

## Complete Sequential Listing - B.M. Trost Bibliography

1. *The Mannich Reaction with 2-Methylcyclopentanone and 2-Methylcyclohexanone*  
J. Org. Chem. **29** 1339 (1964)  
House, H.O.; Trost, B.M.
2. *The Chemistry of Carbanions. IX. The Potassium and Lithium Enolates Derived from Cyclic Ketones*  
J. Org. Chem. **30** 1341 (1965)  
House, H.O.; Trost, B.M.
3. *The Chemistry of Carbanions. X. The Selective Alkylation of Unsymmetrical Ketones*  
J. Org. Chem. **30** 2502 (1965)  
House, H.O.; Trost, B.M.
4. *By-Products of the Robinson Annulation Reaction with Cyclohexanone, Cyclopentanone, and Cyclopentane-1,2-dione*  
J. Org. Chem. **30** 2513 (1965)  
House, H.O.; Trost, B.M.; Magin, R.W.; Carlson, R.G.; Franck, R.W.;
5. *Preparation of Some Cyclopropanes and Stable Sulfoxonium Ylides from Dimethylsulfoxonium Methylide*  
J. Org. Chem. **30** 3972 (1965)  
Kaiser, C.; Trost, B.M.; Beeson, J.; Weinstock, J.
6. *The Chemistry of Carbanions. IX. Michael Reactions with 2-Methylcyclopentanone and 2-Methylcyclohexanone*  
J. Org. Chem. **31** 646 (1966)  
House, H.O.; Roleofs, W.L.; Trost, B.M.
7. *Pyraclquinone*  
J. Am. Chem. Soc. **88** 853 (1966)  
Trost, B.M.
8. *Decomposition of Sulfur Ylides. Evidence for Carbene Intermediates*  
J. Am. Chem. Soc. **88** 1587 (1966)  
Trost, B.M.
9. *Pyraclenes. Radical Anions Related to Pyraclquinone*  
J. Am. Chem. Soc. **88** 2876 (1966)  
Trost, B.M.; Nelson, S.F.
10. *Dimethylsulfonium Phenacylide*  
J. Am. Chem. Soc. **89** 138 (1967)  
Trost, B.M.
11. *An Unusual Aromatic Substitution Reaction*  
Tetrahedron Lett. 5761 (1966)  
Trost, B.M.
12. *Long-Range Splitting in the E.S.R. Spectra of Polycyclic Semiquinones*  
Tetrahedron Lett. 5737 (1966)  
Nelson, S.F.; Trost, B.M.
13. *1,2-Dibromopyraclene: A New Aromatic System*  
Tetrahedron Lett. 119 (1967)  
Trost, B.M.; Brittelli, D.R.
14. *The Structure of the Juvenile Hormone*  
Angew. Chem. Intl. Ed. Engl. **6** 179 (1967)  
Roller, H.; Dahm, K.H.; Sweely, C.C.; Trost, B.M.
15. *Dehydrogenation Mechanisms. On the Mechanism of Dehydrogenation of Acenaphthene by Quinones*  
J. Am. Chem. Soc. **89** 1847 (1967)  
Trost, B.M.

## Complete Sequential Listing - B.M. Trost Bibliography

- |     |                                                                                                                                                                                                          |           |      |        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|--------|
| 16. | <i>Pyracylenes. III. Radical Anions in the Pyracylene System</i><br>J. Am. Chem. Soc.<br>Nelson, S.F.; Trost, B.M.; Evans, D.H.                                                                          | <b>89</b> | 3034 | (1967) |
| 17. | <i>The Halogenation of Acenaphthene Derivatives</i><br>J. Org. Chem.<br>Trost, B.M.; Brittelli, D.R.                                                                                                     | <b>32</b> | 2620 | (1967) |
| 18. | <i>Pyracylene. A Pentalenoid System?</i><br>J. Am. Chem. Soc.<br>Trost, B.M.; Bright, G.M.                                                                                                               | <b>89</b> | 4244 | (1967) |
| 19. | <i>Pyracylene Radical Anion</i><br>Tetrahedron Lett.<br>Trost, B.M.; Nelson, S.F.; Brittelli, D.R.                                                                                                       |           | 3969 | (1967) |
| 20. | <i>The Juvenile Hormone. V. Synthesis of the Racemic Juvenile Hormone</i><br>J. Am. Chem. Soc.<br>Dahm, K.H.; Trost, B.M.; Roller, H.                                                                    | <b>89</b> | 5292 | (1967) |
| 21. | <i>Pteridines. VI. Preparation of Some 6-Aryl-7-aminopteridines</i><br>J. Med. Chem.<br>Weinstock, J.; Dunoff, R.Y.; Sutton, B.; Trost, B.; Kirkpatrick, J.; Farina, F.;                                 | <b>11</b> | 549  | (1967) |
| 22. | <i>The Juvenile Hormone-IV. Stereochemistry of Juvenile Hormone and Biological Activity of Some of its Isomers and Related Compounds</i><br>Life Sciences Part II<br>Dahm, K.H.; Roller, H.; Trost, B.M. | <b>7</b>  | 129  | (1968) |
| 23. | <i>A Unique Sulfur Ylide Reaction: On the Question of R4S Intermediates</i><br>Tetrahedron Lett.<br>Trost, B.M.; Atkins, R.                                                                              |           | 1225 | (1968) |
| 24. | <i>Allylsulfonium Salts-Vinyl Ylides: Their Chemical Properties</i><br>Tetrahedron Lett.<br>Trost, B.M.; LaRoche, R.                                                                                     |           | 3327 | (1968) |
| 25. | <i>Antiaromatic Peripheral Systems. Synthesis and Chemistry of Pyracyloquinone</i><br>J. Am. Chem. Soc.<br>Trost, B.M.                                                                                   | <b>91</b> | 918  | (1969) |
| 26. | <i>Decomposition of Diazoketones Under Impact Conditions</i><br>Tetrahedron Lett.<br>Kinson, P.; Trost, B.M.                                                                                             |           | 1075 | (1969) |
| 27. | <i>The Stereochemistry of Fragmentation Reactions of Small Ring Heterocycles</i><br>Chem. Comm.<br>Trost, B.M.; Ziman, S.                                                                                |           | 101  | (1969) |
| 28. | <i>Pentacoordinate Sulfur Compounds as Intermediates in Organic Reactions</i><br>J. Am. Chem. Soc.<br>Trost, B.; LaRoche, R.; Atkins, R.C.                                                               | <b>91</b> | 2175 | (1969) |
| 29. | <i>A Novel Reduction by Diiron Nonacarbonyl</i><br>J. Am. Chem. Soc.<br>Trost, B.; Bright, G.M.                                                                                                          | <b>91</b> | 3689 | (1969) |
| 30. | <i>Stereochemistry of Fragmentation of Thietanonium Salts</i><br>J. Am. Chem. Soc.<br>Trost, B.; Schinski, W.L.; Mantz, I.B.                                                                             | <b>91</b> | 4320 | (1969) |
| 31. | <i>Preparation and Irradiation of Spiro[2,3-benzonorbornadiene-7,1'-cyclopropane]</i><br>J. Org. Chem.<br>Trost, B.                                                                                      | <b>34</b> | 3644 | (1969) |

## Complete Sequential Listing - B.M. Trost Bibliography

32. *Photolytic and Catalytic Decomposition of an  $\alpha$ ,  $\alpha'$ -Bis-diazo Ketone. A Cyclopropanone Pathway*  
 J. Am. Chem. Soc. **91** 7534 (1969)  
 Whitman, P.J.; Trost, B.M.
33. *A New and Useful Sulfur Ylide. Thetin Anions*  
 J. Org. Chem. **35** 1600 (1970)  
 Adams, J.; Hoffman, Jr., L.; Trost, B.M.
34. *The Juvenile Hormone of Hyalophora cecropia*  
 Accounts Chem. Res. **3** 120 (1969)  
 Trost, B.M.
35. *Dibenzopentalenyl Dianion. A Perturbed [12]Annulene Dianion*  
 J. Am. Chem. Soc. **92** 2591 (1970)  
 Trost, B.M.; Kinson, P.H.
36. *A Novel and Useful Sulfur Ylide Reaction*  
 Tetrahedron Lett. 3449 (1970)  
 Trost, B.M.; LaRochelle, R.; Bogdanowicz, M.J.
37. *The Photolysis of Sulfur Ylides. Diphenylsulfonium Allylide*  
 J. Am. Chem. Soc. **92** 5804 (1970)  
 Trost, B.M.; LaRochelle, R.
38. *An Unusual Stereoelectronic Effect in the Rearrangement of the Diels-Alder Adducts of Cyclopropene and Furan*  
 Chem. Comm. 1353 (1970)  
 LaRochelle, R.W.; Trost, B.M.
39. *Perturbed [12]Annulenes. The Synthesis of Pyraclyenes*  
 J. Am. Chem. Soc. **93** 737 (1970)  
 Trost, B.M.; Bright, G.M.; Frihart, C.; Brittelli, D.
40. *Stereochemistry of Desulfurization of Thietane Derivatives*  
 J. Am. Chem. Soc. **93** 676 (1971)  
 Trost, B.M.; Schinski, W.L.; Chen, F.; Mantz, I.B.
41. *Preparation and Chemistry of Vinyl Sulfonium Ylides. New Synthetic Intermediates*  
 J. Org. Chem. **36** 1126 (1971)  
 LaRochelle, R.S.; Trost, B.M.; Krepski, L.
42. *Reactions of Organolithiums with Arylsulfonium Salts*  
 J. Am. Chem. Soc. **93** 6077 (1971)  
 LaRochelle, R.S.; Trost, B.M.
43. *Structure of 4,8-Dihydrobenzo[cd,gh]pentalene*  
 J. Am. Chem. Soc. **93** 7275 (1971)  
 Trost, B.M.; Kinson, P.L.; Maier, C.A.; Paul, I.C.
44. *Diphenylsulfonium Cyclopropylide. A Useful Spiroalkylation Reagent*  
 J. Am. Chem. Soc. **93** 3773 (1971)  
 Trost, B.M.; Bogdanowicz, M.J.
45. *Stereochemistry of *n*-Butyllithium-Induced Fragmentation of Dihydrothiophenium Hexafluorophosphates. Novel Sulfurane Reaction*  
 J. Am. Chem. Soc. **93** 3825 (1971)  
 Trost, B.M.; Ziman, S.D.
46. *Transition Metal Mediated Eliminations in Anhydrides and Thioanhydrides*  
 Tetrahedron Lett. 2603 (1971)  
 Trost, B.M.; Chen, F.

## Complete Sequential Listing - B.M. Trost Bibliography

47. *Dibenzo[cd,gh]pentaleno-4,8-quinone and Its Semiquinone Radical Anion. Model Planar [12]Annulene Derivatives*  
J. Am. Chem. Soc. **93** 3823 (1971)  
Kinson, P.S.; Trost, B.M.
48. *A Simple Approach to the Tetracyclo[3.3.0.0(2,4).0(3,8)]oct-7-ene System. 7,8-Diazatetracyclo[3.3.0.0(2,4).0(3,6)]oct-7-ene.*  
J. Am. Chem. Soc. **93** 5572 (1971)  
Trost, B.M.; Cory, R.M.
49. *The Thermal and Photochemical Decomposition of 7,8-Diazatetra-cyclo[3.3.0.0(2,4).0(3,8)]oct-7-ene. 1,2-Diazacycloocta-2,4,6,8..*  
J. Am. Chem. Soc. **93** 5573 (1971)  
Trost, B.M.; Cory, R.M.
50. *The Reaction of Dichlorocarbene with Trimethylcyclopropene*  
Chem. Comm. 1254 (1971)  
Trost, B.M.; Atkins, R.C.
51. *Some Aspects of Terpene Biosynthesis - A Model*  
Chem. Comm. 1639 (1971)  
Trost, B.M.; Conway, P.; Stanton, J.
52. *Organocopper Chemistry. The Decarboxylation of a Benzhydryl Carboxylic Acid*  
J. Org. Chem. **37** 1273 (1971)  
Trost, B.M.; Kinson, P.
53. *Adducts of Fulvene and 6-Acetoxyfulvene with Dimethyl Azodicarboxylate*  
J. Org. Chem. **37** 1106 (1971)  
Trost, B.M.; Cory, R.M.
54. *Oxaspiropentanes*  
Tetrahedron Lett. 887 (1972)  
Bogdanowicz, M.J.; Trost, B.M.
55. *New Synthetic Reactions. Transfer Alkylations*  
J. Am. Chem. Soc. **94** 1790 (1972)  
Melvin, L.S.; Trost, B.M.
56. *The Origin of Juvenile Hormone Chemistry*  
in "Insect Juvenile Hormones"  
Trost, B.M. 217 (1972)
57. *The Catalytic and Photolytic Decomposition of 1-Chloro-4-diazoalkenes*  
J. Org. Chem. **37** 3133 (1972)  
Atkins, R.C.; Trost, B.M.
58. *Perturbed [12]Annulenes: Potential Antiaromatics*  
"Topics in Non-Benzoid Aromatic Chem."  
Trost, B.M. 243 (1973)
59. *New Synthetic Reactions. Secoalkylation*  
J. Am. Chem. Soc. **94** 4777 (1972)  
Trost, B.M.; Bogdanowicz, M.J.
60. *A Novel Electrocyclic Process. Facile Generation of a Diazacyclopentadienone*  
J. Am. Chem. Soc. **94** 8634 (1972)  
Trost, B.M.; Whitman, P.J.
61. *Sulfuranes in Organic Reactions and Synthesis*  
"Topics in Current Chemistry"  
Trost, B.M. **41** 1 (1972)

## Complete Sequential Listing - B.M. Trost Bibliography

62. *New Synthetic Reactions. Cyclopentane Annellation*  
J. Am. Chem. Soc. **95** 289 (1973)  
Trost, B.M.; Bogdanowicz, M.J.
63. *New Synthetic Reactions. Allylic Alkylation*  
J. Am. Chem. Soc. **95** 292 (1973)  
Trost, B.M.; Fullerton, T.J.
64. *New Synthetic Reactions. Transfer of Chirality from Sulfur to Carbon*  
J. Am. Chem. Soc. **95** 962 (1973)  
Trost, B.M.; Hammen, R.F.
65. *Reactions of  $\pi$ -Sulfuranes (Ylides) with Aromatic Carbonium Ions*  
J. Am. Chem. Soc. **95** 1285 (1973)  
Trost, B.M.; Atkins, R.C.; Hoffman, L.
66. *Reactions of 2,8-Dihalo-8-thiatricyclo[3.2.1.0] octane*  
J. Org. Chem. **38** 649 (1973)  
Ziman, S.D.; Trost, B.M.
67. *Desulfurization of Episulfides. A Sulfurane Reaction*  
J. Org. Chem. **38** 932 (1973)  
Trost, B.M.; Ziman, S.D.
68. *New Synthetic Reactions. Lactone Annellation*  
Tetrahedron Lett. 923 (1973)  
Bogdanowicz, M.J.; Ambelang, T.; Trost, B.M.
69. *Sulfur Ylides: Emerging Synthetic Intermediates*  
published by Academic Press (1975)  
Trost, B.M.; Melvin, L.S.
70. *New Synthetic Reactions. Geminal Alkylation*  
J. Am. Chem. Soc. **95** 2038 (1973)  
Trost, B.M.; Bogdanowicz, M.J.
71.  *$\alpha$ -Sulfurane Chemistry. Effect of Substituents on the Coupling Reactions*  
J. Am. Chem. Soc. **95** 5288 (1973)  
Trost, B.M.; Arndt, H.C.
72. *Preparation of Cyclopropyldiphenylsulfonium and 2-Methylcyclopropyldiphenylsulfonium Fluoroborate and their Ylides. Stereochemistry of Sulfur Ylides*  
J. Am. Chem. Soc. **95** 5298 (1973)  
Trost, B.M.; Bogdanowicz, M.J.
73. *New Synthetic Methods. Spiropentanes*  
J. Am. Chem. Soc. **95** 5307 (1973)  
Trost, B.M.; Bogdanowicz, M.J.
74. *New Synthetic Reactions. Facile Synthesis of Oxaspiropentanes, Versatile Synthetic Intermediates*  
J. Am. Chem. Soc. **95** 5311 (1973)  
Trost, B.M.; Bogdanowicz, M.J.
75. *New Synthetic Reactions. A Versatile Cyclobutanone (Spiroannellation) and  $\gamma$ -Butyrolactone (Lactone Annellation) Synthesis*  
J. Am. Chem. Soc. **95** 5321 (1973)  
Trost, B.M.; Bogdanowicz, M.J.
76. *1-Lithiocyclopropyl Phenyl Sulfide. A New Spiroannellating Reagent*  
J. Am. Chem. Soc. **95** 3068 (1973)  
Trost, B.M.; Keeley, D.; Bogdanowicz, M.J.

