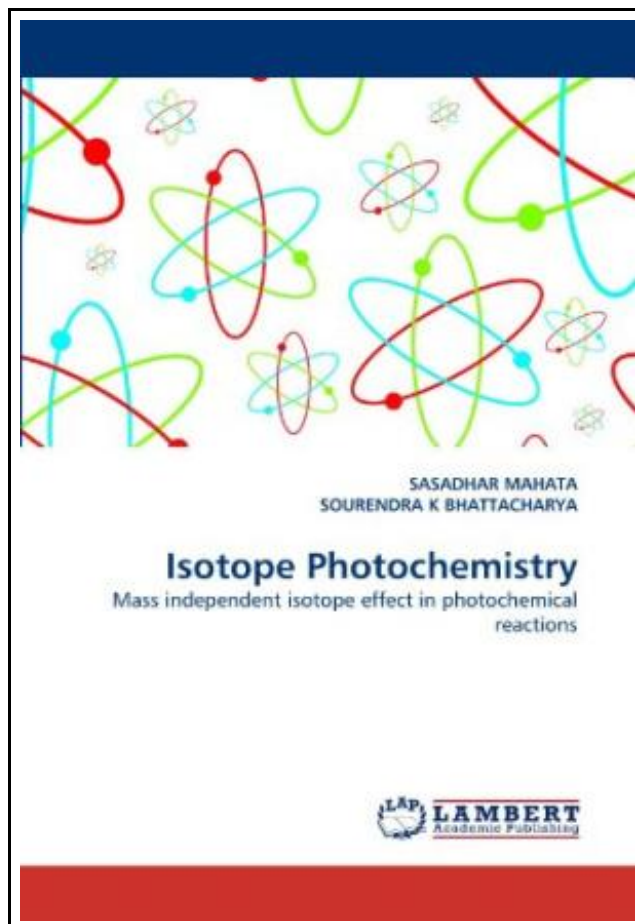


Isotope Photochemistry



Filesize: 7.83 MB

Reviews

*Completely among the finest ebook We have at any time read through. it was actually writtern really properly and helpful. You are going to like just how the writer compose this publication.
(Mr. Deangelo Considine)*

ISOTOPE PHOTOCHEMISTRY



To get **Isotope Photochemistry** eBook, make sure you access the hyperlink below and download the document or gain access to other information which are have conjunction with ISOTOPE PHOTOCHEMISTRY ebook.

LAP Lambert Acad. Publ. Jun 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x10 mm. Neuware - Oxygen and carbon isotope fractionation associated with products (CO and O₂) of gas phase photodissociation of CO₂ have been studied using photons from Hg lamp (184.9 nm) and Kr lamp (123.6 nm and 116.5 nm). In dissociation by Hg lamp photons both CO and O₂ are enriched in ¹⁷O by about 81 compared to the estimate based on a kinetic model. Additionally, CO is enriched in ¹³C by about 37 relative to the model composition. In contrast, in dissociation by higher energy Kr lamp photons no such anomaly was found in O₂. The observed isotopic enrichments in case of Hg lamp dissociation are proposed to be due to a hyperfine interaction between nuclear spin and electron spins or orbital motion causing enhanced dissociation of isotopologues of CO₂ containing ¹⁷O and ¹³C. The ¹⁷O enrichment is higher than that of ¹³C by a factor of 2.2±0.2 which can be explained by the known magnetic moment ratio of ¹⁷O and ¹³C due to differing nuclear spins and g-factors. These results have potential implications in studies of the planetary atmospheres. 168 pp. Englisch.



[Read Isotope Photochemistry Online](#)



[Download PDF Isotope Photochemistry](#)

Related Books



[PDF] Psychologisches Testverfahren

Access the web link under to download "Psychologisches Testverfahren" PDF document.

[Read PDF »](#)



[PDF] Programming in D

Access the web link under to download "Programming in D" PDF document.

[Read PDF »](#)



[PDF] Have You Locked the Castle Gate?

Access the web link under to download "Have You Locked the Castle Gate?" PDF document.

[Read PDF »](#)



[PDF] Adobe Indesign CS/Cs2 Breakthroughs

Access the web link under to download "Adobe Indesign CS/Cs2 Breakthroughs" PDF document.

[Read PDF »](#)



[PDF] The Java Tutorial (3rd Edition)

Access the web link under to download "The Java Tutorial (3rd Edition)" PDF document.

[Read PDF »](#)



[PDF] Instrumentation and Control Systems

Access the web link under to download "Instrumentation and Control Systems" PDF document.

[Read PDF »](#)