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Born: January 13, 1950, Chicago Illinois

Education:

B. Sc. Chem. University of Michigan, Ann Arbor, MI 1970
Ph. D. Harvard University, Cambridge, MA 1973 (Advisor, E. J. Corey)
Postdoctoral Columbia University, New York, NY 1973-1975 (Advisor, Ronald Breslow)

Employment

Assistant Professor, Princeton University, 1975-1981
Associate Professor, Brandeis University, 1981-1985
Professor, Brandeis University, 1985-
Breskin Professor of Organic Chemistry, Brandeis University, 1998-
Chair, Chemistry Department, Brandeis University, 1992-1995

Awards and Honors

National Science Foundation Predoctoral Fellowship 1970-1973
National Institutes of Health Postdoctoral Fellowship, 1975
DuPont Young Faculty Grant, 1978, 1979
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Fellow of the Alfred P. Sloan Foundation 1979-1983
Dreyfus Foundation Teacher-Scholar Award, 1982-1987
Visiting Research Scholar, Tokyo Institute of Technology, 1992
Member, NIH Medicinal Chemistry Study Section, 1992-1997
Chair, NIH Medicinal Chemistry Study Section, 1995-1997
Cope Scholar Award (American Chemical Society), 1995
Japan Society for Promotion of Science Fellowship, 1999

Memberships:

Sigma Xi, Phi Beta Kappa, American Chemical Society, Royal Society of Chemistry

Link to Web page and complete publication list: <http://www.chem.brandeis.edu/snider.html>

1. Salamone, J. C.; Snider, B. "Quaternary Ammonium Polymers from 1,4-Diaza[2.2.2]bicyclooctane" *J. Polym. Sci. A-1* **1970**, *8*, 3495-3501.
2. Salamone, J. C.; Snider, B.; Fitch, W. L. "Quaternization Polymerization of 4-Vinylpyridine" *Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem.* **1970**, *11(2)*, 652-654.
3. Salamone, J. C.; Snider, B.; Fitch, W. L. "Polymerization of 4-Vinylpyridinium salts. II. Hydrogen-Transfer Polymerization" *Macromolecules* **1970**, *3*, 707-709.
4. Salamone, J. C.; Snider, B.; Fitch, W. L. "Polymerization of 4-Vinylpyridinium Salts. I. Counterion Initiation Mechanism" *J. Polym. Sci. B* **1971**, *9*, 13-17
5. Salamone, J. C.; Snider, B.; Fitch, W. L. "Polymerization of 4-Vinylpyridinium salts. III. Clarification of the Mechanism of Spontaneous Polymerization" *J. Polym. Sci. A-1* **1971**, *9*, 1493-504.
6. Salamone, J. C.; Snider, B. B.; Israel, S. C.; Taylor, P.; Raia, D. C. "Synthesis and Polymerization Studies of Vinylimidazolium Salts" *Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem.* **1972**, *13(1)*, 271-276.
7. Corey, E. J.; Snider, B. B. "Total Synthesis of (\pm)-Fumagillin" *J. Am. Chem. Soc.* **1972**, *94*, 2549-50.
8. Salamone, J. C.; Snider, B.; Israel, S. C.; Taylor, P.; Raia, D. "Synthesis and Polymerization of Vinylimidazole Salts" *Nuova Chim.* **1972**, *48*, 82-84.
9. Salamone, J. C.; Israel, S. C.; Taylor, P.; Snider, B. "Poly(vinylimidazolium) Salts of Varying Hydrophilic-Hydrophobic Character" *Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem.* **1973**, *14(2)*, 778-782.
10. Salamone, J. C.; Israel, S. C.; Taylor, P.; Snider, B. "Synthesis and Homopolymerization of Vinylimidazolium Salts" *Polymer* **1973**, *14*, 639-644.
11. Salamone, J. C.; Israel, S. C.; Taylor, P.; Snider, B. "Poly(vinylimidazolium) salts of varying Hydrophilic-Hydrophobic Character" *J. Polym. Sci., Polym. Symp.* **1974**, *45*, 65-73.
12. Corey, E. J.; Snider, B. B. "New Synthetic Route to Prostaglandins" *Tetrahedron Lett.* **1973**, 3091-4.
13. Corey, E. J.; Snider, B. B. "The Preparation of 1,3,4-Thiadiazoline-2,5-dione and its Use as a Dienophile" *J. Org. Chem.* **1973**, *38*, 3632-3633.
14. Snider, B. B. "New Method for the Preparation of 4-Methylene-1-cyclohexenes" *J. Org. Chem.* **1973**, *38*, 3961-3963.

15. Snider, B. B. "Lewis Acid Catalysis of Ene Reactions" *J. Org. Chem.* **1974**, *39*, 255-256.
16. Corey, E. J.; Snider, B. B. "Preparation of an Optically Active Intermediate for the Synthesis of Prostaglandins" *J. Org. Chem.* **1974**, *39*, 256-8.
17. Salamone, J. C.; Taylor, P.; Snider, B.; Israel, S. C. "Copolymerization Studies of Vinylimidazolium Salts" *Polym. Prepr., Am. Chem. Soc., Div. Polym. Chem.* **1974**, *15(1)*, 462-467.
18. Breslow, R.; Corcoran, R. J.; Snider, B. B. "Remote Functionalization of Steroids by a Radical Relay Mechanism" *J. Am. Chem. Soc.* **1974**, *96*, 6791-6792.
19. Breslow, R.; Snider, B. B.; Corcoran, R. J. "Cortisone Synthesis Using Remote Oxidation" *J. Am. Chem. Soc.* **1974**, *96*, 6792-6794.
20. Salamone, J. C.; Taylor, P.; Snider, B.; Israel, S. C. "Copolymerization Behavior of Vinylimidazolium Salts" *J. Polym. Sci., Polym. Chem. Ed.* **1975**, *13*, 161-170.
21. Snider, B. B.; Corcoran, R. J.; Breslow, R. "Removal of the Steroid Side Chain Using Remote Oxidation. Conversion of 3 β -Cholesterol to Androsterone Acetate" *J. Am. Chem. Soc.* **1975**, *97*, 6580-6581.
22. Snider, B. B. "The Stereospecific Aluminum Chloride Catalyzed [2 + 2] Cycloaddition of Propiolate Esters with Unactivated Alkenes" *J. Org. Chem.* **1976**, *41*, 3061-3062.
23. Snider, B. B.; Hrib, N. J.; Fuzesi, L. "Allylic Cyanobis(methylthio)methylation. Insertion of a Functionalized Carbon in an Allylic Carbon-Hydrogen Bond" *J. Am. Chem. Soc.* **1976**, *98*, 7115-7117.
24. Breslow, R.; Corcoran, R. J.; Snider, B. B.; Doll, R. J.; Khanna, P. L.; Kaley, R. "Selective Halogenation of Steroids Using Attached Aryl Iodide templates" *J. Am. Chem. Soc.* **1977**, *99*, 905-915.
25. Snider, B. B.; Hrib, N. J. "A Synthesis of Inside-Inside Bicyclics. A One Step Synthesis of [10]-Paracyclophanes" *Tetrahedron Lett.* **1977**, 1725-1728.
26. Snider, B. B.; Brown, L. A.; Conn, R. S. E.; Killinger, T. A. "The Lewis Acid Catalyzed Reaction of 3-Butyn-2-one with Alkenes" *Tetrahedron Lett.* **1977**, 2831-2834.
27. Snider, B. B.; Fuzesi, L. "Allylic Functionalization: the Preparation of Allylmalonates" *Tetrahedron Lett.* **1978**, 877-880
28. Snider, B. B.; Killinger, T. A. "Rate Acceleration of the Intramolecular Ene Reactions of 1,6- and 1,7-Enynes by Electron-Withdrawing Substituents." *J. Org. Chem.* **1978**, *43*, 2161-2164.