## Complete Sequential Listing - B.M. Trost Bibliography

77. *New Synthetic Reactions. Dimethylsulfonium 2-Oxotetrahydrofuryl-3-ylide as an Annelating Reagent*  
J. Am. Chem. Soc. **95** 3140 (1973)  
Trost, B.M.; Arndt, H.C.
78. *Asymmetric Induction in a [2,3] Sigmatropic Rearrangement. A Biogenetic Model*  
J. Org. Chem. **38** 3438 (1973)  
Trost, B.M.; Biddlecom, W.G.
79. *Pyracylene Dianions*  
Tetrahedron Lett. 2787 (1973)  
Trost, B.M.; Buhner, D.; Bright, G.M.
80. *On the Applicability of the Wolff Rearrangement to Strained Hydrocarbons*  
Tetrahedron Lett. 2675 (1973)  
Trost, B.M.; Kinson, P.L.
81. *New Synthetic Methods. A Rational Synthesis of 7,8-Diazatetracyclo[3.3.0.0(2,4).0(3,8)]oct-7-ene*  
J. Am. Chem. Soc. **95** 7813 (1973)  
Trost, B.M.; Cory, R.M.; Scudder, P.H.; Neubold, H.B.
82. *New Synthetic Reactions. Sulfenylation-Dehydrosulfenylation as a Method for Introduction of Unsaturation*  
J. Am. Chem. Soc. **95** 6840 (1973)  
Trost, B.M.; Salzmann, T.N.
83. *New Synthetic Reactions. A New Approach to Geminal Alkylation*  
J. Am. Chem. Soc. **95** 7862 (1973)  
Trost, B.M.; Preckel, M.
84. *New Synthetic Reactions. Asymmetric Induction in Allylic Alkylations*  
J. Am. Chem. Soc. **95** 8200 (1973)  
Trost, B.M.; Dietsche, T.J.
85. *Influence of Geometry on Cyclopropyl Participation in the Thermolysis of Azo Compounds. A Photoelectron Spectroscopic Rationalization*  
J. Am. Chem. Soc. **96** 622 (1974)  
Schmidt, H.; Schweig, A.; Trost, B.M.; Neubold, H.; Scudder, P.H.
86. *New Alkylation Methods*  
Accounts Chem. Res. **7** 85 (1974)  
Trost, B.M.
87. *New Synthetic Reactions. Chemospecificity of Allylic Alkylation*  
J. Org. Chem. **39** 737 (1974)  
Trost, B.M.; Dietsche, T.J.; Fullerton, T.J.
88. *On the Stereochemistry and Regiospecificity of Spiroannelations*  
J. Am. Chem. Soc. **96** 1252 (1974)  
Trost, B.M.; Keeley, D.E.
89. *Cyclopropyldiphenylsulfonium Fluoroborate*  
Organic Synthesis **54** 27 (1974)  
Bogdanowicz, M.J.; Trost, B.M.
90. *New Synthetic Reactions. On the Regioselectivity and Chemospecificity of the Cyclopentane Annulation-Cyclopentenone Annulation*  
Tetrahedron Lett. 1929 (1974)  
Trost, B.M.; Kurozumi, S.
91. *New Synthetic Reactions. A Convenient Approach to Methyl 3-Oxo-4-Pentenoate*  
J. Org. Chem. **39** 2648 (1974)  
Trost, B.M.; Kunz, R.A.

## Complete Sequential Listing - B.M. Trost Bibliography

92. *Sulfur as a Key Element in Synthesis and Biosynthesis*  
in "Organic Sulfur Chemistry..." (1975)  
Trost, B.M.
93. *A General Synthesis of  $\pi$ -Allyl Palladium Chloride Dimers from Cycloalkenes and Alkylidenecycloalkanes*  
Tetrahedron Lett. 2603 (1974)  
Trost, B.M.; Strege, P.E.
94. *Novel Approaches to Alkylations*  
Pure & Appl. Chem. 43 563 (1975)  
Trost, B.M.
95. *New Synthetic Reactions. Alkylation of Lactam Derivatives*  
J. Org. Chem. 39 2475 (1974)  
Trost, B.M.; Kunz, R.A.
96. *On the Chemistry of  $\alpha, \alpha'$ -Bis(diazo) Ketones*  
J. Am. Chem. Soc. 96 7421 (1974)  
Trost, B.M.; Whitman, P.J.
97. *New Synthetic Reactions. Alkylative Elimination*  
J. Am. Chem. Soc. 96 7165 (1974)  
Trost, B.M.; Conway, W.P.; Strege, P.E.; Dietsche, T.J.
98. *Perturbed [12]Annulenes, Derivatives of Dibenzo[cd,gh]pentalene*  
J. Am. Chem. Soc. 97 2438 (1975)  
Trost, B.M.; Kinson, P.L.
99. *New Synthetic Reactions. Geminal and Reductive Alkylations*  
J. Am. Chem. Soc. 97 2218 (1975)  
Trost, B.M.; Bogdanowicz, M.J.; Kern, J.
100. *New Synthetic Reactions. Geminal Alkylation via  $\alpha$ -Trimethylenedithiocyclobutanones*  
J. Am. Chem. Soc. 97 2224 (1975)  
Trost, B.M.; Preckel, M.; Leichter, L.M.
101. *New Synthetic Methods. 1,2-(Alkylative) Carbonyl Transpositions*  
J. Am. Chem. Soc. 97 438 (1975)  
Trost, B.M.; Hiroi, K.; Kurozumi, S.
102. *New Synthetic Methods. 1,3-Alkylative Carbonyl Transposition*  
J. Am. Chem. Soc. 97 4018 (1975)  
Trost, B.M.; Stanton, J.L.
103. *Applications of Sulfenylations of Ester Enolates. Synthesis of Pheromones of the Honey Bee*  
J. Org. Chem. 40 148 (1975)  
Trost, B.M.; Salzman, T.N.
104. *New Synthetic Reactions. Stereochemistry of Allylic Alkylation*  
J. Am. Chem. Soc. 97 1611 (1975)  
Trost, B.M.; Weber, L.
105. *On the Regio- and Stereoselectivity of Allylic Alkylation*  
J. Am. Chem. Soc. 97 2534 (1975)  
Trost, B.M.; Strege, P.E.
106. *New Synthetic Reactions. Oxidative Decarboxylation*  
J. Am. Chem. Soc. 97 3528 (1975)  
Trost, B.M.; Tamaru, Y.
107. *A New Stereocontrolled Approach to Spirosesquiterpenes. Synthesis of Acorenone B*  
J. Am. Chem. Soc. 97 5873 (1975)  
Trost, B.M.; Hiroi, K.; Holy, N.

## Complete Sequential Listing - B.M. Trost Bibliography

108. *New Synthetic Methods. Secoalkylative Approach to Grandisol*  
 J. Org. Chem. **40** 2013 (1975)  
 Trost, B.M.; Keeley, D.E.
109. *Alkylative Eliminations. Scope of the Activating Group*  
 J. Org. Chem. **40** 2014 (1975)  
 Trost, B.M.; Bridges, A.J.
110. *The Stereochemistry of a Nucleophilic Enone Epoxidation: An Unusual Neighbouring Group Effect*  
 J.C.S. Chem. Comm. 571 (1975)  
 Trost, B.M.; Salzmann, T.N.
111. *Innovations in Organic Synthesis*  
 Chimia **29** 270 (1975)  
 Trost, B.M.
112. *New Methods in Alkaloid Synthesis. Imino Ethers as Donors in the Michael Reaction*  
 J. Am. Chem. Soc. **97** 7152 (1975)  
 Trost, B.M.; Kunz, R.A.
113. *A Dichotomy in the Electrocyclic Ring Closure of Enols and Enolates*  
 Tetrahedron Lett. 2675 (1975)  
 Trost, B.M.; Melvin, L.S.
114. *Bromomalonates as Synthetic Reagents. Transfer Alkylations*  
 J. Am. Chem. Soc. **98** 1204 (1976)  
 Trost, B.M.; Melvin, L.S.
115. *A New Approach for the Stereocontrolled Synthesis of Acyclic Terpenes*  
 J. Org. Chem. **40** 3617 (1975)  
 Trost, B.M.; Weber, L.
116. *New Synthetic Reactions. New Approach to (Alkylative) Oxidative Ring Cleavage*  
 J. Am. Chem. Soc. **97** 6911 (1975)  
 Trost, B.M.; Hiroi, K.
117. *2-Methylthioacetic Acid and Diethyl Malonate as Acyl Anion Equivalents. Synthesis of Juvabione*  
 Tetrahedron Lett. 3797 (1975)  
 Trost, B.M.; Tamaru, Y.
118. *On the Regiospecificity of the Sulfoxide Elimination*  
 Tetrahedron Lett. 4197 (1975)  
 Trost, B.M.; Leung, K.K.
119. *New Synthetic Methods. A Ring Expansion Approach to  $\alpha$ -Methylene  $\delta$ -Lactones*  
 J. Am. Chem. Soc. **97** 7182 (1975)  
 Trost, B.M.; Miller, C.H.
120. *New Synthetic Methods. A Stereocontrolled Approach to Cyclopentane Annelation*  
 J. Am. Chem. Soc. **98** 248 (1976)  
 Trost, B.M.; Keeley, D.E.
121. *New Synthetic Reactions. Catalytic vs. Stoichiometric Allylic Alkylation. Stereocontrolled Approach to Steroid Side Chain*  
 J. Am. Chem. Soc. **98** 630 (1976)  
 Trost, B.M.; Verhoeven, T.R.
122. *Carbon-13 Nuclear Magnetic Resonance and Ring Currents in Vinyl Cross-Linked Annulenes*  
 J. Am. Chem. Soc. **98** 4080 (1976)  
 Trost, B.M.; Herdle, W.B.
123. *New Synthetic Reactions. Sulfenylations and Dehydrosulfenylations of Esters and Ketones*  
 J. Am. Chem. Soc. **98** 4887 (1976)  
 Trost, B.M.; Salzmann, T.N.; Hiroi, K.



## Complete Sequential Listing - B.M. Trost Bibliography

124. *2a, 8a, 8b, 8c-Tetrahydropentaleno[6, 1, 2-aji]azulene*  
J. Am. Chem. Soc. **98** 1988 (1976)  
Trost, B.M.; Herdle, W.B.
125. *New Synthetic Reactions. Oxidative Seco Rearrangement*  
J. Am. Chem. Soc. **98** 4313 (1976)  
Trost, B.M.; Hiroi, K.
126. *New Synthetic Reagents. 2-Methoxy-3-phenylthiobuta-1,3-diene. A Novel Annelating Agent*  
J. Am. Chem. Soc. **98** 5017 (1976)  
Trost, B.M.; Bridges, A.J.
127. *Allylic Substitutions with Retention of Stereochemistry*  
J. Org. Chem. **41** 3215 (1976)  
Trost, B.M.; Verhoeven, T.R.
128. *Secosulfenylation of Cyclobutanones*  
J. Org. Chem. **41** 3217 (1976)  
Trost, B.M.; Rigby, J.H.
129. *Desulfonylation of Aryl Alkyl Sulfones*  
Tetrahedron Lett. 3477 (1976)  
Trost, B.M.; Arndt, H.C.; Strege, P.E.; Verhoeven, T.R.
130. *An Approach to the Stereocontrolled Creation of an Acyclic Side Chain of Some Natural Products*  
Tetrahedron Lett. 3857 (1976)  
Trost, B.M.; Taber, D.F.; Alper, J.B.
131. *Palladium Catalyzed Cyclizations to Alkaloid Skeletons. Facile Synthesis of Desethylbogamine*  
J. Am. Chem. Soc. **98** 8516 (1976)  
Trost, B.M.; Genet, J.P.
132. *New Synthetic Reactions. Oxidative Decarboxylation of  $\alpha$ -Methylthiocarboxylic Acids, New Approach to Acyl Anion and Ketene Synthons*  
J. Am. Chem. Soc. **99** 3101 (1977)  
Trost, B.M.; Tamaru, Y.
133. *Asymmetric Induction in Catalytic Allylic Alkylation*  
J. Am. Chem. Soc. **99** 1649 (1977)  
Trost, B.M.; Strege, P.E.
134. *The Development of New Synthetic Methods as Applied to the Synthesis of Natural Products in "Medicinal Chemistry V", Elsevier*  
387 (1977)  
Trost, B.M.
135. *Lithiation of Cyclopropyl and 2-Methylcyclopropyl Phenyl Sulfides. Addition to Carbonyl Partners*  
J. Am. Chem. Soc. **99** 3080 (1977)  
Trost, B.M.; Keeley, D.E.; Arndt, H.C.; Rigby, J.H.; Bogdanowicz, M.J.
136. *New Synthetic Reactions. Synthesis of Cyclobutanes, Cyclobutenes, and Cyclobutanones. Applications in Geminal Alkylation*  
J. Am. Chem. Soc. **99** 3088 (1977)  
Trost, B.M.; Keeley, D.E.; Arndt, H.C.; Bogdanowicz, M.J.
137. *Cyclizations via Organopalladium Intermediates. Macrolide Formation*  
J. Am. Chem. Soc. **99** 3867 (1977)  
Trost, B.M.; Verhoeven, T.R.
138. *Stereocontrolled Synthesis of the Ecdysone Side Chain via Organopalladium Chemistry*  
J. Org. Chem. **42** 2036 (1977)  
Trost, B.M.; Matsumura, Y.

## Complete Sequential Listing - B.M. Trost Bibliography

139. *New Synthetic Reactions. A Chemoselective Approach to Cleavage a to a Carbonyl Group via  $\beta$ -Ketosulfides. Preparation of 1,2-Diketones*  
J. Am. Chem. Soc. **99** 4405 (1977)  
Trost, B.M.; Massiot, G.S.
140. *Organopalladium Intermediates in Organic Synthesis, Tetrahedron Report Number 32*  
Tetrahedron **33** 2615 (1977)  
Trost, B.M.
141. *Generation and Alkylation of the Dianion (Homoenolate) of a 1-Indanone*  
J. Org. Chem. **42** 3213 (1977)  
Trost, B.M.; Latimer, L.H.
142. *New Synthetic Reactions. Stereoreversed Cyclobutanone Formation Utilizing Selenoxide as a Leaving Group*  
J. Am. Chem. Soc. **99** 7601 (1977)  
Trost, B.M.; Scudder, P.H.
143. *New Synthetic Reactions. Double Chain Extension*  
J. Am. Chem. Soc. **99** 6124 (1977)  
Trost, B.M.; Frazee, W.J.
144. *New Synthetic Reagents. Methylthiomaleic Anhydride: A Synthone for Protected Carbomethoxyketene*  
J. Am. Chem. Soc. **99** 7079 (1977)  
Trost, B.M.; Lunn, G.
145. *On the Regioselectivity of the Catalyzed and Uncatalyzed Diels-Alder Reaction*  
J. Am. Chem. Soc. **99** 8116 (1977)  
Trost, B.M.; Ippen, J.; Vladuchick, W.C.
146. *New Synthetic Methods. Stereocontrolled Bicycloannulation: An Approach to Gibberellins*  
J. Org. Chem. **43** 1031 (1978)  
Trost, B.M.; Latimer, L.H.
147. *Allylic Alkylation: Preparation of  $\pi$ -Allylpalladium Complexes from Olefins*  
J. Am. Chem. Soc. **100** 3407 (1978)  
Trost, B.M.; Strege, P.E.; Weber, L.; Fullerton, T.J.; Dietsche, T.J.
148. *Allylic Alkylation: Nucleophilic Attack on  $\pi$ -Allylpalladium Complexes*  
J. Am. Chem. Soc. **100** 3416 (1978)  
Trost, B.M.; Weber, L.; Strege, P.E.; Fullerton, T.J.; Dietsche, T.J.
149. *Allylic Alkylation: Nature of the Nucleophile and Application to Prenylation*  
J. Am. Chem. Soc. **100** 3426 (1978)  
Trost, B.M.; Weber, L.; Strege, P.E.; Fullerton, T.J.; Dietsche, T.J.
150. *Stereocontrolled Approach to Steroid Side Chain via Organo-Palladium Chemistry. Partial Synthesis of 5 $\alpha$ -Cholestanone*  
J. Am. Chem. Soc. **100** 3435 (1978)  
Trost, B.M.; Verhoeven, T.R.
151. *An Enantioconvergent Approach to Prostanoids*  
J.C.S. Chem. Comm. 436 (1978)  
Trost, B.M.; Timko, J.M.; Stanton, J.L.
152. *Some Aspects of Organosulfur-Mediated Synthetic Methods*  
Accounts. Chem. Res. **11** 453 (1977)  
Trost, B.M.
153.  *$\alpha$ -Sulfenylated Carbonyl Compounds in Organic Synthesis*  
Chem. Revs. **78** 363 (1978)  
Trost, B.M.

## Complete Sequential Listing - B.M. Trost Bibliography

154. *Dehydrogenative Sulfenylation of Cyclohexanones*  
Tetrahedron Lett. 1667 (1978)  
Trost, B.M.; Rigby, J.H.
155. *Oxasecoalkylation via Cyclobutanone Intermediates*  
J. Am. Chem. Soc. 100 5512 (1978)  
Trost, B.M.; Bogdanowicz, M.J.; Frazee, W.J.; Salzmann, T.N.
156. *A Total Synthesis of Racemic and Optically Active Ibogamine. Utilization and Mechanism of a New Silver Ion Assisted Palladium Catalyzed Cyclization*  
J. Am. Chem. Soc. 100 3930 (1978)  
Trost, B.M.; Godleski, S.A.; Genet, J.P.
157. *Stereocontrolled Synthesis of (+)-Recifeiolide via Organopalladium Chemistry*  
Tetrahedron Lett. 2275 (1978)  
Trost, B.M.; Verhoeven, T.R.
158. *Synthetic Strategy toward Verrucarins. An Approach toward Verrucarol*  
J. Org. Chem. 43 2938 (1978)  
Trost, B.M.; Rigby, J.H.
159. *Synthesis of Thermodynamically Less Stable Enol Thioethers. An Alternative Oxidative Decarboxylation of  $\alpha$ -Thio Acids*  
J. Org. Chem. 43 4549 (1978)  
Trost, B.M.; Crimmin, M.J.; Butler, D.
160. *Stereocontrolled Approach to 1,4-Disubstituted Dienes*  
J. Org. Chem. 43 4559 (1978)  
Trost, B.M.; Godleski, S.A.; Ippen, J.
161. *Hydroxysulfenylation of Olefins. An Olefin Cleavage with Functional Group Differentiation*  
J. Am. Chem. Soc. 100 7103 (1978)  
Trost, B.M.; Ochiai, M.; McDougal, P.G.
162. *Steric Steering with Supported Palladium Catalysts*  
J. Am. Chem. Soc. 100 7779 (1978)  
Trost, B.M.; Keinan, E.
163. *A Convenient Laboratory Synthesis of Cyclobutanone*  
Synthesis 11 821 (1978)  
Trost, B.M.; Vladuchick, W.C.
164. *An Approach to 2,3-Disubstituted Cyclopentanones*  
J. Org. Chem. 44 148 (1979)  
Trost, B.M.; Vladuchick, W.C.
165. *Thionium Ions as Reactive Carbonyl Equivalents in Cyclization Reactions*  
J. Am. Chem. Soc. 101 257 (1979)  
Trost, B.M.; Reiffen, M.; Crimmin, M.
166. *A Stereocontrolled Total Synthesis of (+)-Hirsutic Acid C*  
J. Am. Chem. Soc. 101 1284 (1979)  
Trost, B.M.; Shuey, C.D.; DiNinno, F.
167. *Selectivity in the Design of the Total Synthesis of Natural Products*  
Pure Appl. Chem. 51 787 (1979)  
Trost, B.M.
168. *Synthetic Approaches to Cyclopentanoid Natural Products*  
Excerpta Medica 106 (1979)  
Trost, B.M.

