

Patrizia Krok - Publications and Awards

1. Publications:

Diploma Thesis:

Elektromagnetisch Induzierte Transparenz in Rb85 (“Electromagnetically Induced Transparency in Rb85”), Technical University of Munich and Max-Planck-Institute for Quantum Optics Garching, 2003.

PhD Thesis:

Entwicklung und Kombination neuer zeitlich hochauflösender und hochrepetitiver Systeme und Methoden zur Untersuchung ultraschneller Ladungstransfer- und Schwingungsdynamik in großen Molekülen (“Development and combination of novel temporally high-resolving and high-repetitive systems and methods for the investigation of ultrafast charge transfer and vibrational dynamics in large molecules”), Ludwig-Maximilians-University of Munich, 2008.

Population and coherence dynamics of vibrationally excited states in perylene dyes in solution

P. Krok, I. Z. Kozma, S. Lochbrunner, E. Riedle
Manuscript prepared for submission in J. Chem. Phys.

Ultrafast emission quenching in a perylene bisimide chromophore by electron transfer from its substituent

P. Krok, I. Z. Kozma, S. Lochbrunner, H. Langhals, R. de Vivie-Riedle, E. Riedle
Manuscript prepared for submission in J. Phys. Chem. A.

Excited state dynamics in core substituted naphthalene bisimides (NBI): an important aspect in the design of NBI based optoelectronic switches

P. Krok, S. Lochbrunner, A. Błaszczuk, C. von Hänisch, M. Mayor, E. Riedle, I. Pugliesi
J. Phys. Chem. A (2008), submitted.

Tunable pulses from below 300 to 970 nm with durations down to 14 fs based on a 2 MHz Yb-doped fiber system

C. Schrieffer, S. Lochbrunner, P. Krok, E. Riedle
Opt. Lett. 33 (2008) 192

Direct measurement of the group-velocity mismatch and derivation of the refractive-index dispersion for a variety of solvents in the ultraviolet

I.Z. Kozma, P. Krok, E. Riedle
J. Opt. Soc. Am. B 22 (2005) 1479

2. Award:

“**Student Presentation Award**” of the Optical Society of America for the talk “**Naphthalene Bisimides on the Way to Opto-electronic Devices**” at the conference “*Frontiers in Optics*” in San Jose, California, USA, 2007.