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Title: A hydrogen **flame ionization** detector for Martian/lunar life detection

experiments ... Keywords: EXTRATERRESTRIAL LIFE; **FLAME IONIZATION**; HYDROGEN; ...

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Abstract: To improve sensitivity of **flame ionization** detectors chop flow of

sample into flame so resulting ionization will be modulated and therefore ...

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Keywords: AFTERBURNING; CONFERENCES; DENSITY DISTRIBUTION; **FLAME IONIZATION**; IONIZATION; MATHEMATICAL MODELS; PLUMES; REACTION KINETICS; ROCKET EXHAUST; ...

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Keywords: ACETYLENE; **FLAME IONIZATION**; FLAMES; HYDROCARBONS; IONIZATION; MASS SPECTROSCOPY; PURITY; SPECTROSCOPY; THERMOCHEMISTRY; **FLAME IONIZATION**; ...

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ionization.

others searched for:

<http://mai.larc.nasa.gov/ct?t=flame+ionization>

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Keywords: COMBUSTION; **FLAME IONIZATION**; FLAMES; IONIZATION; TURBULENCE; TURBULENT FLOW; COMBUSTION; **FLAME IONIZATION**; TURBULENT FLOW; ...

others searched for:

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A hydrogen **flame ionization** detector for Martian/lunar life detection experiments ... Abstract: Hydrogen **flame ionization** detector /HYFID/ for life-

derived ...

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Whole air sampling from the NASA DC-8 aircraft during INTEX-A ...
 three-GC, five-column, five-detector analytical systems including **flame ionization** detection (FID), electron capture detection (ECD) and mass spectrometer ...
 others searched for:
http://www.espo.nasa.gov/docs/intex-na/Blake-INTEX_sum.pdf

Emissions and total energy consumption of a multicyliner piston ...
Flame ionization methods were used to deter mine hydrocarbon emissions; the concentrations were measured in parts per million of equivalent propane gas. ...
 others searched for:
http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19770016170_1977016170.pdf

GSE DEMONSTRATION AND PROCEDURE DEVELOPMENT
 One GC equipped with a **Flame Ionization** Detector (FID) for detecting and quantifying offgassed organic compounds. 3. One GC equipped with a methanizer ...
 others searched for:
http://www.nasa.gov/centers/wstf/pdf/269935main_odor_and_offgassing_test_capabilities.pdf



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