## Complete Sequential Listing - B.M. Trost Bibliography

169. *A Total Synthesis of Aphidicolin*  
J. Am. Chem. Soc. **101** 1328 (1979)  
Trost, B.M.; Nishimura, Y.; Yamamoto, K.
170. *1,2-Diaza-2,4,6,8-cyclooctatetraene*  
J. Org. Chem. **44** 1264 (1979)  
Trost, B.M.; Scudder, P.H.; Cory, R.M.; Turro, N.J.; Ramamurthy, V.; Katz,
171. *Influence of a Transition Metal on the Regiochemistry of Ring Closures. An Approach to Medium-Ring Compounds*  
J. Am. Chem. Soc. **101** 1595 (1979)  
Trost, B.M.; Verhoeven, T.R.
172. *Synthesis of (+)-Catharanthine via Organopalladium Chemistry*  
J. Org. Chem. **44** 2052 (1979)  
Trost, B.M.; Godleski, S.A.; Belletire, J.L.
173. *A Stereocontrolled Approach toward Vitamin D Metabolites. A Synthesis of the Inhoffen-Lythgoe Diol*  
J. Am. Chem. Soc. **101** 4378 (1979)  
Trost, B.M.; Bernstein, P.R.; Funfschilling, P.C.
174. *An Approach to Primary Allylic Amines via Transition-Metal-Catalyzed Reactions. Total Synthesis of (+)-Gabaculine*  
J. Org. Chem. **44** 3451 (1979)  
Trost, B.M.; Keinan, E.
175. *Isomerization of Allylic Acetates Catalyzed by Palladium. New Method for Stereocontrol*  
Tetrahedron Lett. 2301 (1979)  
Trost, B.M.; Verhoeven, T.R.; Fortunak, J.M.
176. *New Synthetic Methods. Allylic Alkylation of Enol Thioethers*  
J. Am. Chem. Soc. **101** 4413 (1979)  
Trost, B.M.; Tanigawa, Y.
177. *Enol Thioethers in Synthesis. Regiocontrolled Arylation via Organopalladium Chemistry*  
J. Am. Chem. Soc. **101** 4743 (1979)  
Trost, B.M.; Tanigawa, Y.
178. *New Conjunctive Reagents. 2-Acetoxyethyl-3-allyltrimethylsilane for Methylene-cyclopentane Annulations Catalyzed by Palladium(0)*  
J. Am. Chem. Soc. **101** 6429 (1979)  
Trost, B.M.; Chan, D.M.T.
179. *2-Acetoxyethyl-3-allyltrimethylsilane and Palladium(0): A Source of Trimethylenemethane-Palladium Complex?*  
J. Am. Chem. Soc. **101** 6432 (1979)  
Trost, B.M.; Chan, D.M.T.
180. *An Approach to Enolonium Equivalents. Application to a Total Synthesis of (+)-Pyrenophorin*  
J. Org. Chem. **44** 3448 (1979)  
Trost, B.M.; Gowland, F.W.
181. *A Stereocontrolled Approach to Acyclic Systems. Stereorelay in Charge-Directed Alkylations via Organopalladium Templates*  
J. Am. Chem. Soc. **101** 6756 (1979)  
Trost, B.M.; Klun, T.P.
182. *Oxidative Seco Rearrangement. A Novel Carbon-Carbon Bond Cleavage*  
J. Org. Chem. **45** 1839 (1980)  
Trost, B.M.; Hiroi, K.; Jungheim, L.N.

## Complete Sequential Listing - B.M. Trost Bibliography

183. *Sulfur as a Regiochemical Control Element. Synthesis of 2-Alkoxy(acyloxy)-3-alkyl(aryl)thiobutal,3-dienes*  
J. Am. Chem. Soc. **102** 3548 (1980)  
Trost, B.M.; Vladuchick, W.C.; Bridges, A.J.
184. *Sulfur as a Regiochemical Control Element. Cycloadditions of 2-Alkoxy(acyloxy)-3-alkyl(aryl)thiobuta-1,3-dienes*  
J. Am. Chem. Soc. **102** 3554 (1980)  
Trost, B.M.; Vladuchick, W.C.; Bridges, A.J.
185. *Cyclization Catalyzed by Palladium(O). Initial Studies and Macrolide Formation*  
J. Am. Chem. Soc. **102** 4743 (1980)  
Trost, B.M.; Verhoeven, T.R.
186. *Allylic Alkylation. Palladium-Catalyzed Substitutions of Allylic Carboxylates. Stereo- and Regiochemistry*  
J. Am. Chem. Soc. **102** 4730 (1980)  
Trost, B.M.; Verhoeven, T.R.
187. *Reactions of Olefins with Palladium Trifluoroacetate*  
J. Am. Chem. Soc. **102** 3572 (1980)  
Trost, B.M.; Metzner, P.J.
188. *Regiocontrolled Synthesis of Hydroxyphthalides. Synthesis of (+)-Isoochracinic Acid and a Zealeranone Intermediate*  
J. Org. Chem. **45** 1835 (1980)  
Trost, B.M.; Rivers, G.T.; Gold, J.M.
189. *A New Diene Synthesis via Organopalladium Chemistry*  
J. Am. Chem. Soc. **102** 2841 (1980)  
Trost, B.M.; Fortunak, J.M.
190. *Selectivity in Organic Synthesis, Proc. Kyoto Conf. New Aspects of Organic Chemistry "New Synthetic Methodology and Biologically Active Substances"* **6** 75 (1981)  
Trost, B.M.
191. *A 1,3-O-to-C-Alkyl Shift Catalyzed by Palladium*  
J. Am. Chem. Soc. **102** 2840 (1980)  
Trost, B.M.; Runge, T.A.; Jungheim, L.N.
192. *Enolstannanes as Electrofugal Groups in Allylic Alkylation*  
Tetrahedron Lett. **21** 2591 (1980)  
Trost, B.M.; Keinan, E.
193. *Allylstannanes as Electrofugal Partners in Allylic Alkylation*  
Tetrahedron Lett. **21** 2595 (1980)  
Trost, B.M.; Keinan, E.
194. *Pyrrole Annulation onto Aldehydes and Ketones via Palladium-Catalyzed Reactions*  
J. Org. Chem. **45** 2741 (1980)  
Trost, B.M.; Keinan, E.
195. *A Three-Carbon Condensative Expansion. Application to Muscone*  
J. Am. Chem. Soc. **102** 5680 (1980)  
Trost, B.M.; Vincent, J.E.
196. *An Enantiodirected Cyclopentenone Annulation. Synthesis of a Useful Building block for Condensed Cyclopentanoid Natural...*  
J. Am. Chem. Soc. **102** 5699 (1980)  
Trost, B.M.; Curran, D.P.

## Complete Sequential Listing - B.M. Trost Bibliography

197. *New Rules of Selectivity: Allylic Alkylations Catalyzed by Palladium*  
Accounts Chem. Res. **13** 385 (1980)  
Trost, B.M.
198. *Allyl Sulfones as Synthons for 1,1- and 1,3-Dipoles via Organopalladium Chemistry*  
J. Am. Chem. Soc. **102** 5979 (1980)  
Trost, B.M.; Schmuff, N.R.; Miller, M.J.
199. *A New Approach to Sulfenylated Enolates*  
Tetrahedron Lett. **21** 3523 (1980)  
Trost, B.M.; Michael K.T. Mao
200. *Nature of a Trimethylenemethane-Palladium Complex*  
J. Am. Chem. Soc. **102** 6359 (1980)  
Trost, B.M.; Chan, D.M.T.
201. *1-(Arylthio)cyclopropanecarboxaldehydes. Conjunctive Reagents for Secoalkylation*  
J. Am. Chem. Soc. **102** 7910 (1980)  
Trost, B.M.; Jungheim, L.N.
202. *Chirality Transfer in Acyclic Systems via Organocopper*  
J. Org. Chem. **45** 4256 (1980)  
Trost, B.M.; Klun, T.P.
203. *A Model for Asymmetric Induction in the Diels-Alder Reaction*  
J. Am. Chem. Soc. **102** 7595 (1980)  
Trost, B.M.; O'Krongly, D.; Belletire, J.L.
204. *Selectivity in the Total Synthesis of Natural Products] Proc. Sino-American Symp. on Chemistry of Natural Products*  
"Chemistry of Natural Products", W. Yu, ed 29 (1982)  
Trost, B.M.
205. *Thionium Ions as Carbonyl Substitutes. Synthesis of Cyclic Imino Thioethers and Lactams*  
J. Am. Chem. Soc. **102** 7929 (1980)  
Trost, B.M.; Vaultier, M.; Santiago, M.L.
206. *Kinetics of the siloxyvinylcyclopropane Rearrangement Using a Micro Stirred Flow Reactor*  
J. Org. Chem. **46** 506 (1981)  
Trost, B.M.; Scudder, P.H.
207. *Chemoselective Oxidation of Sulfides to Sulfones with Potassium Hydrogen Persulfate*  
Tetrahedron Lett. **22** 1287 (1981)  
Trost, B.M.; Curran, D.P.
208. *Chirality Transfer via Organopalladium Chemistry. A Synthesis of Optically Active Vitamin E Side Chain from D-Glucose*  
J. Am. Chem. Soc. **103** 1864 (1981)  
Trost, B.M.; Klun, T.P.
209. *On the Stereo- and Regiochemistry of a Palladium-Catalyzed O to C Migration*  
J. Am. Chem. Soc. **103** 2485 (1981)  
Trost, B.M.; Runge, T.A.
210. *Azidomethyl Phenyl Sulfide. A Synthon for NH<sub>2</sub><sup>+</sup>*  
J. Am. Chem. Soc. **103** 2483 (1981)  
Trost, B.M.; Pearson, W.H.
211. *On the Mechanism of Allylic Alkylations Catalyzed by Palladium*  
Tetrahedron Lett. **22** 2999 (1981)  
Trost, B.M.; Schmuff, N.R.

## Complete Sequential Listing - B.M. Trost Bibliography

212. *A Chemoselective Desulfurization Method Via Homogeneous Nickel Catalysis*  
Tetrahedron Lett. **22** 3463 (1981)  
Trost, B.M.; Ornstein, P.L.
213. *Palladium Catalyzed Fragmentation Reaction as an Approach to Vitamin A Ester*  
Tetrahedron Lett. **22** 3459 (1981)  
Trost, B.M.; Fortunak, J.M.D.
214. *Regiochemistry of the Cycloaddition of a Substituted Trimethylenemethanepalladium Complex*  
J. Am. Chem. Soc. **103** 5972 (1981)  
Trost, B.M.; Chan, D.M.T.
215. *A Molecular Orbital Study of Substituted Trimethylenemethane-Bis-(phosphine)palladium Complexes*  
J. Am. Chem. Soc. **103** 5974 (1981)  
Gordon, D.J.; Fenske, R.F.; Nanninga, T.N.; Trost, B.M.
216. *Neutral Alkylations via Palladium(0) Catalysis*  
J. Am. Chem. Soc. **103** 5969 (1981)  
Trost, B.M.; Molander, G.A.
217. *Transition-Metal Templates for Selectivity in Organic Synthesis*  
Aldrichimica Acta **14** 43 (1981)  
Trost, B.M.
218. *Dehydrogenation of Amines. An Approach to Imines and Aldehydes*  
J. Org. Chem. **46** 4617 (1981)  
Trost, B.M.; Liu, G-J.
219. *Palladium-Catalyzed 1,3-Oxygen-to-Carbon Alkyl Shifts. Basic Studies*  
J. Am. Chem. Soc. **103** 7550 (1981)  
Trost, B.M.; Runge, T.A.
220. *Palladium-Catalyzed 1,3-Oxygen-to-Carbon Alkyl Shifts. Cyclopentanone Synthesis*  
J. Am. Chem. Soc. **103** 7559 (1981)  
Trost, B.M.; Runge, T.A.
221. *Dimethyl(methylthio)sulfonium Fluoroborate. A Chemoselective Initiator for Thionium Ion Induced Cyclizations*  
J. Am. Chem. Soc. **103** 6529 (1981)  
Trost, B.M.; Murayama, E.
222. *Transition Metal Templates for Selectivity in Organic Synthesis*  
Pure & Appl. Chem. **53** 2357 (1981)  
Trost, B.M.
223. *Cyclizations Initiated by a Pd(+2)-Ag(+1) Mixed Metal System*  
Organometallics **1** 7 (1982)  
Trost, B.M.; Fortunak, J.M.D.
224. *Approaches for Asymmetric Synthesis as Directed Toward Natural Products*  
ACS Symposium Series 185, Asymmetric... **185** 1 (1982)  
Trost, B.M.
225. *Organopalladium Compounds in Organic Synthesis and in Catalysis*  
Comprehensive Organometallic Chemistry **8** 799 (1982)  
Trost, B.M.; Verhoeven, T.R.
226. *Synthesis of dl-Coriolin*  
J. Am. Chem. Soc. **103** 7380 (1981)  
Trost, B.M.; Curran, D.P.

## Complete Sequential Listing - B.M. Trost Bibliography

227. *On the Stereochemistry of the bis-nor-Wieland-Miescher Ketone*  
Tetrahedron Lett. **22** 4929 (1981)  
Trost, B.M.; Curran, D.P.
228. *The Di-t-Butylsilylene Protecting Group for Diols*  
Tetrahedron Lett. **22** 4999 (1981)  
Trost, B.M.; Caldwell, C.G.
229. *An Effect of Silicon Substitution Remote from Reactive Site*  
Tetrahedron Lett. **22** 5023 (1981)  
Trost, B.M.; Curran, D.P.
230. *Ion Pair Effects in an Intercalation Process. An Approach to the Bicyclo[5.3.1]undecyl System of Taxane*  
J. Am. Chem. Soc. **104** 886 (1982)  
Trost, B.M.; Hiemstra, H.
231. *Regiochemical Control Elements*  
Naturwissenschaften **68** 613 (1981)  
Trost, B.M.
232. *Bifunctional Cyclopropyl Reagents: Stereocontrolled Approach to Vinyl Sulfides and Chemodifferentiated 1,4-Dicarbonyl Systems*  
J. Org. Chem. **47** 748 (1982)  
Trost, B.M.; Ornstein, P.L.
233. *Nucleophilic Attack on Olefins Initiated by Dimethyl(methylthio)-sulfonium Fluoroborate (DMTSF). Azasulfenylation*  
J. Am. Chem. Soc. **104** 3225 (1982)  
Trost, B.M.; Shibata, T.
234. *Nucleophilic Attack on Olefins Initiated by Dimethyl(methylthio)-sulfonium Fluoroborate (DMTSF). Cyanosulfenylation and Oxy-...*  
J. Am. Chem. Soc. **104** 3228 (1982)  
Trost, B.M.; Shibata, T.; Martin, S.J.
235. *An Approach to the Phenanthrene Nucleus Via Thionium Ions and Epoxyketone Cyclizations*  
Tetrahedron Lett. **23** 1047 (1982)  
Trost, B.M.; Murayama, E.
236. *Intramolecular Carbocyclic [3+2] Cycloaddition via Organopalladium Intermediates*  
J. Am. Chem. Soc. **104** 3733 (1982)  
Trost, B.M.; Chan, D.M.T.
237. *An Unusual Effect of Selenium Substituents on the Regiochemistry of a Baeyer-Villiger Rearrangement*  
Tetrahedron Lett. **23** 1443 (1982)  
Trost, B.M.; Buhlmyer, P.; Mao, M.
238. *Palladium-Mediated Cycloaddition Approach to Cyclopentanoid Natural Products. (+)-Albene*  
J. Am. Chem. Soc. **104** 6668 (1982)  
Trost, B.M.; Renaut, P.
239. *2,3-Bis[(trimethylsilyl)methyl]-1,3-butadiene. A Conjunctive Reagent for Tandem Diels-Alder Reactions*  
J. Am. Chem. Soc. **104** 4299 (1982)  
Trost, B.M.; Shimizu, M.
240. *Cyclopentanoids: A Challenge for New Methodology (Centenary Lecture)*  
Chem. Soc. Revs. **11** 1419 (1982)  
Trost, B.M.
241. *Silylation of  $\alpha$ -Methallyl Alcohol Dianion. 2-Hydroxymethyl-3-Allyltrimethylsilane*  
Org. Synthesis **62** 58 (1984)  
Trost, B.M.; Chan, D.M.T.; Nanninga, T.N.



