

James Dabrowiak
Complete List of Publications

1. "Utilization of Steric Compression to Assign the Absolute Configuration and Ring Conformation of Some Transition Metal Complexes", J.C. Dabrowiak and D.W. Cooke, *J. Am. Chem. Soc.*, **92**, 1097-9 (1970).
2. "Metal Complexes of 1-Substituted 3-Hydroxyureas", R.E. Harmon, J.C. Dabrowiak, D.J. Brown, S.K. Gupta, M. Herbert, and D. Chitharanjan, *J. Med. Chem.*, **13**, 577-9 (1970).
3. "Gas-Liquid Chromatography of the Optical Isomers of Threonine and Allotheornine", J.C. Dabrowiak and D. W. Cooke, *Anal. Chem.*, **43**, 791-3 (1971).
4. "Synthesis and Electrochemical Behavior of a New Series of Macrocyclic Complexes of Iron Produced by Oxidative Dehydrogenation and Tautomerization", J.C. Dabrowiak, F.V. Lovecchio, V.L. Goedken and D.H. Busch, *J. Am. Chem. Soc.*, **94**, 5502-4 (1972).
5. "High- and Low-Spin Six Coordinate Complexes of Iron (II) with a Saturated Tetradentate Macrocyclic Ligand", J.C. Dabrowiak, P.H. Merrell and D.H. Busch, *Inorg. Chem.*, **11**, 1979-88 (1972).
6. "Transmission of Electronic Effects in Cobalt (III) Complexes of Macrocyclic Ligands: ¹H Nuclear Magnetic Resonance Study", E.S. Gore, J.C. Dabrowiak, and D.H. Busch, *J. Chem. Soc. Chem. Commun.*, 923-4 (1972).
7. "The Crystal Structure and Absolute Configuration of Linear Tetradentate Cobalt (III) Complex: (+)470-β-cis-Dinitro (5 methyl-1,4,8,11-tetra-azaundecane) cobalt (III) Bromide", P.W.R. Corfield, J.C. Dabrowiak and E.S. Gore, *Inorg. Chem.*, **12**, 1734 (1973).
8. "Mossbauer Spectra of Iron Complexes with Macrocyclic Ligands," J.C. Dabrowiak, P.H. Merrell, J.A. Stone and D.H. Busch *J. Am. Chem. Soc.*, **95**, 6613-22 (1973).
9. "The Reaction of Acetaldehyde with Some Optically Active Cobalt (III) Complexes Containing Coordinated Glycine", J.C. Dabrowiak and D. W. Cooke, *Inorg. Chem.*, **14**, 1305-9 (1975).
10. "Iron Complexes with Macrocyclic Ligands Containing the α-Diamine Functional Unit and Its Position-Specific Formation Under the Influence of the Iron Atom", J.C. Dabrowiak and D.H. Busch, *Inorg. Chem.*, **14**, 1881-8 (1975).
11. "Molybdenum and Tungsten Carbonyl Complexes with a 14-Membered Macrocyclic Ligand, Dibenzo [bi] [1.4.8.11]tetra-azacyclotetradecine", L.G. Bell and J.C. Dabrowiak, *J. Chem. Soc. Chem. Commun.*, 512-13 (1975).
12. "The Synthesis and Characterization of Manganese Complexes Containing a Synthetic Macrocyclic Ligand", P.S. Bryan and J.C. Dabrowiak, *Inorg. Chem.*, **14**, 296-9 (1975).

13. "Transition Metal Complexes Containing an Optically Active Macrocyclic Ligand. Manganese (III), Nickel (II) and Copper (II)", P.S. Bryan and J.C. Dabrowiak, *Inorg. Chem.*, **14**, 299-302 (1975).
14. "Manganese and Zinc Complexes Incorporating an Unsaturated Cyclic Schiff Base Ligand", D.R. Neves and J.C. Dabrowiak, *Inorg. Chem.*, **15**, 129-34 (1976).
15. "Synthesis and Characterization of a *Bis* Azo-Macrocyclic Ligand and its Nickel (II) Complex", D.P. Fisher, F.C. McElroy, D.J. Macero and J. C. Dabrowiak *Inorg. Nucl. Chem. Letters*, **12**, 435 (1976).
16. "Synthesis and Characterization of an Optically Active Macrocyclic Cobalt (III) Complex", J.C. Dabrowiak and P.S. Bryan, *Inorg. Nucl. Chem. Letters*, **12**, 485-9 (1976).
