one cycle of 60 ppm ammonia exposure; (b) Cu-BTC after 11 cycles of 60 ppm ammonia exposure; (c) hybrid TiO₂-SnO₂/MWCNTs@Cu-BTC after 11 cycles of 60 ppm ammonia exposure.



Figure S2: Water contact angle measurements images using 3 μ L drops of DI water on (a) Cu-BTC film; (b) hybrid TiO₂-SnO₂/MWCNTs@Cu-BTC film. Scale bars in the bottom left represent 1 mm.