29. Snider, B. B.; Amin, S. G. "A Synthetic Precursor of Verrucaridin" *Synth. Commun.* **1978**, *8*, 117-125.
30. Snider, B. B.; Rodini, D. "Synthesis of the A1 Component of the Female Sex Pheromone of the California Red Scale" *Tetrahedron Lett.* **1978**, 1399-1400.
31. Snider, B. B.; Karras, M.; Conn, R. S. E. "Nickel-Catalyzed Addition of Grignard Reagents to Silylacetylenes. Synthesis of Tetrasubstituted Alkenes" *J. Am. Chem. Soc.* **1978**, *100*, 4624-4626.
32. Snider, B. B.; Conn, R. S. E.; Sealfon, S. "Reactions of Phenylhydrazones with Electron-Deficient Alkenes" *J. Org. Chem.* **1979**, *44*, 218-221.
33. Snider, B. B.; Roush, D. M. "Aluminum Chloride Catalyzed Reactions of Methyl Chloropropionate with Unactivated Alkenes" *J. Am. Chem. Soc.* **1979**, *101*, 1906-1907.
34. Snider, B. B.; Rodini, D. J.; Conn, R. S. E.; Sealfon, S. "Lewis Acid Catalyzed Reactions of Methyl Propionate with Unactivated Alkenes" *J. Am. Chem. Soc.* **1979**, *101*, 5283-5293.
35. Snider, B. B.; Roush, D. M. "Lewis Acid Induced Cyclizations of Ethylenetricarboxylates" *J. Org. Chem.* **1979**, *44*, 4229-4232.
36. Snider, B. B.; Conn, R. S. E.; Karras, M. "Nickel-Catalyzed Carbometalation of Functionalized Silylalkynes by Grignard Reagents" *Tetrahedron Lett.* **1979**, 1679-1682.
37. Snider, B. B.; Van Straten, J. W. "Stereochemistry of Ene Reactions of Glyoxylate Esters" *J. Org. Chem.* **1979**, *44*, 3567-3571.
38. Snider, B. B.; Roush, D. M.; Killinger, T. A. "Intramolecular Reactions of 1-Allylic 2,2-Dimethyl Ethylenetricarboxylates" *J. Am. Chem. Soc.* **1979**, *101*, 6023-6027.
39. Snider, B. B.; Karras, M. "Stereocontrolled Carbometalation of Alkynylsilanes" *J. Organomet. Chem.* **1979**, *179*, C37-C41.
40. Snider, B. B.; Duncia, J. V. "Intramolecular Diels-Alder and Ene Reactions of 2,6-Dimethyl-2,7-octadienal" *J. Org. Chem.* **1980**, *45*, 3461-3464.
41. Snider, B. B.; Rodini, D. J.; Van Straten, J. "Lewis Acid Induced Conjugate Addition of Alkenes to α,β -Unsaturated Ketones or Aldehydes" *J. Am. Chem. Soc.* **1980**, *102*, 5872-5280.
42. Snider, B. B.; Roush, D. M.; Rodini, D. J.; Gonzalez, D.; Spindell, D. "Lewis Acid Catalyzed Reactions of Acetylenic Esters with Alkenes. Stereochemistry and Regiochemistry" *J. Org. Chem.* **1980**, *45*, 2773-2785.

43. Snider, B. B. "Diels-Alder Reactions of 2-Acetyl-2-cyclohexenone with Enol Ethers and Enamines" *Tetrahedron Lett.* **1980**, *21*, 1133-1136.
44. Snider, B. B.; Duncia, J. V. "Stereoselective and Regioselective Ene Reactions of Methyl α -Chloroacrylate" *J. Am. Chem. Soc.* **1980**, *102*, 5926-5928.
45. Snider, B. B.; Rodini, D. J. "Dialkylaluminum Chloride-Catalyzed Ene Reactions of Aldehydes. Synthesis of Ipsenol" *Tetrahedron Lett.* **1980**, *21*, 1815-1818.
46. Rodini, David J.; Snider, B. B. "Dimethylaluminum Halide Induced Reactions of Formaldehyde with Alkynes. Synthesis of α -Allenic Alcohols and *Z*-3-Chloroallylic Alcohols" *Tetrahedron Lett.* **1980**, *21*, 3857-3860.
47. Snider, B. B.; Spindell, D. K. "Lewis Acid Catalyzed [2 + 2] Cycloaddition of Methyl 2,3-Butadienoate to Alkenes" *J. Org. Chem.* **1980**, *45*, 5017-5020.
48. Snider, B. B.; Kirk, T. C.; Roush, D. M.; Gonzalez, D. "Lewis Acid Catalyzed Ene Reactions of Ethynyl *p*-Tolyl Sulfone" *J. Org. Chem.* **1980**, *45*, 5015-5017.
49. Snider, B. B. "Lewis-Acid Catalyzed Ene Reactions" *Acc. Chem. Res.* **1980**, *13*, 426-432.
50. Karras, M.; Snider, B. B. "Alkylaluminum Chloride Induced Cyclization of Unsaturated Carbonyl Compounds" *J. Am. Chem. Soc.* **1980**, *102*, 7951-7953.
51. Snider, B. B.; Phillips, G. B. "Dimethylaluminum Chloride Catalyzed Reactions of Methyl α -Cyanoacrylate with Alkenes" *J. Org. Chem.* **1981**, *46*, 2563-2566.
52. Batcho, A. D.; Berger, D. E.; Uskokovic, M. R.; Snider, B. B. "C-20 Stereospecific Introduction of a Steroid Side Chain" *J. Am. Chem. Soc.* **1981**, *103*, 1293-1295.
53. Snider, B. B. "Synthesis of Allylic Sulfoxides from Alkenes by Dichloroethylaluminum Catalyzed Ene Reaction with *p*-Toluenesulfinyl Chloride" *J. Org. Chem.* **1981**, *46*, 3155-3157.
54. Snider, B. B.; Duncia, J. V. "Stereospecific Syntheses of both Diastereomers of (\pm)-2-Amino-4-methyl-5-hexenoic Acid" *J. Org. Chem.* **1981**, *46*, 3223-3226.
55. Snider, B. B.; Rodini, D. J.; Karras, M.; Kirk, T. C.; Deutsch, E. A.; Cordova, R.; Price, R. T. "Alkylaluminum Halides. Lewis Acid Catalysts which are Brønsted Bases" *Tetrahedron* **1981**, *37*, 3927-3934.
56. Snider, B. B.; Rodini, D. J.; Kirk, T. C.; Cordova, R. "Dimethylaluminum Chloride Catalyzed Ene Reactions of Aldehydes" *J. Am. Chem. Soc.* **1982**, *104*, 555-553.
57. Snider, B. B.; Phillips, G. B. "Total Synthesis of (\pm)-Pseudomonic Acids A and C" *J. Am.*

Chem. Soc. **1982**, *104*, 1113-1114.

