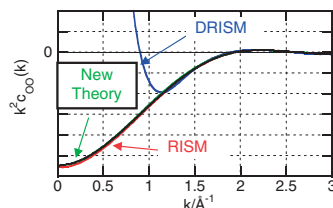


T. Yamaguchi

## Dielectrically-Consistent Stell Correction for Integral Equation Theory on Electrolyte Solutions

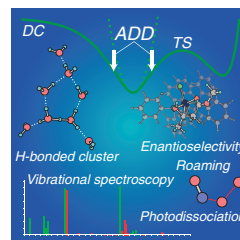
Tsuyoshi Yamaguchi\* and Shinobu Koda  
*Bull. Chem. Soc. Jpn.* **2015**, *88*, 804-813



S. Maeda

## Anharmonic Downward Distortion Following for Automated Exploration of Quantum Chemical Potential Energy Surfaces

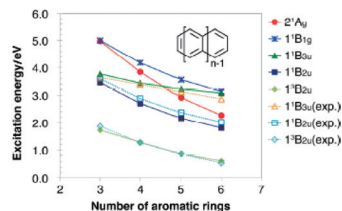
Satoshi Maeda,\* Tetsuya Taketsugu,  
 Keiji Morokuma,\* and Koichi Ohno\*  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 1315-1334



Y. Kurashige

## Theoretical Study of the $\pi \rightarrow \pi^*$ Excited States of Oligoacenes: A Full $\pi$ -Valence DMRG-CASPT2 Study

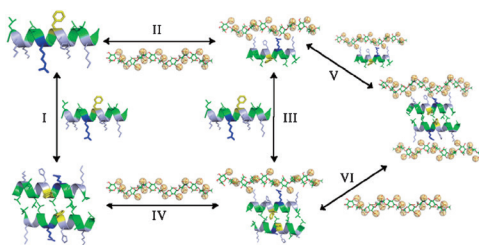
Yuki Kurashige\* and Takeshi Yanai  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 1071-1073



H. Mihara

## A Computational Study of the Interaction of Amphiphilic $\alpha$ -Helical Cell-Penetrating Peptides with Heparan Sulfate

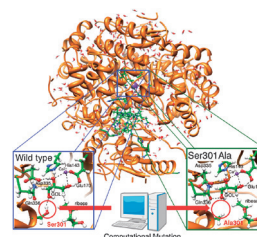
Ji Yang, Tadaomi Furuta, Minoru Sakurai,  
 Hiroshi Tsutsumi, and Hisakazu Mihara\*  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 1074-1082



K. Yoshizawa

## Computational Mutation Design of Diol Dehydratase: Catalytic Ability toward Glycerol beyond the Wild-Type Enzyme

Kazuki Doitomi, Hiromasa Tanaka,  
 Takashi Kamachi, Tetsuo Toraya, and  
 Kazunari Yoshizawa\*  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 950-959

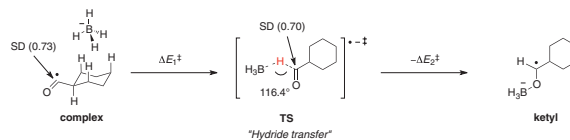




H. Matsubara

### A Theoretical Study on Reduction of Acyl Radicals with Borohydride Anions

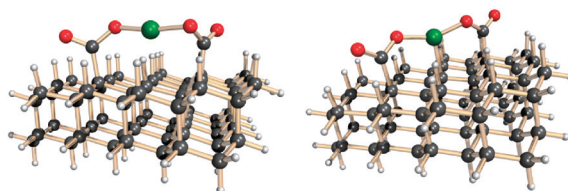
Takuji Kawamoto, Hiroshi Matsubara,\* and Ilhyong Ryu  
*Chem. Lett.* **2014**, *43*, 1140-1142



I. D. Gridnev

### Combined Experimental and DFT Study of the Chemical Binding of Copper Ions on the Surface of Nanodiamonds

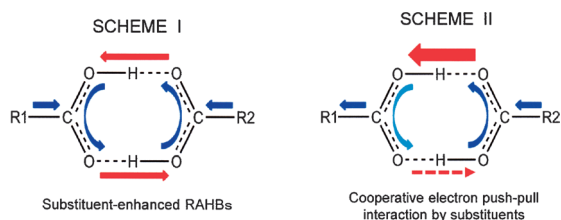
Ilya D. Gridnev,\* Vladimir Yu. Osipov, Alexander E. Aleksenskii, Alexander Ya. Vul', and Toshiaki Enoki  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 693-704