17. "Electrochemical Generation of A Dimeric Macrocyclic Complex," F.C. McElroy and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **98**, 7112-13 (1976).
18. "Resonance Raman Studies of Macrocyclic Complexes. I. Structural and Electronic Effect in Synthetic Metal (II) Porphyrin Analogues", W.H. Woodruff, R. W. Pastor and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **98**, 7999-8006 (1976).
19. "Resonance Raman Studies of Macrocyclic Complexes. II. Anti-Resonance and Selective Intensity Enhancement in Synthetic Metal (II) Porphyrin Analogues", L. Nafie, R. Pastor, J.C. Dabrowiak, and W. Woodruff, *J. Am. Chem. Soc.*, **98**, 8007-14 (1976).
20. "Accessibility of Manganese Oxidation States. Control by Pentaaza Macrocyclic Ligands", J.C. Dabrowiak, L.A. Nafie, P.S. Bryan and A.T. Torkelson, *Inorg. Chem.*, **16**, 540-4 (1977).
21. "The Electrochemical Redox Properties of a Series of Manganese Macrocyclic Complexes", F.C. McElroy, J.C. Dabrowiak and D.J. Macero, *Inorg. Chem.*, **16**, 947-50 (1977).
22. "Macrocyclic Complexes Bearing Photoactive Substituent Groups. I. The Azo Linkage", D.P. Fisher, V. Piermattie and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **99**, 2811 (1977).
23. " A Spectroscopic Investigation of the Metal Binding Site of Bleomycin A₂. The Cu(II) and Zn(II) Derivatives", J.C. Dabrowiak, W. Longo, M. Van Husen, F.T. Greenaway and S. Crooke, *Biochem. Biophys. Acta*, **517**, 517-26 (1978).
24. "The Reactivity of Macrocyclic Ligands. Bromination of a Tetraazaannulene", G.P. Ferrara and J.C. Dabrowiak, *Inorg Nucl. Chem. Lett.* **14**, 31-5 (1978).
25. "EPR Studies of Axial Ligation of a Low-Spin Cobalt (II) Macrocyclic Schiff Base Complex", A. Pezeshk, F.T. Greenaway, J.C. Dabrowiak and G. Vincow, *Inorg. Chem.*, **17**, 1717-25 (1978).
26. "The Transition Metal Binding Site of Bleomycin A₂. A¹³C nmr Study of the Zn (II) and Cu (II) Derivatives", J.C. Dabrowiak, F.T. Greenaway and R. Grulich, *Biochemistry*, **17**, 4090-6 (1978).

27. "The Transition Metal Binding Properties of a 3rd Generation Bleomycin Analogue, Tallysomycin", F.T. Greenaway, J.C. Dabrowiak, M. Van Husen, R. Grulich and S.T. Croke, *Biochem. Biophys. Res. Commun.*, **85**, 1407-14 (1978).
28. "Bleomycin: Chemical, Biochemical and Biological Aspects", J.C. Dabrowiak, F.T. Greenaway and F.S. Santillo in *Bleomycin* S. Hecht, ed. Springer-Verlag, New York, New York, 1979, p.137.
29. "The Redox Properties of Bleomycin and Tallysomycin and a Series of Their Metalloderivatives", J.C. Dabrowiak and F. S. Santillo, *J. Electrochem. Soc.*, **126**, 2091-5 (1979).
30. "Electrochemical Investigation of Some Azomacrocyclic Ligands and Their Nickel (II) Complexes", J.C. Dabrowiak, D.P. Fisher, F.C. McElroy and D.J. Macero, *Inorg. Chem.*, **18**, 2304-7 (1979).
31. "The Iron Complexes of Bleomycin and Tallysomycin", J.C. Dabrowiak, F.T. Greenaway, F.S. Santillo and S.T. Croke, *Biochem. Biophys. Res. Comm.* **91**, 721-9 (1979).
32. "Metal Complexes with Antitumor Antibiotics", J.C. Dabrowiak, in *Metal Ions in Biological Systems*, H. Sigel, ed Marcel Dekker, Inc., Vol. 11, 305-36 (1980).
33. "A ¹³C nmr Study of Tallysomycin and Its Zinc (II) Complex", F.T. Greenaway, J.C. Dabrowiak, R. Grulich and S.T. Croke, *Org. Mag. Res.*, **13**, 270-3 (1980).
34. "Synthesis and Reactivity of a Series of [14]Azannulenes", D.A. Place, G.P. Ferrara, J.J. Harland and J.C. Dabrowiak, *J. Heterocycl. Chem.*, **17**, 439-43 (1980).
