

BRUCE M. FOXMAN

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EDUCATION

Institution	Major	Degree and Year
Iowa State University (Senior Research Thesis Advisor: Professor John G. Verkade)	Chemistry	B. S., 1964 with distinction
Massachusetts Institute of Technology (Ph. D. Thesis Advisor: Professor F. Albert Cotton)	Inorganic Chemistry	Ph. D., 1968
The Australian National University (Postdoctoral Advisor: Professor Alan M. Sargeson)	Inorganic Chemistry	Research Fellow, 1968-1972

PROFESSIONAL APPOINTMENTS, HONORS and AWARDS

Research Fellow, The Australian National University, 1968-1972

Assistant Professor, Brandeis University, 1972-1978

Visiting Professor, IBM Thomas J. Watson Research Center, 1975

Associate Professor, Brandeis University, 1978-1985

Professor, Brandeis University, 1985-

Visiting Professor, Oxford University, 1987

Visiting Professor, Max-Planck-Institut für Polymerforschung, 1995-1996

Honorary Professor, University of Birmingham, 2001

Professeur Invité, Université Louis Pasteur, 2002

Brandeis Prize for Excellence in Teaching, 2009

70th Birthday Symposium in Honor of Bruce M. Foxman, American Crystallographic Association National Meeting (Published as *ACA Transactions*, 2012

<http://www.amerystalassn.org/2012-transactions>), Boston, 28 July-01 August 2012

Elected Fellow of the Royal Society of Chemistry (FRSC), 2017

PROFESSIONAL ACTIVITIES

Membership in Professional Societies: American Chemical Society, American Crystallographic Association, Royal Society of Chemistry, Materials Research Society

PROFESSIONAL ACTIVITIES, continued

Member, International Advisory Committee, Vth through XXIIIrd International Conference on the Chemistry of the Organic Solid State.

Member, Editorial Advisory Board, *Chemistry of Materials*, American Chemical Society, 2001-2006

Member, Editorial Advisory Board, *Crystal Growth and Design*, American Chemical Society, 2000-2011

Member, International Editorial Advisory Board, *CrystEngComm*, Royal Society of Chemistry, 2001-2003

Member, Editorial Advisory Board, *Journal of Chemical Crystallography*, Kluwer Academic Publishers

Member, Editorial Advisory Board, *Journal of Coordination Chemistry*, Taylor & Francis Publishers, 2004-2010

Program Chair, American Crystallographic Association National Meeting, Boston, 28 July-01 August 2012

Scientific Organizer of the Symposium in Honor of R. D. Adams, 217th National American Chemical Society Meeting, Anaheim, CA, 21-25 March 1999.

National Science Foundation, Division of Materials Research and Division of Chemistry Review Panels

Member, External Review Panel and Visiting Committee, Center for Materials Research and Analysis, University of Nebraska, Lincoln, NE, December 1989.

Invited Lecture Series in X-ray Crystallography, presented at Harvard University, 1981, 1986.

Scientific Co-Organizer (with Professor Iain C. Paul) of the Vth International Conference on the Chemistry of the Organic Solid State, held at Brandeis University, 12-16 July, 1978.

EDUCATIONAL ACTIVITIES

Invited Instructor/Lecturer, "UCSD Summer School in Crystallography," sponsored by Pfizer, Inc., University of California at San Diego, 30 July – 08 August 2007.

Invited Instructor/Lecturer, "Crystallography for Organic Chemists," an ACS-PRF Summer School, University of California at San Diego, 2-13 August 2004; 01-06 August 2005.

Member, ACS Examinations Committee, Conceptual Examination Preparation, 1999-2000.

Member, College Board Advanced Placement Chemistry Committee, 1991-1997.

Chair, College Board Advanced Placement Chemistry Committee, 1993-1996.

Leader of the AP National Teleconference, December, 1994, as Chair of the Advanced Placement Chemistry Program; live teleconference produced by the College Board in conjunction with WEDW Public Television, Stamford, CT. Broadcast live to over 300 high schools in the USA and Canada. Video tape (90 min., same title) prepared by the College Board for distribution to high school Chemistry AP programs.

"The Role of Advanced Placement Science Courses in Educational Reform," panel presentation at the College Board National Forum, Washington, DC, 28 October 1994.