58. Duncia, J. V.; Lansbury, P. T., Jr.; Miller, T.; Snider, B. B. "Stereoselective and Regioselective Lewis Acid Catalyzed Ene Reactions of α -Substituted Acrylate Esters" *J. Am. Chem. Soc.* **1982**, *104*, 1930-1936.
59. Snider, B. B.; Deutsch, E. A. "Sequential Ene Reactions. A New Annulation Procedure" *J. Org. Chem.* **1982**, *47*, 745-747.
60. Deutsch, E. A.; Snider, B. B. "Synthesis of the Hexahydronaphthalene Moiety of (\pm)-Compactin (ML-236B)" *J. Org. Chem.* **1982**, *47*, 2682-2684.
61. Snider, B. B.; Cordova, R.; Price, R. T. "Reactions of the Formaldehyde-Trimethylaluminum Complex with Alkenes" *J. Org. Chem.* **1982**, *47*, 3643-3646.
62. Snider, B. B.; Karras, M.; Price, R. T.; Rodini, D. J. "Alkylaluminum Halide Induced Cyclization of Unsaturated Carbonyl Compounds" *J. Org. Chem.* **1982**, *47*, 4538-4545.
63. Snider, B. B.; Karras, M. "Silicon-Substituted Cyclopropylcarbinyl Cations" *J. Org. Chem.* **1982**, *47*, 4588-4589.
64. Snider, B. B.; Jackson, A. C. "Use of Ethylaluminum Dichloride as a Catalyst for the Friedel-Crafts Acylation of Alkenes" *J. Org. Chem.* **1982**, *47*, 5393-5395.
65. Snider, B. B.; Phillips, G. B. "Ethylaluminum Dichloride Catalyzed Ene Reactions of Aldehydes with Nonnucleophilic Alkenes" *J. Org. Chem.* **1983**, *48*, 464-469.
66. Snider, B. B.; Kirk, T. C. "A New Route to Functionalized *trans*-Hydrindenones" *J. Am. Chem. Soc.* **1983**, *105*, 2364-2368.
67. Snider, B. B.; Deutsch, E. A. "Sequential Ene Reactions. A New Annulation Procedure" *J. Org. Chem.* **1983**, *48*, 1822-1829.
68. Snider, B. B.; Jackson, A. C. "Synthesis of the Aryltetralin Lignan Skeleton via the Prins Reaction" *J. Org. Chem.* **1983**, *48*, 1471-1474.
69. Snider, B. B.; Phillips, G. B. "Reaction of Enol Ethers with Formaldehyde and Organoaluminum Compounds" *J. Org. Chem.* **1983**, *48*, 2789-2792.
70. Snider, B. B.; Faith, W. C. "The Total Synthesis of (\pm)-Ptilocaulin" *Tetrahedron Lett.* **1983**, *24*, 861-864.
71. Snider, B. B.; Phillips, G. B.; Cordova, R. "Formal Total Synthesis of (\pm)-Pseudomonic Acids A and C. The Quasi-Intramolecular Lewis Acid Catalyzed Diels-Alder Reaction" *J. Org. Chem.* **1983**, *48*, 3003-3010.

72. Deutsch, E. A.; Snider, B. B. "Synthesis of the Hexahydronaphthalene Moiety of (+)-Mevinolin" *Tetrahedron Lett.* **1983**, *24*, 3701-3704.
73. Snider, B. B.; Burbaum, B. W. "Intramolecular Diels-Alder Reactions of Alkenylallenes. A Model Study for the Bottom Half of Chlorothricolide" *J. Org. Chem.* **1983**, *48*, 4370-4374.
74. Snider, B. B.; Phillips, G. B. "Ene Reactions of 2-Phosphonoacrylates" *J. Org. Chem.* **1983**, *48*, 3685-3689.
75. Snider, B. B.; Phillips, G. B. "[1,2]-Intramolecular Ene Reactions" *J. Org. Chem.* **1984**, *49*, 183-185
76. Snider, B. B.; Cartaya-Marin, C. P. "A New Method for Cyclopentanone Annulation" *J. Org. Chem.* **1984**, *49*, 153-157.
77. Snider, B. B.; Faith, W. C. "Total Synthesis of (\pm)- and (-)-Ptilocaulin" *J. Am. Chem. Soc.* **1984**, *106*, 1443-1445.
78. Cartaya-Marin, C. P.; Jackson, A. C.; Snider, B. B. "Dimethylaluminum Chloride Catalyzed Ene Reactions of Aldehydes. 2. Stereochemistry and Scope" *J. Org. Chem.* **1984**, *49*, 2443-2446.
79. Snider, B. B.; Cartaya-Marin, C. P. "Total Synthesis of (\pm)-Nitramine. Development of a Ketene Equivalent in the Ene Reaction" *J. Org. Chem.* **1984**, *49*, 1688-1691.
80. Conn, R. S. E.; Karras, M.; Snider, B. B. "Nickel-Catalyzed Addition of Methylmagnesium Bromide to Alkynylsilanes. Stereospecific Synthesis of Tetrasubstituted Alkenes" *Isr. J. Chem.* **1984**, *24*, 108-112.
81. Jackson, A. C.; Goldman, B. E.; Snider, B. B. "Intramolecular and Intermolecular Lewis Acid Catalyzed Ene Reactions Using Ketones as Enophiles" *J. Org. Chem.* **1984**, *49*, 3988-3994.
82. Cordova, R.; Snider, B. B. "A Synthetic Approach to Actinobolin. Total Synthesis of (\pm)-Ramulosin" *Tetrahedron Lett.* **1984**, *25*, 2945-2948.
83. Snider, B. B.; Hui, R. A. H. F.; Kulkarni, Y. S. "Intramolecular [2 + 2] Cycloadditions of Ketenes" *J. Am. Chem. Soc.* **1985**, *107*, 2194-2196.
84. Faith, W. C.; Booth, C. A.; Foxman, B. M.; Snider, B. B. "An Approach to the Synthesis of Neplanocin" *A. J. Org. Chem.* **1985**, *50*, 1983-1985.
85. Kulkarni, Y. S.; Snider, B. B. "Intramolecular [2 + 2] Cycloadditions of Ketenes. 2. Synthesis of Chrysanthenone, β -Pinene, β -*cis*-Bergamotene, and β -*trans*-Bergamotene" *J. Org. Chem.* **1985**, *50*, 2809-2810.

86. Snider, B. B.; Mohan, R.; Kates, S. A. "Manganese(III)-Based Oxidative Free-Radical Cyclization. Synthesis of (\pm)-Podocarpic Acid" *J. Org. Chem.* **1985**, *50*, 3659-3661.
87. Snider, B. B.; Johnston, M. I. "Regioselectivity of the Halolactonization of γ,δ -Unsaturated Acids" *Tetrahedron Lett.* **1985**, *26*, 5497-5500.
88. Kulkarni, Y. S.; Burbaum, B. W.; Snider, B. B. "Intramolecular [2 + 2] Cycloaddition Reactions of Vinylketenes. Stereo- and Regiospecific Preparation of Vinylketenes from α,β -Unsaturated Acid Chlorides" *Tetrahedron Lett.* **1985**, *26*, 5619-5622.
89. Snider, B. B.; Kulkarni, Y. S. "Simple Syntheses of (\pm)- β -Copaene, (\pm)- β -Ylangene and Lemnalol" *Tetrahedron Lett.* **1985**, *26*, 5675-5676.
90. Snider, B. B.; Hui, R. A. H. F. "Intramolecular [2 + 2] Cycloadditions of Alkoxyketenes and Alkoxyketeniminium Salts" *J. Org. Chem.* **1985**, *50*, 5167-5176.
91. Snider, B. B.; Ron, E. "The Mechanism of Lewis Acid Catalyzed Ene Reactions" *J. Am. Chem. Soc.* **1985**, *107*, 8160-8164.
92. Kulkarni, Y. S.; Snider, B. B. "A Synthetic Approach to the AB-Ring System of Forskolol" *Org. Prep. Proc. Int.* **1986**, *18*, 7-15
93. Snider, B. B.; Goldman, B. E. "Sequential Ene Reactions. II. Synthesis of Bicyclic Adducts with Angular Methyl Groups. In situ Oppenauer Oxidation" *Tetrahedron* **1986**, *42*, 2951-2956.
94. Snider, B. B.; Ron, E. "Lewis Acid Catalyzed Inter- and Intramolecular [2 + 2] Cycloadditions of Conjugated Allenic Esters to Alkenes" *J. Org. Chem.* **1986**, *51*, 3643-3652.
95. Snider, B. B.; Burbaum, B. W. "Lewis Acid-Induced Asymmetric Prins Reactions of Chiral Acetals with Alkenes" *Synth. Commun.* **1986**, *16*, 1451-1460.
96. Beal, R. B.; Dombroski, M. A.; Snider, B. B. "EtAlCl₂-Catalyzed Reactions of Alkenes with Electrophilic Cyclopropanes. A New Cyclopentane Annelation Reaction" *J. Org. Chem.* **1986**, *51*, 4391-4399.
97. Snider, B. B.; Mohan, R.; Kates, S. A. "Manganese(III) Based Oxidative Free Radical Cyclizations. 2. Polycyclization Reactions Proceeding Through Tertiary Cations" *Tetrahedron Lett.* **1987**, *28*, 841-844.
98. Mohan, R.; Kates, S. A.; Dombroski, M. A.; Snider, B. B. "Manganese(III) Based Oxidative Free Radical Cyclization. 3. Polycyclization Reactions Proceeding Through Secondary Radicals" *Tetrahedron Lett.* **1987**, *28*, 845-848.

