

*Collect. Czech. Chem. Commun.*

**2005, 70, 539–549**

### The Site of Action of General Anesthetics – A Chemical Approach

Camille Sandorfy

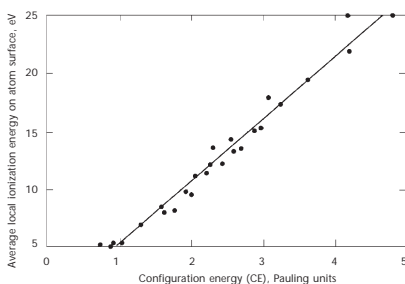
C–H...X  
in protein–carbohydrate  
interactions

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**2005, 70, 550–558**

### Electronegativity and Average Local Ionization Energy

Peter Politzer, Jane S. Murray and  
M. Edward Grice

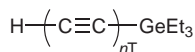
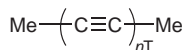
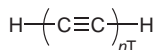


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**2005, 70, 559–578**

### Electronic Spectra of Conjugated Polynes, Cumulenes and Related Systems: A Theoretical Study

Rudolf Zahradník, Martin Srnc and  
Zdeněk Havlas

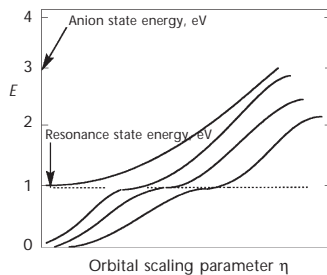


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**2005, 70, 579–604**

### Equations of Motion Theory for Electron Affinities

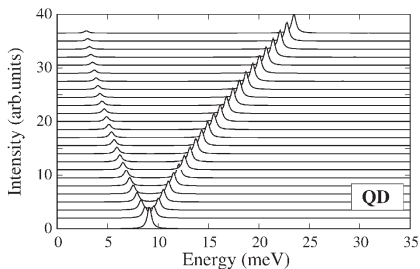
Jack Simons



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**2005, 70, 605–620**

**Far-Infrared Absorption of  
 Self-Assembled Semiconductor  
 Rings**

Josep Planelles and  
 Juan I. Climente



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**2005, 70, 621–637**

**Quantum Mechanics Needs  
 No Interpretation**

Lubomír Skála and Vojtěch Kapsa

$$-\sum_{j=1}^N \frac{\hbar^2}{2m_j} \Delta_j \psi = i\hbar \frac{\partial \psi}{\partial t}$$

$$\frac{\partial S}{\partial t} + \sum_{j=1}^N \frac{(\nabla_j S)^2}{2m_j} = 0.$$

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**2005, 70, 638–656**

**On the Size Consistency  
 of Multireference CEPA  
 Methods**

Paul J. A. Ruttink

$$\langle \Phi_i^p | \hat{H} - E | \Psi \rangle = \langle \Phi_i^p | \hat{H} - E_0 - E_C | \Psi \rangle = 0$$

$$\langle \Phi_j^q | \hat{H} - E + K_j | \Psi \rangle = \langle \Phi_j^q | \hat{H} - E_0 - E_C | \Psi \rangle + K_j c_j = 0$$

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**2005, 70, 657–676**

**Permutational Symmetry and  
 Molecular Structure Calculations**

Brian Sutcliffe

$$H'(\mathbf{t})\Psi_{\mathbf{n}}(\mathbf{t}) = E_{\mathbf{n}}\Psi_{\mathbf{n}}(\mathbf{t})$$

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**2005, 70, 677–688**

**Infinite-Order Regular  
Approximation by the  
Metric Perturbation**

Andrzej J. Sadlej

$$\mathbf{H}_0 \Psi = E \Psi$$

$$\Psi = \begin{pmatrix} \Psi_L \\ \Psi_S \end{pmatrix}$$

$$\begin{aligned} \mathbf{H}_0 &= \alpha \mathbf{p} + \beta c^2 + (V - c^2) \mathbf{I} = \\ &= \begin{pmatrix} V \mathbf{1} & \alpha \mathbf{p} \\ \alpha \mathbf{p} & (V - 2c^2) \mathbf{1} \end{pmatrix} \end{aligned}$$