Research Publications  Ian G. Dance

Reviews and chapters


**Research Papers**


97. The Characterisation of [HSe]\textsuperscript{−} and [Se\textsubscript{x}]\textsuperscript{2−} Ions by \textsuperscript{77}Se NMR, John Cusick and Ian Dance, *Organic Mass Spectrometry*, **26**, 920-922, 1991.


170. A short but weak Cu–Cu interaction in [Cu_{2}Br_{5}]²⁻, a crystal engineered (Cu^{+1.5})_{2} confacial bitetrahedral complex, Caitlin Horn, Ian Dance, Don Craig, Marcia Scudder and Graham Bowmaker, *J. Am. Chem. Soc.*, 120, 10549-10550 (1998).


182. The crystal supramolecularity of methyltrihenylphosphonium dichromate, Susan Lorenzo, Donald C. Craig, Marcia L. Scudder and Ian G. Dance, Polyhedron, 18, 3181-3185 (1999).


184. Crystal supramolecularity: an unusual occurrence of benzene trapped in edge-to-edge conformation, Marcia Scudder and Ian Dance, CrystEngComm., 1999, 8, 1-3


200. The crystal packing of [M(phen)₃]I₇ (M = Mn, Fe), Caitlin Horn, Marcia Scudder and Ian Dance, *CrystEngComm*, 2000, 036, 1-5.


207. Analyses of the crystal packing of (Ph₃P)₂Ag(O₂C₂O₂)Ag(PPh₃)₂ and related heavily phenylated molecules: substitutional trimorphism. Philip A. W. Dean, Marcia Scudder, Don Craig and Ian Dance. *CrystEngComm*, 2001, 22, 1-7.


215. Crystal structures and supramolecular motifs in six polymorphs [Fe(phen)]₃(I₃)$_₂$(solvent): solvent = acetone, CH₂Cl₂, DMF, CH₃CN, toluene or H₂O, Caitlin Horn, Louise Berben, Hong Chow, Marcia Scudder and Ian Dance, *CrystEngComm*, 2002, 4, 7-12.


235. Crystal packing principles for ferrocenyl groups linked by polyyne chains: dimorphism of Fe–C$_4$–Fc, Felicia Maharaj, Andrew McDonagh, Marcia Scudder, Don Craig and Ian Dance, CrystEngComm., 5 (53), 305–309 (2003).


237. A variable Ag-Cr-oxalate channel lattice: [M$_4$Ag$_{0.5-x}$(H$_2$O)$_3$] @ [Ag$_2.5$Cr(C$_2$O$_4$)$_3$], M = K, Cs, Ag. Phillip A. W. Dean, Don Craig, Ian Dance, Vanessa Russell, and Marcia Scudder, Inorg. Chem., 43, 443-449 (2004).


242. A synthetic, structural and $^{113}$Cd NMR study of cadmium complexes of 1,3-thiazolidine-2-thionate, including the structures of Cd(C$_5$H$_4$NS$_2$)$_2$ , (Cd(C$_5$H$_4$NS$_2$)$_2$(C$_5$H$_5$N)$_3$ C$_5$H$_4$N, and (Ph$_4$P)$_2$I$_2$Cd(C$_5$H$_4$NS$_2$)$_2$CdI$_2$. Donald C Craig, Ian G Dance, Philip A W Dean, J. M. Hook, H. A. Jenkins, C.W. Kirby, Marcia L Scudder, and U. Rajalingam, Canadian J. Chem., 83, 174-184 (2005).


**Non refereed material**