99. Snider, B. B.; Kulkarni, Y. S. "Preparation of Unsaturated α -Chloro Acids and Intramolecular [2 + 2] Cycloadditions of the Chloroketenes Derived from Them" *J. Org. Chem.* **1987**, *52*, 307-310.
100. Kulkarni, Y. S.; Niwa, M.; Ron, E.; Snider, B. B. "Synthesis of Terpenes Containing the Bicyclo[3.1.1]heptane Ring System by the Intramolecular [2 + 2] Cycloaddition Reaction of Vinylketenes with Alkenes. Preparation of Chrysanthenone, β -Pinene, β -*cis*-Bergamotene, β -*trans*-Bergamotene, β -Copaene, and β -Ylangene and Lemnalol" *J. Org. Chem.* **1987**, *52*, 1568-1576.
101. Snider, B. B.; Ron, E.; Burbaum, B. W. "Type II Intramolecular [2 + 2]-Cycloaddition of Alkenes with Vinylketenes Prepared by the Regiospecific Deprotonation of β,β -Disubstituted α,β -Unsaturated Acid Chlorides" *J. Org. Chem.* **1987**, *52*, 5413-5419.
102. Johnston, M. I.; Kwass, J. A.; Beal, R. B.; Snider, B. B. "Stereochemical Studies of Type-II Intramolecular Ene Reactions of δ,ϵ -Unsaturated Aldehydes" *J. Org. Chem.* **1987**, *52*, 5419-5424.
103. Snider, B. B.; Dombroski, M. A. "Manganese(III)-Based Oxidative Free Radical Cyclizations. 5. Termination of Polycyclization by Oxidative β -Hydride Elimination" *J. Org. Chem.* **1987**, *52*, 5487-5489.
104. Snider, B. B.; Johnston, M. I. "Synthesis of Deoxytabtoxinine- β -lactam" *Synth. Commun.* **1987**, *17*, 1877-1886.
105. Snider, B. B.; Patricia, J. J.; Kates, S. A. "Mechanism of Manganese(III)-Based Oxidation of β -Keto Esters" *J. Org. Chem.* **1988**, *53*, 2137-2143.
106. Lee, S. Y.; Niwa, M.; Snider, B. B. "Type II intramolecular [2 + 2] Cycloadditions of Alkenes with Alkylvinylketenes. Synthesis of Methyl Jasmonate" *J. Org. Chem.* **1988**, *53*, 2356-2360.
107. Lee, S. Y.; Kulkarni, Y. S.; Burbaum, B. W.; Johnston, M. I.; Snider, B. B. "Type I Intramolecular Cycloadditions of Vinylketenes" *J. Org. Chem.* **1988**, *53*, 1848-1855.
108. Snider, B. B.; Allentoff, A. J.; Kulkarni, Y. S. "Type III Intramolecular [2 + 2] Cycloadditions of Vinylketenes" *J. Org. Chem.* **1988**, *53*, 5320-5328.
109. Snider, B. B. "Intramolecular Cycloaddition Reactions of Ketenes and Keteniminium Salts with Alkenes" *Chem. Rev.* **1988**, *88*, 793-811.
110. Merritt, J. E.; Sasson, M.; Kates, S. A.; Snider, B. B. "Formation of Seven- and Eight-Membered Rings by Manganese(III)-Based Oxidative Free Radical Cyclization" *Tetrahedron Lett.* **1988**, *29*, 5209-5412.
111. Snider, B. B.; Niwa, M. "Intramolecular Cycloadditions of Arylketenes with Alkenes.

- Reaction of 5-Arylbicyclo[3.2.0]heptan-6-ones" *Tetrahedron Lett.* **1988**, *29*, 3175-3178.
112. Snider, B. B.; Beal, R. B. "Total Synthesis of Sesquiterpenes via Intramolecular Ketene Cycloadditions. Isocomene, α -*cis*- and α -*trans*-bergamotenes. An Approach to Seychellene" *J. Org. Chem.* **1988**, *53*, 4508-4515.
 113. Snider, B. B. ; Patricia, J. J. "Manganese(III)-Based Oxidative Free-Radical Cyclizations. Oxidative Cyclization and Aromatization of 3-Oxo-6-heptenoate Esters" *J. Org. Chem.* **1989**, *54*, 38-46.
 114. Snider, B. B.; Walner, M. "Preparation of Unsaturated α,α -Dichloro Acid Chlorides and Intramolecular [2 + 2] Cycloadditions of the α -Chloro Ketenes Reductively Generated from them. Effect of Double Bond Geometry on the Cycloaddition" *Tetrahedron* **1989**, *45*, 3171-3182.
 115. Ruben, R. L.; Snider, B. B.; Hobbs, F. W., Jr.; Confalone, P. N.; Dusak, B. A. "Cytotoxicity of Synthetic Racemic Ptilocaulin: A Novel Cyclic Guanidine" *Invest. New Drugs* **1989**, *7*, 147-154.
 116. Snider, B. B. "Alkylaluminum Halide Induced Reactions of Carbonyl Compounds with Unactivated Alkenes" NATO ASI Ser., Ser. C **1989**, 289 (Selectivities in Lewis Acid Promoted Reactions), 147-67.
 117. Snider, B. B.; Ke, Y. "Synthesis of (-)-Reiswigin A. Assignment of Absolute and Relative Configuration" *Tetrahedron Lett.* **1989**, *30*, 2465-2468.
 118. Snider, B. B.; Buckman, B. O. "Manganese(III) Based Oxidative Free-Radical Annulations" *Tetrahedron* **1989**, *45*, 6969-6978.
 119. Kates, S. A.; Dombroski, M. A.; Snider, B. B. "Manganese(III)-Based Oxidative Free-Radical Cyclization of Unsaturated β -Keto Esters, 1,3-Diketones, and Malonate Diesters" *J. Org. Chem.* **1990**, *55*, 2427-2436.
 120. Dombroski, M. A.; Kates, S. A.; Snider, B. B. "Manganese(III)-Based Oxidative Free-Radical Tandem and Triple Cyclizations" *J. Am. Chem. Soc.* **1990**, *112*, 2759-2767.
 121. Snider, B. B.; Kwon, T. "Preparation of Epoxides by Oxidative Decarboxylation of β -Hydroxy Acids. Stereo- and Regiochemistry of Oxidative Elimination of Secondary Radicals with Cupric Acetate" *J. Org. Chem.* **1990**, *55*, 1965-1968.
 122. Snider, B. B.; Yang, K. "Stereo- and Enantiospecific Syntheses of (-)-Reiswigins A and B. Assignment of Absolute and Relative Configuration" *J. Org. Chem.* **1990**, *55*, 4392-4399.
 123. Snider, B. B.; Kwon, T. "Oxidative Cyclization of δ,ϵ - and ϵ,ζ -Unsaturated Enol Silyl Ethers" *J. Org. Chem.* **1990**, *55*, 4786-4788.

