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LIBS plasma enhancement for standoff detection applications
Gamma-ray imaging for explosives detection
Combining hyperspectral imaging and Raman spectroscopy for remote chemical sensing

Experimental demonstration of remote optical detection of trace explosives
Characterization of near-infrared low energy ultra-short laser pulses for portable applications of laser induced breakdown spectroscopy
Standoff LIBS measurements of energetic materials using a 266nm excitation laser
Extending lifetime of plasmonic silver structures designed for high-resolution chemical imaging or chemical and biological sensing
Multidimensional molecular identification by laser control mass spectrometry
Large area cold plasma applicator for decontamination
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Remote identification of liquid surface contamination by imaging Fourier transform spectrometry
DMS-IMS2, GC-DMS, DMS-MS: DMS hybrid devices combining orthogonal principles of separation for challenging applications
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Shape characteristics of biological spores
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