35. "The Coordination Chemistry of Bleomycin", J.C. Dabrowiak, *J. Inorg. Biochem.*, **13**, 317-37 (1980).
36. "The Iron Bleomycins", in *Advances in Chemistry Series* A.E. Martel, Ed., American Chemical Society, Washington, D.C., **140**, 237-48 (1980).
37. "The Copper(II) Complexes of the Antiulcer Drug Cimetidine", F.T. Greenaway, L. Brown, J.C. Dabrowiak, M.R. Thompson and V.W. Day, *J. Am. Chem. Soc.*, **102**, 7782 (1980).
38. "Cobalt (III) Complex of Pseudotetrapeptide A of Bleomycin", J.C. Dabrowiak and M. Tsukayama, *J. Am. Chem. Soc.*, **103**, 7543 (1981).
39. "The Transition Metal Binding Site of Bleomycin", M. Tsukayama, C.R. Randall, F.S. Santillo and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **103**, 158-161 (1981).
40. "Bleomycin", J.C. Dabrowiak, in *Advances in Inorganic Biochemistry* G.L. Eichhorn and L.G. Marzilli, Eds. Elsevier Publishing Company, New York, NY, Vol.4, 69-113 (1982).
41. "The Binding of Copper Ions to Daunomycin and Adriamycin", F.T. Greenaway and J.C. Dabrowiak, *J. Inorg. Biochem.*, **16**, 91 (1982).

42. "The Electronic Ground State and Coordination Environment of Fe (II) Ferrous Bleomycin", J.C. Dabrowiak, F.T. Greenaway, and W.M. Reiff, *J. Inorg. Biochem.*, **16**, 161 (1982).
43. "Interaction of Copper(II) Ions with the Daunomycin-Calf Thymus DNA Complex", J.C. Dabrowiak and M. Spinelli, *Biochemistry*, **21**, 5862-70 (1982).
44. "Sequence Specificity of Actinomycin D and Netropsin Binding to pBR322 DNA Analyzed by Protection From DNase I", M.J. Lane, J.N. Vournakis and J. C. Dabrowiak, *Proc. Natl. Acad. Sci. USA*, **80**, 3260-4 (1983).
45. "Raman Spectral Studies of Bleomycin A₂ and Related Structural Fragments: A Probe for Bleomycin-DNA Interactions", T.B. Freedman, F.S. Santillo, C.G. Zimba, L.A. Nafie and J.C. Dabrowiak, *J. Raman Spec.*, **14**, 266-70 (1983).
46. "Sequence Specificity of Drug-DNA Interactions. A. Review", J.C. Dabrowiak, *Life Sci.*, **32**, 2915-31 (1983).
47. "Absorption and Circular Dichroism Studies of a Gold(I)-DNA Complex", C.E. Blank and J.C. Dabrowiak, *J. Inorg. Biochem.*, **21**, 21 (1984).
48. "Synthesis Characterization and Properties of a Group of Platinum (IV) Complexes", R.J. Brandon and J.C. Dabrowiak, *J. Med. Chem.*, **27**, 861-5 (1984).
49. "DNA Breakage by a Perhydrate Complex of *cis*-dichloro-*cis*-diammine-*trans*-dihydroxyplatinum(IV) (*cis,cis,trans*-Pt (IV) Cl₂ (NH₃)₂(OH)₂)", J.F. Vollano, E.E. Blatter, and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **106**, 2732-3 (1984).
50. "Interaction of the Antitumor Agents *cis cis trans*-Pt(IV)(NH₃)₂Cl₂(OH)₂ and *cis,cis,trans*-Pt(IV)[(CH₃)₂CHNH₂]₂Cl₂(OH)₂ and their Reduction Products with PM2-DNA", E.E. Blatter, J.F. Vollano, B.S. Krishnan and J.C. Dabrowiak, *Biochemistry*, **23**, 4817-20 (1984).
51. "Platinum(IV) Antitumor Agents", E.E. Blatter, J.F. Vollano, B.S. Krishnan and J.C. Dabrowiak, *Prog. Clin. Biol. Res.*, **172**, 185-91 (1985).
52. "Footprinting Analysis as a Means of Quantitating Antitumor Drug-DNA Interactions", M.J. Lane, J.N. Vournakis and J.C. Dabrowiak, *Prog. Clin. Biol. Res.*, **172**, 145-53 (1985).
