

## Publications in 2003

144. S.M. Cornet, K.B. Dillon, C.D. Entwistle, M.A. Fox, A.E. Goeta, H.P. Goodwin, T.B. Marder, and A.L. Thompson, "Synthesis and Characterisation of Some New Boron Compounds Containing the 2,4,6-(CF<sub>3</sub>)<sub>3</sub>C<sub>6</sub>H<sub>2</sub> (fluoromes = Ar), 2,6-(CF<sub>3</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub> (fluoroxyl = Ar'), or 2,4-(CF<sub>3</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub> (Ar") Ligands," *Dalton Trans.*, 4395-4405 (2003).  
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143. A. Beeby, K.S. Findlay, P.J. Low, T.B. Marder, P. Matousek, A.W. Parker, S.R. Rutter, and M. Towrie, "Studies of the S<sub>1</sub> State in a Prototypical Molecular Wire Using Picosecond Time-resolved Spectroscopies," *Chem. Commun.*, 2406-2407 (2003).  
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142. W.H. Lam, S. Shimada, A.S. Batsanov, Z. Lin, T.B. Marder, J. Cowan, J.A.K. Howard, S.A. Mason, and G.J. McIntyre, "Accurate Molecular Structures of 16-Electron Rhodium Hydrido Boryl Complexes: Low Temperature Single-Crystal X-ray and Neutron Diffraction and Computational Studies of [(PR<sub>3</sub>)<sub>2</sub>RhHCl(Boryl)] (Boryl = Bpin, Bcat)," *Organometallics*, **22**: 4557-4568 (2003).  
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138. M.S. Khan, M.R.A. Al-Mandhary, M.K. Al-Suti, T.C. Corcoran, J.P. Attfield, N. Feeder, W.I.F. David, K. Shankland, R.H. Friend, A. Khöler, E.A. Marseglia, E. Tedesco, C.C. Tang, P.R. Raithby, J.C. Collings, K.P. Roscoe, A.S. Batsanov, L.M. Stimson, and T.B. Marder, "Synthesis and Optical Characterisation of Platinum(II) Poly-yne Polymers Incorporating Substituted 1,4-Diethynylbenzene Derivatives and an Investigation of the Intermolecular Interactions in the Diethynylbenzene Molecular Precursors," *New J. Chem.*, **27**: 140-149 (2003).  
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137. J.C. Collings, K.P. Roscoe, E.G. Robins, A.S. Batsanov, L.M. Stimson, J.A.K. Howard, S.J. Clark, and T.B. Marder, "Arene - Perfluoroarene Interactions in Crystal Engineering 8: Structures of 1:1 Complexes of Hexafluorobenzene with Fused-Ring Polyaromatic Hydrocarbons," *New J. Chem.*, **26**: 1740-1746 (2002).  
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135. C.D. Entwistle and T.B Marder, "Boron Chemistry Lights the Way: Optical Properties of Molecular and Polymeric Systems," *Angew. Chem. Int. Ed. Engl.*, **41**: 2927-2931 (2002); *Angew. Chem.*, **114**: 3051-3056 (2002).  
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134. J.C. Collings, A.S. Batsanov, J.A.K. Howard, and T.B. Marder, "Arene-perfluoroarene Interactions in Crystal Engineering 7: Single-Crystal Structures of 1:1 Complexes of Octafluoronaphthalene and Hexafluorobenzene with Acenaphthene," *Crystal Engineering*, **5**: 37-46 (2002).  
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133. P. Nguyen, R.B. Coapes, J.M. Burke, J.A.K. Howard, and T.B. Marder, "Rhodium(I) Catalysed Diboration of (E)-Styrylboronate Esters: Molecular Structures of (E)-*p*-MeO-C<sub>6</sub>H<sub>4</sub>-CH=CH-B(1,2-O<sub>2</sub>C<sub>6</sub>H<sub>4</sub>) and *p*-MeO-C<sub>6</sub>H<sub>4</sub>-CH<sub>2</sub>C{B(1,2-O<sub>2</sub>C<sub>6</sub>H<sub>4</sub>)}3," **invited contribution** for special "Frontiers in Organometallic Chemistry" issue of *J. Organometal. Chem.*, **652**: 77-85 (2002).  
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128. A.S. Batsanov, J.C. Collings, J.A.K. Howard, T.B. Marder, and D.M. Perepichka, "Arene-perfluoroarene Interactions in Crystal Engineering. 5. Octafluoronaphthalene:tetrathiofulvalene complex (1:1)," *Acta Crystallogr.*, **C57**: 1306-1307 (2001).  
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126. J.C. Collings, K.P. Roscoe, R. Li. Thomas, A.S. Batsanov, L.M. Stimson, J.A.K. Howard, and T.B. Marder, "Arene-Perfluoroarene Interactions in Crystal Engineering 3: Single-Crystal Structures of 1:1 Complexes of Octafluoronaphthalene with Fused-Ring Polyaromatic Hydrocarbons," *New J. Chem.*, **25**: 1410-1417 (2001).  
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125. J.C. Collings, A.S. Batsanov, J.A.K. Howard, and T.B. Marder, "Octafluoronaphthalene: Diphenylacetylene (1:1)," *Acta Crystallogr.*, **C57**: 870-872 (2001).  
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121. W. Clegg, T.B. Marder, A.J. Scott, C. Wiesauer, and W. Weissensteiner, "A 2-Styrylboronate Ester," *Acta Crystallogr.*, **E57**: o63-o65 (2001).  
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## Publications in 2000

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118. Z. Yuan, J.C. Collings, N.J. Taylor, T.B. Marder, C. Jardin, and J.-F. Halet, "Linear and Nonlinear Optical Properties of Three-Coordinate Organoboron Compounds," *J. Solid State Chem.*, **154**: 5-12 (2000).  
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117. V.C. Williams, G.J. Irvine, W.E. Piers, Z. Li, S. Collins, W. Clegg, M.R.J. Elsegood, and T.B. Marder, "Novel Trityl Activators with Weakly Coordinating Anions Derived From 1,2-[B(C<sub>6</sub>F<sub>5</sub>)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>F<sub>4</sub>: Synthesis, Structures and Olefin Polymerization Behavior," *Organometallics*, **19**: 1619-1621 (2000).  
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