## Complete Sequential Listing - B.M. Trost Bibliography

242. *Molybdenum Catalysts for Allylic Alkylation*  
J. Am. Chem. Soc. **104** 5543 (1982)  
Trost, B.M.; Lautens, M.
243. *Total Synthesis of Verrucarol*  
J. Am. Chem. Soc. **104** 6110 (1982)  
Trost, B.M.; McDougal, P.
244. *Studies Directed Towards Verrucarins: A Synthesis of Verrucarol. An Approach to Verrucarin A*  
"Current Trends in Organic Synthesis" 45 (1983)  
Trost, B.M.; McDougal, P.; Rigby, J.H.
245. *Regiochemistry of Cycloaddition of (Trimethylenemethane)palladium Intermediates to Muconic Esters*  
Organometallics **1** 1543 (1982)  
Trost, B.M.; Nanninga, T.N.; Chan, D.M.T.
246. *Macrocyclization via an Isomerization Reaction at High Concentrations Promoted by Palladium Templates*  
J. Am. Chem. Soc. **104** 6112 (1982)  
Trost, B.M.; Warner, R.W.
247. *Palladium-Assisted Macrocyclization Approach to Cytochalasins: A Synthesis of Antibiotic A26771B*  
J. Am. Chem. Soc. **105** 568 (1983)  
Trost, B.M.; Brickner, S.J.
248. *2-Bromo-3-(trimethylsilyl)propene. An Annulating Agent for Five-Membered Carbo- and Heterocycles*  
J. Am. Chem. Soc. **104** 6879 (1982)  
Trost, B.M.; Coppola, B.P.
249. *Selectivity: A Key to Synthetic Efficiency*  
Science **219** 245 (1983)  
Trost, B.M.
250. *Palladium-Mediated Cycloaddition Approach to Cyclopentanoids. Introduction and Initial Studies*  
J. Am. Chem. Soc. **105** 2315 (1983)  
Trost, B.M.; Chan, D.M.T.
251. *Palladium-Mediated Cycloaddition Approach to Cyclopentanoids. Mechanistic Studies*  
J. Am. Chem. Soc. **105** 2326 (1983)  
Trost, B.M.; Chan, D.M.T.
252. *Synthesis of Optically Active Verrucarinic Acid Derivatives*  
Tetrahedron Lett. **23** 5497 (1982)  
Trost, B.M.; McDougal, P.G.
253. *Organopalladium and Molybdenum Intermediates. Chemical Chameleons. Prod. 3rd Int. Symp. on Homogenous Catalysis, Plenum Press*  
"Fundamental Research in Homogeneous..." **4** 117 (1983)  
Trost, B.M.
254. *Palladium-Mediated Macroheterocyclization. A Synthesis of Inandenin-12-one*  
J. Am. Chem. Soc. **104** 6881 (1982)  
Trost, B.M.; Cossy, J.
255. *Organocuprate-Mediated Methods for the Stereospecific Introduction of Steroid Side Chains at C-20*  
J. Org. Chem. **48** 1404 (1983)  
Schmuff, N.R.; Trost, B.M.
256. *1,1-Bis(benzenesulfonyl)cyclopropane: A Synthone for a Propylene 1,3-Dipole.*  
J. Am. Chem. Soc. **105** 1052 (1983)  
Trost, B.M.; Cossy, J.; Burks, J.

## Complete Sequential Listing - B.M. Trost Bibliography

257. *A Synthesis of the Naphthalene Core of Streptovaricin D via a Synthon of NH<sub>2</sub><sup>+</sup>*  
Tetrahedron Lett. **24** 269 (1983)  
Trost, B.M.; Pearson, W.H.
258. *Sulfur Activation of Azides toward Addition of Organometallics. Amination of Aliphatic Carbanions*  
J. Am. Chem. Soc. **105** 1054 (1983)  
Trost, B.M.; Pearson, W.H.
259. *Tandem Annulations. 2-Bromomethyl-3-(trimethylsilylmethyl)buta-1,3-diene as a synthon for a Zwitterion of 2,2'-biallyl*  
Tetrahedron Lett. **24** 1129 (1983)  
Trost, B.M.; Remuson, R.
260. *An Unusual Migratory Aptitude in a Cyclopropylcarbinyl-Cyclobutyl Rearrangement. Synthesis of 2,4-Disubstituted Cyclobutanones*  
J. Org. Chem. **48** 1131 (1983)  
Trost, B.M.; Ornstein, P.L.
261. *On the Stereo- and Regioselectivity of Molybdenum-Catalyzed Allylic Alkylations. Stereocontrolled Approach to Quaternary Carbons and Tandem Alkylation-Cycloaddition*  
J. Am. Chem. Soc. **105** 3343 (1983)  
Trost, B.M.; Lautens, M.
262. *Sulfur Substituted Dienes and the Silyene Protecting Group in Synthesis. Deoxypillaromycinone*  
J. Org. Chem. **48** 3252 (1983)  
Trost, B.M.; Caldwell, D.; Murayama, E.; Heissler, D.
263. *Bifunctional Cyclopropyl Reagents: A Total Synthesis of 7-E,9Z-Methyl Trisporate B*  
Tetrahedron Lett. **24** 2833 (1983)  
Trost, B.M.; Ornstein, P.L.
264. *Synthesis of 4-Methylene-1,3-dioxolan-2-one. A Bifunctional Cyclic Carbonate*  
J. Org. Chem. **48** 3346 (1983)  
Trost, B.M.; Chan, D.M.T.
265. *Reshuffling the Rules of Selectivity: Molybdenum Catalysts Lead the Way*  
Industrial Chem. News **4** 1 (1983)  
Trost, B.M.; Lautens, M.
266. *Tris(trimethylsilyl)aluminum and Transition Metal Catalysts. Silylation of Allyl Acetates*  
J. Am. Chem. Soc. **105** 4494 (1983)  
Trost, B.M.; Yoshida, J-I.; Lautens, M.
267. *Cyclocontraction-Spiroannulation. A Stereoselective Approach to Spirocycles*  
J. Am. Chem. Soc. **105** 4849 (1983)  
Trost, B.M.; Adams, B.
268. *Macrolide Formation via an Isomerization Reaction. An Unusual Dependence on Nucleophile*  
J. Am. Chem. Soc. **105** 5940 (1983)  
Trost, B.M.; Warner, R.W.
269. *Enol Thioethers as Enol Substitutes. An Alkylation Sequence*  
J. Am. Chem. Soc. **105** 5075 (1983)  
Trost, B.M.; Lavoie, A.
270. *Leucinopine, a Characteristic Compound of Some Crown-Gall Tumors*  
Proc. Natl. Acad. Sci. USA **80** 3573 (1983)  
Chang, C-C.; Chen, C-M.; Adams, B.R.; Trost, B.M.
271.  *$\alpha$ -Elimination of  $\alpha$ -Acetoxysilanes Induced by Palladium: Evidence for the Intermediacy of a Vinylcarbene-Palladium Complex*  
J. Am. Chem. Soc. **105** 5942 (1983)  
Trost, B.M.; Self, C.R.

## Complete Sequential Listing - B.M. Trost Bibliography

272. *Regiochemical Control in the Molybdenum Catalyzed Reactions of Trimethylsilyl and Ester Substituted Allylic Acetates*  
Organometallics **2** 1687 (1983)  
Trost, B.M.; Lautens, M.
273. *A Tandem Cycloaddition-Ene Strategy for the Synthesis of (+)-Verrucarol and (+)-4,11-Diepi-12,13-Deoxyverrucarol*  
J. Am. Chem. Soc. **106** 383 (1984)  
Trost, B.M.; McDougal, P.G.
274. *Molybdenum Catalyzed Eliminations of Allyl Acetates*  
Tetrahedron Lett. **24** 4525 (1983)  
Trost, B.M.; Lautens, M.; Peterson, B.
275.  *$\alpha$ -Substitution-Spiroannulation of Saturated Ketones*  
J. Am. Chem. Soc. **105** 6753 (1983)  
Trost, B.M.; Mao, M.K.
276. *A Biomimetic Approach to Plumericin*  
J. Am. Chem. Soc. **105** 6755 (1983)  
Trost, B.M.; Balkovec, J.M.; Mao, M.K.
277. *A Pursuit for Selectivity in Organic Synthesis*  
Chemistry in Britain **20** 315 (1984)  
Trost, B.M.
278. *Rotational Selectivity in Cyclobutene Ring Openings. Model Studies Directed Toward a Synthesis of Verrucaric A*  
J. Org. Chem. **49** 458 (1984)  
Trost, B.M.; McDougal, P.G.
279. *An Umpolung of Allyl Bis-Silanes. Tandem [6.5] Annulation via a Bi-Allyl Equivalent*  
J. Am. Chem. Soc. **105** 6757 (1983)  
Trost, B.M.; Shimizu, M.
280. *Tungsten Catalyzed Allylic Alkylations. New Avenues for Selectivity*  
J. Am. Chem. Soc. **105** 7757 (1983)  
Trost, B.M.; Hung, M-H.
281. *The "Chemist's Enzymes" as Templates for the Synthesis of Biologically Active Molecules.*  
Proc. 2nd SCI/RSC Med. Chem. Symposium 162 (1984)  
Trost, B.M.
282. *Strain and Selectivity: Partners for Organic Synthesis*  
Gazz. Chim. Ital. **114** 139 (1984)  
Trost, B.M.
283. *On the Palladium Catalyzed Alkylation of Silyl Substituted Allyl Acetates with Enolates*  
J. Org. Chem. **49** 468 (1984)  
Trost, B.M.; Self, C.R.
284. *An Umpolung of Aryl and Vinyl Halides Using Tris-(Trimethylsilyl) Aluminum. An Approach to Meta and Para Bridged Aromatics*  
Tetrahedron Lett. **24** 4895 (1983)  
Trost, B.M.; Yoshida, J-I.
285. *Selectivity: A Challenge for Organic Synthesis*  
The Chemist 6 (1984)  
Trost, B.M.
286. *Chemoselectivity in Molybdenum Catalyzed Alcohol and Aldehyde Oxidations*  
Tetrahedron Lett. **25** 173 (1984)  
Trost, B.M.; Masuyama, Y.

## Complete Sequential Listing - B.M. Trost Bibliography

287. *Molybdenum Catalyzed Reactions, Selectivity in Oxidations with Hydrogen Peroxide and Ammonium Molybdate*  
Israel J. Chem. **24** 134 (1984)  
Trost, B.M.; Masuyama, Y.
288. *2-Alkoxybenzo-1,3-dithiole-1,1,3,3,-tetraoxide. A Carbonyl 1,1-Dipole Synthone*  
J. Am. Chem. Soc. **106** 2469 (1984)  
Trost, B.M.; Quayle, P.
289. *Alkynyl-Sulfenylation. A Direct Approach for Nucleophilic Addition and Substitution of Olefins by Carbanions*  
J. Am. Chem. Soc. **106** 4263 (1984)  
Trost, B.M.; Martin, S.J.
290. *A Stereocontrolled 1,1,2-Trialkylation of Ketones*  
J. Am. Chem. Soc. **106** 5041 (1984)  
Trost, B.M.; Brandi, A.
291. *Group Transfer Polymerization 3. Lewis Acid Catalysis*  
Macromolecules **17** 1415 (1984)  
Hertler, W.R.; Sogah, D.Y.; Webster, O.W.; Trost, B.M.
292. *1-Acetoxy-1,3-bis(trimethylsilyl)prop-2-ene. A Synthone for a Propenyl-1,3-Dipole in Diene Synthesis*  
J. Org. Chem. **49** 4811 (1984)  
Trost, B.M.; Brandi, A.
293. *Stereochemistry of Allyl Sulfones. On the Structure of Metallated Allyl Sulfones and Their Stereochemistry of Alkylation*  
J. Am. Chem. Soc. **107** 396 (1985)  
Trost, B.M.; Schmuff, N.R.
294. *A Pd Mediated Cycloaddition Approach to Loganin Aglucone*  
J. Am. Chem. Soc. **107** 1293 (1985)  
Trost, B.M.; Nanninga, T.N.
295. *On the Regiochemistry of Metal Catalyzed Allylic Alkylation. A Model*  
J. Am. Chem. Soc. **106** 6837 (1984)  
Trost, B.M.; Hung, M-H.
296. *Inversion of the Electronic Reactivity of Allyl Acetates Using an Aluminum-Tin Reagent*  
J. Am. Chem. Soc. **106** 6835 (1984)  
Trost, B.M.; Herndon, J.W.
297. *A Three Carbon Intercalation of an Ene-diol Silyl Ether; A Short Entry to the Bicyclo[5.3.1]Undecyl System of Taxanes*  
Tetrahedron Lett. **25** 4605 (1984)  
Trost, B.M.; Fray, M.J.
298. *The Chemists' Enzymes. Templates for Cycloadditions Towards Cyclopentanoids*  
Chimia **38** 319 (1984)  
Trost, B.M.
299. *Sulfones as Chemical Chameleons. Cyclization via 1,1-Dipole Synthones*  
J. Am. Chem. Soc. **106** 7260 (1984)  
Trost, B.M.; Ghadiri, M.R.
300. *Regioselective Lithiation of *t*-Butyldimethylsilyloxy-3,5-di-methoxy-benzene. A Synthesis of the Trimethyl Ether of Sophoraflavanone*  
Tetrahedron Lett. **26** 123 (1985)  
Trost, B.M.; Saulnier, M.G.

## Complete Sequential Listing - B.M. Trost Bibliography

301. *Tandem Alkylation-Cycloaddition. Control by Transition Metal Templates*  
J. Am. Chem. Soc. **106** 7641 (1984)  
Trost, B.M.; Lautens, M.; Hung, M-H.; Carmichael, C.S.
302. *A Useful Approach for Determination of the Structure of Organosulfur Compounds: S-33 High Resolution FT-NMR*  
J. Am. Chem. Soc. **107** 262 (1984)  
Farrar, T.C.; Trost, B.M.; Tang, S.L.; Springer-Wilson, S.E.
303. *DMTSF Initiated Organometallic Additions to and Macrocyclizations of Thioketals*  
J. Am. Chem. Soc. **107** 719 (1985)  
Trost, B.M.; Sato, T.
304. *Allylic Geminal Acetates. Unusual Carbonyl Substitutes via Metal Catalyzed Reactions*  
Tetrahedron Lett. **26** 131 (1985)  
Trost, B.M.; Vercauteren, J.
305. *Chemoselectivity in Pd Mediated Cycloadditions of Substituted Trimethylenemethanes*  
J. Am. Chem. Soc. **107** 721 (1985)  
Trost, B.M.; Nanninga, T.N.; Satoh, T.
306. *Donor Stereospecificity of Pd Mediated Cycloadditions. A Case of Distal Attack of Acceptor on Donor*  
J. Am. Chem. Soc. **107** 1075 (1985)  
Trost, B.M.; Nanninga, T.N.
307. *Sculpting Horizons in Organic Chemistry*  
Science **227** 908 (1985)  
Trost, B.M.
308. *Diastereoselective[3+2]-Type. Heterocyclic Synthesis via 3-(2-Acetoxyethylallyl)-tri-n-butylstannane*  
J. Am. Chem. Soc. **107** 1778 (1985)  
Trost, B.M.; Bonk, P.J.
309. *Cyclization via Isomerization. A Palladium(+2) Catalyzed Cyclization of 1,6-Enynes to 1,3 and 1,4-Dienes*  
J. Am. Chem. Soc. **107** 1781 (1985)  
Trost, B.M.; Lautens, M.
310. *The Total Synthesis of Allamandin*  
Tetrahedron Lett. **26** 1807 (1985)  
Trost, B.M.; Balkovec, J.M.
311. *The "Chemists' Enzymes". New Avenues for Selectivity*  
Kemija u industriji (Chem. in Industry) (1985)  
Trost, B.M.
312. *A Model for Metal Templated Asymmetric Induction via  $\pi$ -Allyl Fragments*  
Organometallics **4** 1143 (1985)  
Trost, B.M.; Murphy, D.J.
313. *Strain and Selectivity: Partners for Selective Synthesis*  
Topics in Current Chemistry **133** 3 (1986)  
Trost, B.M.
314. *An Unusual Substituent Effect on a Pd Mediated Cyclization: A Total Synthesis of (+) Sterepolide*  
J. Am. Chem. Soc. **107** 4586 (1985)  
Trost, B.M.; Chung, J.Y.L.
315. *Addition Cyclization Catalyzed by Pd*  
Chemical Communications 1084 (1985)  
Trost, B.M.; Burgess, K.

## Complete Sequential Listing - B.M. Trost Bibliography

316. *A Palladium Mediated Reductive Cyclization*  
Tetrahedron Lett. **26** 4039 (1985)  
Trost, B.M.; Pietrusiewicz, K.M.
317. *Vicinal Cleavage of Allyl Epoxides with Retention of Stereochemistry: A Cis Hydroxylation Equivalent*  
J. Am. Chem. Soc. **107** 6123 (1985)  
Trost, B.M.; Angle, S.R.
318. *A Transfer Alkylation Approach to Pentalenolactone*  
Croat. Chim. Acta **58** 601 (1985)  
Trost, B.M.; Melvin, L.S. Jr.
319. *An Unusual Dichotomy in the Regioselectivity of a Metal Catalyzed Versus Thermal Ene Reaction*  
Tetrahedron Lett. **26** 4887 (1985)  
Trost, B.M.; Lautens, M.
320. *Transition Metals and Olefins. A Promising Land*  
J. Organomet. Chem. **300** 263 (1986)  
Trost, B.M.
321. *Cycloaddition Approaches to Five Membered Rings Via Trimethylenemethane and its Equivalents*  
Angew. Chem. Internat. Ed. Engl. **25** 1 (1986)  
Trost, B.M.
322. *Diastereoselectivity of a [3+2] Annulation. On the Question of a Dipole Effect on Diastereoselectivity of Olefin Addition*  
Tetrahedron Lett. **26** 6313 (1985)  
Trost, B.M.; Lynch, J.; Renaut, P.
323. *An Enantiocontrolled Cycloaddition Approach to (+)Brefeldin A*  
J. Am. Chem. Soc. **108** 284 (1986)  
Trost, B.M.; Lynch, J.; Renaut, P.; Steinman, D.J.
324. *On the Nucleophilic Nature of TMM-Pd L2 Intermediates: A Direct Pd Catalyzed Addition of Trimethylenemethane to Heteroatom Unsaturation*  
J. Am. Chem. Soc. **107** 8277 (1985)  
Trost, B.M.; Bonk, P.J.
325. *Organic Chemical Synthesis of Five Member Ring Compounds*  
McGraw-Hill Yearbook of Sci.and Tech. 333 (1987)  
Trost, B.M.
326. *A Chemo-, Regio-, and Diastereoselective Alkylation via Lewis Acid Promoted Substitutions of Sulfones*  
J. Am. Chem. Soc. **108** 1098 (1986)  
Trost, B.M.; Ghadiri, M.R.
327. *A Synthesis of Optically Active Isoquinuclidines Utilizing a Diastereoselectivity Control Element*  
J. Org. Chem. **51** 2332 (1986)  
Trost, B.M.; Romero, A.G.
328. *Synthesis of 4-Methylene-1-cyclopentenes*  
Tetrahedron Lett. **27** 1445 (1986)  
Trost, B.M.; Balkovec, J.M.; Angle, S.R.
329. *Synthetic Studies Toward Taxanes. A Sulfur Based Approach to the Benzilic Acid Rearrangement*  
Tetrahedron **42** 3323 (1986)  
Trost, B.M.; Hiemstra, H.
330. *A Total Synthesis of Plumericin, Allamcin, and Allamandin: Part 1 - Basic Strategy*  
J. Am. Chem. Soc. **108** 4965 (1986)  
Trost, B.M.; Mao, M.K.T.; Balkovec, J.M.; Buhlmyer, P.

