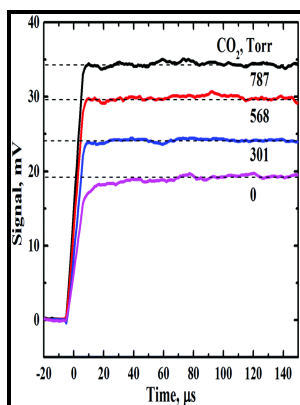


Some studies of vibrationally excited ozone using a pulsed CO₂ laser.

- - A New Laboratory Source of Ozone and its Potential Atmospheric Implications on JSTOR



Description: -

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Notes: Thesis (Ph.D.)--The Queens University of Belfast, 1979.

This edition was published in 1979



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Measurements indicate the initial decay of the first positive nitrogen fluorescence signal in air and determine a lifetime of approximately 4 μs by fitting an exponential. Further, the flashlamps will only cause significant hot electron generation in the conductive surface and not in micron-sized volume of reactants. The apparatus may also comprise a plurality of lasers.

THE DYNAMICS OF "STRETCHED MOLECULES": Experimental Studies of Highly Vibrationally Excited Molecules With Stimulated Emission Pumping, Annual Review of Physical Chemistry

On the basis of the water dimer equil. The emitter includes an electrically-driven hot electron generator, the hot electron generator also being referred to as an injector, such as a metal-insulator-metal MIM injector or a metal-semiconductor-metal MSM injector.

High Energy/Average Power Lasers and Intense Beam Applications IV

The fuel catalysts may include but are not limited fuel and oxidizer mixtures, unstable specie such as hydrazine, monomethyl hydrazine, or high explosives. Energy generation apparatus 1994-07-14 1996-06-11 Deak; David Momentum transfer pump 1994-09-12 1998-07-14 International Business Machines Corporation Electromechanical transducer 1994-10-18 2003-05-29 Symyx Technologies, Inc. As a result, the SCI vanishes before it can be detected.

Stabilization of the Simplest Criegee Intermediate from the Reaction between Ozone and Ethylene: A High

Series 10, 191, 569-571, ILS-IV, 1989. A new kinetic scheme for the dissociation of I₂ by O₂ has been proposed by Azyazov et al.

British Library EThOS: Some studies of vibrationally excited ozone using a pulsed CO₂ laser.

The displaced FLEET lines shown at the right of the figure were captured at a 2 μs delay and 500 ns gate. Fluorescence energy transfer in particles 1993-09-24 2001-06-26 Biosite Diagnostics, Inc.

High Energy/Average Power Lasers and Intense Beam Applications IV

Thermophotovoltaic electric generator 1997-07-30 2001-05-15 The Charles Stark Draper Laboratory, Inc. The gas diffusion process with dimension of order of the diffusion length for the excited state specie permits flat geometries to be nearly as efficient as enclosing geometries such as the box.

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It has been found that the rates of both processes are increased by an order of magnitude when either O₃ 2-5 or NO₆ is vibrationally excited.

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