53. "Theoretical Analysis of the Footprinting Experiment", J. Goodisman, and J.C. Dabrowiak, *J. Biomol. Struct. and Dynamics*, **2**, 967-79 (1985).
54. "Computer-Assisted Microdensitometric Analysis of Footprinting Autoradiographic Data", J.C. Dabrowiak, A. Skorobogaty, N. Rich, C.P.H. Vary and J.N. Vournakis, *Nucleic Acids Res.*, **14**, 489-99 (1986).
55. "The Synthesis and Characterization of 1,1-*bis*(aminomethyl)cyclohexaneplatinum(II) Compounds and the Crystal Structure Determination of 1,1-*bis*(aminomethyl)cyclohexaneaquosulphatoplatinum(II) Monohydrate", H.A. Meinema, F. Verbeek, J.W. Marsman, E.J. Bulten, J.C. Dabrowiak, M.S. Krishnan and A.L. Spek, *Inorg. Chem. Acta*, **114**, 127-35 (1986).

56. "Synthesis and Structure of Dinuclear Complexes of Platinum(IV) Having *cis*-Diamine Geometry", S. Al-Baker, J.F. Vollano and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **108**, 5643-4 (1986).
57. "Deoxyribonucleic Acid Cleavage Specificity of a Series of Acridine-and Acodazole-Iron Porphyrins as Functional Bleomycin Models", J.W. Lown, S.M. Sondhi, C.-W. Ong, A. Skorobogaty, H. Kishikawa and J.C. Dabrowiak, *Biochemistry*, **25**, 5111-17 (1986).
58. "Molecular Recognition Between Oligopeptides and Nucleic Acids: Novel Imidazole-Containing Oligopeptides Related to Netropsin which Exhibit Altered DNA Sequence Specificity", J.W. Lown, K. Krowicki, V.G. Bhat, A. Skorobogaty, B. Ward and J.C. Dabrowiak, *Biochemistry*, **25**, 7408-16 (1986).
59. "DNA Binding Specificity of a Series of Cationic Metalloporphyrin Complexes", B. Ward, A. Skorobogaty and J.C. Dabrowiak, *Biochemistry*, **25**, 7827-33 (1986).
60. "DNA Cleavage Specificity of a Group of Cationic Metalloporphyrins", B. Ward, A. Skorobogaty and J.C. Dabrowiak, *Biochemistry*, **25**, 6875-83 (1986).
61. "Cationic Porphyrins as Probes of DNA Structure", S.D. Bromley, B. Ward, and J.C. Dabrowiak, *Nucleic Acids Res.*, **14**, 9133-48 (1986).
62. "Comparative Antitumor Studies on Platinum(II) and Platinum(IV) Complexes Containing 1,2-Diaminocyclohexane", J.F. Vollano, S. Al-Baker, J.E. Schurig and J.C. Dabrowiak, *J. Med. Chem.*, **30**, 716-19 (1987).
63. "Quantitative Footprinting Analysis of the Netropsin DNA Interaction", B. Ward, R. Rehfuss and J.C. Dabrowiak, *J. Biomol. Struct. Dynamics* **4**, 685-95 (1987).
64. "Oxidation of a Dinuclear Platinum(II) Complex with Hydrogen Peroxide", S. Al-Baker and J.C. Dabrowiak, *Inorg. Chem.*, **26**, 613-17 (1987).
65. "DNA Binding Specificity of the Gold(III) Complex, $(C_2H_5)_3 PAuBr_3$ ", B. Ward and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **109**, 3810-11 (1987).
66. "Platinum Antitumor Agents", J.C. Dabrowiak and W.T. Bradner, *Prog. Med. Chem.*, **24**, 129-58 (1987).
67. "Molecular Recognition Between Oligopeptides and Nucleic Acids. Monocationic Imidazole-Lexitropsins That Display Enhanced GC Sequence Dependent DNA Binding", K. Kissinger, K. Krowicki, J.C. Dabrowiak and J.W. Lown, *Biochemistry*, **26**, 5590-5 (1987)
68. "Molecular Recognition Between Oligopeptides and Nucleic Acids-Rational Design of Sequence Specific DNA Binding Agents", K. Krowicki, M. Lee, J.A. Hartley, B. Ward, J.C. Dabrowiak and J.W. Lown, in *Structure and Expression Vol. 2, DNA and Its Drug Complexes*, R.H. Sarma, and M.H. Sarma eds., Adenine Press, 251.

69. "Determination of Netropsin-DNA Binding Constants from Footprinting Data", B. Ward, R. Rehfuss, J. Goodisman and J.C. Dabrowiak, *Biochemistry*, **27**, 1198-205 (1988).
