

Journal Publications

(**bold face** indicates researchers in the Thompson group; underlined = graduate students; underlined = undergraduate students; numbers represent the order of publication; parentheses indicate major funding source)

Refereed journal publications

84. Synthesis and Photobiological Activity of Ru(II) Dyads Derived from Pyrrole-2-Carboxylate Thionoesters. **Smithen, D.A.**; Yin, H.; **Beh, M.H.R.**; Hetu, M.; Cameron, T.S.; McFarland, S.A.; Thompson, A. *Inorg. Chem.* **2017**, accepted, ic-2017-00072f.R1 (NSERC).
83. Probing the Hydrolytic Reactivity of 2-Difluoromethyl Pyrroles. **Melanson, J.A.**; **Figliola, C.**; **Smithen, D.A.**; **Kajetanowicz, A.K.**; Thompson, A. *Org. Biomol. Chem.* **2017**, *15*, 144-152 (NSERC).
82. Robust Synthesis of *F*-BODIPYs. **Beh, M.H.R.**; **Douglas, K.I.B.**; **House, K.T.E.**; **Murphy, A.C.**; **Sinclair, J.S.T.**; Thompson, A. *Org. Biomol. Chem.* **2016**, *14*, 11473-11479 (NSERC).
81. Thionation Reactions of 2-Pyrrole Carboxylates. Groves, B.R.; Smithen, D.A.; Cameron, T.S.; Thompson, A. *RSC Advances* **2016**, *6*, 69691-69697 (NSERC).
80. Eight-Membered Ring-Containing Jadomycins: Implications for Non-enzymatic Natural Products Biosynthesis. Robertson, A.W.; Martinez-Farina, C.F.; **Smithen, D.A.**; Yin, H.; Monroe, S.; Thompson, A. McFarland, S.A.; Syvitski, R.T.; Jakeman, D.L. *J. Am. Chem. Soc.* **2015**, *137*, 3271-3275.
79. Synthesis of prodigiosene-estrogen conjugates: optimization of protecting group strategies and anticancer properties. **Marchal, E.**; **Hawco, C.L.A.**; **Uddin, Md. I.**; Thompson, A. *Can. J. Chem.*, **2015**, *93*, 526-535 (CIHR, NSHRF, BHCRI/TFRI/CCNS/CRTP).
78. Influence of B-ring modifications on proton affinity, transmembrane anion transport and anti-cancer properties of synthetic prodigiosenes. **Marchal, E.**; Rastogi, S.; Thompson, A.; Davis, J.T. *Org. Biomol. Chem.*, **2014**, *12*, 7515-7522 (CIHR, NSHRF, BHCRI/TFRI/CCNS/CRTP).
77. The Use of Tin (IV) Chloride to Selectively Cleave Benzyl Esters over Benzyl Ethers and Benzyl Amines. **Baker, A.E.G.**; Marchal, E.; **Lund, K-I. A.R.**; Thompson, A. *Can. J. Chem.* **2014**, *92*, 1175-1185 (CCNS, Norah Stephen Oncology Scholars Award, BHCRI, Terry Fox Foundation).
76. Antimalarial Activity of Prodigiosenes. Marchal, E.; Smithen, D.A.; Uddin, I. Md.; Robertson, A.W.; Jakeman, D.L.; Mollard, V.; Goodman, C.D.; MacDougall, K.S.; McFarland, S.A.; McFadden, G.I.; Thompson, A. *Org. Biomol. Chem.*, **2014**, *12*, 4132-4142 (AT: BHCRI/TFRI/CCNS/CRTP/CIHR; GIF: National Health and Medical Research Council of Australia and a Discovery Project from the Australian Research Council, Australian Red Cross).
75. Activation and Deprotection of *F*-BODIPYs using Boron Trihalides. **Lundrigan, T.**; Cameron, T.S.; Thompson, A. *Chem. Commun.* **2014**, *50*, 7028-7031 (NSERC and Killam Trusts).
74. Synthesis of Symmetric Meso-H Dipyrin Hydrobromides from 2-Formyl Pyrroles. **Lund, K-I. A.R.**; Thompson, A. *Synlett*, **2014**, *25*, 1142-1144 (NSERC).
73. Microwave-assisted reduction of *F*-BODIPYs and dipyrins to generate dipyrromethanes. **Melanson, J.A.**; **Smithen, D.A.**; Cameron, T.S.; Thompson, A. *Can. J. Chem.* **2014**, *92*, 688-694 (NSERC, Sumner Memorial Fellowship).