"Standardized Examinations and their Impact on Critical Thinking, Scientific Literacy and High School Curricula," presentation to the National Research Council Commission on Physical Sciences, Mathematics and Applications, National Academy of Sciences, Washington, DC, 10 May 1994.

Invited Instructor/Lecturer, I Escuela y el XI Congreso Iberoamericano de Cristalografía, Departamento de Química, Facultad des Ciencias, Universidad de Los Andes, Mérida, Venezuela, 2-14 September 1990.

INDUSTRIAL AFFILIATIONS (current activities in bold)

Consultant to : IBM; Celanese Research Company; GTE Laboratories, Incorporated; Mead Corporation; Enraf-Nonius; Polaroid Corporation; Radiation Monitoring Devices, Incorporated; DUSA Pharmaceuticals; TransForm Pharmaceuticals; Eligix, Inc; GPC Corporation; Bruker-AXS; FoldRX; **Alkermes; Vertex; Kala; Amgen.**

PUBLICATIONS (281 at this time)

PUBLICATIONS

1. "Transition Metal Complexes of Caged Phosphite Esters", Verkade, J. G.; Huttemann, T. J.; Foxman, B. M.; McCarley, R. E.; Hendricker, D. G. *Proceedings of the 8th I.C.C.C.*, Vienna, Austria, 1964, p. 191-193.
2. "Transition Metal Complexes of a Constrained Phosphite Ester. IV. Compounds of Cobalt(I), Cobalt(III), Nickel(II), and Nickel(0)", Huttemann, T. J., Jr.; Foxman, B. M.; Sperati, C. R.; Verkade, J. G. *Inorg. Chem.* **1965**, 4, 950-953.
3. "Structures of Two Compounds Containing Strong Metal-to-Metal Bonds", Bennett, M. J.; Cotton, F. A.; Foxman, B. M.; Stokely, P. F. *J. Am. Chem. Soc.* **1965**, 89, 2759-2760.
4. "The Crystal and Molecular Structure of Trirhenium Nonaiodide", Bennett, M. J.; Cotton, F. A.; Foxman, B. M. *Inorg. Chem.* **1968**, 7, 1563-1569.
5. "The Structure of Oxopentachloropropionatobis(triphenylphosphine)dirhenium", Cotton, F. A.; Foxman, B. M. *Inorg. Chem.* **1968**, 7, 1784-1792.
6. "Some Reactions of the Octahalodirhenate(III) Ions. VIII. The Structure of a Phosphine-Substitution Product of Octahalodirhenate(III)", Cotton, F. A.; Foxman, B. M. *Inorg. Chem.* **1968**, 7, 2135-2140.
7. "The Structure of μ -Oxo- μ -chloro-di- μ -propionato-bis(chlorotriphenylphosphinerhenium). A New Metal-Metal Bond", Cotton, F. A.; Eiss, R.; Foxman, B. M. *Inorg. Chem.* **1969**, 8, 950-957.
8. "Steric Acceleration in the Base Hydrolysis of Some Pentakis(alkylamine)cobalt(III) Complexes", Buckingham, D. A.; Foxman, B. M.; Sargeson, A. M. *Inorg. Chem.* **1970**, 9, 1790-1795.
9. "Reactions of Coordinated Nucleophiles. Formation and Structure of a Novel Tridentate Complex", Buckingham, D. A.; Foxman, B. M.; Sargeson, A. M.; Zanella, A. *J. Am. Chem. Soc.* **1972**, 94, 1007-1009.
10. "Structural Evidence for Ground-State Steric Effects in Chloropentakis(methylamine)cobalt(III) Nitrate", Foxman, B. M. *Chem. Commun.* **1972**, 515-516.
11. "X-Ray Molecular Structure of Dicarbonyl- η^5 -cyclopentadienyl(η^2 -tetramethylallenyl)iron Tetrafluoroborate. A Sterically Crowded Allene Complex", Foxman, B. M. *Chem. Commun.* **1975**, 221-222.
12. "Applications of the King and Lipscomb Expression for the X-Ray Scattering of a Hindered Rotor", Bennett, M. J.; Hutcheon, W. L.; Foxman, B. M. *Acta Crystallogr., Sect. A* **1975**, A31, 488-494. "Cephalotaxine Chemistry: Unusual Addition Reactions of seco-

