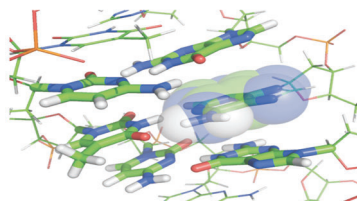


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2011, 76, 631–643

### Photodynamics of the Adenine Model 4-Aminopyrimidine Embedded Within Double Strand of DNA

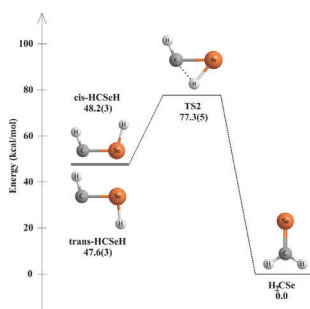
Tomáš Zelený, Pavel Hobza, Dana Nachtigallová,  
Matthias Ruckebauer and Hans Lischka



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2011, 76, 645–667

### Do the Mercaptocarbene (H–C–S–H) and Selenocarbene (H–C–Se–H) Congeners of Hydroxycarbene (H–C–O–H) Undergo 1,2-H-Tunneling?

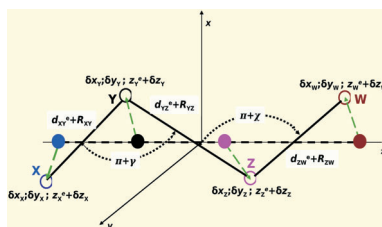
János Sarka, Attila G. Császár and  
Peter R. Schreiner



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2011, 76, 669–682

### Vibrational Dynamics of Adsorbed CO<sub>2</sub>: Separability of the CO<sub>2</sub> Asymmetric Stretching Mode

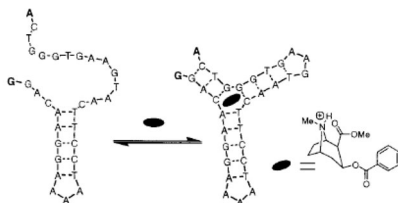
Ota Bludský, Petr Nachtigall and  
Vladimír Špirko



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2011, 76, 683–694

### Nanoporous Silica Colloidal Films with Molecular Transport Gated by Aptamers Responsive to Small Molecules

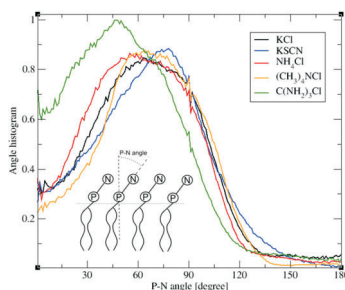
Alexis E. Abelow, Ryan J. White,  
Kevin W. Plaxco and Ilya Zharov



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2011, 76, 695–711

### Interactions of Molecular Ions with Model Phospholipid Membranes

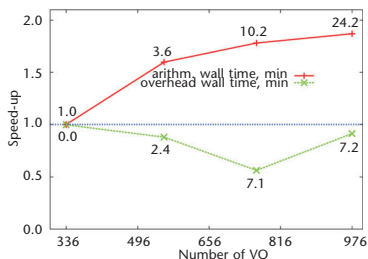
Michal Petrov, Lukasz Cwiklik and Pavel Jungwirth



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2011, 76, 713–742

### Parallelized Implementation of the CCSD(T) Method in MOLCAS Using Optimized Virtual Orbitals Space and Cholesky Decomposed Two-Electron Integrals

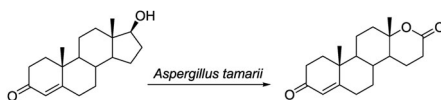
Michal Pitoňák, Francesco Aquilante, Pavel Hobza, Pavel Neogrády, Jozef Noga and Miroslav Urban



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2011, 76, 743–754

### Baeyer–Villiger Oxidation of Some Steroids by *Aspergillus tamarii* MRC 72400

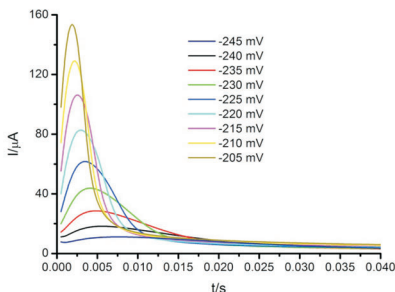
Kudret Yildirim, Ahmet Uzuner and Emine Yasemin Gulcuoglu



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2011, 76, 755–762

### A Chronoamperometric Study of the Oxidative Nucleation of Niazid and Isoniazid on Mercury Electrodes in Basic Solutions

Mercedes Ruiz Montoya, Sara Pintado and José Miguel Rodríguez Mellado



*Collect. Czech. Chem. Commun.*  
2011, 76, 763–780

**Synthesis and Characterization  
of DMAP-Modified NPY Y<sub>1</sub> Receptor  
Antagonists as Acyl-Transfer Catalysts**

Stefan Weiss, Günther Bernhardt,  
Armin Buschauer and Burkhard König

