

Publications (Apr.2012 - Mar. 2013)

1. M. Iwamura, K. Nozaki, S. Takeuchi, and T. Tahara, "Real-time observation of tight Au-Au bond formation and relevant coherent motion upon photoexcitation of $[\text{Au}(\text{CN})_2]^-$ oligomers," J. Am. Chem. Soc., **135**, 538 - 541 (2012).
2. S. Nihonyanagi, P. C. Singh, S. Yamauchi, and T. Tahara, "Two-dimensional heterodyne-detected VSFG spectroscopy of water molecules at charged interfaces," EPJ Web of Conferences, **41**, 05022 (2013).
3. T. Nakamura, S. Takeuchi, T. Taketsugu and T. Tahara, "Femtosecond fluorescence study of the reaction pathways and nature of the reactive S1 state of *cis*-stilbene," Phys. Chem. Chem. Phys., **14**, 6225-6232 (2012).
4. H. Kuramochi, S. Takeuchi, and T. Tahara: "Ultrafast structural evolution of photoactive yellow protein chromophore revealed by ultraviolet resonance femtosecond stimulated Raman spectroscopy", J. Phys. Chem. Lett., 3, 15, 2025–2029 (2012).
5. S. Nihonyanagi, P.C.Singh, S. Yamaguchi and T. Tahara, "Ultrafast vibrational dynamics of a charged aqueous interface by femtosecond time-resolved heterodyne-detected vibrational sum frequency generation," Bull. Chem. Soc. Jpn., 85, 7, 758-760 (2012).
6. P.C.Singh, S. Nihonyanagi, S. Yamaguchi, T. Tahara "Ultrafast vibrational dynamics of water at a charged interface revealed by two-dimensional heterodyne-detected vibrational sum frequency generation," J. Chem. Phys. **137**, 094706/1-094706/6 (2012).

Books, Proceedings

1. 竹内佐年、田原太平、“反応座標の全貌解明をめざしたフェムト秒構造化学研究”、レーザー研究、**40**、759-765 (2012).