
Contents

Theoretical Characterization of the Trends in Halogen Bonding A. Karpfen	1
The Interaction of Dihalogens and Hydrogen Halides with Lewis Bases in the Gas Phase: An Experimental Comparison of the Halogen Bond and the Hydrogen Bond A. C. Legon	17
Halogen Bonding with Dihalogens and Interhalogens W. T. Pennington · T. W. Hanks · H. D. Arman	65
Halogen Bonding in Crystal Engineering P. Metrangolo · G. Resnati · T. Pilati · S. Biella	105
X-ray Structures and Electronic Spectra of the π-Halogen Complexes between Halogen Donors and Acceptors with π-Receptors S. V. Rosokha · J. K. Kochi	137
Halogen-bonded Liquid Crystals D. W. Bruce	161
Halogen Bonding in Conducting or Magnetic Molecular Materials M. Fourmigué	181
Author Index Volumes 101–126	209
Subject Index	219