

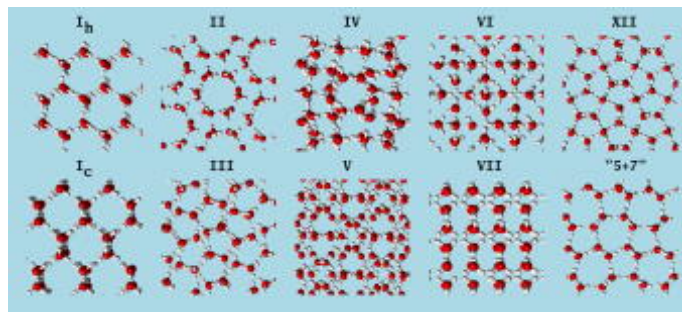


Remembering Victoria: Recent Work

1. Crystal structure using small unit cells

VB, R. Martonak, M. Parrinello *J. Chem. Phys.* **123**, 051108 (2005)

VB, R. Martonak, M. Parrinello *J. Chem. Phys.* **124**, 204705 (2006)



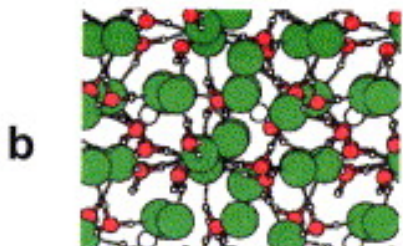
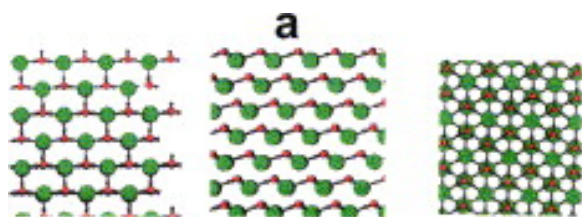
2. Hydrates of HCl (AIMD and FTIR)

J. P. Devlin, VB, F. Mohammed, M. Parrinello *Chem. Phys. Lett.* **432**, 362 (2006)

VB, F. Mohammed, M. Parrinello, J. P. Devlin *J. Chem. Phys.* **126**, 021102 (2007)

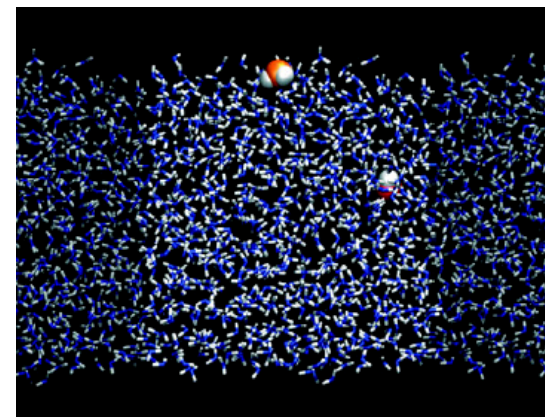
VB, F. Mohammed, M. Parrinello, J. P. Devlin *J. Chem. Phys.* **126**, 074503 (2007)

VB, A. Dubrovskiy, F. Mohammed, M. Parrinello, J. Sadlej, A. D. Hammerich, J. P. Devlin, *J. Phys. Chem. A* **112**, 2144 (2008)





3. Aqueous interfaces.



“Water surface is acidic” VB, A. Millet, R. Vacha, P. Jungwirth, J. P. Devlin
Proc. Natl. Acad. Sci. **104**, 7342 (2007)

“Autoionization at the surface of neat water: Is the top layer pH neutral, basic, or acidic?”
R. Vacha, VB, A. Millet, J. P. Devlin, P. Jungwirth *Phys. Chem. Chem. Phys.* **9** (2007)

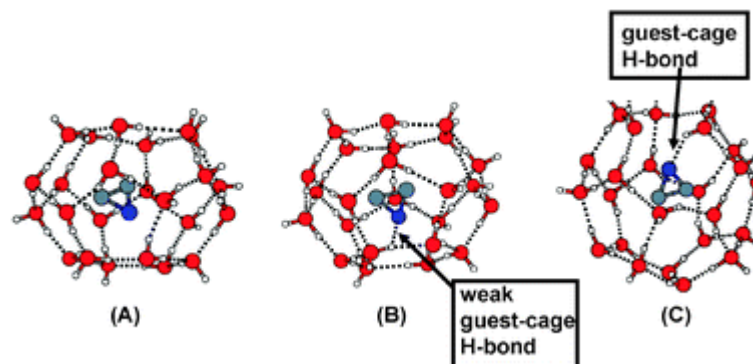
Comment by J. K. Beattie: *Phys. Chem. Chem. Phys.* **10**, 330 (2008)

Authors respond: *Phys. Chem. Chem. Phys.* **10**, 332 (2008)

“Surface of neat water is basic” J. K. Beattie *et al. Faraday Disc.* **141**, 31 (2009)