- Cephalotaxine Derivatives", Schwab, J. M.; Parry, R. J.; Foxman, B. M. *Chem. Commun.* **1975**, 906-907.
13. "Cephalotaxine Chemistry: Unusual Addition Reactions of seco-Cephalotaxine Derivatives", Schwab, J. M.; Parry, R. J.; Foxman, B. M. *Chem. Commun.* **1975**, 906-907.
 14. "The Two β Forms of Poly(L-glutamic Acid)", Itoh, K.; Foxman, B. M.; Fasman, G. D. *Biopolymers* **1976**, *15*, 419-455.
 15. "The Mechanism of Formation of Sodium Gallate Superionic Conductors", LaPlaca, S. J.; Foxman, B. M.; Foster, L. M. in *Superionic Conductors*; Mahan, G. D.; Roth, W. L., Eds.; Plenum Press: New York, N.Y., 1976; pp. 419-420.
 16. "Synthesis, Stereoisomerism, and Fluxional Behavior of Cationic Alleneiron Complexes", Foxman, B.; Marten, D.; Rosan, A.; Raghu, S.; Rosenblum, M. *J. Am. Chem. Soc.* **1977**, *99*, 2160-2165.
 17. "Molecular Structure and Dynamics of $\text{TaCl}(\eta^4\text{-C}_{10}\text{H}_8)[(\text{CH}_3)_2\text{PC}_2\text{H}_4\text{P}(\text{CH}_3)_2]_2$ ", Albright, J. O.; Brown, L. D.; Datta, S.; Kouba, J. K.; Wreford, S. S.; Foxman, B. M. *J. Am. Chem. Soc.* **1977**, *99*, 5518-5519.
 18. "Polymerization of $\text{NiBr}_2[\text{P}(\text{CH}_2\text{CH}_2\text{CN})_3]_2$: A 'Triply-Specific' Solid-State Reaction", Cheng, K.; Foxman, B. M. *J. Am. Chem. Soc.* **1977**, *99*, 8102-8103.
 19. "Cyclophanes. 13. Crystal and Molecular Structure of [2.2](2.5)-Furano-(1,4)naphthalenophane", Keehn, P. M.; Foxman, B. M.; Corson, M. *Tetrahedron* **1978**, *34*, 1641-1649.
 20. "Comparative Crystallography of Sterically Crowded Transition-Metal Complexes. I. Structures of $[\text{Co}(\text{NH}_2\text{CH}_3)_5\text{Cl}](\text{NO}_3)_2$ and $[\text{Cr}(\text{NH}_2\text{CH}_3)_5\text{Cl}]\text{Cl}_2$ ", Foxman, B. M. *Inorg. Chem.* **1978**, *17*, 1932-1938.
 21. "Preparation and Molecular Structure of $[(\eta\text{-C}_5\text{H}_5)_2\text{Ta}(\text{Me}_2\text{PC}_2\text{H}_4\text{PMe}_2)\text{Cl}\cdot\text{CH}_3\text{CN}]$ ", Foxman, B. M.; McNeese, T. J.; Wreford, S. S. *Inorg. Chem.* **1978**, *17*, 2311-2314.
 22. "Preparation and Molecular Structure of $[\text{Ta}\{\text{H}_2\text{Al}[\text{OC}_2\text{H}_4\text{OMe}]_2\}(\text{Me}_2\text{PC}_2\text{H}_4\text{PMe}_2)_2]_2$, a Co-ordinatively Unsaturated Aluminohydride Adduct of Tantalum(I)", McNeese, T. J.; Wreford, S. S.; Foxman, B. M. *Chem. Commun.* **1978**, 500-501.
 23. "Crystal and Molecular Structure of $\{\text{Ni}[(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{COCH}_3]_2\}\{\text{Ni}[\text{NCS}]_4[\text{P}(\text{CH}_2\text{CH}_2\text{CN})_3]_2\}$: A β -Hydroxy Ketone Chelate Complex", Foxman, B. M.; Mazurek, H. *Inorg. Chem.* **1979**, *18*, 113-116.
 24. "Ligand Exchange in $\text{TaX}(\eta^4\text{-naphthalene})(\text{Me}_2\text{PCH}_2\text{CH}_2\text{PMe}_2)_2$: The Pentagonal Bipyramid to Monocapped Trigonal Prism Traverse", Albright, J. O.; Datta, S.; Dezube, B.; Kouba, J. K.; Marynick, D. S.; Wreford, S. S.; Foxman, B. M. *J. Am. Chem. Soc.* **1979**, *101*, 611-619.