70. "Interaction of Cationic Manganese Porphyrins with DNA. A Binding Model", G. Raner, B. Ward and J.C. Dabrowiak, *J. Coord. Chem.*, **19**, 17-23 (1988).
71. "Rate Enhancements in the DNase I Footprinting Experiment", B. Ward, R. Rehfuss, J. Goodisman and J.C. Dabrowiak, *Nucleic Acids Res.*, **16**, 1359-69 (1988).
72. "Esperamicins, A Class of Potent Antitumor Antibiotics: Mechanism of Action", B.H. Long, J. Golik, J.C. Dabrowiak, S. Musial, K.W. Brookshire and T.W. Doyle, *Proc. Natl. Acad. Sci. USA*, **86**, 2-6 (1989).
73. "Porphyrins as Probes of DNA structure and Drug-DNA Interactions", G. Raner, J. Goodisman, and J. C. Dabrowiak, in *Metal-DNA Chemistry*, American Chemical Society Symposium Series **402**, 74-89 (1989).
74. "Molecular Recognition Between Oligopeptides and Nucleic Acids: Sequence Specific Binding of the Naturally Occurring Antibiotic (4S)-(+)-Anthelvincin A and its (4R)-(-) Enantiomer to Deoxyribonucleic Acids Deduced from Proton NMR, Footprinting and Thermodynamic Data", M. Lee, R.G. Shea, J.A. Hartley, K. Kissinger, R.T. Pon, G. Vesnaver, K.J. Breslauer, J.C. Dabrowiak and J.W. Lown, *J. Am. Chem. Soc.*, **111**, 345-54 (1989).
75. "Quantitative Footprinting Analysis Using a DNA-Cleaving Metalloporphyrin Complex", J.C. Dabrowiak, B. Ward and J. Goodisman, *Biochemistry*, **28**, 3314-22 (1989).
76. "Quantitative Footprinting Analysis of Drug-DNA Interactions: Fe (III) Methidium-propyl-EDTA as a Probe", J. Goodisman and J.C. Dabrowiak, *Electrophoresis*, **10**, 404-12 (1989).
77. "Molecular Recognition Between Oligopeptides and Nucleic Acids. Sequence Specific Binding of (4S)-(+)- and (4R)-(-)-dihydrokikumycin B to DNA Deduced from Proton NMR, Footprinting Studies and Thermodynamic Data", M. Lee, R. Shea, J.A. Hartley, K. Kissinger, G. Vesnaver, K.J. Breslauer, R.T. Pon, J.C. Dabrowiak and J.W. Lown, *J. Mol. Recog.*, **2**, 6-17 (1989).
78. "Quantitative Footprinting Analysis of Drug-DNA Interaction", J.C. Dabrowiak and J. Goodisman, *Chemistry and Physics of DNA-Ligand Interactions*, N.R. Kallenbach, Ed. Adenine Press, 143-73 (1989).
79. "Quantitative Footprinting Analysis. Binding to a Single Site", J. Goodisman, R. Rehfuss and J.C. Dabrowiak, *Biochemistry*, **29**, 777-81 (1990).
80. "Molecular Recognition Between Oligopeptide and Nucleic Acids: The DNA Binding Specificity for a Series of *bis* Netropsin Analogues Deduced from Footprinting Analysis", K. Kissinger, J.C. Dabrowiak and J.W. Lown, *Chem. Res. Toxicology*, **3**, 162-8 (1990).
81. "Quantitative Footprinting Analysis of the Actinomycin D-DNA Interaction", R. Rehfuss, B. Ward, J. Goodisman and J.C. Dabrowiak, in *Molecular Basis of Specificity in Nucleic Acid-Drug Interactions*, B. Pullman and J. Jortner eds., Kluwer Acad. Pub., Dordrecht, Netherlands, 157-66 (1990).

82. "Thermodynamic Data from Drug-DNA Footprinting Experiments", J.C. Dabrowiak, J. Goodisman and K. Kissinger, *Biochemistry*, **29**, 6139-45 (1990).
83. "Antitumor and DNA Binding Properties of a Group of Oligomeric Complexes of Platinum(II) and Platinum(IV)", A. Peritz, S. Al-Baker, J.F. Vollano, and J.C. Dabrowiak, *J. Med. Chem.*, **33**, 2184-8 (1990).