4. Clathrate hydrates

VB, J. P. Devlin, I. A. Monreal, B. Jagoda-Cwiklik, N. Uras-Aytemiz, L. Cwiklik *Phys. Chem. Chem. Phys.* **11** (2009)

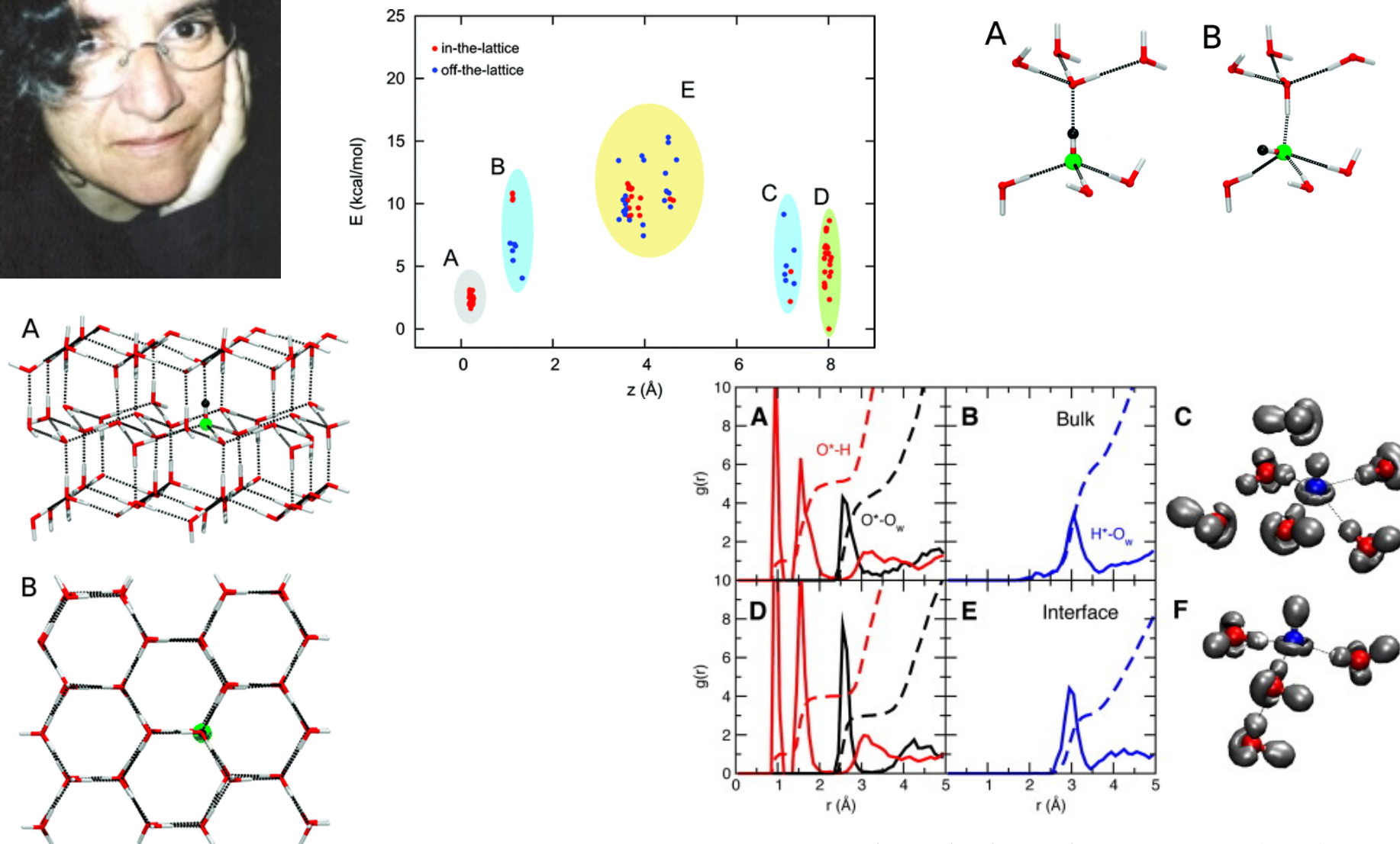




5. Hydroxide in ice.

L. Cwiklik, *VB Phys. Chem. Chem. Phys.* 11, 1294 (2009)

L. Cwiklik, J. P. Devlin, *VB J. Phys. Chem. A* 113, 7482 (2009)



From Mundy *et al.* *Chem. Phys. Lett.* **481**, 2 (2009)



ידישעס ליד א

לאמיר הייבן נאך א פלאש דיר זו
זאגען יתגדל ויתקדש ון
אז דו ביסט געוויין א גרויסע מענטש
זאלסט זיון אין אייביקייט געבענשט
די ארבעט וועט זיכער איסהאלטן
דו אבער וועשט אונדז דאך פעלן