25. "Simultaneous Polymerization and Crystallization: A New Method for the Preparation of Mixed-metal Coordination Polymers", Foxman, B. M.; Gersten, S. W. *Inorg. Chim. Acta* **1979**, *33*, L151-L152.
26. "An Introduction to the Solid State Polymerization of Transition-metal Complexes", Cheng, K.; Foxman, B. M.; Gersten, S. W. *Mol. Cryst. Liq. Cryst.* **1979**, *52*, 77-82.
27. "Biosynthesis of the *Cephalotaxis* Alkaloids. Investigations of the Early and Late Stages of Cephalotaxine Biosynthesis", Parry, R. J.; Chang, M. N. T.; Schwab, J. M.; Foxman, B. M. *J. Am. Chem. Soc.* **1980**, *102*, 1099-1111.
28. "The Preparation and Properties of Cationic Dicarboxylcyclopentadienyliron Complexes of Organic Carbonyl Compounds: Molecular Structure of Dicarboxylcyclopentadienyliron(3-Methylcyclohexenone) Hexafluorophosphate", Foxman, B. M.; Klemarczyk, P. T.; Liptrot, R. E.; Rosenblum, M. *J. Organometal. Chem.* **1980**, *187*, 253-265.
29. "Preparation and Molecular Structure of TaH[P(C₆H₅)₂]₂[(CH₃)₂PC₂H₄P(CH₃)₂]₂, a Metal Hydride of the Type MHL₂(bidentate phosphine)₂ⁿ⁺ Having a Pentagonal-Bipyramidal Structure", Domaille, P. J.; Foxman, B. M.; McNeese, T. J.; Wreford, S. S. *J. Am. Chem. Soc.* **1980**, *102*, 4114-4120.
30. "Synthetic Applications of the Chemistry of Dicarboxyl Cyclopentadienyliron Complexes", Rosenblum, M.; Chang, T. C. T.; Foxman, B. M.; Samuels, S. B.; Stockman, C. in *Organic Synthesis*; Trost, B. M.; Hutchinson, C. R., Eds.; IUPAC, Pergamon Press: N.Y., 1981; pp 47-54.
31. "Conformational Polymorphism of Ni(NCS)₂[P(CH₂CH₂CN)₃]₂. A Crystallographic Study of Three Polymorphs", Foxman, B. M.; Goldberg, P. L.; Mazurek, H. *Inorg. Chem.* **1981**, *20*, 4368-4375.
32. "Reactivity of Distorted C₅H₅Fe(CO)₂(olefin) Cations toward Nucleophilic Attack", Chang, T. C. T.; Foxman, B. M.; Rosenblum, M.; Stockman, C. *J. Am. Chem. Soc.* **1981**, *103*, 7361-7362.
33. "Base-Catalyzed Condensation of a Coordinated Amine and a Nitrile to Form a Tridentate Amidine, [Co(en)(NH₂CH₂CH₂NC(NH₂)CH₂NH₂X)]²⁺ (X = Cl, Br), and the Subsequent Hydrolysis of Halide", Buckingham, D. A.; Clark, C. R.; Foxman, B. M.; Gainsford, G. J.; Sargeson, A. M.; Wein, M.; Zanella, A. *Inorg. Chem.* **1982**, *21*, 1986-1997.
34. "Structure of Tris(2-cyanoethyl)phosphine Oxide", Foxman, B. M.; Kim, C. H.; Mazurek, H. *Acta Crystallogr., Sect. B* **1982**, *B38*, 1622-1624.
35. "The Structure and Solid-State Reactivity of a New Polymorph of Tetrakis(4-vinylpyridine)diisothiocyanatocobalt(II)", Foxman, B. M.; Mazurek, H. *Inorg. Chim. Acta* **1982**, *59*, 231-235.
36. "DL-threo-β-Fluoroaspartate and DL-threo-β-Fluoroasparagine: Selective Cytotoxic Agents for Mammalian Cells in Culture", Stern, A. M.; Foxman, B. M.; Tashjian, A. H., Jr.; Abeles, R. H. *J. Med. Chem.* **1982**, *25*, 544-550.

