

Spectroscopic Analysis of Chemical Species in Carbon Plasmas



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Reviews

An exceptional ebook along with the typeface utilized was fascinating to read through. I am quite late in start reading this one, but better then never. You are going to like the way the blogger write this publication.

(Judd Schulist)

SPECTROSCOPIC ANALYSIS OF CHEMICAL SPECIES IN CARBON PLASMAS



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Nova Science Publishers Inc. Paperback. Book Condition: new. BRAND NEW, Spectroscopic Analysis of Chemical Species in Carbon Plasmas, J. J. Camacho, J. M. L. Poyato, L. Diaz, M. Santos, This book describes certain fundamentals of laser-induced breakdown spectroscopy (LIBS) and the experimental results obtained from ultraviolet-visible-near infrared (UV-Vis-NIR) spectra induced by laser ablation of a graphite target. The characteristics of the spectral emission intensities from the different species have been investigated as functions of the ambient pressure, laser irradiance, delay time and distance from the target. Excitation, vibrational and rotational temperatures, as well as ionisation degree and electron number density for some species were estimated. Time-gated spectroscopic studies have allowed estimation of time-of-flight (TOF) and propagation velocities for various emission species.



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