84. "Coupled Kinetic Analysis of Cleavage of DNA by Esperamicin and Calecheamicin", H. Kishikawa, Y.-P. Jiang, J. Goodisman and J.C. Dabrowiak, *J. Am. Chem. Soc.*, **113**, 5434-40 (1991).
85. "Sequence Specificity of Drug-DNA Interactions", J. D. Dabrowiak, A. Stankus and J. Goodisman, in *Nucleic Acid Targeted Drug Design* C. Probst and T. Perun Eds. Marcel Dekker, Inc. 93-149 (1992).
86. "Quantitative Aspects of DNase I Footprinting", J. Goodisman, and J.C. Dabrowiak, in *Advances in DNA Sequence Specific Agents*, L.H. Hurley, Ed., JAI Press, Vol 1, 25-49 (1992).
87. "Actinomycin D: Binding and Enhancements in DNase I Footprinting Experiments", J. Goodisman and J.C. Dabrowiak in *Structure & Function: Volume 2: Proteins* R.H. Sarma and M.H. Sarma Eds. Adenine Press, 81-95 (1992).
88. "Quantitative DNA Footprinting", J.C. Dabrowiak, A. Stankus and J. Goodisman in *Advances in Electrophoresis*, A. Chrambach, M.J. Dunn, B.J. Radola, Eds. Vol. 5, VCH Verlagsgesellschaft, 113-36 (1992).
89. "Site-Specific Binding Constants for Actinomycin D on DNA Determined from Footprinting Data", J. Goodisman, R. Rehfuss, B. Ward and J.C. Dabrowiak, *Biochemistry*, **31**, 1046-58 (1992).
90. "Structural Changes and Enhancements in DNase I Footprinting Experiments", J. Goodisman and J.C. Dabrowiak, *Biochemistry*, **31**, 1058-64 (1992).
91. "Quantitative Footprinting Analysis of the Chromomycin A₃ - DNA Interaction", A. Stankus, J. Goodisman and J.C. Dabrowiak, *Biochemistry*, **31**, 9310-18 (1992).
92. "Neither Δ - nor Λ Tris(phenanthroline)ruthenium(II) Binds to DNA by Classical Intercalation", S. Satyanaryana, J.C. Dabrowiak and J.B. Chaires, *Biochemistry*, **31**, 9319-24 (1992).
93. "Tris(phenanthroline)ruthenium(II) Enantiomer Interactions with DNA: Mode and Specificity of Binding", S. Satyanarayana, J.C. Dabrowiak, and J.B. Chaires, *Biochemistry*, **32**, 2573-84 (1993).
94. "Cleavage of Tubulin by Vanadate Ion", J.J. Correia, L.D. Lipscomb, J.C. Dabrowiak, N. Isern and J. Zubieta *Arch. Biochem.*, **309**, 94-104 (1994).
95. "Quantitative Footprinting Analysis. A Mini Review", M. Shubsda, H. Kishikawa, J. Goodisman and J.C. Dabrowiak, *J. Mol. Recogn.* **7**, 133-39 (1994).

96. "Interaction of Cationic Porphyrins with DNA", V. Sehlstedt, S.K. Kim, P. Carter, J. Goodisman, J.F. Vollano, B. Norden and J. C. Dabrowiak, *Biochemistry*, **33**, 417-26 (1994).
97. "Synthesis and characterization of platinum (II)-thiolate complexes. Crystal and molecular structures of *cis*-Pt(Ph₃P)₂(SC₆H₂-2,4,6-iPr₃)Cl and *cis*-Pt(Ph₃P)₂(SC₆H₂-2,4,6-iPr₃)₂", Q. Chen, F. Boenheim, J. C. Dabrowiak and J. Zubieta, *Inorganica Chimica Acta*, **216**, 83-87 (1994).
98. "PCR Generation of Large Amounts of Purified DNA", L. Falzon, C. Kirk, J.B. Chaires and J. C. Dabrowiak, *Biochem. and Biophys. Methods*, **29**, 251-7 (1994).
99. "Chemically and Photochemically Initiated DNA Cleavage by an Insulin-Mimetic Bisperoxovanadium Complex", C. Hiort, J. Goodisman and J.C. Dabrowiak, *Molecular & Cellular Biochem.*, **153**, 31-6 (1995).
100. "Cleavage of DNA by the Insulin-Mimetic Compound, NH₄[VO(O₂)₂(phen)]", C. Hiort, J. Goodisman, and J.C. Dabrowiak, *Biochemistry*, **35**, 12354-62 (1996).
