

Accepted Manuscript

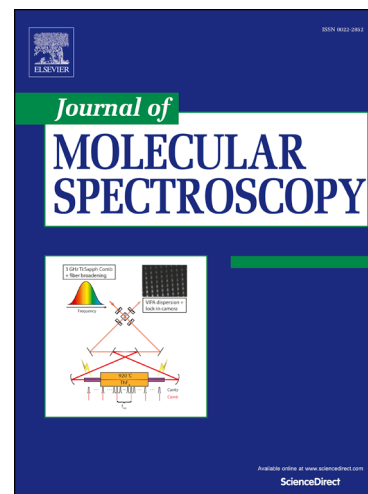
Infrared spectroscopy of the NO₃ radical from 2000 to 3000 cm⁻¹

Kentarou Kawaguchi, Ryuji Fujimori, Jian Tang, Takashi Ishiwata

PII: S0022-2852(17)30307-7
DOI: <https://doi.org/10.1016/j.jms.2017.09.012>
Reference: YJMSP 10961

To appear in: *Journal of Molecular Spectroscopy*

Received Date: 4 July 2017
Revised Date: 22 September 2017
Accepted Date: 26 September 2017



Please cite this article as: K. Kawaguchi, R. Fujimori, J. Tang, T. Ishiwata, Infrared spectroscopy of the NO₃ radical from 2000 to 3000 cm⁻¹, *Journal of Molecular Spectroscopy* (2017), doi: <https://doi.org/10.1016/j.jms.2017.09.012>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Infrared spectroscopy of the NO₃ radical from 2000 to 3000 cm⁻¹

Kentarou Kawaguchi,^a Ryuji Fujimori,^b Jian Tang,^a and Takashi Ishiwata^c

^aGraduate School of Natural Science and Technology, Okayama University, 3-1-1
Tsushima-Naka, Okayama 700-8530, Japan

^bInstitute for Space-Earth Environmental Research, Nagoya University, Furo-cho,
Chikusa-ku, Nagoya 464-8601, Japan.

^cGraduate School of Information Sciences, Hiroshima City University, 3-4-1
Otsuka-Higashi, Hiroshima 731-3194, Japan.

Pages: 24 including Figure captions

Tables: 4

Figures : 4

Appendices: 8

Received:

Title running head: 2000-3000 cm⁻¹ FTIR of NO₃

*Corresponding author. E-mail address of K. Kawaguchi: okakent@cc.okayama-u.ac.jp,

Tel. :81-86-251-7849, Fax:81-86-251-7853

Key words: nitrate radical, IR spectroscopy, $\nu_1+\nu_3$ and $2\nu_3$ vibration, low ν_3 frequency, vibronic interaction

Download English Version:

<https://daneshyari.com/en/article/7844324>

Download Persian Version:

<https://daneshyari.com/article/7844324>

[Daneshyari.com](https://daneshyari.com)