

University of Belgrade
Faculty of Physical Chemistry
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Curriculum Vitae: Dr Mihajlo Etinski

Research interests: My interests lie in application and development of quantum mechanical methods to chemical problems related to molecular structure, reaction dynamics, and electronic and vibrational spectroscopy.

Employment History

Jan 2005 Faculty of Physical Chemistry, University of Belgrade, Serbia, Teaching Assistant

Jul 2010 Faculty of Physical Chemistry, University of Belgrade, Serbia, Teaching Assistant

Feb 2013 Faculty of Physical Chemistry, University of Belgrade, Assistant Professor

Academic History

Oct 2000 – Nov 2004 Undergraduate studies, Faculty of Physical Chemistry, University of Belgrade, Serbia 2000-2004

Oct 2004 – Jun 2006 Master in Physical Chemistry, Faculty of Physical Chemistry, University of Belgrade, Serbia,

Dec 2006 – Jun 2010 PhD in Computational Chemistry, Institute of Theoretical and Computational Chemistry, Heinrich Heine University Duesseldorf, Germany

Supervision and teaching

Mentor of 1 PhD student, teaching Statistical Thermodynamics (year 3), Nonequilibrium Statistical Thermodynamics (doctoral studies)

Publication metrics

Total publications: 31 Total number of citations without self-citations: 395 h-index: 12

Selected publications

Mihajlo Etinski, Timo Fleig and Christel M. Marian: Intersystem crossing and characterization of dark states in the pyrimidine nucleobases uracil, thymine, and 1-methylthymine. *J. Phys. Chem. A*. 113 (2009) 11809-11816

Mihajlo Etinski and Christel M. Marian: *Ab initio* investigation of the methylation and hydration effects on the electronic spectra of uracil and thymine, *Phys. Chem. Chem. Phys.* 12 (2010) 4915-4923

Mihajlo Etinski and Christel M. Marian: Overruling the energy gap law: Fast triplet formation in 6-azauracil, *Phys. Chem. Chem. Phys.* 12 (2010) 15665-15671

Mihajlo Etinski, Jörg Tatchen and Christel M. Marian: Time-dependent approaches for the calculation of intersystem crossing rates, *J. Chem. Phys.* 134 (2011) 154105

Mihajlo Etinski, Jörg Tatchen and Christel M. Marian, Thermal and Solvent Effects on the Triplet Formation in Cinnoline, *Phys. Chem. Chem. Phys.*, 16, (2014) 4740-4751

Mihajlo Etinski, Vidisha Rai-Constapel and Christel M. Marian, Time-dependent approach to spin-vibronic coupling: Implementation and assessment, *J. Chem Phys.*, 140, (2014) 114104

Mihajlo Etinski, Milena Petković, Miroslav M. Ristić and Christel M. Marian, Electron–Vibrational Coupling and Fluorescence Spectra of Tetra-, Penta-, and Hexacoordinated Chlorophylls c1 and c2, *J. Phys. Chem. B*, 119 (2015) 10156-10169

Simon Lobsiger, Mihajlo Etinski, Susan Blaser, Hans-Martin Frey, Christel Marian, and Samuel Leutwyler, Intersystem crossing rates of S1 state keto-amino cytosine at low excess energy, *J. Chem. Phys.* 143, (2015) 234301

Marko Kojić, Milena Petković, Mihajlo Etinski, A new insight into photochemistry of avobenzene in gas phase and acetonitrile from *ab initio* calculations, *Phys. Chem. Chem. Phys.* 18 (2016) 22168 – 22178