## Complete Sequential Listing - B.M. Trost Bibliography

331. *A Total Synthesis of Plumericin, Allamcin, and Allamandin: Part 2 - A Biomimetic Strategy*  
 J. Am. Chem. Soc. **108** 4974 (1986)  
 Trost, B.M.; Balkovec, J.M.; Mao, M.K.T.
332. *On the Use of the O-Methylmandelate Ester for Establishment of Absolute Configuration of Secondary Alcohols*  
 J. Org. Chem. **51** 2370 (1986)  
 Trost, B.M.; Belletire, J.L.; Godleski, S.; McDougal, P.; Balkovec, J.M.;
333. *A Synthesis of Substituted Pyrrolidines via a Pd(+2) Catalyzed Cyclization. An Unusual Approach to a Carbapenem*  
 J. Am. Chem. Soc. **108** 6053 (1986)  
 Trost, B.M.; Chen, S-F.
334. *Regiochemical Directing Effects in Palladium Catalyzed Alkylations with Polyene Electrophilic Partners*  
 Tetrahedron Lett. **27** 4949 (1986)  
 Trost, B.M.; Urch, C.J.; Hung, M-H.
335. *Tandem Pd Catalyzed Elimination-Cyclization*  
 J. Org. Chem. **51** 3435 (1986)  
 Trost, B.M.; Mignani, S.M.
336. *Synthesis of Allyl Sulfides via a Palladium Mediated Allylation*  
 Tetrahedron Lett. **27** 4141 (1986)  
 Trost, B.M.; Scanlan, T.S.
337. *Synthesis of Trichonine via Double Elimination Reaction and Its Structural Reinvestigation*  
 J. Org. Chem. **51** 3896 (1986)  
 Moriyama, T.; Mandai, T.; Kawada, M.; Otera, J.; Trost, B.M.
338. *A Stereospecific Palladium Mediated [3+2] Cycloaddition*  
 Tetrahedron Lett. **27** 4137 (1986)  
 Trost, B.M.; Mignani, S.M.
339. *Carboxylative Trimethylenemethane Cycloadditions Catalyzed by Palladium*  
 J. Am. Chem. Soc. **108** 6051 (1986)  
 Trost, B.M.; Mignani, S.M.; Nanninga, T.N.
340. *Intramolecular Carbametallation Approach to Cyclopentanoids*  
 Chemica Scripta **27** 499 (1987)  
 Trost, B.M.
341. *Heterocyclic Acceptors in Diastereoselective Palladium Mediated [3+2] Cycloadditions*  
 Chemistry Letters 15 (1987)  
 Trost, B.M.; King, S.; Nanninga, T.N.
342. *A Synthetic Approach to Polyene Macrolides. Synthesis of the Building Blocks*  
 Tetrahedron Lett. **27** 5691 (1986)  
 Trost, B.M.; Metz, P.; Hane, J.T.
343. *A Synthetic Approach to Polyene Macrolides. Macrolide and Polyene Generation*  
 Tetrahedron Lett. **27** 5695 (1986)  
 Trost, B.M.; Hane, J.T.; Metz, P.
344. *An Example of Axial Selectivity in Nucleophilic Addition to Cyclohexanones and Cyclohexenones*  
 J. Am. Chem. Soc. **109** 613 (1987)  
 Trost, B.M.; Florez, J.; Jebaratnam, D.J.
345. *Stereochemical Control in Palladium Templated Reactions*  
 Stereochem. of Org. and Biorg. Transform **191** (1987)  
 Trost, B.M.

## Complete Sequential Listing - B.M. Trost Bibliography

346. *A Two Catalyst System for Cycloaddition of a Trimethylenemethane Fragment to Aldehydes*  
Tetrahedron Lett. **27** 5971 (1986)  
Trost, B.M.; King, S.A.
347. *A [6+3] Cycloaddition to Nine Membered Ring Carbocycles*  
J. Am. Chem. Soc. **109** 615 (1987)  
Trost, B.M.; Seoane, P.R.
348. *Chemoselectivity and Stereocontrol in Molybdenum Catalyzed Allyl Alkylations*  
J. Am. Chem. Soc. **109** 1469 (1987)  
Trost, B.M.; Lautens, M.
349. *Asymmetric cis-Hydroxylations via Epoxidation-Carboxylation: A Formal Synthesis of (+)-Citroviral*  
Tetrahedron Lett. **28** 375 (1987)  
Trost, B.M.; Lynch, J.; Angle, S.
350. *Unusual Chemoselectivity Using Difunctional Allylic Alkylating Agents*  
J. Am. Chem. Soc. **109** 2176 (1987)  
Trost, B.M.; Tometzki, G.B.; Hung, M-H.
351. *Sculpting Horizons in Organic Chemistry*  
Frontiers in the Chemical Sciences 305 (1986)  
Trost, B.M.
352. *Syntheses of the Picotaxane Skeleton via the Palladium(II) - Catalyzed Carbacyclization Reaction*  
Tetrahedron Lett. **28** 1611 (1987)  
Trost, B.M.; Jebaratnam, D.J.
353. *Regiochemical Diversity in Allylic Alkylations via Molybdenum Catalysts*  
Tetrahedron **43** 4817 (1987)  
Trost, B.M.; Lautens, M.
354. *A Reductive Cyclization of 1,6- and 1,7- Enynes*  
J. Am. Chem. Soc. **109** 3161 (1987)  
Trost, B.M.; Rise, F.
355. *A Metal Mediated Approach to Enynes*  
J. Am. Chem. Soc. **109** 3486 (1987)  
Trost, B.M.; Chan, C.; Ruhter, G.
356. *A [4+3] Cycloaddition of a Trimethylenemethane Fragment. An Approach to Polyhydroazulenes*  
J. Am. Chem. Soc. **109** 3483 (1987)  
Trost, B.M.; MacPherson, D.T.
357. *A Novel Palladium Catalyzed Reductive Cyclization*  
J. Am. Chem. Soc. **109** 3487 (1987)  
Trost, B.M.; Walchli, R.
358. *A Cis-Hydroxyamination Equivalent. Application to the Synthesis of (-)-Acosamine*  
J. Am. Chem. Soc. **109** 3792 (1987)  
Trost, B.M.; Sudhakar, A.R.
359. *Intramolecular Carbametallations. A [2+2+2] Cycloaddition as Evidence for a Palladiacyclopentene Intermediate*  
J. Am. Chem. Soc. **109** 4753 (1987)  
Trost, B.M.; Tanoury, G.J.
360. *Organosulfones as Chemical Chameleons. A Ring Expansion to  $\alpha$ -Methoxy and  $\alpha$ -Phenylthioketones*  
J. Am. Chem. Soc. **109** 4124 (1987)  
Trost, B.M.; Mikhail, G.K.



## Complete Sequential Listing - B.M. Trost Bibliography

361. *A Novel Nickel-Chromium Catalyst System for Cyclization via Intramolecular Carbametallation*  
J. Am. Chem. Soc. **109** 5268 (1987)  
Trost, B.M.; Tour, J.M.
362. *Origin of Enhanced Axial Attack by Nucleophiles on Cyclohexenones*  
J. Am. Chem. Soc. **109** 5560 (1987)  
Wu, Y-D.; Houk, K.N.; Trost, B.M.
363. *Tetra-n-butylammonium Oxone. Oxidations Under Anhydrous Conditions*  
J. Org. Chem. **53** 532 (1988)  
Trost, B.M.; Braslau, R.
364. *A Transition Metal Controlled Synthesis of Aristeromycin and 2,3-Diepi-Aristeromycin. An Unusual Directive Effect in Hydroxylations*  
J. Am. Chem. Soc. **110** 621 (1988)  
Trost, B.M.; Kuo, G.H.; Benneche, T.
365. *2-Trimethylsilylmethyl-1-trimethylsilylpropen-3-yl Carboxylates in Cycloaddition. A Novel Approach for Substitutive Cyclopentannulation*  
J. Am. Chem. Soc. **110** 1602 (1988)  
Trost, B.M.; Mignani, S.M.; Nanninga, T.N.
366. *Transition Metal Templates as Guides for Cyclizations*  
Phil. Trans. Royal Society, Series A **326** 511 (1988)  
Trost, B.M.
367. *A Synthesis of  $\beta$ -Necrodol via a Palladium Catalyzed Reductive Enyne Cyclization*  
Tetrahedron Letters **29** 1231 (1988)  
Trost, B.M.; Braslau, R.L.
368. *Umpolung of  $\pi$ -Allylpalladium Intermediates. A Chemoselective Reductive Elimination of Diols*  
J. Org. Chem. **53** 915 (1988)  
Trost, B.M.; Tometzki, G.B.
369. *An Unusual Mechanism of a Pd Catalyzed Intramolecular Carbametallation. A Novel Palladium Catalyzed Rearrangement*  
J. Am. Chem. Soc. **110** 1636 (1988)  
Trost, B.M.; Tanoury, G.J.
370. *Transition Metal Templates as Guides for Cyclization Reactions*  
Proc. First Prin. Chulaborn Sci. Cong. **3** 155 (1989)  
Trost, B.M.
371. *A Simple Synthesis of Dienones via Isomerization of Alkynones Effected by Pd Catalysts*  
J. Am. Chem. Soc. **110** 2301 (1988)  
Trost, B.M.; Schmidt, T.
372. *Chemical Chameleons. Organosulfones as Synthetic Building Blocks*  
Bull. Chem. Soc. Japan **61** 107 (1988)  
Trost, B.M.
373. *Studies Directed Toward Taxanes. Preparation of  $\alpha$ -Ketols by Oxidative Ring-Opening of Epoxides.*  
Tetrahedron Lett. **29** 2163 (1988)  
Trost, B.M.; Fray, M.J.
374. *On Criteria for Concertedness in Cycloadditions*  
J. Am. Chem. Soc. **110** 3687 (1988)  
Trost, B.M.; Miller, M.L.
375. *Double Diastereoselectivity in Addition of Metallated Propionitrile to Enones*  
J. Org. Chem. **53** 2394 (1988)  
Trost, B.M.; Florez, J.; Haller, K.J.

## Complete Sequential Listing - B.M. Trost Bibliography

376. *Palladium Catalyzed Chemoselective Cyclization to Cyclic Ethers*  
Tetrahedron Lett. **29** 2927 (1988)  
Trost, B.M.; Tenaglia, A.
377. *Tin Mediated, Palladium Catalyzed Regiocontrolled Alkylations of Vinyl Epoxides*  
Tetrahedron Lett. **29** 2931 (1988)  
Trost, B.M.; Tenaglia, A.
378. *Some Synthetic Implications of the Concept of Cyclopropyl Units as Pseudofunctional Groups*  
Proceedings of NATO Workshop on Strain and Its Implications in **1** (1989)  
Trost, B.M.
379. *Diastereoselectivity Control Elements. Acyclic Diastereocontrol in Formation and Reactions of  $\gamma$ -Hydroxysulfones*  
J. Am. Chem. Soc. **110** 5216 (1988)  
Trost, B.M.; Merlic, C.A.
380. *A Metal Catalyzed Cyclization of Enallenes*  
J. Am. Chem. Soc. **110** 5231 (1988)  
Trost, B.M.; Tour, J.M.
381. *A Biomimetic Synthesis of d,l-Petiodial. A Novel Palladium Catalyzed Enallene Cyclization*  
J. Am. Chem. Soc. **110** 5233 (1988)  
Trost, B.M.; Matsuda, K.
382. *A Catalytic Reductive Cyclization of 1,6-Diynes*  
J. Am. Chem. Soc. **110** 7255 (1988)  
Trost, B.M.; Lee, D.C.
383. *Cyclization Terminators. Vinylcyclopropanol as a Composite Pseudofunctional Group*  
J. Am. Chem. Soc. **110** 6556 (1988)  
Trost, B.M.; Lee, D.C.
384. *Metal Catalyzed Cyclization via Isomerization of  $\alpha$ -Dienyl- $\omega$ -Allyl Acetates*  
J. Am. Chem. Soc. **110** 8239 (1988)  
Trost, B.M.; Luengo, J.I.
385. *Transition Metal Templates as Guides for Cycloadditions*  
Pure Appl. Chem. **60** 1615 (1988)  
Trost, B.M.
386. *A Stereoselective Contrasteric Conversion of Epoxides to cis-Oxazolidin-2-ones*  
J. Am. Chem. Soc. **110** 7933 (1988)  
Trost, B.M.; Sudhakar, A.R.
387. *A Convenient Alternative Approach to 2-Acetoxyethyl-3-trimethylsilylpropene*  
J. Org. Chem. **53** 4887 (1988)  
Trost, B.M.; Büch, M.; Miller, M.L.
388. *Transition Metal Templates as Catalysts for Selective Organic Transformations*  
Chemtracts-Organic Chemistry **1** 415 (1988)  
Trost, B.M.
389. *The Synthesis of 4-(Dimethylphenylsilyl)buta-2,3-dien-1-ol and its Use in Alkylation*  
J. Org. Chem. **54** 484 (1989)  
Trost, B.M.; Tour, J.M.
390. *Pyrones as Substrates for [4+3] Pd Catalyzed Cycloadditions*  
Angew. Chem. Int. Ed. Eng. **28** 213 (1989)  
Trost, B.M.; Schneider, S.
391. *A New Palladium Catalyst for Intramolecular Carbametalations of Enynes*  
Tetrahedron Lett. **30** 651 (1989)  
Trost, B.M.; Lee, D.C.; Rise, F.

## Complete Sequential Listing - B.M. Trost Bibliograph

392. *On an Oxatrimethylenemethanepalladium(0) Complex. An Unusual Pd(0) Catalyzed Cyclopropanation*  
J. Am. Chem. Soc. **111** 4430 (1989)  
Trost, B.M.; Schneider, S.
393. *A Cycloaddition Strategy Directed Toward the Spiro Ring System of the Ginkgolides*  
Tetrahedron Lett. **30** 1495 (1989)  
Trost, B.M.; Acemoglu, M.
394. *The Hydroxy Group as a Regio- and Stereochemical Control Element for Sequential Metal Catalyzed and Thermal Cyclizations*  
J. Org. Chem. **54** 2271 (1989)  
Trost, B.M.; Lee, D.C.
395. *The Palladium Catalyzed Trimethylenemethane Reaction to Form Methylenetetrahydrofurans. Aldehyde and Ketone Substrates and the Tin Effect*  
J. Am. Chem. Soc. **111** 5902 (1989)  
Trost, B.M.; King, S.A.; Schmidt, T.
396. *Cyclizations via Pd Catalyzed Allylic Alkylations*  
Angew. Chem. Int. Ed. Eng. **28** 1173 (1989)  
Trost, B.M.
397. *Stereoelectronic Requirements of a Pd(0) Catalyzed Cyclization. A Synthesis of allo-Pumiliotoxin 339B*  
J. Am. Chem. Soc. **111** 4988 (1989)  
Trost, B.M.; Scanlan, T.S.
398. *A Stereocontrolled Cyclopentenone Synthesis Via Cycloaddition*  
J. Am. Chem. Soc. **111** 7487 (1989)  
Trost, B.M.; Seoane, P.; Mignani, S.; Acemoglu, M.
399. *On the Mechanism of Pd(0) Catalyzed Formation of Oxazolidin-2-ones from Vinyl Epoxides*  
Tetrahedron Lett. **30** 3893 (1989)  
Trost, B.M.; Hurnaus, R.
400. *Asymmetric Induction in a Pd Catalyzed TMM Cycloaddition. Mechanistic Implications Regarding the Reactive Intermediate*  
J. Am. Chem. Soc. **111** 6482 (1989)  
Trost, B.M.; Yang, B.; Miller, M.L.
401. *An Unusual Stereochemical Directing Effect of a Propargylic Oxygen Substituent on an Intramolecular Diels-Alder Reaction*  
Tetrahedron Lett. **30** 7157 (1989)  
Trost, B.M.; Holcomb, R.C.
402. *A Convenient Chemoselective Semihydrogenation of Acetylenes Using Homogeneous Catalysis*  
Tetrahedron Lett. **30** 4657 (1989)  
Trost, B.M.; Braslau, R.
403. *The Effect of Acetylene Substituents on a Pd(+2) Catalyzed Cycloisomerization. A Total Synthesis of (-)-Sterepolide and Assignment of Absolute Stereochemistry*  
Angew. Chem. Internat. Ed. Engl. **28** 1502 (1989)  
Trost, B.M.; Hipskind, P.A.; Chung, J.Y.L.; Chan, C.
404. *A Cycloisomerization Approach to Tetrahydrofurans*  
J. Org. Chem. **54** 4489 (1989)  
Trost, B.M.; Edstrom, E.; Carter-Petillo, M.B.
405. *Pd Catalyzed Synthesis of Macrocycles. A Total Synthesis of (-)-Aspochalasin B*  
J. Am. Chem. Soc. **111** 8281 (1989)  
Trost, B.M.; Ohmori, M.; Boyd, S.A.; Okawara, H.; Brickner, S.J.