37. "The Crystal Structure of Tetratellurotetracene (TTeT) and Polymorphism of Tetraselenotetracene (TseT)", Sandman, D. J.; Stark, J. C.; Hamill, G. P.; Burke, W. A.; Foxman, B. M. *Mol. Cryst. Liq. Cryst.* **1982**, *86*, 79-85.
38. "5,6:11,12-Bis(ditelluro)tetracene: Synthesis, Molecular, and Supramolecular Properties", Sandman, D. J.; Stark, J. C.; Foxman, B. M. *Organometallics* **1982**, *1*, 739-742.
39. "Synthesis and X-Ray Crystal Structure of Dipotassium [Tris(3,5-di-*t*-butylpyrocatecholato)manganate(IV)]-Acetonitrile (1/6), A Novel Mn(IV) Tris(bidentate) Chelate", Hartman, J. A. R.; Foxman, B. M.; Cooper, S. R. *Chem. Commun.* **1982**, 583-584.
40. "Reactive Charge-Transfer Complexes as Precursors for New Organometallic Salts. Synthesis and Structure of $[(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}^+]_{1.5}[(\text{NC})_2\text{C}=\text{C}(\text{CN})\text{O}]^-$ ", Sullivan, B. W.; Foxman, B. M. *Organometallics* **1983**, *2*, 187-189.
41. "Crown Thiaether Chemistry. Crystal Structure of 1,4,8,10,13,16-Hexathia-cyclooctadecane, the Hexathia Analogue of 18-Crown-6", Hartman, J. A. R.; Wolf, R. E.; Foxman, B. M.; Cooper, S. R. *J. Am. Chem. Soc.* **1983**, *105*, 131-132.
42. "A Sterically Crowded Organopentacyanocobaltate: Single-Crystal X-Ray Structure Determination and Reactivity Study of $\text{K}_6[(\text{NC})_5\text{CoC}(\text{COOCH}_3)=\text{C}(\text{COOCH}_3)\text{Co}(\text{CN})_5 \cdot 6\text{H}_2\text{O}]$ ", Grande, K. D.; Kunin, A. J.; Stuhl, L. S.; Foxman, B. M. *Inorg. Chem.* **1983**, *22*, 1791-1794.
43. "Development of New Technologies for Solid-State Polymerization -- A Conceptual and Experimental Approach", Foxman, B. M.; Jaufmann, J. D. *J. Polym. Sci., Polym. Symp.* **1983**, *70*, 31-43.
44. "Studies of the Solid State Properties of Molecular and Supramolecular Selenium and Tellurium Materials", Sandman, D. J.; Stark, J. C.; Rubner, M.; Acampora, L. A.; Samuelson, L. A.; Foxman, B. M. *Mol. Cryst. Liq. Cryst.* **1983**, *93*, 293-305.
45. "Dichlorobis(3,3',3''-phosphinidynetripropionitrile)nickel(II) and dibromobis(3,3',3''-phosphinidyne-tripropionitrile)nickel(II) Monomers and Polymers", Foxman, B. M.; Jaufmann, J.; Sullivan, B. *Inorg. Syn.* **1983**, *22*, 113-115.
46. "Higher Valent Manganese Chemistry. Synthetic, Structural, and Solution Studies on $[\text{Mn}(\text{catecholate})_3]^{n+}$ ($n = 2, 3$) Complexes", Hartman, J. R.; Foxman, B. M.; Cooper, S. R. *Inorg. Chem.* **1984**, *23*, 1381-1387.
47. "Anionic Alkyne Complexes of Tungsten", Maher, J. M.; Fox, J. R.; Foxman, B. M.; Cooper, N. J. *J. Am. Chem. Soc.* **1984**, *106*, 2347-2353.
48. "Synthesis, Structure and Reactivity of a Polynuclear Chromium Tetraanion, Tetrakis($(\mu_3$ -methoxy)tricarbonylchromate (0))", McNeese, T. J.; Cohen, M. B.; Foxman, B. M. *Organometallics* **1984**, *3*, 552-556.
49. "1,8:4,5-Bis(diseleno)naphthalene", Stark, J. C.; Reed, R.; Acampora, L. A.; Sandman, D. J.; Jansen, S.; Jones, M. T.; Foxman, B. M. *Organometallics* **1984**, *3*, 732-735.

