

Publikationen

Folgende Publikationen stehen im direkten Zusammenhang mit dieser Arbeit:

1. V. Stert, L. Hesse, H. Lippert, C. P. Schulz, W. Radloff
„Dynamics of the hydrogen atom transfer in indole(NH_3) $_n$ clusters“
J. Phys. Chem. A **106**, 5051–5053, (2002).
2. H. Lippert, V. Stert, L. Hesse, C. P. Schulz, W. Radloff, I. V. Hertel
„Hydrogen atom transfer in indole(NH_3) $_n$ clusters: formation dynamics of (NH_3) $_{n-1}\text{NH}_4$, $n=1-6$, fragments“
Eur. Phys. J. D **20**, 445–448, (2002).
3. H. Lippert, V. Stert, L. Hesse, C. P. Schulz, I. V. Hertel, W. Radloff
„Indole(NH_3) $_n$ clusters: Hydrogen atom transfer initiated by femtosecond laser pulses“
in: Ultrafast Phenomena, XIII, R. D. Miller, M. M. Murane, N. F. Scherer, A. M. Weiner (Ed.), Springer Verlag, Berlin, (2003), 110–112.
4. H. Lippert, V. Stert, L. Hesse, C. P. Schulz, I. V. Hertel, W. Radloff
„Analysis of hydrogen atom transfer in photoexcited indole(NH_3) $_n$ clusters by femtosecond time-resolved photoelectron spectroscopy“
J. Phys. Chem. A **107**, 8239–8250, (2003).
5. H. Lippert, V. Stert, L. Hesse, C. P. Schulz, I. V. Hertel, W. Radloff
„Isotope effect of the photoinduced H(D)-transfer reaction in indole-ammonia clusters“
Chem. Phys. Lett. **371**, 208–216, (2003).
6. H. Lippert, V. Stert, L. Hesse, C. P. Schulz, I. V. Hertel, W. Radloff
„Ultrafast photoinduced processes in indole-water clusters“
Chem. Phys. Lett. **376**, 40–48, (2003).
7. H. Lippert, V. Stert, C. P. Schulz, I. V. Hertel, W. Radloff
„Comparison of ultrafast photoinduced processes in indole(NH_3) $_n$ and indole(H_2O) $_n$ clusters“
in: Femtochemistry and Femtobiology: Ultrafast Events in Molecular Science, M. M. Martin, J. Hynes (Ed.), Elsevier, Amsterdam, (2004), 49–52.

8. H.-H. Ritze, H. Lippert, V. Stert, W. Radloff, I. V. Hertel
„Theoretical study of the hydrogen atom transfer in the heterodimer indole-ammonia and comparison with experimental results“
J. Chem. Phys. **120**, 3619–3629, (2004).
9. H. Lippert, V. Stert, C. P. Schulz, I. V. Hertel, W. Radloff
„Photoinduced hydrogen transfer dynamics in indole-ammonia clusters at different excitation energies“
Phys. Chem. Chem. Phys. **6**, 2718–2724, (2004).
10. H. Lippert, H.-H. Ritze, I. V. Hertel, W. Radloff
„Femtosecond time-resolved H atom elimination from photoexcited pyrrole molecules“
ChemPhysChem **5**, 1423–1427, (2004).
11. H. Lippert, H.-H. Ritze, I. V. Hertel, W. Radloff
„Femtosecond time-resolved dynamics of the photophysics of the indole molecule“
Chem. Phys. Lett. **398**, 526–531, (2004).
12. E. Samoilova, H. Lippert, S. Ullrich, I. V. Hertel, W. Radloff, T. Schultz
„Dynamics of photoinduced processes in adenine and thymine“
J. Am. Chem. Soc. **127**, 1782–1786, (2005).

Zusätzlich entstanden während der Promotionszeit folgenden Publikationen unter Mitwirkung des Autors, die nicht im direkten Zusammenhang mit dieser Arbeit stehen:

1. V. Stert, H. Lippert, H.-H. Ritze, W. Radloff
„Femtosecond time-resolved dynamics of the electronically excited ethylene molecule“
Chem. Phys. Lett. **388**, 144–149, (2004).
2. H. Lippert, J. Manz, M. Oppel, G. K. Paramonov, W. Radloff,
H.-H. Ritze, V. Stert
„Control of breaking strong versus weak bonds of BaFCH₃ by femtosecond IR + VIS laser pulses: theory and experiment“
Phys. Chem. Chem. Phys. **6**, 4283–4295, (2004).