



Contribution ID: 539

Type: **Poster**

Optical detection of VOCs using metal-organic framework decorated metasurfaces

Tuesday 13 December 2022 18:45 (15 minutes)

We employ high quality-factor nano resonators coated with metal-organic frameworks to obtain high sensitivity and selectivity towards a specific VOC. In this work, we have demonstrated a LOD of 400 ppm in ambient conditions which aids to test hyperglycaemic condition.

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Session Classification: Poster session

Track Classification: ANZCOP: ANZCOP: Nanophotonics, metaoptics and plasmonics