124. Snider, B. B.; Shi, Z. "Synthesis of Antitumor Cyclic Peroxy Ketals Related to Chondrillin and Xestins A and B" *J. Org. Chem.* **1990**, *55*, 5669-5671.
125. Snider, B. B.; Allentoff, A. J.; Walner, M. B. "Intramolecular [2 + 2] Cycloadditions of Dialkylketenes with Alkenes. Regiochemistry of Intramolecular [2 + 2] Cycloadditions of Ketenes with Alkenes" *Tetrahedron* **1990**, *46*, 8031-8042.
126. Snider, B. B.; Wan, B. Y. F.; Buckman, B. O.; Foxman, B. M. "Manganese(III)-Based Asymmetric Oxidative Free-Radical Cyclization of Unsaturated β -Keto Sulfoxides" *J. Org. Chem.* **1991**, *56*, 328-334.
127. Snider, B. B.; Allentoff, A. J. "Synthesis of the Bicyclo[5.3.1]undecane Moiety (AB Ring System) of Taxanes" *J. Org. Chem.* **1991**, *56*, 321-328.
128. Diaz de Delgado, G. C.; Wheeler, K. A.; Snider, B. B.; Foxman, B. M. "Stereospecific, γ -Radiation-Induced Trimerization of Crystalline Sodium *trans*-2-Butenoate" *Angew. Chem., Int. Ed. Engl.* **1991**, *30*, 420-422.
129. Curran, D. P.; Morgan, T. M.; Schwartz, C. E.; Snider, B. B.; Dombroski, M. A. "Cyclizations of Unsaturated \bullet CR(COX)₂ Radicals. Manganese(III) Acetate Oxidative Cyclizations of Unsaturated Acetoacetates and Atom-Transfer Cyclizations of Unsaturated Haloacetoacetates Give the Same Radicals" *J. Am. Chem. Soc.* **1991**, *113*, 6607-6617.
130. Snider, B. B.; Zhang, Q. "Lewis Acid Catalyzed Ene Reactions of α,β -Unsaturated *N*-Acyloxazolidinones" *J. Org. Chem.* **1991**, *56*, 4908-4913.
131. Snider, B. B.; Merritt, J. E. "Formation of Seven- and Eight-Membered Rings by Manganese(III)-Based Oxidative Free-Radical Cyclization" *Tetrahedron* **1991**, *47*, 8663-8678.
132. Snider, B. B. "Ene Reactions with Alkenes as Enophiles" in *Comprehensive Organic Chemistry, Vol. 5*, B. M. Trost, Editor-in-Chief: Pergamon, Oxford, 1991, pp 1-27.
133. Snider, B. B. "Prins and Carbonyl Ene Reactions" in *Comprehensive Organic Chemistry, Vol. 2*, B. M. Trost, Editor-in-Chief: Pergamon, Oxford, 1991, pp 527-561.
134. Snider, B. B.; Merritt, J. E.; Dombroski, M. A.; Buckman, B. O. "Solvent Effects on Manganese(III)-Based Oxidative Free-Radical Cyclizations: Ethanol and Acetic Acid" *J. Org. Chem.* **1991**, *55*, 5544-5553.
135. Snider, B. B. "Carbofunctionalization of Alkenes" *Chemtracts: Org. Chem.* **1991**, *4*, 403-419.
136. Snider, B. B.; Buckman, B. O. "Termination of Manganese(III)-Based Oxidative Free-

- Radical Cyclizations by Addition to Nitriles. Formation of Cyclopentanones and Cyclohexanones" *J. Org. Chem.* **1992**, *57*, 322-326.
137. Snider, B. B.; Shi, Z. "Total Synthesis of (±)-Chondrillin, (±)-Plakorin, and Related Peroxy Ketals. Development of a General Route to 3,6-Dihydro-1,2-dioxin-3-ols" *J. Am. Chem. Soc.* **1992**, *114*, 1790-1800.
 138. Dombroski, M. A.; Snider, B. B. "Manganese(III)-Based Oxidative Free-Radical Cyclizations of γ,γ -Bis(allylic) Acetoacetates" *Tetrahedron* **1992**, *48*, 1417-1426.
 139. Snider, B. B. "Intramolecular Cycloadditions of Ketenes and Ketenimium Salts with Alkenes" in *Advances in Strain in Organic Chemistry, Vol. 2*, B. Halton, Editor; JAI Press, London, **1992**, pp 95-142.
 140. Snider, B. B.; Kwon, T. "Oxidative Cyclization of δ,ϵ - and ϵ,ζ -Unsaturated Enol Silyl Ethers and Unsaturated Siloxycyclopropanes" *J. Org. Chem.* **1992**, *57*, 2399-2410.
 141. Snider, B. B.; Yang, K. "A Short Enantiospecific Synthesis of the Ceroplastin Nucleus" *J. Org. Chem.* **1992**, *57*, 3615-3626.
 142. Snider, B. B.; Shi, Z. "Biomimetic Synthesis of the Bicyclic Guanidine Moieties of Crambines A and B" *J. Org. Chem.* **1992**, *57*, 2526-2568.
 143. Snider, B. B.; Zhang, Q.; Dombroski, M. A. "Control of the Regioselectivity of Oxidative Free-Radical Cyclizations by Addition to Haloalkenes" *J. Org. Chem.* **1992**, *57*, 4195-2405.
 144. Snider, B. B.; Buckman, B. O. "Total Synthesis of (±)-Velloziolone" *J. Org. Chem.* **1992**, *57*, 4883-4888.
 145. Snider, B. B.; Zhang, Q. "Asymmetric Induction in Manganese(III)-Based Oxidative Free-Radical Cyclizations of Chiral Esters and Amides" *Tetrahedron Lett.* **1992**, *33*, 5921-5924.
 146. Snider, B. B.; Armanetti, L.; Baggio, R. "Oxidative Free-Radical Cyclization of Dimethyl (4*E*,8-Nonadien-1-yl)malonate and Ethyl (4*E*,8-Nonadien-1-yl)cianoacetate" *Tetrahedron Lett.* **1993**, *34*, 1701-1704.
 147. Snider, B. B.; Zhang, Q. "Synthesis of (±)-Okicenone and (±)-Aloesaponol III" *J. Org. Chem.* **1993**, *58*, 3185-3187.
 148. Snider, B. B.; Shi, Z. "Biomimetic Synthesis of the Central Tricyclic Portion of Ptilomycalin A" *Tetrahedron Lett.* **1993**, *34*, 2099-2102.
 149. Snider, B. B.; Shi, Z. "Biomimetic Synthesis of (±)-Crambines A, B, C1, and C2. Revision of the Structure of Crambines B and C1" *J. Org. Chem.* **1993**, *58*, 3828-3839.

