

Invited Lectures

Electron interactions with atomic and molecular clusters: Excitation, ionization and dissociation

J. Fedor, G. Gluch, R. Parajuli, S. Matt-Leubner, O. Echt, F. Hagelberg, A. Stamatovic,
M. Probst, P. Scheier, and T. D. Märk IL-1

Influence of exchange symmetry in low temperature ion-molecule reactions

D. Gerlich IL-2

The challenge of the *ab initio* calculation of radiative association rates: $C^+ + H$ and $C^+ + H_2$

M. C. van Hemert and G. Barinovs IL-3

Tunneling of water and other protic groups between the two lone pairs of Dimethylether

W. Caminati, A. Maris, S. Melandri, A. Millemaggi, P. Ottaviani, B. Velino, J. L. Alonso,
S. Blanco, A. Lesarri, J. C. Lopez, and S. Mata IL-4

New electronic and magnetic properties of organized organic monolayers

I. Carmeli, G. Leitus, S. Reich, Z. Vager, and R. Naaman IL-5

Structure and dynamics of organic molecules - water complexes

M. Becucci, G. Pietraperzia, M. Pasquini, G. Piani, A. Zoppi, R. Chelli, I. Lopez-Tocon,
and E. Castellucci IL-6

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R. Thissen, H. Soldi-Lose, C. Alcaraz, O. Dutuit, J. Zabka, J. Roithova, Z. Herman,
P. Franceschi, D. Bassi IL-7

Spectroscopy of molecular clusters

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Magic numbers for helium cluster ions containing an Ar or Ne atom

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Photoelectron spectroscopy of metal and semiconductor cluster anions

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Size-selected metal cluster deposition on oxide surfaces: Impact dynamic and supported cluster chemistry

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The dynamics of abstraction reaction of polyatomic molecules

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Non-adiabaticity in the formation of OH by reaction of O(¹D) with H₂

M. H. Alexander, E. J. Rackham, and D. E. Manolopoulos IL-17

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D. J. Nesbitt IL-18

Electronically non-adiabatic interactions in molecule metal-surface scattering: Can we trust the Born-Hoppenheimer approximation in surface chemistry?

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New experimental techniques for the infrared spectroscopy of molecules and clusters: From high-resolution spectroscopy to ultrafast intramolecular dynamics

M. Hippler IL-20

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S. J. Sibener IL-24

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Using coincidences to study the dynamics of the reactions of molecular dications

S. W.-P. Hu, S. M. Harper, and S. D. Price HT-3

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Primary products, reaction dynamics and branching ratios

G. Capozza, E. Segoloni, G. G. Volpi, and P. Casavecchia HT-4

Statisticodynamical approach of chemical reaction dynamics

L. Bonnet, A. Perrier, P. Larrégaray, and J. C. Rayez HT-5

Exploring the dynamics of hydrogen atom release from the radical-radical reaction

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