

Active Nitrogen focuses on the experimental and theoretical investigations on active nitrogen. Divided into five chapters, the book starts by giving an introduction to the discovery of active nitrogen, the energy content, and the methods by which this may be produced. The succeeding part deals with light emissions from active nitrogen system. This discussion includes molecular spectrum of nitrogen, emission from atomic energy and condensed active nitrogen, emission from molecular species with electronic energy levels below and above 9.76 eV, and light-emitting systems of active nitrogen. The next part focuses on theories on active nitrogen. The theories discussed are long-lived Lewis-Rayleigh afterglow and short-lived, energetic afterglows. Numerical representations are provided to test the validity of the theories. Lastly, the discussions end with chemical reactions of active nitrogen. Topics contained in this part are text on recombination of N(4S) atoms; rate constants for reactions presumably induced by direct N(4S) attack; reactions caused by excited nitrogen molecular attack; and mechanism for reactions of active nitrogen that seem to influence direct N(4S) attack. The book is a valuable source of information for readers interested in the research on active nitrogen.

Welfare for Politicians?: Taxpayer Financing of Political Campaigns, The measurers and tradesmans assistant, Butterfly and caterpillar (Stopwatch books), TExES (181) Deaf and Hard of Hearing Exam Secrets Study Guide: TExES Test Review for the Texas Examinations of Educator Standards, The Second Century of the English Parliament (Ford Lectures ; 1960-1), Through unknown African countries; the first expedition from Somaliland to Lake Lamu,

IN all the work, both theoretical and experimental, which has so far been done with regard to active nitrogen, it has at least tacitly been assumed (a) that active. Physical Chemistry, A Series of Monographs: Active Nitrogen presents the methods by which active nitrogen may be produced. This book is composed of five. Criticisms have been made of the ionic theory of active nitrogen, proposed by the author some years ago, on the ground that experiments carried out since then.

Active Nitrogen. Gene G. Mannella. Chem. Rev., , 63 (1), pp 1â€“ DOI: /cra Publication Date: February ACS Legacy Archive. When the electrical discharge is passed through nitrogen at low pressures, a yellow glow is seen which persists for a short time after the gas has left the region .

Active nitrogen, which is formed on passage of an electric discharge through a stream of nitrogen, is detected by a characteristic yellow afterglow. It can be.

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