

Contents

1. Molecular mechanics and conformation A. Meyer	1
2. Diamagnetic behaviour of compounds containing carbon-halogen bonds R. R. Gupta	49
3. The mass spectra of azides and halides J. M. Miller and T. R. B. Jones	75
4. Nuclear quadrupole resonance of carbon-bonded halogens E. A. C. Lucken	107
5. 1,2-Dehalogenations and related reactions E. Baciocchi	161
6. Electrochemical oxidation, reduction and formation of the C—X bond – direct and indirect processes J. Y. Becker	203
7. Pyrolysis of aryl azides L. K. Dyll	287
8. Vinyl, aryl and acyl azides H. W. Moore and D. M. Goldish	321
9. Recent advances in the radiation chemistry of halocarbons A. Horowitz	369
10. Organic chemistry of astatine K. Berei and L. Vasáros	405
11. Positive halogen compounds A. Foucaud	441
12. Aspects of the chemistry of halophenols and halodienones J. M. Brittain and P. B. D. de la Mare	481
13. α -Halogenated imines N. De Kimpe and R. Verhé	549
14. Fluorocarbons B. E. Smart	603
15. Xenon halide halogenations M. Zupan	657
16. The $S_{RN}1$ reaction of organic halides R. K. Norris	681

17. Reactions involving solid organic halides E. Hadjoudis	703
18. Hypervalent halogen compounds G. F. Koser	721
19. Synthesis and reactivity of α -halogenated ketones R. Verhé and N. De Kimpe	813
20. Electrophilic assistance to reactions at a C—X bond D. N. Kevill	933
21. Molecular interactions involving organic halides J.-M. Dumas, M. Gomel and M. Guerin	985
22. Formation of carbon–halogen bonds M. Hudlicky and T. Hudlicky	1021
23. Alkene-forming eliminations involving the carbon–halogen bond E. Baciocchi	1173
24. Structural chemistry of the carbon–halogen and carbon–pseudohalogen bonds M. Kaftory	1229
25. Halonium ions G. F. Koser	1265
26. Carbon–carbon bond formation involving organic halides and transition metal compounds F. Naso and G. Marchese	1353
27. Dihalocyclopropanes P. Weyerstahl	1451
28. Photoelectron spectra of organic halogen compounds K. Wittel and H. Bock	1499
29. Recent advances in the photochemistry of the carbon–halogen bond G. Lodder	1605
Author Index	1685
Subject Index	1815