50. "Metal Salts and Complexes as Structural Models and Templates for the Solid State Polymerization of Substituted Acetylenes", Foxman, B. M.; Jaufmann, J. D. *Mol. Cryst. Liq. Cryst.* **1984**, *106*, 187-197.
51. "Studies of the Solid State Reactivity and Properties of Diacetylene Polymers and Acetylenes", Sandman, D. J.; Hamill, G. P.; Samuelson, L. A.; Foxman, B. M. *Mol. Cryst. Liq. Cryst.* **1984**, *106*, 199-217.
52. "Synthetic, Structural, and Electrical Aspects of Molecular and Polymeric Selenium and Tellurium Materials", Sandman, D. J.; Stark, J. C.; Acampora, L. A.; Samuelson, L. A.; Allen, G. W.; Jansen, S.; Jones, M. T.; Foxman, B. M. *Mol. Cryst. Liq. Cryst.* **1984**, *107*, 1-17.
53. "Isolation and Characterization of (PNP)₂Co(CN)₄, an Unusual Square Planar Cobalt(II) Complex", Carter, S. J.; Foxman, B. M.; Stuhl, L. S. *J. Am. Chem. Soc.* **1984**, *106*, 4265-4266.
54. "Cofacial Metallocenes. Synthesis and Crystal Structure of 1,8-diferrocenylnaphthalene", Lee, M.-T.; Foxman, B. M.; Rosenblum, M. *Organometallics* **1985**, *3*, 539-547.
55. "An Approach to the Synthesis of Neplanocin A", Faith, W. C.; Booth, C. A.; Foxman, B. M.; Snider, B. B. *J. Org. Chem.* **1985**, *50*, 1983-1985.
56. "ESR and Theoretical Studies of bis-Benzene-1,2-Diselenolate Nickel and Related Complexes", Jones, M. T.; Jansen, S.; Sandman, D. J.; Foxman, B. M.; Ashwell, G. J. *Mol. Cryst. Liq. Cryst.* **1985**, *125*, 429-437.
57. "The Ferric Chloride α -Diamine System. 3. X-ray Crystallographic, Magnetic Susceptibility, and Zero- and High-Field Mossbauer Spectroscopy Investigation of [Fe(2,2'-bpy)₂Cl₂][FeCl₄]: Slow Paramagnetic Relaxation and Magnetic Ordering of Complex Bimetallic Salts", Witten, E. H.; Reiff, W. M.; Lázár, K.; Sullivan, B. W.; Foxman, B. M. *Inorg. Chem.* **1985**, *24*, 4585-4591.
58. "Single Crystal Reactions of Metal Complexes and Salts", Booth, C. A.; Jaufmann, J. D.; Foxman, B. M. *Polym. Prepr. (Am. Chem. Soc. Div. Poly. Chem.)* **1986**, *54*, 206-209.
59. "Structure, Reactivity and Electrochemistry of Free-Base β -Oxoporphyrins and Metallo- β -oxoporphyrins", Stolzenberg, A. M.; Glazer, P. A.; Foxman, B. M. *Inorg. Chem.* **1986**, *25*, 983-991.
60. "Crystal and Molecular Structure of an Unreactive Methacrylate Phase, Cu₂[C₃H₅COO]₄·2[C₃H₅COOH]", Shepherd, J. W., III; Foxman, B. M. *Mol. Cryst. Liq. Cryst.* **1986**, *137*, 87-99.
61. "Octahedral d³ and d⁴ Complexes of Molybdenum with 1,2-Bis(dimethylphosphino)ethane", Fong, L. K.; Fox, J. R.; Foxman, B. M.; Cooper, N. J. *Inorg. Chem.* **1986**, *25*, 1880-1886.
62. "Cobalt(II) Cyanides in Aprotic Media: Effect of Varying Counterion and Solvent", Carter, S. J.; Foxman, B. M.; Stuhl, L. S. *Inorg. Chem.* **1986**, *25*, 2888-2894.