## Complete Sequential Listing - B.M. Trost Bibliography

406. *A Cycloisomerization of  $\alpha,\omega$ -Diyne to Macrocycles*  
J. Am. Chem. Soc. **111** 8745 (1989)  
Trost, B.M.; Matsubara, S.; Caringi, J.
407. *A [3+2] Cycloaddition Strategy to the Phyllanthocin Ring System*  
Heterocycles **28** 321 (1989)  
Trost, B.M.; Moeller, K.D.
408. *The Palladium Catalyzed Trimethylenemethane Reaction to Form Methylenetetrahydrofurans. Reactions of Substituted TMM Precursors and Mechanistic Interpretation*  
J. Am. Chem. Soc. **112** 408 (1990)  
Trost, B.M.; King, S.A.
409. *Palladium Catalyzed Cycloisomerizations of Enynes and Related Reactions*  
Accounts Chem. Res. **23** 34 (1990)  
Trost, B.M.
410. *Template Directed Synthesis of (+)-Allosamizoline and Its 3,4-Epimers*  
J. Am. Chem. Soc. **112** 1261 (1990)  
Trost, B.M.; Van Vranken, D.L.
411. *An Asymmetric Approach to 2-Deoxynucleosides via Organosulfur Building Blocks as Chemical Chameleons*  
Carbohydrate Res. **202** 1 (1990)  
Trost, B.M.; Nübling, C.
412. *Regioselective Cyclopropanation via Unsymmetrical Oxatrimethylenemethane Palladium Intermediates*  
Tetrahedron Lett. **31** 615 (1990)  
Trost, B.M.; Urabe, H.
413. *Cycloisomerization of Enynes as a Valuable Tool for the Synthesis of Natural Products*  
Studies in Natural Products Chemistry. Stereoselective Synthesis **8** 277 (1991)  
Trost, B.M.
414. *A Metal Catalyzed Cycloreduction Approach to Phyllanthocin*  
Angew. Chem. Internat. Ed. Eng. **29** 520 (1990)  
Trost, B.M.; Edstrom, E.D.
415. *Geminal Alkylation: Substitutions of Allyl Sulfones. Regiocontrol via Molybdenum Catalysis*  
J. Org. Chem. **55** 1127 (1990)  
Trost, B.M.; Merlic, C.A.
416. *Novel Allene-Acetylene Cross-Condensation Catalyzed by Palladium Complexes*  
J. Am. Chem. Soc. **112** 2816 (1990)  
Trost, B.M.; Kottirsch, G.
417. *A Novel Silicon Directed Alkylative Cyclization*  
J. Am. Chem. Soc. **112** 4982 (1990)  
Trost, B.M.; Urabe, H.
418. *On 1,4-Diastereoselectivity in the Aldol Condensation of Methyl Ketones*  
J. Org. Chem. **55** 3982 (1990)  
Trost, B.M.; Urabe, H.
419. *Computational Modeling of Stereoselectivity in the Diels-Alder Reactions of Dienol Esters of O-Methylmandelic Acid and the Question of  $\pi$ -Stacking*  
J. Am. Chem. Soc. **112** 5465 (1990)  
Tucker, J.A.; Houk, K.N.; Trost, B.M.
420. *A Ruthenium Catalyzed Reconstitutive Condensation of Acetylenes and Allyl Alcohols*  
J. Am. Chem. Soc. **112** 7809 (1990)  
Trost, B.M.; Dyker, G.; Kulawiec, R.J.

## Complete Sequential Listing - B.M. Trost Bibliography

421. *An Unusual Oxidative Cyclization. A Synthesis and Absolute Stereochemical Assignment of (-)-Rocaglamide*  
J. Am. Chem. Soc. **112** 9022 (1990)  
Trost, B.M.; Greenspan, P.D.; Yang, B.W.; Saulnier, M.G.
422. *Ligand Dependence of Molybdenum Catalyzed Alkylations. Molybdenum Isonitrile Complexes as a New Class of Highly Reactive Alkylation Catalysts*  
J. Am. Chem. Soc. **112** 9590 (1990)  
Trost, B.M.; Merlic, C.A.
423. *Annulation Via Alkylation-Alder Ene Cyclizations. A Pd Catalyzed Cycloisomerization of 1,6-Enynes*  
J. Am. Chem. Soc. **113** 636 (1991)  
Trost, B.M.; Lautens, M.; Chan, C.; Jebaratnam, D.J.; Mueller, T.
424. *Activation in Transition Metal Catalysis by Catalyst Relay. A Synthetic Approach to (-)-Dendrobine*  
J. Am. Chem. Soc. **113** 670 (1991)  
Trost, B.M.; Tasker, A.S.; Rühler, G.; Brandes, A.
425. *A Carbonyl 1,1-Zwitterion Synthon for Ester and Macrolide Synthesis*  
J. Am. Chem. Soc. **113** 1044 (1991)  
Trost, B.M.; Granja, J.R.
426. *A Pd Catalyzed Zipper Reaction*  
J. Am. Chem. Soc. **113** 701 (1991)  
Trost, B.M.; Shi, Y.
427. *A Convenient Synthesis of  $\gamma$ -Hydroxy- $\alpha,\beta$ -Unsaturated Sulfones*  
J. Org. Chem. **56** 3189 (1991)  
Trost, B.M.; Grese, T.A.
428. *Transition Metal Catalyzed Cycloisomerizations of Enynes*  
Janssen Chimica Acta **9** 3 (1991)  
Trost, B.M.
429. *An Intramolecular Enyne Metathesis Reaction. A Route To Bridged Bicycles with Bridgehead Olefins*  
J. Am. Chem. Soc. **113** 1850 (1991)  
Trost, B.M.; Trost, M.K.
430. *An Asymmetric Synthesis of (+)-Phyllanthocin*  
Tetrahedron Lett. **32** 1613 (1991)  
Trost, B.M.; Kondo, Y.
431. *Regioselective Joining of Prenyl Units. A Simple Strategy for Geometry Control in Pd Catalyzed Allylic Alkylations*  
Tetrahedron Lett. **32** 2193 (1991)  
Trost, B.M.; Granja, J.R.
432. *A Chemoselective Internal Redox of Allyl Alcohols to Saturated Aldehydes or Ketones*  
Tetrahedron Lett. **32** 3039 (1991)  
Trost, B.M.; Kulawiec, R.J.
433. *Template Directed Diastereoselectivity. Cyclizations to Contrathermodynamic Products*  
J. Am. Chem. Soc. **113** 5076 (1991)  
Trost, B.M.; Lee, P.H.
434. *Intramolecular Palladium Catalyzed Trimethylenemethane Cycloadditions. Initial Studies*  
J. Am. Chem. Soc. **113** 7350 (1991)  
Trost, B.M.; Grese, T.A.; Chan, D.M.T.
435. *Mechanistic Dichotomies in Pd Catalyzed Enyne Metathesis of Cyclic Olefins*  
Tetrahedron Lett. **32** 3647 (1991)  
Trost, B.M.; Trost, M.K.

## Complete Sequential Listing - B.M. Trost Bibliography

436. *A Flexible Strategy to Polyfunctional Cyclopentanes. A Synthesis of Mannostatin A*  
J. Am. Chem. Soc. **113** 6317 (1991)  
Trost, B.M.; Van Vranken, D.L.
437. *Cyclizations Made Easy by Transition Metal Catalysts*  
ACS Advances in Chemistry Series **230** 463 (1992)  
Trost, B.M.
438. *Theoretical Studies of Stereoselectivities of Nucleophilic 1,2-Additions to Cyclohexenones. Transition Structures and Force-Field Models for Metal Hydride and Keteniminate Additions to Ketones*  
J. Org. Chem. **56** 3656 (1991)  
Wu, Y.-D.; Houk, K.N.; Florez, J.; Trost, B.M.
439. *A Novel Pd Catalyzed Deoxygenation of Eneidiols to 1,3-Dienes*  
Synthesis 1235 (1991)  
Trost, B.M.; Tometzki, G.B.
440. *Intramolecular Palladium Catalyzed Cycloadditions with a Cleavable Tether*  
J. Am. Chem. Soc. **113** 7363 (1991)  
Trost, B.M.; Grese, T.A.
441. *A Convenient Synthesis of N-Tosylsulfonimines*  
J. Org. Chem. **56** 6468 (1991)  
Trost, B.M.; Marrs, C.
442. *Synthesis of Allosamidin*  
J. Chem. Soc., Chem. Commun. 1099 (1991)  
Maloisel, J.-L.; Vasella, A.; Trost, B.M.; Van Vranken, D.L.
443. *The Acyl Effect on Intramolecular Palladium Catalyzed Trimethylenemethane Cycloadditions*  
J. Org. Chem. **57** 686 (1992)  
Trost, B.M.; Grese, T.A.
444. *A Selectivity Control Element for Pd Catalyzed Trimethylenemethane Cycloadditions*  
J. Am. Chem. Soc. **113** 9007 (1991)  
Trost, B.M.; Matelich, M.C.
445. *The Atom Economy: A Search for Synthetic Efficiency*  
Science **254** 1471 (1991)  
Trost, B.M.
446. *Synthesis and Palladium-catalyzed Cycloaddition of the Bifunctional Conjunctive Reagent Methyl 2-Trimethylsilylmethyl-E-3-pentyl Carbonate*  
Synthesis 151 (1992)  
Trost, B.M.; Matelich, M.C.
447. *Asymmetric Ligands for Transition Metal Catalyzed Reactions. 2-Diphenylphosphinobenzoyl Derivatives of C2-Symmetric Diols and Diamines*  
Angew. Chem. Int. Ed. Eng. **31** 228 (1992)  
Trost, B.M.; Van Vranken, D.L.
448. *N-Nitrosulfoximines as Chemical Chameleons for Chiral Synthesis*  
Synlett 27 (1992)  
Trost, B.M.; Matsuoka, R.T.
449. *Abiological Catalysis for Synthetic Efficiency*  
Pure Appl. Chem. **64** 315 (1992)  
Trost, B.M.
450. *On Palladium Catalyzed Cyclizations to Medium Sized Carbocycles*  
Tetrahedron Lett. **33** 717 (1992)  
Trost, B.M.; Vos, B.A.; Brzezowski, C.M.; Martina, D.P.

## Complete Sequential Listing - B.M. Trost Bibliography

451. *Cycloisomerization for Atom Economy. Polycycle Construction via Tandem Transition Metal Catalyzed - Electrocyclic Processes*  
J. Am. Chem. Soc. **114** 791 (1992)  
Trost, B.M.; Shi, Y.
452. *A Pd Catalyzed Alkylative Cyclization of 1,6- and 1,7-Enynes*  
J. Am. Chem. Soc. **114** 1923 (1992)  
Trost, B.M.; Pfrengle, W.; Urabe, H.; Dumas, J.
453. *A New Strategy for the Total Synthesis of 1 $\alpha$ -Hydroxyvitamin D Derivatives*  
J. Am. Chem. Soc. **114** 1924 (1992)  
Trost, B.M.; Dumas, J.
454. *Atom Economy. A Simple Pd Catalyzed Addition of Pronucleophiles with Dienes*  
Tetrahedron Lett. **33** 1831 (1992)  
Trost, B.M.; Zhi, L.
455. *On The Mechanism of the Ru Catalyzed Reconstitutive Condensation of Allyl Alcohols and Terminal Acetylenes*  
J. Am. Chem. Soc. **114** 5579 (1992)  
Trost, B.M.; Kulawiec, R.J.
456. *Asymmetric Allylic Alkylations as a Strategy for the Synthesis of Natural Products*  
Advances in Natural Product Chemistry (Harwood) 19 (1992)  
Trost, B.M.
457. *Cyclorearrangement and Cycloolefination of Keto-bis-sulfones. A Sulfone Analog of a Pinacol Reduction-Rearrangement*  
J. Am. Chem. Soc. **114** 5432 (1992)  
Trost, B.M.; Neilsen, J.B.; Hoogsteen, K.
458. *A Novel Ru Catalyzed Tandem Cyclization-Reconstitutive Addition of Propargyl Alcohols with Allyl Alcohols*  
J. Am. Chem. Soc. **114** 5476 (1992)  
Trost, B.M.; Flygare, J.A.
459. *A Total Asymmetric Synthesis of the Isolactarane Sesquiterpene (-)-Merulidial*  
Tetrahedron Lett. **33** 4541 (1992)  
Trost, B.M.; Hipskind, P.A.
460. *A Synthesis of S-(-)-Ipsenol from Lactic Acid*  
Tetrahedron Lett. **33** 4675 (1992)  
Trost, B.M.; Rodriguez, M.S.
461. *Intermolecular Additions and Cycloisomerizations by Pd Catalyzed Internal Redox-Addition*  
Angew. Chem. Int. Ed. Engl. **31** 1335 (1992)  
Trost, B.M.; Brieden, W.; Baringhaus, K.H.
462. *A Pd Catalyzed Cycloisomerization of Alkynyl-N-acylenamines*  
J. Am. Chem. Soc. **114** 7292 (1992)  
Trost, B.M.; Pedregal, C.
463. *Coordinative Co-Catalysis via Indium (+3). A Chemoselectivity Switch in a Palladium Catalyzed Cycloaddition*  
J. Am. Chem. Soc. **114** 7903 (1992)  
Trost, B.M.; Sharma, S.; Schmidt, T.
464. *A Modular Approach to Ligand Design for Asymmetric Allylic Alkylations via Enantioselective Palladium-Catalyzed Ionizations*  
J. Am. Chem. Soc. **114** 9327 (1992)  
Trost, B.M.; Van Vranken, D.L.; Bingel, C.

## Complete Sequential Listing - B.M. Trost Bibliography

465. *New Strategies for the Synthesis of Vitamin D Metabolites via Pd Catalyzed Reactions*  
J. Am. Chem. Soc. **114** 9836 (1992)  
Trost, B.M.; Dumas, J.; Villa, M.
466. *Citation Classic: Synthetic Dehydrogenation of Carbonyl and Related Compounds*  
Current Contents ET&AS **23** 11 (1992)  
Trost, B.M.
467. *A Novel Pd Catalyzed Cycloalkylation to Isoxazoline-2-oxides. Application to the Asymmetric Synthesis of Carbanucleosides*  
J. Am. Chem. Soc. **114** 8745 (1992)  
Trost, B.M.; Li, L.; Guile, S.D.
468. *Internal Redox Catalyzed by Triphenylphosphine*  
J. Am. Chem. Soc. **114** 7933 (1992)  
Trost, B.M.; Kazmaier, U.
469. *On the Regioselectivity of Pd Catalyzed Intramolecular Carbametalations*  
Tetrahedron Lett. **34** 19 (1993)  
Trost, B.M.; Dumas, J.
470. *General Synthetic Strategies Toward Aminocyclopentitol Glycosidase Inhibitors. Application of Palladium Catalysis to the Synthesis of Allosamizoline and Mannostatin A*  
J. Am. Chem. Soc. **115** 444 (1993)  
Trost, B.M.; Van Vranken, D.L.
471. *Synthesis of Allosamidin*  
Helv. Chim. Acta **75** 1515 (1992)  
Maloisel, J.-L.; Vasella, A.; Trost, B.M.; Van Vranken, D.L.
472. *Sulfones as Chemical Chameleons. Heteratom Substituted Allyl Sulfones as Conjunctive Reagents*  
Bull. Soc. Chim. France **130** 433 (1993)  
Trost, B.M.; Ghadiri, M.R.
473. *Triphenylsilanol as a Water Surrogate for Regioselective Pd Catalyzed Allylations*  
Tetrahedron Lett **34** 1421 (1993)  
Trost, B.M.; Ito, N.; Greenspan, P.D.
474. *Ruthenium Catalyzed Reconstitutive Condensation. Application to Functionalized Steroid Side Chains*  
Tetrahedron Lett. **34** 587 (1993)  
Trost, B.M.; Kulawiec, R.J.; Hammes, A.
475. *Methyl 2-Pyridinesulfinate. A Convenient Reagent for Sulfinylation - Dehydrosulfinylation*  
J. Org. Chem. **58** 1579 (1993)  
Trost, B.M.; Parquette, J.R.
476. *Chemoselectivity in the Ruthenium Catalyzed Redox Isomerization of Allyl Alcohols*  
J. Am. Chem. Soc. **115** 2027 (1993)  
Trost, B.M.; Kulawiec, R.J.
477. *Vicinal Alkynylation-Alkylation Via a Tandem Michael Addition - Transition Metal Catalyzed Alkylation Reaction*  
Tetrahedron Lett. **34** 2271 (1993)  
Trost, B.M.; Li, C.-J.
478. *A Ruthenium Catalyzed Addition of Alkenes to Acetylenes*  
J. Am. Chem. Soc. **115** 4361 (1993)  
Trost, B.M.; Indolese, A.



