

Während der Promotion wurden folgende Arbeiten veröffentlicht:

1. "Low energy (0–14 eV) electron impact to CHF₂Cl at different phase conditions: medium enhanced desorption of anions."
Frank Brüning, Petra Tegeder, Judith Langer und Eugen Illenberger; *Int. J. Mass Spectrom.* **195/196** (2000) 507–516.
2. "The nucleophilic displacement (S_N2) reaction F⁻ + CH₃Cl → CH₃F + Cl⁻ induced by resonant electron capture in gas phase clusters."
Judith Langer, Stefan Matejčík und Eugen Illenberger; *Phys. Chem. Chem. Phys.* **2** (2000) 1001–1005.
3. "Negative ion formation from low energy (0–15 eV) electron impact to CF₂Cl₂ under different phase conditions."
Judith Langer, Sara Matt, Martina Meinke, Petra Tegeder, Aleksandar Stamatovic und Eugen Illenberger; *J. Chem. Phys.* **113** (2000) 1163–11070.
4. "Electron attachment to C₂F₅I molecules and clusters."
Judith Langer, Stefan Matejčík und Eugen Illenberger; *Int. J. Mass Spectrom.* **220** (2002) 211–220.
5. "Energy Balance in Dissociative Electron Attachment to C₂F₅I"
Judith Langer, Stefan Matejčík und Eugen Illenberger; *Phys. Chem. Chem. Phys.* **4** (2002) 5105–5109.
6. "Electron attachment to C₂F₄Cl₂ and their van der Waals clusters"
Judith Langer, Michal Stano, Sascha Gohlke, Andrzej Rosa, Wisława Barszczewska, Stefan Matejčík und Eugen Illenberger; *Int. J. Mass Spectrom.* **223/224** (2003) 193–204.
7. "A study of dissociative electron attachment to CHBr₃ and CHI₃."

Michal Stano, Viktor Foltin, Stefan Matejčík, Judith Langer, Sascha Gohlke und Eugen Illenberger; *J. Phys. B: At. Mol. Opt. Phys.* **36** (2003) 1–10.

Folgende Konferenzbeiträge wurden geleistet:

- "Nucleophilic displacement reaction in binary van der Waals clusters induced by dissociative electron attachment"

12th Symposium on Application of Plasma Processes, Liptovsky Jan, Slovakia 1999.

- "Nucleophile S_N2-Reaktionen im Molekularstrahl"

Tag der Chemie-Wissenschaft trifft Industrie, Berlin 1999.