

# List of Publications

"Analysis and control of laser induced fragmentation processes in  $CpMn(CO)_3$ ." C. Daniel, J. Full, L. González, C. Kaposta, M. Krenz, C. Lupulescu, J. Manz, S. Minemoto, M. Oppel, P. Rosendo-Francisco, Š. Vajda, L. Wöste, *CHEM. PHYS.*, **267** (1-3): 247-260 (2001).

"Feedback optimization of shaped femtosecond laser pulses for controlling the wavepacket dynamics and reactivity of mixed alkaline clusters." Š. Vajda, A. Bartelt, E. C. Kaposta, T. Leisner, C. Lupulescu, S. Minemoto, P. Rosendo-Francisco, L. Wöste, *CHEM. PHYS.*, **267** (1-3): 231-239 (2001).

"Analysis and control of ultrafast photodissociation processes in organometallic molecules." Š. Vajda, P. Rosendo-Francisco, C. Kaposta, M. Krenz, C. Lupulescu, L. Wöste, *EUR. PHYS. J. D*, **16** (1-3): 161-164 (2001).

"Mass-selected infrared photodissociation spectroscopy of  $V_4O_{10}^+$ ." K. R. Asmis, M. Brümmer, C. Kaposta, G. Santambrogio, G. von Helden, G. Meijer, K. Rademann, L. Wöste, *PHYS. CHEM. CHEM. PHYS.*, **4** (7): 1101-1104 (2002).

"Gas phase infrared spectroscopy of cluster anions as a function of size: The effect of solvation on hydrogen-bonding in  $Br^- \cdot (HBr)_{(1,2,3)}$  clusters." N. L. Pivonka, C. Kaposta, G. von Helden, G. Meijer, L. Wöste, D. M. Neumark, K. R. Asmis, *J. CHEM. PHYS.*, **117** (14): 6493-6499 (2002).

"Gas-phase infrared spectrum of the protonated water dimer." K. R. Asmis, N. L. Pivonka, G. Santambrogio, M. Brümmer, C. Kaposta, D. M. Neumark, L. Wöste, *SCIENCE*, **299** (5611):1375-1377 (2003).

"Probing a strong hydrogen bond with infrared spectroscopy: Vibrational predissociation of  $BrHBr^- \cdot Ar$ ." N. L. Pivonka, C. Kaposta, M. Brümmer, G. von Helden, G. Meijer, L. Wöste, D. M. Neumark, K. R. Asmis, *J. CHEM. PHYS.*, **118** (12): 5275-5278 (2003).

"Formation and photodepletion of cluster ion-messenger atom complexes in a cold ion trap: Infrared spectroscopy of  $VO^+$ ,  $VO_2^+$ , and  $VO_3^+$ ." M. Brümmer, C. Kaposta, G. Santambrogio, K. R. Asmis, *J. CHEM. PHYS.*, **119** (24): 12700-12703 (2003).

"Gas phase infrared spectroscopy of mono- and divanadium oxide cluster cations." K. R. Asmis, G. Meijer, M. Brümmer, C. Kaposta, G. Santambrogio, L. Wöste, J. Sauer, *J. CHEM. PHYS.*, **120**(14) 6461-6470 (2004).

"Experimental and theoretical study of the infrared spectra of  $BrHI^-$  and  $BrDI^-$ ." M. J. Nee, A. Osterwalder, D. M. Neumark, C. Kaposta, C. Cibrián Uhalte, T. Xie, A. Kaledin, J. M. Bowman, S. Carter, K. R. Asmis, *J. CHEM. PHYS.*, **121** 7259-7268 (2004).