72. Antimicrobial activity of non-natural prodigiosenes. **Marchal, E.; Uddin, Md. I.; Smithen, D.A.; Hawco, C.L.A.**; Lanteigne, M.; Overy, D.P.; Kerr, R.G.; Thompson, A. *RSC Adv.* **2013**, *3*, 22967-22971 (BHCRI/TFRF/CCNS/CRTP/CIHR).
71. Synthesis and Biological Evaluation of Prodigiosene Conjugates of Porphyrin, Estrone and 4-Hydroxytamoxifen. **Hawco, C.L.A.; Marchal, E.; Uddin, Md. I.; Baker, A.E.G.**; Corkery, D.P.; Dellaire, G.; Thompson, A. *Bioorg. Med. Chem.* **2013**, *21*, 5995-6002 (NSHRF/BHCRI/TFRI/CCNS/CRTP).
70. Synthetic Prodigiosenes and the Influence of C-ring Substitution on DNA Cleavage, Transmembrane Chloride Transport and Basicity. Rastogi, S.; **Marchal, E.; Uddin, Md. I.; Groves, B.R.**; Colpitts, J.; McFarland, S.A.; Jeffery T. Davis, J.T.; Thompson, A. *Org. Biomol. Chem.*, **2013**, *11*, 3834-3845 (CIHR, NSHRF, BHCRI/TFRI/CCNS/CRTP).
69. Conversion of *F*-BODIPYs to *Cl*-BODIPYs: Enhancing the Reactivity of *F*-BODIPYs. **Lundrigan, T.**; Thompson, A. *J. Org. Chem.* **2013**, *78*, 757-761 (NSERC and Killam Trusts).
68. Synthesis and Characterisation of the Unsubstituted Dipyrrin and 4,4-Dichloro-4-bora-3a,4a-diazas-indacene: Improved Synthesis and Functionalization of the Simplest BODIPY Framework. **Groves, B.R.; Crawford, S.M.; Lundrigan, T.**; Matta, C.F. Sowlati-Hashjin S.; Thompson, A. *Chem. Commun.* **2013**, *49*, 816-818 (NSERC).
67. Investigations Regarding the Utility of Prodigiosenes to Treat Leukemia. **Smithen, D.A.**; Forrester, A.M.; Corkery, D.P.; Dellaire, G.; Colpitts, J.; McFarland, S.A.; Berman, J.N.; Thompson, A. *Org. Biomol. Chem.* **2013**, *1*, 62-68 plus cover art; chosen by the Royal Society of Chemistry for inclusion in weekly press pack – “Scientists in Canada have reported the anti-leukaemia activity of four new prodigiosin analogues in vitro in a cancer cell line and in vivo in a zebrafish model. Prodigiosin is the parent member of a family of tripyrrolic natural products isolated from bacteria <http://xlink.rsc.org/?doi=10.1039/c2ob26535d>” (CIHR, NSHRF).
66. Synthesis of Heteroleptic Pyrrolide/Bipyridyl Complexes of Ruthenium(II). **Lundrigan, T.; Jackson, C.L.M.; Uddin, Md. I.; Tucker, L.A.; Al-Sheikh Ali, A.**; Linden, A.; Cameron T.S.; Thompson, A. *Can. J. Chem.*, **2012**, *90*, 693-700 (NSERC).
65. An Improved Method for the Synthesis of *F*-BODIPYs from Dipyrrins and Bis(dipyrrin)s. **Lundrigan, T.; Baker, A.E.G.; Longobardi, L.E.; Wood, T.E.; Smithen, D.A.; Crawford, S.M.**; Cameron, T.S.; Thompson, A. *Org. Lett.* **2012**, *14*, 2158-2161 (NSERC).
64. Use of *F*-BODIPYs as a Protection Strategy for Dipyrrins: Optimization of BF₂ Removal. **Smithen, D.A.; Baker, A.E.G.; Offman, M.; Crawford, S.M.**; Cameron, T.S.; Thompson, A. *J. Org. Chem.* **2012**, *77*, 3439-3453 (NSERC).
63. *Cl*-BODIPYs: facile *B*-substitution. **Lundrigan, T.; Crawford, S.M.**; Cameron, T.S.; Thompson, A. *Chem. Commun.* **2012**, *48*, 1003-1005 (NSERC).
62. One-Pot Synthesis Asymmetric Annulated Bis(pyrrole)s. **Smithen, D.A.**; Cameron, T.S.; Thompson, A. *Org. Lett.*, **2011**, *13*, 5846-5849 (NSERC).
61. Synthesis and characterization of fluorescent pyrrolyldipyrrinato Sn(IV) Complexes. **Crawford, S.M.; Al-Sheikh Ali, A.**; Cameron, T.S.; Thompson, A. *Inorg. Chem.* **2011**, *50*, 8207-8213 (CIHR).

