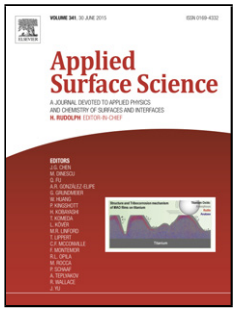

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Trace hydrogen sulfide gas sensor based on tungsten sulfide membrane-coated thin-core fiber modal interferometer

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Graphical Abstract

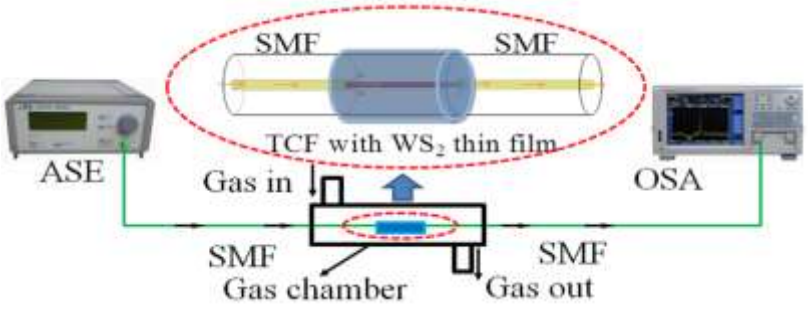

Figure. Schematic diagram of the experimental setup. The inset shows the schematic diagram of the thin-core Mach-Zehnder fiber modal interferometer structure.