K. Tabayashi

### Substituent R-Effects on Intermolecular Resonance-Assisted Hydrogen (H) Bonds: Theoretical Analysis of Double H-Bonded Dimers of Carboxylic Acids

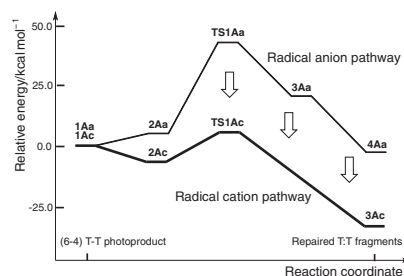
Kiyohiko Tabayashi\* and Osamu Takahashi  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 479-490



T. Matsubara

### Computational Study on the Mechanism of the Electron-Transfer-Induced Repair of the (6-4) T-T Photoproduct of DNA by Photolyase: Possibility of a Radical Cation Pathway

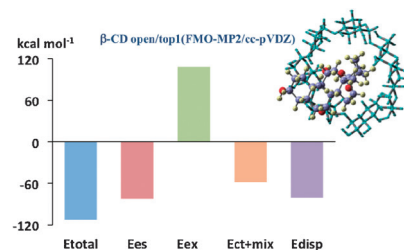
Toshiaki Matsubara,\* Nozomi Araida, Daichi Hayashi, and Hatsumi Yamada  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 390-399



K. Takano

### Theoretical Study on Intermolecular Interactions in Complexes of Cyclodextrins with Bile Acids: DFT and Ab Initio Fragment Molecular Orbital Calculations

Lan Yao, Yukie Mori, and Keiko Takano\*  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 258-266

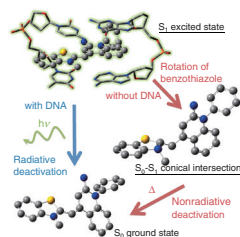




H. Nakai

### Theoretical Study on the Selective Fluorescence of PicoGreen: Binding Models and Photophysical Properties

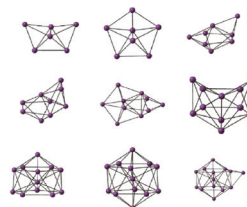
Masaki Okoshi, Patchreenart Saparpakorn, Yuta Takada, Supa Hannongbua, and Hiromi Nakai\*  
*Bull. Chem. Soc. Jpn.* **2014**, *87*, 267-273



X. Liu

### A Density Functional Analysis on Formation of Rubidium and Cesium Atomic Clusters in the Highest Spin State

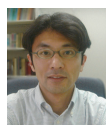
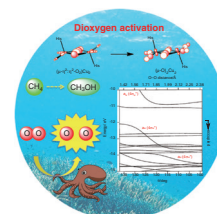
Xuan Liu,\* Haruhiko Ito, and Eiko Torikai  
*Bull. Chem. Soc. Jpn.* **2013**, *86*, 1248-1255



K. Yoshizawa

### Quantum Chemical Studies on Dioxygen Activation and Methane Hydroxylation by Diiron and Dicopper Species as well as Related Metal-Oxo Species

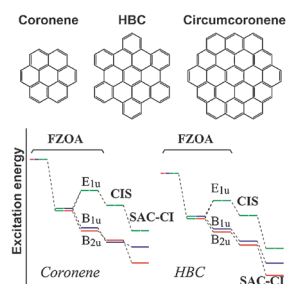
Kazunari Yoshizawa  
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R. Fukuda

### Theoretical Study on the Excited Electronic States of Coronene and Its $\pi$ -Extended Molecules Using the Symmetry-Adapted Cluster-Configuration Interaction Method

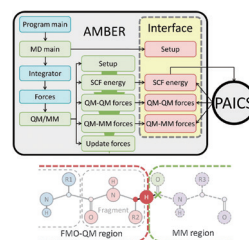
Ryoichi Fukuda\* and Masahiro Ehara  
*Bull. Chem. Soc. Jpn.* **2013**, *86*, 445-451



Y. Koyano

### A Minimal Implementation of the AMBER-PAICS Interface for Ab Initio FMO-QM/MM-MD Simulation

Takuya Okamoto, Takeshi Ishikawa, Yoshiyuki Koyano, Norifumi Yamamoto, Kazuo Kuwata, and Masataka Nagaoka\*  
*Bull. Chem. Soc. Jpn.* **2013**, *86*, 210-222





I. I. Guseinov

### Accurate and Fast Evaluation of Three-Center Nuclear Attraction Integrals of Coulomb–Yukawa Like Correlated Interaction Potentials and Slater Type Orbitals

Israfil I. Guseinov and Nurşen Seçkin Görgün\*  
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