60. Investigations into the Nucleophilic *meso*-Substitution of *F*-BODIPYs and Improvements to the Synthesis of 4,4-Difluoro-4-bora-3a,4a-diaza-*s*-indacene. **Crawford, S.M.**; Thompson, A. *Heterocycles*, **2011**, 83, 311-322 (NSERC).
59. Improved Synthetic Route to C-Ring Ester-Functionalized Prodigiosenes. **Uddin, Md. I.**; **Thirumalairajan, S.**; **Crawford, S.M.**; Cameron, T. S.; Thompson, A. *Synlett*, **2010**, 2561-2564 (CIHR).
58. Synthesis of Natural Products Containing the Pyrrolic Ring. Young, I.S.; Thornton, P.D.; Thompson, A. *Nat. Prod. Rep.* **2010**, 27, 1801-1839 invited review.
57. Conversion of 4,4-Difluoro-4-bora-3a,4a-diaza-*s*-indacenes (*F*-BODIPYs) to Dipyrrins using a Microwave-Promoted Deprotection Strategy. **Crawford, S.M.**; Thompson, A. *Org. Lett.* **2010**, 12, 1424-1427 (NSERC) – highlighted by the Editorial Board of SYNFACTS for important insights.
56. Chiral Molecules Containing the Pyrrole Framework. **Thirumalairajan, S.**; **Pearce, B.M.**; Thompson, A. *Chem. Commun.* **2010**, 46, 1797-1812 invited review (NSERC) – amongst the top ten accessed articles from the online version of Chemical Communications in March 2010.
54. The First Series of Alkali Dipyrrinato Complexes. **Al-Sheikh Ali, A.**; **Cipot-Wechsler, J.**; **Crawford, S.M.**; **Selim, O.**; **Stoddard, R.L.**; Cameron, T.S.; Thompson, A. *Can. J. Chem.* **2010**, 88, 725-735 special issue to honour Dr. R.J. Boyd (NSERC).
53. Perfluoroaryl-Substituted Boron Dipyrrinato Complexes. Bonnier, C.; Piers, W.E.; **Al-Sheikh Ali, A.**; Thompson, A.; Parvez, M. *Organometallics* **2009**, 28, 4845-4851 (NSERC).
52. Amido-Functionalised Prodigiosenes: Synthesis and Anticancer Properties. **Sáez Díaz, R.I.**; **Bennett, S.M.**; Thompson, A. *ChemMedChem*. **2009**, 4, 742-745 (CBCF–Atlantic, CIHR).
51. Formation of Vinylic Dipyrrroles by the Deprotonation of *meso*-Alkyl and *meso*-Benzyl Dipyrrin HCl Salts. **Al-Sheikh Ali, A.**; **Cipot-Wechsler, J.**; Cameron, T.S.; Thompson, A. *J. Org. Chem.* **2009**, 74, 2866-2869 (NSERC).
50. Preparation of Sulfenyl Pyrroles. **Gillis, H.M.**; **Greene, L.**; Thompson, A. *Synlett* **2009**, 112-116 (NSERC, AstraZeneca).
49. Pyrroles, Dipyrrins and Prodigiosenes: One, Two and Three. **Bennett, S.M.**; **Gillis, H.M.**; **Wood, T.E.**; Thompson, A. *J. Porphyrins Phthalocyanines* **2008**, 12, 918-931 invited review (NSERC).
48. Pyrroles as Antioxidants: Solvent Effects and the Nature of the Attacking Radical on Antioxidant Activities and Mechanisms of Pyrroles, Dipyrrinones and Bile Pigments. MacLean, P.D.; **Chapman, E.E.**; Dobrowolski, S.; Thompson, A.; Barclay, L.R.C. *J. Org. Chem.* **2008**, 73, 6623-6635 (NSERC).
47. Synthesis of Dipyrrins Bearing Chirality Adjacent to the Conjugated Skeleton: Electron-poor Pyrroles Exhibit Dramatically Reduced Nucleophilicity. **Beshara, C.S.**; **Pearce, B.M.**; Thompson, A. *Can. J. Chem.* **2008**, 86, 951-957 (NSERC).
46. Asymmetric Oxidation of 2-(Arylsulfenyl)pyrroles. Thompson, A.; **Garabatos-Perera, J.R.**; **Gillis, H.M.** *Can. J. Chem.* **2008**, 86, 676-681 (AstraZeneca, NSERC).
45. Synthesis and Reactivity of a Dipyrrinato Lithium Complex. **Cipot-Wechsler, J.**; **Al-Sheikh Ali, A.**; **Chapman, E.E.**; Cameron, T.S. Thompson, A. *Inorg. Chem.* **2007**, 46, 10947-10949 (NSERC).