150. Snider, B. B.; McCarthy, B. A. "Oxidative Free-Radical Cyclization of Allylic α -Chloromalonates. Synthesis of (\pm)-Avenaciolide" *Tetrahedron* **1993**, *49*, 9447-9452.
151. Snider, B. B.; McCarthy, B. A. "Ligand, Solvent, and Deuterium Isotope Effects in Mn(III)-Based Oxidative Free-Radical Cyclizations" *J. Org. Chem.* **1993**, *58*, 6217-6223.
152. Snider, B. B.; Vo, N. H.; Foxman, B. M. "Manganese(III)-Based Oxidative Fragmentation-Cyclization Reactions of Unsaturated Cyclobutanols" *J. Org. Chem.* **1993**, *58*, 7228-7237.
153. Zhang, Q.; Mohan, R. M.; Cook, L.; Kazanis, S.; Peisach, D.; Foxman, B. M.; Snider, B. B. "Asymmetric Induction in Manganese(III)-Based Oxidative Free-Radical Cyclizations of Phenylmenthyl Acetoacetates and 2,5-Dimethylpyrrolidine Acetoacetamides" *J. Org. Chem.* **1993**, *58*, 7640-7651.
154. Snider, B. B.; Lu, Q. "A Two-Step Synthesis of Pyridoxatin Analogs" *Tetrahedron Lett.* **1994**, *35*, 531-534.
155. Snider, B. B.; Shi, Z. "Biomimetic Synthesis of the Pentacyclic Nucleus of Ptilomycalin A" *J. Am. Chem. Soc.* **1994**, *116*, 549-557.
156. Snider, B. B.; Harvey, T. C. "Conversion of a 2,5,7-Nonatrien-4-one to a Bicyclo[4.2.0]octenone by a Series of Electrocyclic Reactions" *J. Org. Chem.* **1994**, *59*, 504-506.
157. Snider, B. B.; Shi, Z.; O'Neil, S. V.; Kreutter, K. D.; Arakaki, T. L. "Stereochemical Dependence of Base-Catalyzed Cleavage of Cyclic Peroxy Ketals" *J. Org. Chem.* **1994**, *59*, 1726-1729.
158. Vo, N. H.; Snider, B. B. "Total Synthesis of (-)-Silphiperfol-6-ene and (-)-Methyl Cantabradienate" *J. Org. Chem.* **1994**, *59*, 5419-5423.
159. Snider, B. B.; Lu, Q. "Total Synthesis of (\pm)-Pyridoxatin" *J. Org. Chem.* **1994**, *59*, 8065-8070.
160. Snider, B. B.; McCarthy, B. A. "Mn(III)-Mediated Electrochemical Oxidative Free-Radical Cyclizations" in *Benign by Design, Alternative Synthetic Design for Pollution Prevention, ACS Symposium Series 577*, Editors, P. A. Anastas and C. A. Ferris, American Chemical Society, Washington, D. C. **1994**, pp 84-97.
161. Snider, B. B.; O'Neil, S. "Synthesis of (-)-Acetylsaturejol and (+)-Isoacetylsaturejol" *Synth. Commun.* **1995**, *25*, 1085-1091.
162. Snider, B. B.; Harvey, T. C. "Synthesis of a Bicyclic Model for the Marine Hepatotoxin Cylindrospermopsin" *Tetrahedron Lett.* **1995**, *36*, 4587-4590.

163. Snider, B. B.; Cole, B. M. "Mn(III)-Based Oxidative Free Radical Cyclization of Unsaturated Ketones" *J. Org. Chem.* **1995**, *60*, 5376-5377.
164. Snider, B. B.; Han, L. "Formation of 2,2-Dichloro-1-Tetralones by Oxidative Free-Radical Annulation" *Synth. Commun.* **1995**, *25*, 2337-2347.
165. Snider, B. B. "Thermal [2 + 2] Cycloadditions" in *Methoden der Organische Chemie (Houben-Weyl) Vol. E21C*; Georg Thieme Verlag, Stuttgart, **1995**, Chapter 1.6.1.3.
166. Snider, B. B.; O'Neil, S. V. "Formal Synthesis of (±)-Upial. Oxidative Free-Radical Cyclization of Unsaturated 1,3-Cyclohexanediones" *Tetrahedron* **1995**, *51*, 12983-12994.
167. Snider, B. B.; Lu, Q. "Total Synthesis of (±)-Leporin A" *J. Org. Chem.* **1996**, *61*, 2839-2844.
168. Snider, B. B.; Kiselgof, E. Y. "Mn(III)-Based Oxidative Free Radical Cyclizations of Unsaturated 2-Cyclohexenones and Aldehydes" *Tetrahedron* **1996**, *52*, 6073-6084.
169. Snider, B. B. "Manganese(III)-Based Oxidative Free-Radical Cyclizations" *Chem. Rev. (Washington, D. C.)* **1996**, *96*, 339-363.
170. Snider, B. B.; Vo, N. H.; O'Neil, S. V.; Foxman, B. M. "Synthesis of (±)-Allocyathin B2 and (+)-Erinacine A" *J. Am. Chem. Soc.* **1996**, *118*, 7644-7645.
171. Snider, B. B.; Chen, J. "Synthesis of the Tricyclic Portions of Batzelladines A, B and D. Revision of the Stereochemistry of Batzelladines A and D" *Tetrahedron Lett.* **1996**, *37*, 6977-6980.
172. Cole, B. M.; Han, L.; Snider, B. B. "Mn(III)-Based Oxidative Free-Radical Cyclizations of Unsaturated Ketones" *J. Org. Chem.* **1996**, *61*, 7832-7847.
173. Cho, T. H.; Chaudhuri, B.; Snider, B. B.; Foxman, B. M. "Stereospecific γ -Ray-Induced Dimerization of Crystalline Bis(trans-butenoato)calcium" *Chem. Commun.* **1996**, 1337-1338.
174. He, F.; Snider, B. B. "Total Synthesis of (+)-Fumiquinazoline G and (+)-Dehydrofumiquinazoline G" *Synlett* **1997**, 483-484.
175. Snider, B. B.; He, F. "Total Synthesis of (±)-Rhopaloic acid A" *Tetrahedron Lett.* **1997**, *38*, 5453-5454.
176. Snider, B. B.; Lu, Q. "Syntheses of (±)-Raikovenal, (±)-Preraikovenal, and (±)-Epiraikovenal" *Synth. Commun.* **1997**, *27*, 1583-1600.
177. O'Neil, S. V.; Quickley, C. A.; Snider, B. B. "Synthesis of (±)-Gymnomitrol. Mn(OAc)₃-

- Initiated Free-Radical Cyclization of Alkynyl Ketones" *J. Org. Chem.* **1997**, *62*, 1970-1975.
178. Snider, B. B.; Liu, T. "Synthesis of (\pm)-Cylindricines A, D, and E" *J. Org. Chem.* **1997**, *62*, 5630-5633.
179. Snider, B. B.; Han, L.; Xie, C. "Synthesis of 2,3-Dihydrobenzofurans by Mn(OAc)₃-Based Oxidative Cycloaddition of 2-Cyclohexenones with Alkenes. Synthesis of (\pm)-Conocarpan" *J. Org. Chem.* **1997**, *62*, 6978-6984.
180. Yang, T.; Snider, B. B.; Oprian, D. D. "Synthesis and Characterization of a Novel Retinylamine Analog Inhibitor of Constitutively Active Rhodopsin Mutants Found in Patients with Autosomal Dominant Retinitis Pigmentosa" *Proc. Natl. Acad. Sci. U. S. A.* **1997**, *94*, 13559-13564.
181. Snider, B. B.; Lin, H. "An Improved Procedure for the Conversion of Alkenes and Glycols to 1,2-Diazides Using Mn(OAc)₃•2H₂O in Acetonitrile Containing Trifluoroacetic Acid" *Synth. Commun.* **1998**, *28*, 1913-1922.
182. Snider, B. B.; Vo, N. H.; O'Neil, S. V. "Synthesis of (\pm)-Alloocyathin B2 and (+)-Erinacine A" *J. Org. Chem.* **1998**, *63*, 4732-4740.
183. He, F.; Foxman, B. M.; Snider, B. B. "Total Syntheses of (-)-Asperlicin and (-)-Asperlicin C" *J. Am. Chem. Soc.* **1998**, *120*, 6417-6418.
184. Snider, B. B.; Chen, J. "Synthesis of Batzelladine E and its E Isomer" *Tetrahedron Lett.* **1998**, *39*, 5697-5700.
185. Snider, B. B.; Kiselgof, J. Y. "Mn(III)-Based Oxidative Free-Radical 6-*endo* Cyclizations of Z-Trisubstituted Alkenes" *Tetrahedron* **1998**, *54*, 10641-10648.
186. Snider, B. B.; Lin, H.; Foxman, B. M. "Synthesis of Desmethylamino FR901483" *J. Org. Chem.* **1998**, *63*, 6442-6443.
187. Snider, B. B.; Xie, C. "Model Studies for the Synthesis of the Marine Hepatotoxin Cylindrospermopsin. Preparation of a Bicyclic Guanidine with the Hydroxymethyluracil Side Chain" *Tetrahedron Lett.* **1998**, *39*, 7021-7024.
188. Song, F.; Snook, J. H.; Foxman, B. M.; Snider, B. B. "Solid-State Photodimerization of 2-Phenylethenyl Enamides" *Tetrahedron* **1998**, *54*, 13035-13044
189. Snider, B. B. "Manganese(III)-Based Oxidative Free-Radical Cyclizations" in *Transition Metals for Organic Synthesis*. M. Beller, C. Bolm, Eds: Wiley-VCH; Weinheim, **1998**, volume 1, pp 439-446.
190. Vela, M. J.; Snider, B. B.; Foxman, B. M. "Solid-State Polymerization of Aquabis(3-

