List of Publications

I. Shchatsinin, H.-H. Ritze, C. P. Schulz, and I. V. Hertel, *"Multiphoton excitation and ionization by elliptically polarized, intense short laser pulses"*, Phys. Rev. A (submitted)

I. V. Hertel, **I. Shchatsinin**, T. Laarmann, N. Zhavoronkov, H.-H. Ritze, and C. P. Schulz, *"C_{60} in elliptically polarized femtosecond laser fields: a challenge for theory"*, Phys. Rev. Lett. **102** (2009), 023003

I. Shchatsinin, T. Laarmann, N. Zhavoronkov, C. P. Schulz, and I. V. Hertel, *"Ultrafast energy redistribution in C_{60} fullerenes: A real time study by two-color femtosecond spectroscopy"*, J. Chem. Phys. **129** (2008), 204308

T. Laarmann, **I. Shchatsinin**, P. Singh, N. Zhavoronkov, C. P. Schulz, and I. V. Hertel, *"Femtosecond pulse shaping as analytic tool in mass spectrometry of complex polyatomic systems"*, J. Phys. B **41** (2008), 074005

T. Laarmann, **I. Shchatsinin**, P. Singh, N. Zhavoronkov, M. Gerhards, C. P. Schulz, and I. V. Hertel, *"Coherent control of bond breaking in amino acid complexes with tailored femtosecond pulses"*, J. Chem. Phys. **127** (2007), 201101

T. Laarmann, **I. Shchatsinin**, A. Stalmashonak, M. Boyle, N. Zhavoronkov, J. Handt, R. Schmidt, C. P. Schulz, and I. V. Hertel, *"Control of giant breathing motion in C_{60} with temporally shaped laser pulses"*, Phys. Rev. Lett. **98** (2007), 058302

T. Laarmann, **I. Shchatsinin**, M. Boyle, G. Stibenz, G. Steinmeyer, C. P. Schulz and I. V. Hertel, *"Nonadiabatic multielectron dynamics in (moderately) strong laser fields: C_{60} a model case for large finite system"*, Femtochemistry VII: Fundamental Ultrafast Processes in Chemistry, Physics, and Biology, A. W. Castleman Jr. and M. L. Kimble eds. (Elsevier, Amsterdam, 2006), 543-552

I. Shchatsinin, T. Laarmann, G. Stibenz, G. Steinmeyer, A. Stalmashonak, N. Zhavoronkov, C. P. Schulz, and I. V. Hertel, *"C_{60} in intense short pulse laser fields down to 9 fs: Excitation on time scales below e-e and e-phonon coupling"*, J. Chem. Phys. **125** (2006), 194320

M. Boyle, T. Laarmann, **I. Shchatsinin**, C. P. Schulz, and I. V. Hertel, *"Fragmentation dynamics of fullerenes in intense femtosecond-laser fields: Loss of small neutral fragments on a picosecond time scale"*, J. Chem. Phys. **122** (2005), 181103