

## DISSOCIATIVE ELECTRON ATTACHMENT PUBLICATIONS

Paul D. Burrow

1. "Dissociative Attachment from the  $O_2(a^1\Delta_g)$  State," J. Chem. Phys. **59**, 4922 (1973). (P.D. Burrow).
2. "Dissociative Attachment in Vinyl and Allyl Chloride, Chlorobenzene and Benzyl Chloride," Chem. Phys. Letters **131**, 279 (1986). (K.L. Stricklett, S.C. Chu and P.D. Burrow).
3. "Dissociative Attachment and Predissociation in Ammonia," J. Phys. B: At. Mol. Phys. **19**, 4241 (1986). (K.L. Stricklett and P.D. Burrow).
4. "Dissociative Attachment of Electrons in the Chloromethanes," Chem. Phys. Letters **172**, 17 (1990). (S.C. Chu and P.D. Burrow).
5. "Thermal Decomposition and the Apparent Dissociative Attachment Cross Section of Heated Methyl-, Ethyl- and t-Butylchloride," Chem. Phys. Letters **206**, 483 (1993). (D.M. Pearl and P.D. Burrow).
6. "Dissociative Attachment as a Probe of Intramolecular Electron Transfer," J. Am. Chem. Soc. **115**, 9876 (1993). (D.M. Pearl, P.D. Burrow, J.J. Nash, H. Morrison and K.D. Jordan).
7. "Dissociative Attachment in Selected Monochloroalkanes," J. Chem. Phys. **101**, 2940 (1994). (D.M. Pearl and P.D. Burrow).
8. "Dissociative Attachment in Hot  $CH_3Cl$ : Experiment and Theory," J. Chem. Phys. **102**, 2737 (1995). (D.M. Pearl, P.D. Burrow, I.I. Fabrikant, and G.A. Gallup).
9. "Dissociative Attachment from Monochlorinated Hydrocarbon in the Gas Phase," Nuclear Instruments and Methods in Physics Research B **101**, 219(1995). (P.D. Burrow and D.M. Pearl).
10. "Dissociative Attachment as a Probe of the Distance Dependence of Intramolecular Electron Transfer," J. Phys. Chem. **99**, 12379 (1995). (D.M. Pearl, P.D. Burrow, J.J. Nash, H. Morrison, D. Nachtigallova and K.D. Jordan).
11. "Dissociative Attachment Studies of Halogen-containing Molecules: Problems, Applications and Challenges," Aust. J. Phys. **49**, 403 (1996). (P.D. Burrow, G.A. Gallup, I.I. Fabrikant and K.D. Jordan).
12. Dissociative Electron Attachment in Chloroalkanes and the Correlation with Vertical Attachment Energies," Chem. Phys. Letters **282**, 398 (1998). (K. Aflatooni, G.A. Gallup and P.D. Burrow).
13. "Total Cross Sections for Dissociative Electron Attachment in Dichloroalkanes and Selected Polychloroalkanes: The Correlation with Vertical Attachment Energies," J. Chem. Phys. **113**, 1455 (2000). (K. Aflatooni and P.D. Burrow).

14. "Dissociative Electron Attachment in Chlorofluoromethanes and the Correlation with Vertical Attachment Energies", *Int. J. Mass Spectrom.* **205**, 149 (2001). (K. Aflatooni and P.D. Burrow).
15. "Dissociative Electron Attachment to Molecules in the Gas Phase and in Rare Gas Solids", *J. Chem. Phys.* **116**, 5471 (2002). (P.D. Burrow and K. Aflatooni).
16. "Dissociative electron attachment near threshold, thermal attachment rates, and vertical attachment energies of chloroalkanes", *J. Chem. Phys.* **118**, 2562 (2003). (G.A. Gallup, K. Aflatooni and P.D. Burrow).
17. "Bond Breaking and Temporary Anion States in Uracil and Halouracils: Implications for the DNA Bases", *Phys. Rev. Letters* **92**, 068102 (2004). (A.M. Scheer, K. Aflatooni, G.A. Gallup and P.D. Burrow).
18. "Dissociative Electron Attachment in Uracil: Total Anion Yield", *Chem. Phys. Letters* **408**, 426 (2005). (K. Aflatooni, A.M. Scheer and P.D. Burrow).
19. "Dissociative Electron Attachment to Uracil Deuterated at the N<sub>1</sub> and N<sub>3</sub> Positions", *Chem. Phys. Letters* **411**, 46 (2005). (A.M. Scheer, C. Silvernail, J.A. Belot, K. Aflatooni, G.A. Gallup and P.D. Burrow).
20. "Vibrational Feshbach Resonances in Uracil and Thymine", *J. Chem. Phys.* **124**, 124310 (2006). (P.D. Burrow, G.A. Gallup, A.M. Scheer, S. Denifl, S. Ptasinska, T. Maerk and P. Scheier).
21. "Electron Capture Detector Response and Dissociative Electron Attachment Cross Sections in Chloroalkanes and Chloroalkenes", *J. Phys. Chem. A* **110**, 4363 (2006). (S. Onanong, P.D. Burrow, S.D. Comfort and P.J. Shea).
22. "Total Dissociative Electron Attachment Cross Sections for Molecular Constituents of DNA", *J. Chem. Phys.* **125**, 054301 (2006). (K. Aflatooni, A.M. Scheer and P.D. Burrow).
23. "Remote Bond Breaking by Interacting Temporary Anion States", *J. Chem. Phys.* **125**, 154309 (2006). (P.D. Burrow and G.A. Gallup).
24. "Using Gas-Phase Molecular Descriptors to Predict Dechlorination Rates of Chloroalkanes by Zerovalent Iron", *Environ. Sci. Technol.* **41**, 1200 (2007). (S. Onanong, S.D. Comfort, P.D. Burrow and P.J. Shea).
25. "Total Dissociative Electron Attachment Cross Sections of Selected Amino Acids", *J. Chem. Phys.* **126**, 174301 (2007). (A.M. Scheer, P. Mozejko, G.A. Gallup and P.D. Burrow).
26. "Low-energy electron capture by 6-aza-2-thiothymine: Investigations by electron attachment and electron transmission spectroscopies", *J. Phys. Chem. A* **111**, 11837 (2007). (S.A. Pshenichnyuk, G.A. Gallup and P.D. Burrow).