44. Comparison of Benzene, Nitro-benzene and Dinitrobenzene 2-Arylsulfonylpyrroles. **Garabatos-Perera, J.R.**; **Rotstein, B.H.**; Thompson, A. *J. Org. Chem.* **2007**, *72*, 7382-7385 (NSERC, AstraZeneca).
42. Asymmetric Synthesis of Mono- and Dinuclear Bis(Dipyrrinato) Complexes. **Al-Sheikh Ali, A.**; Benson, R.E.; Blumentritt, S.; Cameron, T.S.; Linden, A.; Wolstenholme, D.; Thompson, A. *J. Org. Chem.* **2007**, *72*, 4947-4952 (NSERC, Dalhousie).
41. Chloride Anion Transport and Copper-mediated DNA Cleavage by C-ring Functionalized Prodigiosenes. **Sáez Díaz, R.I.**; **Regourd, J.**; Santacroce, P.V.; Davis, J.T.; Jakeman, D.L.; Thompson, A. *Chem. Commun.* **2007**, 2701-2703 (The Canadian Breast Cancer Foundation – Atlantic Chapter, Canadian Institutes of Health Research, Nova Scotia Health Research Foundation and the United States Department of Energy (JTD)).
40. Advances in the Chemistry of Dipyrrins and their Complexes. **Wood, T.E.**; Thompson, A. *Chem. Rev.* **2007**, *107*, 1831-1861 (NSERC).
39. Synthesis and Anti-cancer Activity of C-ring Functionalized Prodigiosin Analogues. **Regourd, J.**; **Al-Sheikh Ali, A.**; Thompson, A. *J. Med. Chem.* **2007**, *50*, 1528-1536 (CBCF–Atlantic, CIHR, NSHRF, DCRP).
38. Pyrrole Protection. Jolicoeur, B.; **Chapman, E.E.**; Thompson, A.; Lubell, W.D. *Tetrahedron* **2006**, *62*, 11531-11563 (NSERC) – *awarded one of top-50 most downloaded Tetrahedron articles, 2006.*
37. Microwave-accelerated Synthesis of Benzyl 3,5-Dimethyl-pyrrole-2-carboxylate. **Regourd, J.**; **Comeau, I.M.**; **Beshara, C.S.**; Thompson, A. *J. Heterocycl. Chem.* **2006**, *43*, 1709-1714 (NSERC, Sumner Foundation, Canadian Breast Cancer Foundation – Atlantic Chapter).
36. ¹⁵N NMR Chemical Shifts for the Identification of Dipyrrolic Structures. **Wood, T.E.**; Berno, B.; **Beshara, C.S.**; Thompson, A. *J. Org. Chem.* **2006**, *71*, 2964-2971 (NSERC, Killam, Sumner).
35. Polypyrrroles as Antioxidants: Kinetic Studies on Reactions of Bilirubin and Biliverdin Dimethyl Esters and Synthetic Model Compounds with Peroxyl Radicals in Solution: Chemical Calculations on Selected Typical Structures. Chepelev, L.L.; **Beshara, C.S.**; MacLean, P.D.; Hatfield, G.L.; Rand, A.A.; Thompson, A.; Wright, J.S.; Barclay, L.R.C. *J. Org. Chem.* **2006**, *71*, 22-30 (NSERC).
34. Heteroleptic Zinc Dipyrrromethene Complexes. **Amiri, A.A.**; **Comeau, I.M.**; Thompson, A. *J. Het. Chem.* **2006**, *43*, 431-435 (NSERC, Dalhousie).
32. Phosphoric Acid-Promoted Synthesis of 4-Acylpyrroles and Dipyrrylketones from Mixed Anhydrides. **Beshara, C.S.**; Thompson, A. *J. Org. Chem.* **2005**, *70*, 10607-10610 (Dalhousie University, Sumner Foundation, NSERC).
31. Dinuclear Zinc(II) Double-Helicates of Homochirally-Substituted Bis(Dipyrrromethene)s. **Wood, T.E.**; **Ross, A.C.**; **Dalgleish, N.D.**; **Power, E.D.**; Thompson, A.; Chen, X.; Okamoto, Y. *J. Org. Chem.* **2005**, *70*, 9967-9974 (NSERC, Killam Trust).
30. Highly Diastereoselective Templated Complexation of Dipyrrromethenes. **Al-Sheikh Ali, A.**; **Cameron, K.S.**; Cameron, T.S.; Robertson, K.N.; Thompson, A. *Org. Lett.* **2005**, *7*, 4773-4775 (NSERC, Dalhousie University).