## Complete Sequential Listing - B.M. Trost Bibliography

479. *On the Mechanism of 1,6-Enyne Metathesis Catalyzed by TCPC(HFB). Evidence for Alkylidenepalladium Intermediates*  
Angew. Chem. Int. Ed. Engl. **32** 1085 (1993)  
Trost, B.M.; Hashmi, A.S.K.
480. *A Pd Catalyzed [2+2] Cycloaddition. On the Mechanism of a Pd Catalyzed Enyne Metathesis*  
J. Am. Chem. Soc. **115** 5294 (1993)  
Trost, B.M.; Yanai, M.; Hoogsteen, K.
481. *A [3+2] and [4+3] Cycloaddition Approach to N-Heterocycles via Pd Catalyzed TMM Reactions with Imines*  
J. Am. Chem. Soc. **115** 6636 (1993)  
Trost, B.M.; Marrs, C.M.
482. *The Effect of Tether Substituents on the Selectivity of Pd Catalyzed Enyne Cyclizations. A Total Synthesis of Chokol C*  
Tetrahedron Lett. **34** 4735 (1993)  
Trost, B.M.; Phan, L.T.
483. *An Approach to Botrydianes. On the Steric Demands of a Metal Catalyzed Enyne Metathesis Synthesis*  
824 (1993)  
Trost, B.M.; Chang, V.K.
484. *Antibiotics. A Challenge for New Methodology*  
"Antibiotics and Antiviral Compounds", Krohn, K.; Kirst, H.A.; Maag, Trost, B.M. 1 (1993)
485. *Palladium Catalyzed Cyclizations of Polyenyne. A Palladium Zipper*  
J. Am. Chem. Soc. **115** 9421 (1993)  
Trost, B.M.; Shi, Y.
486. *1,5-Cyclooctadiene as a bis-Homodiene Partner in a Metal Catalyzed [4+2] Cycloaddition*  
J. Am. Chem. Soc. **115** 8831 (1993)  
Trost, B.M.; Imi, K.; Indolese, A.F.
487. *In(+3) as a Chemoselectivity Switch for TMM-PdL<sub>2</sub> Cycloadditions to Ynones*  
Tetrahedron Lett. **34** 7183 (1993)  
Trost, B.M.; Sharma, S.; Schmidt, T.
488. *Ru Catalyzed Addition of Allyl Alcohols and Acetylenes. A Simple Synthesis of  $\gamma,\delta$ -Unsaturated Ketones*  
J. Am. Chem. Soc. **115** 10402 (1993)  
Trost, B.M.; Martinez, J.A.; Kulawiec, R.J.; Indolese, A.F.
489. *On the Nature of the Ion Pair as a Nucleophile in Pd Catalyzed Alkylations with Dienyl Carboxylates*  
Tetrahedron Lett. **34** 7513 (1993)  
Trost, B.M.; Bunt, R.C.
490. *Double Diastereoselectivity in the Hydroxylative Knoevenagel Condensation*  
Tetrahedron Lett. **34** 8025 (1993)  
Trost, B.M.; Mallart, S.
491. *A Reactivity Control Substituent in the Pd-Catalyzed Cycloisomerization of 1,7-Enynes*  
Tetrahedron Lett. **34** 8233 (1993)  
Trost, B.M.; Gelling, O.J.
492. *Diastereoselective Cycloisomerizations of Ene-diyne via Pd Catalysis*  
J. Am. Chem. Soc. **115** 12491 (1993)  
Trost, B.M.; Shi, Y.

## Complete Sequential Listing - B.M. Trost Bibliography

493. *Intermolecular 1,3-Dipolar Cycloadditions of Munchnones with Acetylenic Dipolarophiles: Sorting out the Regioselectivity*  
Tetrahedron **50** 93 (1994)  
Coppola, B.P.; Noe, M.; Schwartz, D.J.; Il Abdon, R.L.; Trost, B.M.
494. *Asymmetric Induction in Pd Catalyzed Enyne Cycloisomerizations*  
Tetrahedron Lett. **35** 211 (1994)  
Trost, B.M.; Czeskis, B.A.
495. *A Practical Synthesis of Rosefuran. Furans from Acetylenes and Allyl Alcohols*  
J. Org. Chem. **59** 1078 (1994)  
Trost, B.M.; Flygare, J.A.
496. *A Novel Cycloalkylation of 1,6- and 1,7-Enynes with Stabilized Pronucleophiles*  
Tetrahedron Lett. **35** 1361 (1994)  
Trost, B.M.; Zhi, L.; Imi, K.
497. *A Synthesis of 4-Phenyl-2-phenylsulfonyl-3-vinylcyclopentanone via Palladium Catalyzed 1,3-Oxygen-to-Carbon Alkyl Shift*  
Bull. Korean Chem. Soc. **14** 637 (1993)  
Lee, P.H.; Kim, J.J.; Trost, B.M.
498. *A Cycloaddition Approach to Cyclopentenes via Metalladienes as 4 $\pi$  Partners*  
J. Am. Chem. Soc. **116** 2183 (1994)  
Trost, B.M.; Hashmi, A.S.K.
499. *A Pd Catalyzed Cycloisomerization to 1,2-Dialkylidenecycloalkanes, Part I*  
J. Am. Chem. Soc. **116** 4255 (1994)  
Trost, B.M.; Tanoury, G.J.; Lautens, M.; Chan, C.; MacPherson, D.T.
500. *A Pd Catalyzed Cycloisomerization to 1,2-Dialkylidenecycloalkanes, Part II. An Alternative Catalyst System*  
J. Am. Chem. Soc. **116** 4268 (1994)  
Trost, B.M.; Romero, D.L.; Rise, F.
501. *Enhanced Synthetic Efficiency Towards Natural Products via Transition Metal Catalyzed Reactions*  
Pure Appl. Chem. **66** 2007 (1994)  
Trost, B.M.
502. *A Novel "Umpolung" in C-C Bond Formation Catalyzed by Triphenylphosphine*  
J. Am. Chem. Soc. **116** 3167 (1994)  
Trost, B.M.; Li, C.-J.
503. *Asymmetric Induction in Allylic Alkylations of 3-Acyloxy cycloalkenes*  
J. Am. Chem. Soc. **116** 4089 (1994)  
Trost, B.M.; Bunt, R.C.
504. *A Butenolide Synthesis Based Upon a Contra-Electronic Addition in a Ru Catalyzed Alder Ene Reaction. Synthesis and Absolute Configuration of (+)-Ancepsenolide*  
J. Am. Chem. Soc. **116** 4985 (1994)  
Trost, B.M.; Müller, T.J.J.
505. *A Synthesis of the Spiroketal Subunit of (-)-Calyculin A*  
Tetrahedron Lett. **35** 4059 (1994)  
Trost, B.M.; Flygare, J.A.
506. *On the Use of O-Methylmandelic Acid for the Establishment of Absolute Configuration of  $\alpha$ -Chiral Primary Amines*  
J. Org. Chem. **59** 4203 (1994)  
Trost, B.M.; Bunt, R.C.; Pulley, S.R.

## Complete Sequential Listing - B.M. Trost Bibliography

507. *On the Nature of the Asymmetric Induction in a Palladium Catalyzed Allylic Alkylation*  
Tetrahedron Lett. **35** 5817 (1994)  
Trost, B.M.; Breit, B.; Organ, M.G.
508. *A Concise Convergent Strategy to Acetogenins. (+)-Solamin and Analogues*  
J. Am. Chem. Soc. **116** 7459 (1994)  
Trost, B.M.; Shi, Z.
509. *A Total Synthesis of (+)-2'S,3'R-Zoapatanol*  
Angew. Chem. Int. Ed. Eng. **33** 2182 (1994)  
Trost, B.M.; Greenspan, P.D.; Geissler, H.; Kim, J.H.; Greeves, N.
510. *Atom Economy. A Challenge for Organic Synthesis - Homogeneous Catalysis Leads The Way*  
Angew. Chem. Int. Ed. Engl. **34** 259 (1995)  
Trost, B.M.
511. *Preparation of Dienylstannanes via Pd Catalyzed Regio- and Stereo-Controlled Addition Reactions*  
Synthesis 1267 (1994)  
Trost, B.M.; Li, C.-J.
512. *A Practical Synthesis of a 1,7-Enyne A - Ring Synthone En Route Toward the Total Synthesis of Vitamin D3 Analogues*  
Tetrahedron Lett. **35** 8119 (1994)  
Trost, B.M.; Hanson, P.R.
513. *Deracemization of Cyclic Allyl Esters*  
J. Am. Chem. Soc. **116** 10320 (1994)  
Trost, B.M.; Organ, M.G.
514. *A TMM Cycloaddition Strategy to the Bicyclo[6.3.0.]undecyl Ring System. A Total Synthesis of 11-Hydroxyjasione*  
J. Org. Chem. **59** 7568 (1994)  
Trost, B.M.; Parquette, J.R.
515. *Pd-Catalyzed Cycloaddition of Vinylcyclopentenes with Trimethylenemethane: Substituent Effect on [4+3] vs [3+2] Selectivity*  
Chem. Lett. 2245 (1994)  
Trost, B.M.; Yamazaki, S.
516. *Phosphine Catalyzed Isomerization-Addition of Oxygen Nucleophiles to 2-Alkynoates*  
J. Am. Chem. Soc. **116** 10819 (1994)  
Trost, B.M.; Li, C.-J.
517. *A Ru Catalyzed Addition of Alkenes to Alkynes*  
J. Am. Chem. Soc. **117** 615 (1995)  
Trost, B.M.; Indolese, A.F.; Müller, T.J.J.; Treptow, B.
518. *A Ru Catalyzed Synthesis of Butenolides and Pentenolides via Contra-Electronic  $\alpha$ -Alkylation of Hydroxyalkynoates*  
J. Am. Chem. Soc. **117** 1888 (1995)  
Trost, B.M.; Müller, T.J.J.; Martinez, J.
519. *Effect of High Pressure on a Transition Metal Catalyzed Cycloaddition*  
J. Am. Chem. Soc. **117** 3284 (1995)  
Trost, B.M.; Parquette, J.R.; Marquart, A.L.
520. *Palladium Catalyzed Cyclopropyl-Substituted Trimethylenemethane Cycloadditions*  
Tetrahedron Lett. **36** 2917 (1995)  
Trost, B.M.; Parquette, J.R.; Nübling, C.
521. *On the Pd Catalyzed Addition of Pronucleophiles to Allenes*  
J. Am. Chem. Soc. **117** 5156 (1995)  
Trost, B.M.; Gerusz, V. J.

## Complete Sequential Listing - B.M. Trost Bibliography

522. *Elaboration of Conjugated Alkenes Initiated by Insertion into a Vinylic C-H Bond*  
J. Am. Chem. Soc. **117** 5371 (1995)  
Trost, B.M.; Imi, K.; Davies, I.W.
523. *Nickel Catalyzed Coupling of Allyl Amines and Boronic Acids*  
J. Chem. Soc. Perkin Trans. 1 2083 (1995)  
Trost, B.M.; Spagnol, M.D.
524. *Asymmetric Alkylation of Allylic Gem Dicarboxylates*  
J. Am. Chem. Soc. **117** 7247 (1995)  
Trost, B.M.; Lee, C.-B.; Weiss, J.M.
525. *Directing Tandem Catalyzed Reactions as an Approach to Furans and Butenolides*  
J. Am. Chem. Soc. **117** 7255 (1995)  
Trost, B.M.; McIntosh, M.C.
526. *An Enantioselective Synthesis of cis-4-t-Butoxycarbonyl-1-methoxycarbonyl-2-cyclopentene. A Useful, General Building Block*  
Chem. Eur. J. **1** 568 (1995)  
Trost, B. M.; Stenkamp, D.; Pulley, S.R.
527. *Synthetic Studies to Acetogenins. The Hydroxybutenolide Terminus*  
Tetrahedron Lett. **36** 6021 (1995)  
Trost, B.M.; Calkins, T.L.
528. *Asymmetric Synthesis of Allylic Sulfones. Useful Asymmetric Building Blocks*  
J. Am. Chem. Soc. **117** 9662 (1995)  
Trost, B.M.; Organ, M.G.; O'Doherty, G.A.
529. *A Two Metal Catalyst System for Redox Isomerization of Propargyl Alcohols to Enals and Enones*  
J. Am. Chem. Soc. **117** 9586 (1995)  
Trost, B.M.; Livingston, R.C.
530. *A New Platform for Design of Ligands for Asymmetric Induction in Allylic Alkylations*  
Angew. Chem. Int. Ed. Eng. **34** 2386 (1995)  
Trost, B.M.; Breit, B.; Peukert, S.; Zambrano, J.; Ziller, J.W.
531. *Theoretical and Experimental Studies of the Diels Alder Dimerizations of Substituted Cyclopentadienes*  
J. Am. Chem. Soc. **117** 10931 (1995)  
Froese, R.D.J.; Organ, M.G.; Goddard, J.D.; Stack, T.D.P.; Trost, B.M.
532. *An Asymmetric Total Synthesis of (+)-Pancratistatin*  
J. Am. Chem. Soc. **117** 10143 (1995)  
Trost, B.M.; Pulley, S.R.
533. *On the Flexibility of Allylic Azides as Synthetic Intermediates*  
Tetrahedron Letters **36** 8737 (1995)  
Trost, B.M.; Pulley, S.R.
534. *Asymmetric Introduction of Heteroatoms*  
Pure Appl. Chem. **68** 779 (1996)  
Trost, B.M.
535. *Asymmetric Transition Metal Catalyzed Allylic Alkylation*  
Chem. Rev. **96** 395 (1996)  
Trost, B.M.; VanVranken, D.L.
536. *On Ligand Design for Outer Sphere Catalytic Reactions. A Simple Asymmetric Synthesis of Vinylglycinol*  
Angew. Chem. Int. Ed. Eng. **35** 99 (1996)  
Trost, B.M.; Bunt, R.C.

## Complete Sequential Listing - B.M. Trost Bibliography

537. *A General Strategy for the Asymmetric Synthesis of the Picrotoxanes*  
J. Am. Chem. Soc. **118** 233 (1996)  
Trost, B.M.; Krische, M.J.
538. *On the Question of the Symmetry of Formally Symmetrical  $\pi$ -Allylpalladium Cationic Intermediates in Allylic Alkylations*  
J. Am. Chem. Soc. **118** 235 (1996)  
Trost, B.M.; Bunt, R.C.
539. *From Furan to Nucleosides*  
J. Am. Chem. Soc. **118** 3039 (1996)  
Trost, B.M.; Shi, Z.
540. *A Short Enantioselective Synthesis of Carbanucleosides*  
Angew. Chem. Int. Ed. Eng. **35** 1569 (1996)  
Trost, B.M.; Madsen, R.; Guile, S.D.; Elia, A.E.H.
541. *Synthesis and Alkylation of Cyclopentane  $\beta$ -Ketoximes Sulfones.  $\alpha,\alpha$ -Methylation - Alkynylation of Cyclopentanone*  
Tetrahedron **52** 6903 (1996)  
Trost, B.M.; Barrett, D.
542. *Iterative Pd Catalyzed Additions for a Synthesis of Methyl 7,8,11,12-Tetrahydroretinoate*  
Tetrahedron Letters **37** 3971 (1996)  
Trost, B.M.; Harms, A.E.
543. *On Pd Catalyzed Cycloisomerization vs Cycloreduction. A General Strategy for Drimane Synthesis and a Short Total Synthesis of Siccanin*  
J. Am. Chem. Soc. **118** 5146 (1996)  
Trost, B.M.; Fleitz, F.J.; Watkins, W.J.
544. *On Asymmetric Induction in Allylic Alkylation via Enantiotopic Facial Discrimination*  
J. Am. Chem. Soc. **118** 6297 (1996)  
Trost, B.M.; Krische, M.J.; Radinov, R.; Zanoni, G.
545. *Designing a Receptor for Molecular Recognition in a Catalytic Synthetic Reaction: Allylic Alkylation*  
Accounts Chem. Res. **29** 355 (1996)  
Trost, B.M.
546. *A New Pd Catalyzed Addition. A Mild Method for the Synthesis of Coumarins*  
J. Am. Chem. Soc. **118** 6305 (1996)  
Trost, B.M.; Toste, F.D.
547. *A New Catalyst for a Pd Catalyzed Alder Ene Reaction. A Total Synthesis of (+)-Cassiol*  
J. Am. Chem. Soc. **118** 6625 (1996)  
Trost, B.M.; Li, Y.
548. *On the Question of Asymmetric Induction with Acyclic Allylic Substrates. An Asymmetric Synthesis of (+)-Polyoxamic Acid*  
J. Am. Chem. Soc. **118** 6520 (1996)  
Trost, B.M.; Krueger, A.C.; Bunt, R.C.; Zambrano, J.
549. *Molecular Gymnastics of Alkynes Orchestrated by Ruthenium Complexes*  
Chem. Ber. **129** 1313 (1996)  
Trost, B.M.
550. *On the Diastereoselectivity of Intramolecular Pd Catalyzed TMM Cycloadditions. An Asymmetric Synthesis of the Perhydroazulene (-)-Isoclavukerin A*  
J. Am. Chem. Soc. **118** 10094 (1996)  
Trost, B.M.; Higuchi, R.I.

## Complete Sequential Listing - B.M. Trost Bibliography

551. *An Asymmetric Synthesis of (-)-Epibatidine*  
Tetrahedron Lett. **37** 7485 (1996)  
Trost, B.M.; Cook, G.C.
552. *Vinylcyclobutanols: A Composite Functional Group*  
J. Am. Chem. Soc. **118** 12541 (1996)  
Trost, B.M.; Chen, D.W.C.
553. *Palladium Catalyzed Additions of Terminal Alkynes to Acceptor Alkynes*  
J. Am. Chem. Soc. **119** 698 (1997)  
Trost, B.M.; Sorum, M.; Chan, C.; Harms, A.E.; Rühler, G.
554. *Crafting Chiral Space for a Catalytic Reaction: Allylic Alkylation*  
Proceedings of the Robert A. Welch Foundation - 40th Conference on  
Trost, B.M. 13 (1997)
555. *An Asymmetric Synthesis of Vigabatrin*  
Tetrahedron Letters **37** 9161 (1996)  
Trost, B.M.; Lemoine, R.C.
556. *Crafting Chiral Space. The Synthesis of C<sub>2</sub> - Symmetric Diphosphine Ligands for an Outer-Sphere Catalytic Reaction*  
Bull. Soc. Chim. France **134** 263 (1997)  
Trost, B.M.; Marschner, C.
557. *A Short Preparation of (S)-(E)-1-(O-Methylmandeloxyl)butadiene*  
J. Org. Chem. **62** 736 (1997)  
Trost, B.M. Chupak, L.S.; Lübbers, T.
558. *A Ru Catalyzed Three Component Addition to Form 1,5-Diketones*  
J. Am. Chem. Soc. **119** 836 (1997)  
Trost, B.M.; Portnoy, M.; Kurihara, H
559. *A Simple Divergence from Asymmetric Cyclopropane to Lactone Annulation*  
J. Am. Chem. Soc. **119** 2735 (1997)  
Trost, B.M.; Tanimori, S.; Dunn, P.T.
560. *An Enantio- and Diastereocontrolled Synthesis of (-)Neplanocin A and its 2,3-Di-Epi Isomer*  
Tetrahedron Lett. **38** 1707 (1997)  
Trost, B.M.; Madsen, R.; Guile, S.D.
561. *Desymmetrization of Prochiral Diesters via Transition Metal Catalyzed Reactions*  
Israel J. Chem. **37** 109 (1997)  
Trost, B.M.
562. *An Unusual Selectivity in Pd Catalyzed Cross-Coupling of Terminal Alkynes*  
Tetrahedron Lett. **38** 3207 (1997)  
Trost, B.M.; McIntosh, M.C.
563. *Palladium-Catalyzed Additions of Vinyl Epoxides to Pronucleophile: A Synthesis of the Macrolactam Aglycone of Fluviricin B1*  
Angew. Chem. Int. Ed. Engl. **36** 1486 (1997)  
Trost, B.M.; Ceschi, M.A.; König, B.
564. *Enhancing Efficiency of a Synthetic Reaction. Palladium Catalyzed Allylic Alkylation*  
Green Chemistry: Frontiers in Benign Chemical Synthesis and **Chapt. 6** 101-110 (1998)  
Trost, B.M.
565. *A Facile Cycloisomerization for the Formation of Medium and Large Rings via Allenes*  
Angew. Chem. Int. Ed. Engl. **36** 1750 (1997)  
Trost, B.M.; Michellys, P.-Y.; Gerusz, V.J.

