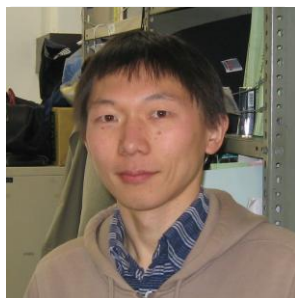


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【Speciality】 **Vibrational spectroscopy**

【Keywords】 **Matrix-isolation IR spectroscopy**

【Research Subject】

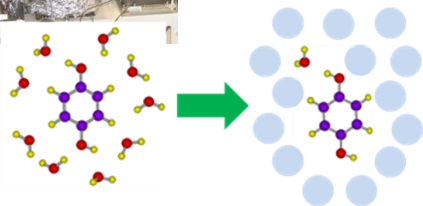
Structure and photoreaction of biomolecule-water complexes

Research Group Activity

Matrix-Isolation IR spectroscopy

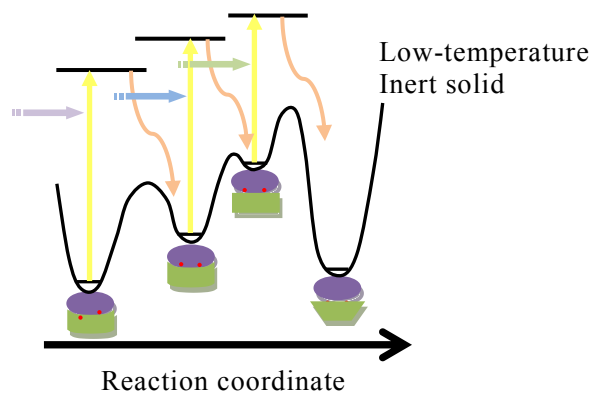


Photoreaction Intermediate Structure



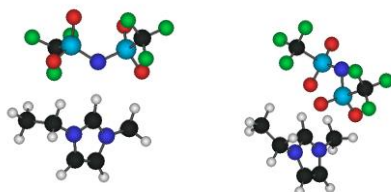
Research on Photoreaction Process

Investigation of multi-step and/or reversible reactions using low-temperature matrix method.



Structure of Ionic Liquids

Determination of ion-pair structures for thermally vaporized ion liquids



Cation-Anion interaction
Hydrogen bonds

Atmospheric Chemical Reaction

Cavity-ring-down spectroscopy
Detection of reaction intermediates