- butenoato)calcium” *Chem. Mater.* **1998**, *10*, 3167-3171
191. Snider, B. B.; Kiselgof, J. Y.; Foxman, B. M. “Total Syntheses of (±)-Isosteviol and (±)-Beyer-15-ene-3β,19-diol by Manganese(III)-Based Oxidative Quadruple Free-Radical Cyclization” *J. Org. Chem.* **1998**, *63*, 7945-7952.
 192. Snider, B. B.; Liu, T. “Total Synthesis of (±)-Deoxyphenostatins A” *J. Org. Chem.* **1999**, *64*, 1088-1089.
 193. He, F.; Snider, B. B. “Rearrangement of 4-Imino-4*H*-3,1-benzoxazines to 4-Quinazolinones via Amidine Carboxamides” *J. Org. Chem.* **1999**, *64*, 1397-1399.
 194. Snider, B. B.; Ahn, Y.; Foxman, B. M. “Synthesis of the Tricyclic Triamine Core of Martinelline and Martinellic Acid” *Tetrahedron Lett.* **1999**, *40*, 3339-3342.
 195. Snider, B. B.; Chen, Z. “Synthesis of (±)-Obtunone. A New Route to the Cadinane Skeleton” *Organic Prep. Proc. Intl.* **1999**, *31*, 537-541.
 196. Snider, B. B.; Busuyek, M. V. “Revision of the Stereochemistry of Batzelladine F. Approaches to the Tricyclic Hydroxyguanidine Moiety of Batzelladines G, H, and I” *J. Nat. Prod.* **1999**, *62*, 1707-1711.
 197. Snider, B. B.; Shi, B. “Syntheses of (*E*)- and (*Z*)-Volkendousin” *Tetrahedron* **1999**, *55*, 14823-14828.
 198. Snider, B. B.; Lin, H. “Total Synthesis of (-)-FR901483” *J. Am. Chem. Soc.* **1999**, *121*, 7778-7786.
 199. Snider, B. B.; Song, F.; Foxman, B. M. “Total Syntheses of (±)-Anchinopeptolide D and (±)-Cycloanchinopeptolide D” *J. Org. Chem.* **2000**, *65*, 793-800.
 200. Snider, B. B.; Song, F. “Synthesis of the *N*-((2*Z*,4*Z*)-heptadienamde Side Chain of Salicylihalamide A and Apicularens A and B” *Organic Letters*, **2000**, *2*, 407-408.
 201. Snider, B. B.; Hawryluk, N. A. “Synthesis of (-)-Dysiherbaine” *Organic Letters*, **2000**, *2*, 635-638.
 202. Snider, B. B.; Lin, H. “Biomimetic Total Syntheses of (-)-TAN1251A, (+)-TAN1251B, (+)-TAN1251C, and (+)-TAN1251D” *Organic Letters*, **2000**, *2*, 643-646.
 203. Xie, C.; Runnegar, M. T. C.; Snider, B. B. “Total Synthesis of (±)-Cylindrospermopsin” *J. Am. Chem. Soc.* **2000**, *122*, 5017-5024.
 204. Hawryluk, N. A.; Snider, B. B. “Alcohol Inversion Using Cesium Carboxylates and DMAP in Toluene” *J. Org. Chem.* **2000**, *65*, 8379-8380.

205. Vela, M. J.; Buchholz, V.; Enkelmann, V.; Snider, B. B.; Foxman, B. M. "Solid-state Polymerization of Bis(but-3-enato)zinc: the Generation of a Stereoregular Oligomer" *Chem. Commun.* **2000**, 2225-2226.
206. Snider, B. B.; Liu, T. "Total Synthesis of (\pm)-Deoxyphenostatin A. Approaches to the Synthesis of Penostatins A and B" *J. Org. Chem.* **2000**, *65*, 8490-8498.
207. Snider, B. B.; Zeng, H. "Total Synthesis of (-)-Fumiquinazolines A, B and I" *Org. Lett.* **2000**, *2*, 4103-4106.
208. Snider, B. B.; Shi, B.; Quickley, C. A. "Oxidative Cyclization of Unsaturated Ketene Dithioacetals with Ceric Ammonium Nitrate to Form Bicyclic Lactones" *Tetrahedron* **2000**, *56*, 10127-10132.
209. Snider, B. B.; Hawryluk, N. A. "Synthesis of the Hydroazulene Ring System of Guanacastepene" *Org. Lett.* **2001**, *3*, 569-572.
210. Snider, B. B.; Shi, B. "Synthesis of pyrinodemins A and B. Assignment of the double bond position of pyrinodemine A" *Tetrahedron Lett.* **2001**, *40*, 139-1642.
211. Snider, B. B. and Marina V. Busuyek, M. V. "Synthesis of Circumdatin F and Sclerotigenin. Use of the 2-Nitrobenzyl Group for Protection of a Diketopiperazine Amide; Synthesis of *ent*-Fumiquinazoline G" *Tetrahedron* **2001**, *57*, 3301-3307.
212. Snider, B. B.; Smith, R. B. "Total Synthesis of (\pm)-Fusaricide" *Synth. Commun.* **2001**, *31*, 2667-2679.
213. Snider, B. B. "Manganese(III)-Mediated Radical Reactions" in *Radicals in Organic Synthesis volume I*. Sibi, M and Renaud, P. Eds; Wiley: 2001, Chapter 2.3.
214. Snider, B. B.; O'Hare, S. M. "Synthesis of the hindered *N,N,N'*-trisubstituted guanidine moiety of martinelline and martinellie acid" *Tetrahedron Lett.* **2001**, *42*, 2455-2458.
215. Snider, B. B.; O'Hare, S. M. "Tandem Manganese(III)-Based Oxidative Free-Radical Cyclizations Terminated By Addition To Furans. Formal Synthesis Of 15-Acetoxypallescensin-A" *Synth. Commun.* **2001**, *31*, 3753-3758.
216. Snider, B. B.; Song, F. "Total Synthesis of (-)-Salicylihalamide A" *Org. Lett.* **2001**, *3*, 1817-1820.
217. Snider, B. B.; Gu, Y.-H. "Total Synthesis of (-)- and (+)-Dysibetaine" *Org. Lett.* **2001**, *3*, 1761-1763.
218. Snider, B. B.; Shi, B. "A Novel Extension of the Stork-Jung Vinylsilane Robinson Annelation Procedure for the Introduction of the Cyclohexene of Guanacastepene" *Tetrahedron Lett.* **2001**, *42*, 9123-9126.