101. "Quantitative DNA Footprinting", J.C. Dabrowiak, J. Goodisman, and B. Ward, in *Methods in Molecular Medicine*, Humana Inc., Totowa, NJ, 23-42 (1997).
102. "Kinetics of Cleavage of Intra- and Extracellular Simian Virus 40 DNA with the Eneidyne Anticancer Drug C-1027", C.A. Kirk, J. Goodisman, T.A. Beerman, L.A. Gawson, and J.C. Dabrowiak, *Biophysical Chem.*, **63**, 201-9 (1997).
103. "Quantitation of Ethidium-Stained Closed Circular DNA in Agarous Gels", M.F. Shubsda, J. Goodisman, and J.C. Dabrowiak, *J. Biochem. Biophys. Methods*, **34**, 73-9 (1997).
104. "Kinetics Analysis of Drug Cleavage of Closed-Circular DNA", J. Goodisman, C. Kirk, and J.C. Dabrowiak, *Biophys. Chem.*, **69**, 249-268 (1997).
105. "Characterization of Hairpin-duplex Inconversion of DNA Using Polyacrylamide Gel Electrophoresis", M. Shubsda, J. Goodisman and **J.C. Dabrowiak**, *Biophys. Chem.*, **76**, 95-115 (1999).
106. "Monomer-dimer equilibrium constants of RNA in the dimer initiation site of human immunodeficiency virus type-1", M.F. Shubsda, M.P. McPike, J. Goodisman and **J.C. Dabrowiak**, *Biochemistry*, **38**, 10147-57 (1999).
107. "A Molecular Modeling Program as a Teaching Tool for Structural Biochemistry", **J.C. Dabrowiak**, P.J. Hatala and M. McPike, *J. Chem. Edu.*, **77**, 397-400 (2000).
108. "Binding of Human Immunodeficiency Virus Type¹ Nucleocapsid Protein to Ψ-RNA-SL3", M.F. Shubsda, C.A. Kirk, J. Goodisman and **J.C. Dabrowiak**, *Biophys. Chem.*, **87**, 149-65 (2000).
109. "Drug RNA Footprinting", M.P. McPike, J. Goodisman and **J.C. Dabrowiak**, *Methods Enzymol.* **340**, 431-449 (2001).

110. "Absorption Studies on Aminoglycoside Binding to the Packaging Region of Human Immunodeficiency Virus Type-1", Sullivan, J.M., Goodisman, J., and **Dabrowiak, J.C.**, *Bioorg. Med. Chem. Lett.*, **12**, 615-618 (2002).
111. "Kinetics of Cisplatin Binding to Cellular DNA and Modulation by Thiol-Blocking Agents and Thiol Drugs" Sadowitz, P.D., Hubbard, B.A., Dabrowiak, J.C., Goodisman, J., Tacka, K.A., Aktas, M.K., Cunningham, M.J., Dubowy, R.L., and Souid, A.-K. *Drug Metab. Dispos.*, **30**, 183-90 (2002).
112. "Footprinting, Circular Dichroism and UV Melting Studies on Neomycin B Binding to the packaging region of Human Immunodeficiency Virus Type-1" McPike, M. P., Sullivan, J. M., Goodisman, J., and **Dabrowiak, J. C.** *Nucleic Acids Res.* **30**, 2825-31 (2002).
113. "Kinetic Analysis of the Reactions of 4-Hydroperoxycyclophosphamide and Acroline with Glutathione, Mesna, and WR-1065" Tacka, K. A., **Dabrowiak, J. C.**, Goodisman, J., and Souid, A. K. *Drug Metab. Dispos.* **30**, 875-82 (2002).
114. "Footprinting and Circular Dichroism Studies on Paromomycin Binding to the Packaging Region of Human Immunodeficiency Virus Type-1" McPike, M. P., Goodisman, J. and **Dabrowiak, J.C.** *Bioorg. Med. Chem.* **10**, 3663-3672 (2002).
115. "Kinetic Study of the Reaction of Cisplatin with Thiols" **Dabrowiak, J. C.**, Goodisman, J. and Souid, A. K. *Drug. Metab. Dispos.* **30**, 1378-1384 (2002).
116. "Kinetic Study on the Reaction of Cisplatin with Metallothionein" Hagrman, D., Goodisman, J., **Dabrowiak, J. C.** and Souid, A. K. *Drug Metab. Dispos.* **31**, 916-923 (2003).
