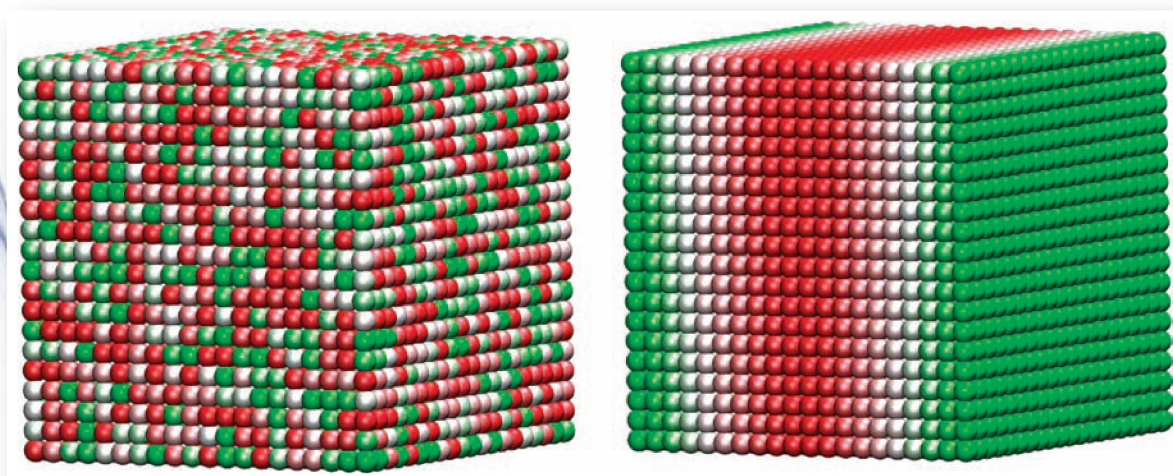


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COMMUNICATIONS

Communication: On the competition between adiabatic and nonadiabatic dynamics in vibrationally mediated ammonia photodissociation in its A band

Changjian Xie, Xiaolei Zhu, Jianyi Ma, David R. Yarkony, Daiqian Xie and Hua Guo
J. Chem. Phys. **142**, 091101 (2015); <http://dx.doi.org/10.1063/1.4913633>

Communication: The absolute shielding scales of oxygen and sulfur revisited

Stanislav Komorovsky, Michal Repisky, Elena Malkin, Kenneth Ruud and Jürgen Gauss
J. Chem. Phys. **142**, 091102 (2015); <http://dx.doi.org/10.1063/1.4913634>

Communication: Observation of dipole-bound state and high-resolution photoelectron imaging of cold acetate anions

Dao-Ling Huang, Guo-Zhu Zhu and Lai-Sheng Wang
J. Chem. Phys. **142**, 091103 (2015); <http://dx.doi.org/10.1063/1.4913924>

Communication: Equilibrium rate coefficients from atomistic simulations: The $O(^3P) + NO(^2\Pi) \rightarrow O_2(X^3\Sigma_g^-) + N(^4S)$ reaction at temperatures relevant to the hypersonic flight regime

Juan Carlos Castro-Palacio, Raymond J. Bemish and Markus Meuwly
J. Chem. Phys. **142**, 091104 (2015); <http://dx.doi.org/10.1063/1.4913975>

Communication: Accurate hydration free energies at a wide range of temperatures from 3D-RISM

Maksim Misin, Maxim V. Fedorov and David S. Palmer
J. Chem. Phys. **142**, 091105 (2015); <http://dx.doi.org/10.1063/1.4914315>

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Jörg Kussmann, Arne Luenser, Matthias Beer and Christian Ochsenfeld
J. Chem. Phys. **142**, 094101 (2015); <http://dx.doi.org/10.1063/1.4908131>

Exact milestone

Juan M. Bello-Rivas and Ron Elber
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Conduction of molecular electronic devices: Qualitative insights through atom-atom polarizabilities

T. Stuyver, S. Fias, F. De Proft, P. W. Fowler and P. Geerlings
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Comparison of the kinetics of different Markov models for ligand binding under varying conditions

Johannes W. R. Martini and Michael Habeck
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Electron dynamics upon ionization: Control of the timescale through chemical substitution and effect of nuclear motion

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Tuomas P. Rossi, Susi Lehtola, [Arto Sakko](#), Martti J. Puska and Risto M. Nieminen

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The externally corrected coupled cluster approach with four- and five-body clusters from the CASSCF wave function

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On the validity of the basis set superposition error and complete basis set limit extrapolations for the binding energy of the formic acid dimer

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