

## Supporting Information

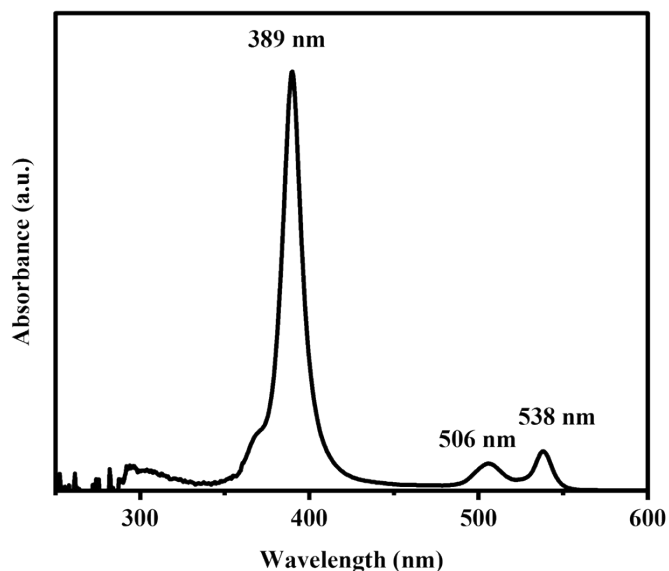
### Superhydrophobic and oleophobic luminescent composite materials for oxygen sensing in fuel-laden atmospheres

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**Figure S1** illustrates the UV absorption spectrum of the PtTFPP dispersed in PDMS, showing the Soret band at 389 nm along with two Q bands at 506 nm and 538 nm. Based on this absorption spectrum, a UV LED with a wavelength of 390 nm was used as the excitation light source.



**Figures S1.** The UV absorption spectra of the PtTFPP-PDMS sol solution.