29. Sulfur-based Protecting Groups for Pyrroles and the Facile Deprotection of 2-(2,4-Dinitrobenzene)sulfinyl and Sulfonyl Pyrroles. Thompson, A.; **Butler, R.J.**; **Grundy, M.N.**; **Laltoo, A.B.E.**; Robertson, K.N.; Cameron, T.S. *J. Org. Chem.* **2005**, *70*, 3753-3756 (NSERC, Dalhousie University).
28. Stereochemically Stable Double-Helicate Dinuclear Complexes of Bis(dipyrrromethene)s: a Chiroptical Study. **Wood, T.E.**; **Dalgleish, N.D.**; **Power, E.D.**; Thompson, A.; Chen, X.; Okamoto, Y. *J. Am. Chem. Soc.* **2005**, *127*, 5740-5741 (NSERC, Killam Trust, Dalhousie University).
27. The Effect of Electron-withdrawing Groups on ^{15}N and ^{13}C Chemical Shifts: a Density Functional Study on a Series of Pyrroles. Mothana, B.; Ban, F.; Boyd, R.J.; Thompson, A.; Hadden, C.E. *Mol. Phys.* **2005**, *103*, 1113-1129 (NSERC, Dalhousie University).
26. Isolation and Characterization of a Novel Tetrahydro-[2,2']bipyrrrolyl Dimer as an Impurity from a Knorr Reaction. Thompson, A.; **Alattar, Y.**; **Beshara, C.S.**; **Burley, R.K.**; Cameron, T.S.; Robertson, K.N. *J. Het. Chem.* **2004**, *41*, 777-781 (NSERC and Dalhousie University).
25. Phototransposition Reactions of Arylboronate Esters in Acetonitrile and 2,2,2-Trifluoroethanol. **Cameron, K.S.**; Pincock, A.L.; Pincock, J.A.; Thompson, A. *J. Org. Chem.* **2004**, *69*, 4954-4960 (NSERC and Dalhousie University).
24. Recent Developments in the Aerobic Oxidation of Alcohols. Zhan, B.-Z.; Thompson, A. *Tetrahedron* **2004**, *60*, 2917-2935 (Dalhousie University) – Tetrahedron Most Cited Paper 2004-2007 Award.
20. Synthesis, Structure and Properties of 1,19-Disubstituted Tetrahydrocorrins Cobalt Complexes. Liu, C.-J.; Thompson, A.; Dolphin, D. *J. Inorg. Biochem.* **2001**, *83*, 133-138.
19. Scope & Limitations in Sulfur Ylide Mediated Catalytic Asymmetric Aziridination of Imines: Use of Phenylidiazomethane, Diazoesters and Diazoacetamides. Aggarwal, V.K.; Ferrara, M.; O'Brien, C.J.; Thompson, A.; Jones, R.V.H.; Fieldhouse, R. *J. Chem. Soc., Perkin Trans I.* **2001**, 1635-1643.
18. X-Ray Crystallographic and ^{13}C NMR Investigations of the Effects of Electron-Withdrawing Groups on a Series of Pyrroles. Thompson, A.; Gao, S.; Modzelewska, G.; Hughes, D.S.; Patrick, B.; Dolphin, D. *Org. Lett.* **2000**, *2*, 3587-3590.
17. Helical Dinuclear Dipyrrromethene Complexes Formed by Self-Assembly. Thompson, A.; Dolphin, D. *J. Org. Chem.* **2000**, *65*, 7870-7877.
16. Nuclear Magnetic Resonance Studies of Helical Dipyrrromethene-Zinc Complexes. Thompson, A.; Dolphin, D. *Org. Lett.* **2000**, *2*, 1315-1318.
12. Self-Assembly of Novel Trimers Using Dipyrrromethene Ligands. Thompson, A.; Rettig, S.J.; Dolphin, D. *Chem. Commun.* **1999**, 631-632.
11. Intramolecular Nucleophilic Displacement of Halogen by Phosphinate and Thiophosphinate Anions: Relative Rates of Formation of Five- and Six-Membered Rings. Chaudry, A.; Harger, M.J.P.; Shuff, P.; Thompson, A. *J. Chem. Soc., Perkin Trans I.* **1999**, 1347-1352.
9. The Use of Dipyrrromethene Ligands in Supramolecular Chemistry. Zhang, Y.J.; Thompson, A.; Rettig, S.J.; Dolphin, D. *J. Am. Chem. Soc.* **1998**, *120*, 13537-13538.