219. Snider, B. B.; Ahn, Y.; O'Hare, S. "Total Synthesis of (\pm)-Martinelllic Acid" *Org. Lett.* **2001**, 3, 4217-4220.
220. Snider, B. B.; Smith, R. B. "Mn(III)-Based Oxidative Free-Radical Cyclizations of Alkenyl Meldrum's Acids" *Tetrahedron*, **2002**, 58, 25-34.
221. Snider, B. B.; Zeng, H. "Total Synthesis of (-)-Fumiquinazolines C, E and H" *Org. Lett.* **2002**, 4, 1087-1090.
222. Runnegar, M. T.; Xie, C.; Snider, B. B.; Wallace, G. A.; Weinreb, S. M.; Kuhlenkamp, J. "In Vitro Hepatotoxicity of the Cyanobacterial Alkaloid Cylindrospermopsin and Related Synthetic Analogues" *Toxicological Sciences*, **2002**, 67, 81-87.
223. Snider, B. B.; Che, Q. "Oxidative and Dehydrative Cyclizations of Nitroacetate Esters with Mn(OAc)₃" *Tetrahedron* **2002**, 58, 7821-7827.
224. Snider, B. B.; Zeng, H. "Total Syntheses of (-)-Fumiquinazolines A, B, C, E, H, and I. Approaches to the Synthesis of Fiscalin A." *J. Org. Chem.* **2003**, 68, 545-563.
225. Shi, B.; Hawryluk, N. A.; Snider, B. B. "Formal Synthesis of (\pm)-Guanacastepene" *J. Org. Chem.* **2003**, 68, 1030-1042.
226. Gao, X.; Nakadai, M.; Snider, B. B. "Synthesis of (-)-TAN-2483A. Revision of the Structures of and Syntheses of (\pm)-FD-211 (Waal A) and (\pm)-FD-212 (Waal B)" *Org. Lett.* **2003**, 5, 451-454.
227. Neubert, B. J.; Snider, B. B. "Synthesis of (\pm)-Phloeodictine A1" *Org. Lett.* **2003**, 5, 765-768.
228. Snider, B. B.; Duvall, J. R. "Synthesis of the 4-Methyl-1,2-oxazetidine-4-carboxylic Acid Moiety of the Originally Proposed Halipeptin A and B Structures" *Tetrahedron Lett.* **2003**, 44, 3067-3070.
229. Ghavami, A.; Sadalapure, K. S.; Johnston, B. D.; Lobera, M.; Snider, B. B.; Pinto, B. M. "Improved Syntheses of the Naturally Occurring Glycosidase Inhibitor Salacinol" *Synlett* **2003**, 1259-1262.
230. Snider, B. B.; Lobera, M.; Marien, T. P "Stereocontrol in the EtAlCl₂-Induced Cyclization of Chiral γ,δ -Unsaturated Methyl Ketones to Form Cyclopentanones" *J. Org. Chem.* **2003**, 68, 6451-6454.
231. Snider, B. B.; Zeng, H. "Amine-Induced Rearrangement Of 4-Imino-4*H*-3,1-Benzoxazines To 4-Quinazolinones Via Amidine Carboxamides" *Heterocycles* **2003**, 61, 173-182.

232. Snider, B. B.; Che, Q. "Oxidative Addition of Chloro- and Dichloroacetic Acid to Alkenes to Give α -Chloro- and α,α -Dichlorobutyrolactones with Manganese(III) Acetate" *Heterocycles* **2004**, *62*, 325-332.
233. Gu, Y.; Snider, B. B. "Synthesis of *ent*-Haterumalide NA (*ent*-Oocydin A) Methyl Ester" *Org. Lett.* **2003**, *5*, 4385-4388.
234. Gao, X.; Snider, B. B. "Syntheses of (-)-TAN-2483A, (-)-Massarilactone B, and the Fusidilactone B Ring System. Revision of the Structures of and Syntheses of (\pm)-Waal A (FD-211) and (\pm)-Waal B (FD-212)" *J. Org. Chem.* **2004**, *69*, 5517-5527.
235. Snider, B. B.; Duvall, J. R. "Termination of Mn(III)-Based Oxidative Cyclizations by Trapping with Azide" *Org. Lett.* **2004**, *6*, 1265-1268.
236. Snider, B. B. "Manganese(III)-Based Oxidative Free-Radical Cyclizations" in *Transition Metals for Organic Synthesis. Second Edition* M. Beller, C. Bolm, Eds: Wiley-VCH; Weinheim: 2004, Volume 1, pp 483-490.
237. Snider, B. B. "Total Synthesis of Cyindrospermopsin" in *Strategies and Tactics In Organic Synthesis, vol. 4*, M. Harmata, Ed: Elsevier, NY: 2004, pp 19-40.
238. Snider, B. B.; Lobera, M. "Synthesis of the tetracyclic core of the bisabosquals" *Tetrahedron Lett.* **2004**, *45*, 5015-5018.
239. Zhang, Y.; Heinsen, M. H.; Kostic, M.; Pagani, G. M.; Riera, T. V.; Perovic, I.; Hedrstom, L.; Snider, B. B.; Pochapsky, T. C. "Analogues of 1-phosphonoxy-2,2-dihydroxy-3-oxo-5-(methylthio)-pentane, an acyclic intermediate in the methionine salvage pathway: a new preparation and characterization of activity with E1 enolase/phosphatase from *Klebsiella oxytoca*" *Bioorg. Med. Chem.* **2004**, *12*, 3847-3855.
240. Snider, B. B.; Duvall, J. R.; Sattler, I.; Huang, X "Synthesis of a piperidone model compound and revision of the structures of jenamidines A to C" *Tetrahedron Lett.* **2004**, *45*, 6725-6727.
241. Snider, B. B.; Che, Q. "Synthesis of cladobotryal, CJ16,169 and CJ16,170" *Org. Lett.* **2004**, *6*, 2877-2880.
242. Snider, B. B.; Neubert, B. J. "A Novel Biomimetic Route to the 3-Acyl-5-hydroxy-3-pyrrolin-2-one and 3-Acyl-3,4-epoxy-5-hydroxy-pyrrolidin-2-one Ring Systems" *J. Org. Chem.* **2004**, *69*, 8952-8955.
243. Snider, B. B.; Zhou, J. "Synthesis of Lanopylin B₁" *J. Org. Chem.* **2005**, *70*, 1087-1088
244. Snider, B. B.; Grabowski, J. F. "Synthesis of (\pm)-cartorimine" *Tetrahedron Lett.* **2005**, *46*, 823-825.

245. Zou, Y.; Lobera, M.; Snider, B. B. "Synthesis of 2,3-Dihydro-3-hydroxy-2-hydroxylalkylbenzofurans from Epoxy Aldehydes. One-step Syntheses of Brosimacutin G, Vaginidiol, Vaginol, Smyrindiol, Xanthoarnol, and Avicenol A. Biomimetic Syntheses of Angelicin and Psoralen" *J. Org. Chem.* **2005**, *70*, 1761-1770.
246. Snider, B. B.; Neubert, B. J. "Syntheses of Ficusceptine, Juliprosine, and Juliprosopine by Biomimetic Intramolecular Chichibabin Pyridine Syntheses" *Org. Lett.* **2005**, *7*, 2715-2718.
247. Snider, B. B.; Book Review of *Modern Aldol Reactions*, Volumes 1 and 2 Edited by Rainer Mahrwald (Humboldt University, Berlin). Wiley-VCH Verlag GmbH & Co. KGaA: Weinheim, Germany. 2004. 699 pp. \$405.00. ISBN 3-527-30714-1. *J. Am. Chem. Soc.* **2005**, *107*, 10119-10120
248. Snider, B. B.; Gao, X. "Efficient Syntheses of Rugulosin Analogues" *J. Org. Chem.* **2005**, *70*, 6863-6869.
249. Snider, B. B.; Duvall, J. R. "Synthesis of Jenamidines A₁/A₂" *Org. Lett.* **2005**, *7*, 4519-4522.
250. Snider, B. B.; Gao, X. "Structure Revision and Syntheses of Epohelmins A and B" *Org. Lett.* **2005**, *7*, 4419-4422
251. Snider, B. B. Zou, Y. F. "Synthesis of the Carbocyclic Skeleton of Abyssomicins C and D" *Org. Lett.* **2005**, *7*, 4939-4941.
252. Snider, B. B. "Oxidative Free-Radical Cyclizations and Additions with Mono and β -Dicarbonyl Compounds" in *Handbook of C-H Transformations: Applications in Organic Synthesis*, G. Dyker, Ed: Wiley-VCH; Weinheim: 2005, Volume 2, pp 371-377.