Indzawo Optic Connect

Methane Spectrometer





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Methane (CH4) is a potent greenhouse gas and is the second-largest contributor to Earth''s warming after carbon dioxide (CO2).



The interactive spectrum display requires a browser with JavaScript and HTML 5 canvas support. Select a region with data to zoom. Select a region with no data or click the mouse on the plot to revert to the ...



Duke University, in conjunction with its partners, will build a coded aperture miniature mass spectrometer environmental sensor (CAMMS-ES) for use in a methane monitoring system. The team ...

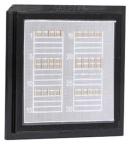
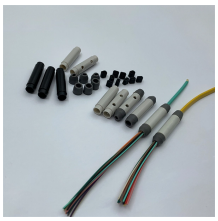


A method for methane emissions monitoring at industrial facility level was developed based on a high precision multi-open-path laser dispersion spectrometer combined with Bayesian ...



This study evaluates a new generation of satellite imaging spectrometers to measure point source methane emissions from anthropogenic sources.

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	MethaneSAT, which launched on March 4, 2024, is locating and measuring atmospheric constituents, such as accidental methane leakage during fossil fuel production, across the globe. The ...
	This spectral "fingerprint" of methane was produced from data taken during a September 2023 test at NASA''s Jet Propulsion Laboratory in Southern California of a state-of-the-art imaging spectrometer ...
	We compared six spaceborne hyperspectral imaging spectrometers on methane point-source emissions mapping. EMIT, EnMAP, and the GF5 series satellites exhibit superior methane ...

Contact Us

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