7. Catalytic and Asymmetric Aziridination Using Sulfur Ylides. Aggarwal, V.K.; Thompson, A.; Jones, R.V.H.; Standen, M.C.H. *Phosphorus, Sulfur and Silicon* **1997**, *120*, 361-362.
6. Development of a Novel Catalytic and Asymmetric Process for Aziridination Mediated by Sulfur Ylides. Aggarwal, V.K.; Thompson, A.; Jones, R.V.H.; Standen, M.C.H. *J. Org. Chem.* **1996**, *61*, 8368-8369.
5. Direct Asymmetric Epoxidation of Aldehydes Using Catalytic Amounts of Enantiomerically Pure Sulfides. Aggarwal, V.K.; Ford, J.G.; Thompson, A.; Jones, R.V.H.; Standen, M.C.H. *J. Am. Chem. Soc.* **1996**, *118*, 7004-7005.
4. Use of Chiral Sulfides in Catalytic Asymmetric Epoxidation. Aggarwal, V.K.; Thompson, A.; Jones, R.V.H.; Standen, M.C.H. *Tetrahedron Asymm.* **1995**, *6*, 2557-2564.
3. Intramolecular Nucleophilic Substitution by Phosphinate and Thiophosphinate Anions: Relative Rates of Formation of Five- and Six-Membered Rings. Chaudry, A.; Harger, M.J.P.; Shuff, P.; Thompson, A. *Chem. Commun.* **1995**, 83-84.
2. Synthesis of Sulfonium Salts by Sulfide Alkylation: an Alternative Approach. Aggarwal, V.K.; Thompson, A.; Jones, R.V.H. *Tetrahedron Lett.* **1994**, *46*, 8659-8660.

