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2008, 73, 1391–1414

Some Formal Aspects of the Theory of Intermolecular Interactions and of the BSSE Problem

István Mayer

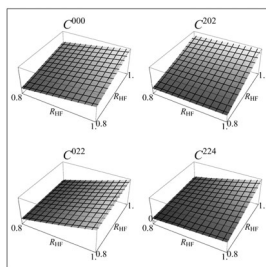
$$\Delta E_{AB}^{\text{CP}} = E_{AB}^{\text{CP}}(\text{AB}) - E_{\text{A}}^{\text{R}}(\text{AB}) - E_{\text{B}}^{\text{R}}(\text{AB}) + E_{\text{A}}^{\text{R}}(\text{A}) - E_{\text{A}}^{\text{O}}(\text{A}) + E_{\text{B}}^{\text{R}}(\text{B}) - E_{\text{B}}^{\text{O}}(\text{B})$$

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2008, 73, 1415–1436

A Comparison of Møller–Plesset and Coupled Cluster Linear Response Theory Methods for the Calculation of Dipole Oscillator Strength Sum Rules and C_6 Dispersion Coefficients

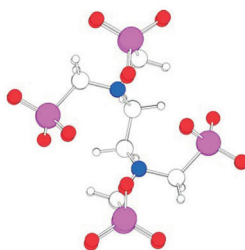
Ivana Paidarová and Stephan P. A. Sauer

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2008, 73, 1437–1456

Conformational Analysis of Eu(III)-(Ethylenedinitrilo)-tetrakis(methylphosphonates) (EDTMP)

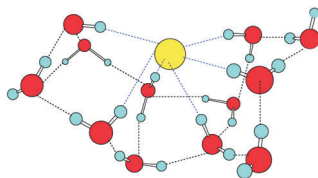
Lidia Smentek and B. Andes Hess, Jr.

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2008, 73, 1457–1474

Interaction of Gold Atom with Clusters of Water: Few Computational Mise-En-Scènes with Hydrogen Bonding Motif

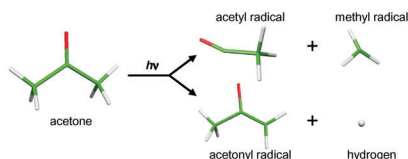
Eugene S. Kryachko



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2008, 73, 1475–1494

Photodissociation Pathways of Acetone Upon Excitation Into the 3s Rydberg State: Adiabatic Versus Diabatic Mechanism

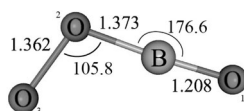
Ivana Antol, Mirjana Eckert-Maksić,
 Milan Ončák, Petr Slavíček and Hans Lischka



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2008, 73, 1495–1508

BO₃ Molecular Structures: Examples of the Importance of Electron Correlation

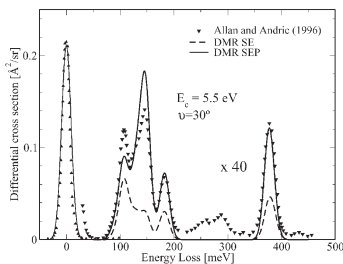
Alexander Yu. Sokolov, Nathan J. Stibrich and
 Henry F. Schaefer III



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2008, 73, 1509–1524

Calculations of Polarizabilities and Their Gradients for Electron Energy-Loss Spectroscopy

Ivana Paidarová, Roman Čurík and
 Stephan P. A. Sauer



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2008, 73, 1525–1551

Coupled Cluster Study of Polycyclopentanes: Structure and Properties of C₅H_{2n}, n = 0–4

Libor Veis, Petr Čársky, Jiří Pittner and
 Josef Michl

