

## Sylwia Freza (Smuczyńska)

Lista publikacji  
z dnia 30 października 2010

### Publikacje w czasopismach

1. Sikorska C., Ignatowska D., Freza S., Skurski P., *The performance of selected ab initio methods in estimating electron binding energies of superhalogen anions*, *J. Theor. Comput. Chem.* 10: 93-110, (w druku)
2. Freza S., Skurski P., 2010, *Enormously large (approaching 14 eV!) electron binding energies of  $[H_nF_{n+1}]^-$  ( $n=1-5,7,9,12$ ) anions*, *Chem. Phys. Lett.* 487: 19-23
3. Sikorska C., Freza S., Skurski P., 2010, *The reason why  $HAICl_4$  acid does not exist*, *J. Phys. Chem. A* 114: 2235-2239
4. Anusiewicz I., Freza S., Sikorska C., Skurski P., 2010, *A strongly bound  $OF_3^-$  anion and its unstable parent neutral  $OF_3$  species*, *Chem. Phys. Lett.* 493: 234-237
5. Freza S., Skurski P., Bobrowski M., 2010, *Influence of substituents in vinyl groups on reactivity of parylene during polymerization process*, *Chem. Phys.* 368: 126-132
6. Smuczyńska S., Skurski P., 2009, *Halogenoids as Ligands in Superhalogen Anions*, *Inorg. Chem.* 48: 10231-10238
7. Smuczyńska S., Simons J., 2009, *Effects of Local Coulomb Potentials on Acid and Base Protonation–Deprotonation Rates and Equilibria*, *Int. J. Quantum Chem.* 109: 3120-3130
8. Neff D., Smuczyńska S., Simons J., 2009, *Electron shuttling in electron transfer dissociation*, *Inter. J. Mass Spec.* 283: 122-134
9. Smuczyńska S., Gwarda I., Anusiewicz I., Skurski P., 2009, *Is the p-chloroaniline anion bound almost entirely by correlation?*, *J. Chem. Phys.* 130: 124316
10. Sikorska C., Smuczyńska S., Skurski P., Anusiewicz I., 2008,  *$BX_4^-$  and  $AlX_4^-$  superhalogen anions ( $X = F, Cl, Br$ ): An ab initio study*, *Inorg. Chem.* 47: 7348-7354
11. Smuczyńska S., Skurski P., 2008, *Introducing various ligands into superhalogen anions reduces their electronic stabilities*, *Chem. Phys. Lett.* 452: 44-48
12. Smuczyńska S., Skurski P., 2007, *Is hydrogen capable of playing a central atom role in superhalogen anions?*, *Chem. Phys. Lett.* 443: 190-193