

## 学位論文要約

Spectroscopic and Theoretical Study on Photochemistry of Cinnamate Derivatives  
(けい皮酸誘導体の光化学に関する分光学的及び理論的研究)

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### Content of the thesis

Preface

Acknowledgments

主論文

- Chapter 1 Introduction and Motivation to Study
- Chapter 2 Experimental Details
- Chapter 3 Excited State Dynamics of *p*MMC and RB-*p*MMC
- Chapter 4 Cooperative Study of HMC Series by Laser Spectroscopy, Matrix-Isolation FTIR Spectroscopy and Quantum Chemical Calculations

公表論文

- [1] Experimental and theoretical study on excited-state dynamics of *ortho*-, *meta*-, and *para*-methoxy methylcinnamate
- [2] Direct Spectroscopic Evidence of Photoisomerization in *para*-Methoxy Methylcinnamate Revealed by Low-Temperature Matrix-Isolation FTIR Spectroscopy

参考論文

- [1] Study on vibrational relaxation dynamics of phenol-water complex by picosecond time-resolved IR-UV pump-probe spectroscopy in a supersonic molecular beam.
- [2] Vibrational Spectroscopy of Picolinamide and Water: From Dimers to Condensed Phase