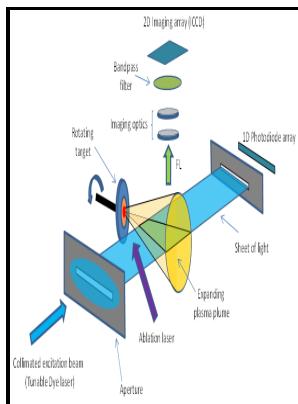


Laser-Induced fluorescence studies of reaction dynamics

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Description: -

-Laser-Induced fluorescence studies of reaction dynamics

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Notes: Thesis (Ph.D)-University of Birmingham, School of Chemistry, 1990.

This edition was published in 1989



Filesize: 67.28 MB

Tags: #Laser #Induced #Fluorescence #Spectroscopy

Characterisation Of Excited Atom Reaction Dynamics By Laser Induced Fluorescence

H Abstraction Channels in the Crossed-Beam Reaction of F + 1-Propanol, 1-Butene and 1-Hexene by DC Slice Imaging

Infrared chemiluminescence and laser

The Journal of Chemical Physics 2005, 123 22 , 224307. Doxorubicinone is an aglycone metabolite of doxorubicin that results from oxidative cleavage of the daunosamine sugar, but also form as a result of acid catalyzed cleavage of the daunosamine sugar during the sample preparation.

Laser

The relative quantum yield of doxorubicinol to doxorubicin was 1. Different products, such as crotonaldehyde and methyl vinyl ketone, were detected by gas chromatography as stable products of photodissociation.

Characterisation Of Excited Atom Reaction Dynamics By Laser Induced Fluorescence

Rate constants, branching fractions, and energy disposal for the H+ClO and H+SF reactions. Previously, the result of spectroscopic analysis on a prototypical Jahn-Teller molecule, the methoxy radical CH₃O, has enabled the determination of geometric change as small as ~1 mÅ in bond lengths and ~1 degree in bond angles.

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This has been the case in the analysis of metabolic products of doxorubicin, a widely-used fluorescent anthracycline for the treatment of tumors and

leukemia.

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