

CONFERENCE PRESENTATIONS

1. R. Burcl, S. M. Cybulski, and M. M. Szczyński,
8th International Congress of Quantum Chemistry, Prague, June 1994
Ab initio calculations of the 3-body interaction in Ar_2Cl^- .
2. R. Burcl, S. M. Cybulski, M. M. Szczyński, and G. Chałasiński,
213th ACS National Meeting, San Francisco, April 1997
Ab Initio calculations of the interactions of He with Cl_2 ($\text{B}^3\text{P}_{\text{u}}$) and $\text{Cl}(\text{X}^2\text{P})$.
3. R. Burcl and M. M. Szczyński,
9th International Congress of Quantum Chemistry, Atlanta, June 1997
Three-body interactions in the $\text{Ar}_2(\text{H}_2\text{O})$ cluster. An ab initio study.
4. R. Burcl, A. A. Buchachenko, M. M. Szczyński, G. Chałasiński, and S. M. Cybulski,
Gordon Research Conference - Ionic and Molecular Clusters, Ventura, January 1998
Van der Waals complexes including open-shell atoms. Rare gas atom interaction with chlorine atom from adiabatic ab initio calculations.
5. R. Burcl, P. Piecuch, V. Špirko, and O. Bludský,
40th Sanibel Symposium, San Augustine, March 2000
Bound and quasi-bound states of the $\text{Li}\dots\text{FH}$ van der Waals molecule.
6. R. Burcl, P. Piecuch, V. Špirko, and O. Bludský,
16th Annual Symposium on Chemical Physics, Waterloo, October 2000
Bound and quasi-bound states of the $\text{Li}\dots\text{FH}$ van der Waals molecule: The effects of the potential energy surface. (talk)
7. E. Kratz, R. Burcl, P. Piecuch, and V. Špirko,
16th Annual Symposium on Chemical Physics, Waterloo, October 2000
Ab initio studies of the $\text{Li}\dots\text{FCH}_3$ Complex.
8. R. Burcl, R. D. Amos, and N. C. Handy,
Molecular Quantum Mechanics: The Right Answer for the Right Reason (An International Conference in Honor of Prof. E. R. Davidson), Seattle, July 2001
Dipole moment of excited states by DFT.
9. R. Burcl, N. C. Handy, and S. Carter,
Theonet II meeting, Cambridge, September 2002
Vibrational spectra of furan, pyrrole, and thiophene from a DFT anharmonic force field. (talk)
10. R. Burcl, N. C. Handy, and S. Carter,
12th European Seminar on Computational Methods in Quantum Chemistry, Utrecht, September 2002
Vibrational spectra of furan, pyrrole, and thiophene from a DFT anharmonic force field.
11. R. Burcl, N. C. Handy, and S. Carter,
11th International Congress of Quantum Chemistry, Bonn, July 2003
Infrared spectra of five-membered ring systems: beyond harmonic approximation.
12. R. Burcl, N. C. Handy, and S. Carter,
34th meeting of Southeast Theoretical Chemistry Association (SETCA 2005), June 2005
Vibrational spectroscopy of medium-sized molecules: Beyond the double-harmonic approximation. (Invited talk)