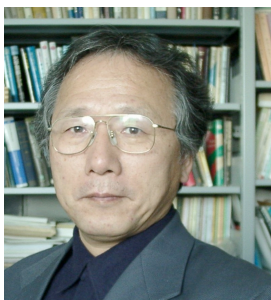


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【Speciality】 Laser Chemistry

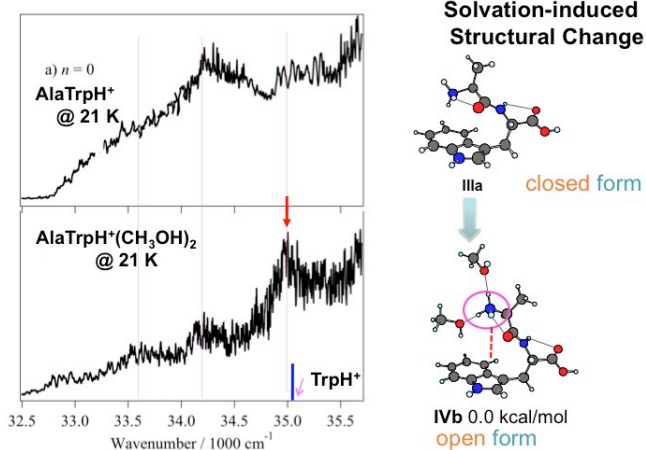
【Keywords】 Cluster, Laser Spectroscopy

## 【Research Subject】

Development of Temperature-variable Photodissociation Spectrometer and its Application to Biological Molecules

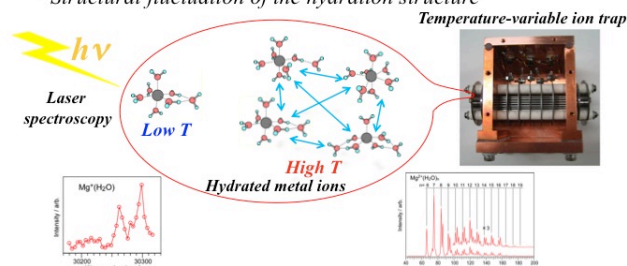
## Research Group Activity

### Spectroscopy of Ultracold AlaTrpH<sup>+</sup>



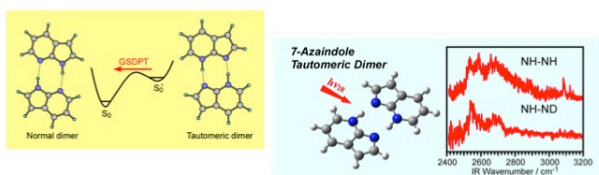
### Laser spectroscopy on hydrated metal ions in the temperature-variable ion trap

Temperature effect on the microscopic hydration of metal ions - Structural fluctuation of the hydration structure



### Spectroscopic study on the ground-state double proton-transfer reaction of 7-azaindol tautomeric dimer

IR spectroscopy of NH stretch should provide us with a signature of the DPT reaction.



### Femtosecond Pump-Probe Study of Dimethyl Amine Clusters

Formation process and decay of dimethyl ammonium radical examined with femtosecond pump-probe method.