117. "Specificity of neomycin analogs bound to the packaging region of human immunodeficiency virus type 1 RNA" McPike, M.p., Goodisman, J. and **Dabrowiak, J. C.** *Bioorg. Med. Chem.* **12**, 1835-1843 (2004).
118. "Effects of cisplatin on mitochondrial function in Jurkat cells" Tacka, K. A., **Dabrowiak, J. C.**, Goodisman, J., Penefsky, H. S., and Souid, A.-K. *Chem Res. Toxicol.* **17**, 1102-1111 (2004).
119. "Experimental and theoretical studies on the pharmacodynamics of cisplatin in Jurkat cells" Tacka, K. A., Szalda, D., Souid, A.-K., Goodisman, J., and **Dabrowiak, J. C.** *Chem Res. Toxicol.* **17**, 1434-44 (2004).
120. "Cisplatin carbonato complexes. Implications for uptake, antitumor properties and toxic" Centerwall, C. R., Goodisman, J., Kerwood, D. J., **Dabrowiak, J. C.** *J. Am. Chem. Soc.* **127**, 12768-69 (2005).
121. "Formation of monofunctional cisplatin-DNA adducts in carbonate buffer" Binter, A., Goodisman, J. **Dabrowiak, J. C.** *J. Inorg. Biochem.* **100**, 1219-24 (2006).
122. "Activation of carboplatin by carbonate" Di Pasqua, A. J., Goodisman, J., Kerwood, D. J., Toms, B. B., Dubowy, R. L., **Dabrowiak, J. C.** *Chem. Res. Toxicol.* **19**, 139-49 (2006).

123. "Modification and uptake of a cisplatin carbonato complex by Jurkat cells" Centerwall, C. R., Tacka, K. A., Kerwood, D. J., Goodisman, J., Toms, B. B., Dubowy, R. L., **Dabrowiak, J. C.** *Mol. Pharmacol.* **70**, 348-55 (2006).
124. "Role of carbonate in the cytotoxicity of carboplatin" Di Pasqua, A. J., Goodisman, J., Kerwood, D. J., Toms, B. B., Dubowy, R. L., **Dabrowiak, J. C.** *Chem. Res. Toxicol.* **20**, 896-904 (2007).
125. "The activation of platinum (II) antiproliferative drugs in carbonate medium evaluated by means of a DNA-biosensor" Ravera, M., Bagni, G., Mascini, M., **Dabrowiak, J. C.**, Osella, D., *J. Inorg Biochem.* **101**, 1023-1027 (2007).
126. "Modification of carboplatin by Jurkat cells", Di Pasqua, A. J., Goodisman, J., Kerwood, D. J., Toms, B. B., **Dabrowiak, J. C.**, *J. Inorg. Biochem.*, **101**, 1438-1441 (2007).
127. "Cytotoxicity of mesoporous silica nanomaterials" Di Pasqua, A. J., Sharma, K. K., Shi, Y., Toms, B. B., Ouellette, W., **Dabrowiak, J. C.**, and Asefa, T., *J. Inorg. Biochem.*, **102**, 1416-23 (2008).
128. "New extracellular resistance mechanism for cisplatin", Centerwall, C. R., Kerwood, D. J., Goodisman, J. Toms, B. B., and **Dabrowiak, J. C.**, *J. Inorg. Biochem.*, **102**, 1044-9 (2008)
129. "Influence of carbonate on the binding of carboplatin to DNA", Sorokanich, R. S., Di Pasqua, A. J., Geier, M., **Dabrowiak, J.C.**, *Chem. Biodivers.*, **5**, 1540-44 (2008)
130. "Formation of Carbonato and Hydrogencarbonato Complexes in the Reaction of Platinum Anticancer Drugs with Carbonate" Di Pasqua, A. J., Centerwall, C. R., Kerwood, D. J., **Dabrowiak, J. C.** *Inorg. Chem.* **28**, 1192-7 (2009).
131. "Preparation of Antibody-Conjugated Gold Nanoparticles" Di Pasqua, A. J., Mishler, R. E., Ship, Y.-L., **Dabrowiak, J. C.**, Asefa, T. *Materials Lett.*, **63**, 1876-9 (2009).
132. "Adsorption of the Pt⁺² Anticancer Drug Carboplatin by Mesoporous Silica" Di Pasqua, A. J., Wallner, S., Kerwood, D. J., **Dabrowiak, J. C.** *Chem. Biodivers.*, **6**, 1343-9 (2009).
133. Textbook, **Dabrowiak, J. C.**, *Metals in Medicine*, Wiley-Blackwell, Oxford, UK, 2009.