

Twitter 链接:

<https://twitter.com/HamamatsuPhoton/status/1461001326800904213>

Hamamatsu
@HamamatsuPhoton

A #photoncounting distributed free-space #spectroscopy technique has been developed by researchers to remotely measure #carbonemissions and other #atmosphericdata.
bit.ly/30sY2Ru #CarbonNeutral #greenhousegas
翻译推文

a

DOD(

0.1

0

190.656 190.662 190.668 190.674 190.680

Optical frequency (THz)

2.0 km

HDO

HDO

b

$\times 10^{-3}$

6

4

DOD (v_i)

Range-resolved optical depth within 60 m range cell

CO₂

- Measured ΔDOD
- Fitted total absorption
- Fitted CO₂ line
- Fitted HDO line 1
- Fitted HDO line 2

phys.org

Photon-counting distributed free-space spectroscopy

Remote sensing of atmospheric gas plays an important role in the fields of greenhouse gas monitoring, toxic, harmful, flammable, explosive gasses, and ...

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