Chemtracts reviews

43. Microwave-Enhanced Synthesis of New (-)-Steganacin and (-)-Steganone Aza Analogues. Chapman, E.E.; Thompson, A. *Chemtracts-Organic Chemistry* **2007**, *20*, 32-35 (Dalhousie University).
33. A Reassessment of the Transition-Metal Free Suzuki-Type Coupling Methodology. Tran, T.; Thompson, A. *Chemtracts-Organic Chemistry* **2005**, *18*, 246-250 (Dalhousie University).
23. Asymmetric Pauson-Khand Reactions Using Camphor-Derived Chelating Thiols as Chiral Controllers. Halldórsson, H.; Thompson, A. *Chemtracts-Organic Chemistry* **2002**, *15*, 766-770.
22. A Simple Resolution Procedure Using the Staudinger Reaction for the Preparation of P-Stereogenic Phosphine Oxides. Conroy, K.; Thompson, A. *Chemtracts-Organic Chemistry* **2002**, *15*, 514-518.
21. Highly Efficient Catalytic Synthesis of α -Amino Acids under Phase-Transfer Conditions with a Novel Catalyst/Substrate Pair. Thompson, A. *Chemtracts-Organic Chemistry* **2001**, *14*, 650-653.
15. Chirality Control of a Cu(I)•(Phenanthroline)₂ Complex by a Sugar-boronic Acid Interaction. A Preliminary Step Towards Total Chain Helicity Control by a Chain-end Sugar Binding. Thompson, A.; Dolphin, D. *Chemtracts-Organic Chemistry* **2000**, *13*, 470-474.
13. Synthesis and Properties of Ring-Deactivated Deuterated (Hydroxymethyl)pyrroles. Thompson, A.; Dolphin, D. *Chemtracts-Organic Chemistry* **1999**, *12*, 534-538.

Refereed conference proceeding

14. Sulfur Ylide-Mediated Catalytic Asymmetric Epoxidation and Aziridination. Aggarwal, V.K.; Ford, J.G.; Thompson, A.; Studley, J.; Jones, R.V.H.; Fieldhouse, R. *Current Trends in Organic Synthesis, Proceedings of the 12th International Conference on Organic Synthesis*, **1999**, 191-197.
8. Catalytic and Asymmetric Aziridination Using Sulfur Ylides. Aggarwal V.K.; Thompson, A.; Jones, R.V.H.; Standen, M.C.H. *Phosphorus, Sulfur and Silicon* **1997**, *120*, 361-362.

1. A Novel Catalytic Cycle for the Synthesis of Epoxides using Sulfur Ylides, and Application to the Synthesis of Cyclopropanes and Aziridines. Aggarwal, V.K.; Abdel-Rahman, H.; Thompson, A.; Mattison, B.; Jones, R.V.H. *Phosphorus, Sulfur and Silicon* **1994**, 95-96, 283-292.

Book chapters

55. Dipyrrins and Dipyrrinato Complexes, *Handbook of Porphyrin Science*, Kadish, K.M.; Smith, K.; Guilard, R. (Eds.); **Wood, T.E.; Uddin, I. Md.**; Thompson, A. **2010** Vol. 8, Ch. 39, pp 235-284.
10. Direct Asymmetric Epoxidation of Aldehydes using Catalytic Amounts of Enantiomerically Pure Sulfides. Aggarwal, V.K.; Ford, J.G.; Thompson, A.; Jones, R.V.H.; Standen, M.C.H. in "Selective Reactions of Metal-Activated Molecules" Werner, H.; Schreier, P. (Eds.), Vieweg, Gottingen, 1998, 13-24.