## Complete Sequential Listing - B.M. Trost Bibliography

566. *On the Effect of a Cation Binding Site in an Asymmetric Ligand for a Catalyzed Nucleophilic Substitution Reaction*  
 J. Am. Chem. Soc. **119** 5962 (1997)  
 Trost, B.M.; Radinov, R.
567. *Nucleophilic  $\alpha$ -Addition to Alkynoates. A Synthesis of Dehydroamino Acids*  
 J. Am. Chem. Soc. **119** 7595 (1997)  
 Trost, B.M.; Dake, G.R.
568. *Asymmetric Alkylation of  $\beta$ -Ketoesters*  
 J. Am. Chem. Soc. **119** 7879 (1997)  
 Trost, B.M.; Radinov, R.; Grenzer, E.M.
569. *Nitrogen Pronucleophiles in the Phosphine Catalyzed  $\gamma$ -Addition to Methyl Butynoate*  
 J. Org. Chem. **62** 5670 (1997)  
 Trost, B.M.; Dake, G.R.
570. *Transition Metal Catalyzed Cycloisomerizations*  
 Synlett 1 (1998)  
 Trost, B.M.; Krische, M.J.
571. *A Convergent Synthesis of (+) - Parviflorin, (+) - Squamocin K, and (+) - 5S-Hydroxyparviflorin*  
 Angew. Chem. Int. Ed. Engl. **36** 2632 (1997)  
 Trost, B.M.; Calkins, T.L.; Bochet, C.G.
572. *Catalytic Asymmetric Alkylation of Nucleophiles. Asymmetric Synthesis of  $\alpha$ -Alkylated Amino Acids*  
 Angew. Chem. Int. Ed. Engl. **36** 2635 (1997)  
 Trost, B.M.; Ariza, X.
573. *Propargyl Alcohols as Synthons for Allenols in Conjugate Addition*  
 J. Am. Chem. Soc. **119** 11319 (1997)  
 Trost, B.M.; Krause, L.; Portnoy, M.
574. *Molecular Gymnastics of Alkynes Orchestrated by Ruthenium Complexes*  
 1997 Otsuka Symposium (1997)  
 Trost, B.M.
575. *On the Effect of the Nature of Ion Pairs as Nucleophiles in a Metal Catalyzed Substitution Reaction*  
 J. Am. Chem. Soc. **120** 70 (1998)  
 Trost, B.M.; Bunt, R.C.
576. *Asymmetric O and C Alkylation of Phenols*  
 J. Am. Chem. Soc. **120** 815 (1998)  
 Trost, B.M.; Toste, F.D.
577. *Enhanced Enantioselectivity in the Desymmetrization of meso-Biscarbamates*  
 J. Org. Chem. **63** 1339 (1998)  
 Trost, B.M.; Patterson, D.E.
578. *Catalyst Controlled Diastereoselective N-Alkylations of  $\alpha$ -Amino Esters*  
 Tetrahedron Lett. **39** 1713 (1998)  
 Trost, B.M.; Calkins, T.L.; Oertelt, C.; Zambrano, J.
579. *Total Synthesis of (+)- and (+)-Valienamine via a Strategy Derived from New Palladium Catalyzed Reactions*  
 J. Am. Chem. Soc. **120** 1732 (1998)  
 Trost, B.M.; Chupak, L.S.; Lübbbers, T.
580. *Asymmetric Molybdenum Catalyzed Allylations*  
 J. Am. Chem. Soc. **120** 1104 (1998)  
 Trost, B.M.; Hachiya, I.

## Complete Sequential Listing - B.M. Trost Bibliography

581. *Total Synthesis of Methyl PicROTOXATE via the Palladium Catalyzed Enyne Cycloisomerization Reaction*  
Tetrahedron **54** 3693 (1998)  
Krische, M.J.; Trost, B.M.
582. *Novel Polymer-Supported Trialkylsilanes and Their Use in Solid-Phase Organic Synthesis*  
J. Org. Chem. **63** 4518 (1998)  
Hu, Y.; Porco, J.A.; Labadie, J.W.; Gooding, O.W.; Trost, B.M.
583. *Basic Aspects of Organic Synthesis with Transition Metals*  
Transition Metals For Organic Synthesis, Bolm, C.; Beller, M.; ed. 3 (1998)  
Trost, B.M.
584. *A New Strategy for the Synthesis of Sphingosine Analogues. Sphingofungin F*  
J. Am. Chem. Soc. **120** 6818 (1998)  
Trost, B.M.; Lee, C.B.
585. *Transformations of the PicROTOXANES: The Synthesis of Corianin and Structural Analogues from PicROTOXININ*  
Tetrahedron **54** 7109 (1998)  
Krische, M.J.; Trost, B.M.
586. *A Catalytic Enantioselective Approach to Chromans and Chromanols. A Total Synthesis of (-)-Calanolides A and B and the Vitamin E Nucleus*  
J. Am. Chem. Soc. **120** 9074 (1998)  
Trost, B.M.; Toste, F.D.
587. *A Route to Z-Enediynes via Pd Catalyzed Alkyne Additions*  
Tetrahedron Lett. **39** 6445 (1998)  
Trost, B.M.; Hachiya, I.; McIntosh, M.C.
588. *Ru Catalyzed Alder Ene Type Reactions. A Formal Synthesis of Alternaric Acid*  
J. Am. Chem. Soc. **120** 9228 (1998)  
Trost, B.M.; Probst, G.; Schoop, A.
589. *Designing Transition Metal Complexes for Molecular Recognition in Synthetic Transformations*  
Recent Trends in Molecular Recognition **Springer** 1 (1998)  
Trost, B.M.
590. *When is a Proton Not a Proton?*  
Chem. Eur. J. **4** 2405 (1998)  
Trost, B.M.
591. *Novel Chiral Bidentate  $\eta^5$ -Cyclopentadienyl-Phosphine Ligands. Their Asymmetric Induction at the Ruthenium (II) Center and Application in Catalysis*  
Chem. Eur. J. **5** 1055 (1999)  
Trost, B.M.; Vidal, B.; Thommen, M.
592. *Pd Catalyzed Kinetic Resolution of Conduritol B. An Asymmetric Synthesis of (+)-Cyclophellitol*  
Tetrahedron Lett. **40** 219 (1999)  
Trost, B.M.; Hembre, E.J.
593. *A Two Component Catalyst System for Asymmetric Allylic Alkylations with Alcohol Pronucleophiles*  
J. Am. Chem. Soc. **120** 12702 (1998)  
Trost, B.M.; McEachern, E.; Toste, F.D.
594. *An Asymmetric Synthesis of (-)-Anatoxin-a via an Asymmetric Cyclization Using a New Ligand for Pd Catalyzed Alkylations*  
J. Am. Chem. Soc. **121** 3057 (1999)  
Trost, B.M.; Oslob, J.D.



## Complete Sequential Listing - B.M. Trost Bibliography

595. *A Ruthenium Catalyzed Three Component Coupling to Form E-Vinyl Chlorides*  
J. Am. Chem. Soc. **121** 1988 (1999)  
Trost, B.M.; Pinkerton, A.B.
596. *Palladium Catalyzed Kinetic and Dynamic Kinetic Asymmetric Transformation of 5-Acyloxy-2-(5H)-Furanone. Enantioselective Synthesis of (-)-Aflatoxin B Lactone*  
J. Am. Chem. Soc. **121** 3543 (1999)  
Trost, B.M.; Toste, F.D.
597. *A Ruthenium Catalyzed Two Component Addition to Form 1,3-Dienes*  
J. Am. Chem. Soc. **121** 4068 (1999)  
Trost, B.M.; Pinkerton, A.B.
598. *Regio- and Enantioselective Allylic Alkylations of an Unsymmetrical Substrate. A Working Model*  
J. Am. Chem. Soc. **121** 4545 (1999)  
Trost, B.M.; Toste, F.D.
599. *The Palladium-Catalyzed Enyne Cycloisomerization Reaction in a General Approach to the Asymmetric Synthesis of the Picrotoxane Sesquiterpenes. Part I. First Generation Total Synthesis of Corianin and Formal Syntheses of Picrotoxinin and Picrotin*  
J. Am. Chem. Soc. **121** 6183 (1999)  
Trost, B.M.; Haffner, C.; Jebaratnam, D.; Krische, M.J.; Thomas, A.
600. *The Palladium-Catalyzed Enyne Cycloisomerization Reaction in an Asymmetric Approach to the Picrotoxane Sesquiterpenes. Part II. Second Generation Total Syntheses of Corianin, Picrotoxin, Picrotin, and Methyl Picrotoxate*  
J. Am. Chem. Soc. **121** 6131 (1999)  
Trost, B.M.; Krische, M.J.
601. *A Versatile Enantioselective Strategy Towards L-C-Nucleosides; A Total Synthesis of L-Showdomycin*  
J. Org. Chem. **64** 5427 (1999)  
Trost, B.M.; Kallander, L.S.
602. *On the Synthesis of Z- $\gamma$ -Amino- $\alpha,\beta$ -Unsaturated Esters Via Ru Catalyzed Coupling*  
Organic Letters **1** 67 (1999)  
Trost, B.M.; Roth, G.J.
603. *An Asymmetric Synthesis of the Vitamin E Core by Pd Catalyzed Discrimination of Enantiotopic Alkene Faces*  
Synthesis 1491 (1999)  
Trost, B.M.; Asakawa, N.
604. *Palladium-Catalyzed Asymmetric Alkylation of Ketone Enolates*  
J. Am. Chem. Soc. **121** 6759 (1999)  
Trost, B.M.; Schroeder, G.M.
605. *Transition Metal-Catalyzed Asymmetric Allylic Alkylation (AAA) Reactions*  
Catalytic Asymmetric Synthesis II, I. Ojima, ed. 593 (2000)  
Trost, B.M.; Lee, C.B.
606. *Inorganic Carbonates as Nucleophiles for the Asymmetric Synthesis of Vinylglycidols*  
J. Am. Chem. Soc. **121** 8649 (1999)  
Trost, B.M.; McEachern, E. J.
607. *cis-5-Amino-6-hydroxycyclohexadiene as a Chiral Building Block. An Asymmetric Synthesis of (-)-Swainsonine*  
Chem. Eur. J. **5** 3279 (1999)  
Trost, B. M.; Patterson, D.E.

## Complete Sequential Listing - B.M. Trost Bibliography

608. *Towards the Total Synthesis of Saponaceolides. A Synthesis of cis-2,4-Disubstituted-3,3-dimethylmethylenecyclohexane*  
Angew. Chem. Int. Ed. **38** 3662 (1999)  
Trost, B.M.; Corte, J.R.; Gudiksen, M.S.
609. *A Total Synthesis of (+)-Saponaceolide B*  
Angew. Chem. Int. Ed. **38** 3664 (1999)  
Trost, B.M.; Corte, J.R.
610. *Chiral Recognition for Control of Alkene Geometry in a Transition Metal Catalyzed Allylic Alkylation*  
J. Am. Chem. Soc. **121** 8667 (1999)  
Trost, B.M.; Heinemann, C.; Ariza, X.; Weigand, S.
611. *Ruthenium-Catalyzed Cycloisomerization of 1,5-Enynes Initiated by C-H Activation*  
J. Am. Chem. Soc. **121** 9728 (1999)  
Trost, B.M.; Toste, F.D.
612. *A new Ru Catalyst for Alkene-Alkyne Coupling*  
Tetrahedron Lett. **40** 7739 (1999)  
Trost, B.M.; Toste, F.D.
613. *Regio- and Enantioselective Molybdenum Catalyzed Alkylations of Polyenyl Esters*  
J. Am. Chem. Soc. **121** 10416 (1999)  
Trost, B.M.; Hildbrand, S.; Dogra, K.
614. *Kinetic Dynamic Asymmetric Transformations of Conduritol B Tetracarboxylates. An Asymmetric Synthesis of D-myo-Inositol 1,4,5-Triphosphate*  
J. Am. Chem. Soc. **121** 10834 (1999)  
Trost, B.M.; Patterson, D.E.; Hembre, E.J.
615. *Enantioselective Allylations of Azlactones with Unsymmetrical Acyclic Allyl Esters*  
J. Am. Chem. Soc. **121** 10727 (1999)  
Trost, B.M.; Ariza, X.
616. *A Ruthenium Catalyzed Alkylative Cycloetherification*  
J. Am. Chem. Soc. **121** 10842 (1999)  
Trost, B.M., Pinkerton, A.B.
617. *Ruthenium-Catalyzed Cycloisomerization-Oxidation of Homopropargyl Alcohols. A New Access to  $\gamma$ -Butyrolactones*  
J. Am. Chem. Soc. **121** 11680 (1999)  
Trost, B.M.; Rhee, Y.-H.
618. *A Mechanistic Dichotomy Leading to a Ruthenium-Catalyzed cis-Addition for a Stereoselective Formation of (Z)-Vinyl Bromides*  
Angew. Chem. Int. Ed. **39** 360 (2000)  
Trost, B.M.; Pinkerton, A.B.
619. *Ruthenium-Catalyzed Cycloisomerizations of 1,6- and 1,7-Enynes*  
J. Am. Chem. Soc. **122** 714 (2000)  
Trost, B.M.; Toste, F.D.
620. *Ruthenium Catalyzed Intramolecular {5+2} Cycloadditions*  
J. Am. Chem. Soc. **122** 2379 (2000)  
Trost, B.M.; Toste, F.D.; Shen, H.
621. *Palladium Catalyzed Asymmetric Allylic Alkylation of Barbituric Acid Derivatives: Enantioselective Synthesis of Cyclopentobarbital and Pentobarbital*  
J. Org. Chem. **65** 1569 (2000)  
Trost, B.M.; Schroeder, G.M.

## Complete Sequential Listing - B.M. Trost Bibliography

622. *Deracemization of Baylis-Hillman Adducts*  
 J. Am. Chem. Soc. **122** 3534 (2000)  
 Trost, B.M.; Tsui, H.-C.; Toste, F.D.
623. *An Asymmetric Synthesis of the Tricyclic Core and a Formal Total Synthesis of Roseophilin via an Enyne Metathesis*  
 J. Am. Chem. Soc. **122** 3801 (2000)  
 Trost, B.M.; Doherty, G.A.
624. *Cyclic 1,2-Diketones as Building Blocks for Asymmetric Synthesis of Cycloalkenones*  
 J. Am. Chem. Soc. **122** 3785 (2000)  
 Trost, B.M.; Schroeder, G.M.
625. *A New Strategy for Cyclopentenone Synthesis*  
 Org. Lett. **2** 1601 (2000)  
 Trost, B.M.; Pinkerton, A.B.
626. *Diastereo- and Enantioselective Allylation of Substituted Nitroalkanes*  
 J. Am. Chem. Soc. **122** 6291 (2000)  
 Trost, B.M.; Surivet, J.P.
627. *A Ruthenium Catalyzed Hydrative Cyclization and [4+2] Cycloaddition of Yne-Enones*  
 J. Am. Chem. Soc. **122** 5877 (2000)  
 Trost, B.M.; Brown, R.E.; Toste, F.D.
628. *Palladium-Catalyzed Enantioselective Synthesis of Carbanucleosides*  
 J. Am. Chem. Soc. **122** 5947 (2000)  
 Trost, B.M.; Madsen, R.; Guile, S.D.; Brown, B.
629. *A Regioselective Ru Catalyzed Alkene-Alkyne Coupling*  
 Org. Lett. **2** 1761 (2000)  
 Trost, B.M.; Machacek, M.; Schnaderbeck, M.J.
630.  *$\alpha$ -Acetoxysulfones as "Chiral Aldehyde" Equivalents*  
 J. Am. Chem. Soc. **122** 6120 (2000)  
 Trost, B.M.; Crawley, M.L.; Lee, C.B.
631. *Dynamic Kinetic Asymmetric Transformations of Diene Monoepoxides. A Practical Asymmetric Synthesis of Vinylglycinol, Vigabatrin, and Ethambutol*  
 J. Am. Chem. Soc. **122** 5968 (2000)  
 Trost, B.M.; Bunt, R.C.; Lemoine, R.; Calkins, T.L.
632. *Asymmetric Alkylation of Nitroalkanes*  
 Angew. Chem. Int. Ed. **39** 3122 (2000)  
 Trost, B.M.; Surivet, J.P.
633. *On the Regioselectivity of the Ru Catalyzed Intramolecular [5+2] Cycloaddition*  
 Org. Lett. **2** 2523 (2000)  
 Trost, B.M.; Shen, H.C.
634. *A Ru Catalyzed Four-Component Coupling*  
 J. