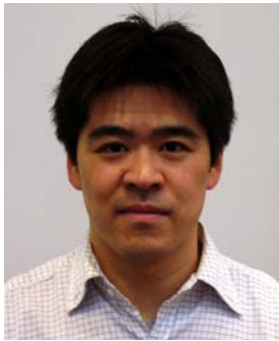


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【Speciality】 Surface Spectroscopy

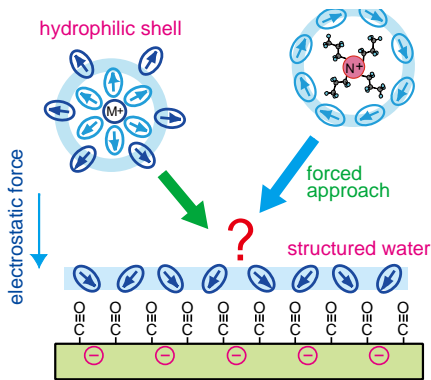
【Keywords】 time-resolved surface spectroscopy, surface dynamics

【Research Subject】 Dynamics of water layers around hydrated ions at the electrified interfaces

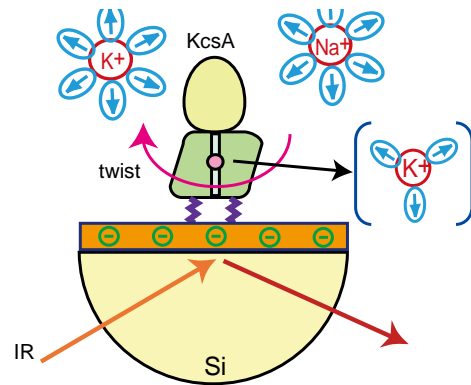
Research Group Activity

• Dynamics of hydrated ions on electrified interfaces

TR-IR study on structural changes of water molecules between ions and surfaces

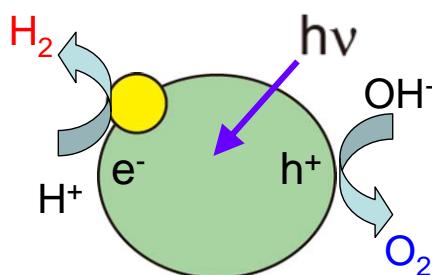


K⁺ induced structural changes of KcsA on electrified interfaces



• Photodynamics on photocatalysts and photoelectrodes

TR-IR studies on charge carrier dynamics



Development of high-efficient water splitting photoelectrodes