63. "Coordination Polymers", Foxman, B. M.; Gersten, S. W. in *Encyc. Polym. Sci. Eng.*; Mark, H.; Bikales, N.; Overberger, C. A.; Menges, F., Eds.; Wiley: New York, 1986; Vol. 4; pp. 175-192.
64. "Asymmetric Carbon-Carbon Bond Formation Using Optically Active $(\eta\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})_2$ -Vinyl Ether Complexes. Asymmetric Control at Two Adjacent Carbon Centers", Rosenblum, M.; Turnbull, M. M.; Foxman, B. M. *Organometallics* **1986**, 5, 1062-1063.
65. "Direct Synthesis of Low-Valent Acyl Isocyanide Metal Complexes. Preparation, Structure and Properties of $(\eta^5\text{-C}_5\text{H}_5)\text{Co}(\text{CNCOR})_2$ Complexes Formed via Reaction of $(\eta^5\text{-C}_5\text{H}_5)\text{Co}(\text{CO})_2$ with Acyl Isocyanides", Carter, S. J.; Foxman, B. M.; Stuhl, L. S. *Organometallics* **1986**, 5, 1918-1920.
66. "Stereoselective Synthesis of 1,2-Diethoxy- and 1,4-Dioxino[2,3-b]Furans Using Organoiron Reagents", Rosenblum, M.; Foxman, B. M.; Turnbull, M. M. *Heterocycles* **1987**, 25, 419-431.
67. "The Nickel, Cobalt, and Copper Complexes of *o*-Benzenediselenolate: Synthesis and Structural and Magnetic Properties", Sandman, D. J.; Allen, G. W.; Acampora, L. A.; Stark, J. C.; Jansen, S.; Jones, M. T.; Ashwell, G. J.; Foxman, B. M. *Inorg. Chem.* **1987**, 26, 1664-1669.
68. "The Design of a Solid-State Reaction: The Crystal Structure and Solid-State Polymerization of Bis(propiolato)tetraaquozinc(II)", Booth, C. A.; Foxman, B. M.; Jaufmann, J. D. in *Crystallographically Ordered Polymers*; Sandman, D. J., Ed.; ACS Symposium Series 337; American Chemical Society: Washington, DC, 1987; pp. 95-105.
69. "Metallacyclopentene/Metallaoxanorbornadiene Chemistry. Synthesis, Characterization, and Reactivity of 1-(Cyclopentadienyl)cobalt-2-oxanorbornadiene Complexes", Stolzenberg, A. M.; Scozzafava, M.; Foxman, B. M. *Organometallics* **1987**, 6, 769-777.
70. "Crown Thiaether Chemistry. Structural and Conformational Studies of Tetrathia-12-crown-4, Pentathia-15-crown-5, and Hexathia-18-crown-6; Implications for Ligand Design", Wolf, R. E., Jr.; Hartman, J. R.; Storey, J. M. E.; Foxman, B. M.; Cooper, S. R. *J. Am. Chem. Soc.* **1987**, 109, 4328-4335.
71. "Vinylation of Cyclohexane Enolates Using Vinyl Ether-Iron Complexes. Diastereoselectivity of Carbon-Carbon Bond Formation", Chang, T. C. T.; Foxman, B. M.; Coolbaugh, T. S.; Rosenblum, M.; Simms, N.; Stockman, C. *Organometallics* **1987**, 6, 2394-2404.
72. "Optically Active Organoiron Complexes. Preparation and Chemistry", Turnbull, M. M.; Foxman, B. M.; Rosenblum, M. *Organometallics* **1988**, 7, 200-210.
73. "Steric and Electronic Interactions Between Cofacial Metallocene Rings", Arnold, R.; Foxman, B. M.; Rosenblum, M.; and Euler, W. B. *Organometallics* **1988**, 7, 1253-1259.
74. "The Interaction of Vacuum Ultraviolet Light with Crystalline Monoacetylenes: A Progress Report", Sandman, D. J.; Velazquez, C. S.; Hamill, G. P.; Foxman, B. M.; Preses, J. M.; Weston, R. E., Jr. *Mol. Cryst. Liq. Cryst.* **1988**, 156, 103-108.

75. "Structural and Magnetic Studies of Electrochemically Crystallized Halides of 1,4,5,8-Tetraselenonaphthalene (TSeN)", Acampora, L. A.; Elman, B. S.; Sandman, D. J.; Jansen, S.; Jones, M. T.; Rataiczak, R. D.; Foxman, B. M. *Inorg. Chem.* **1989**, *28*, 1579-1582.
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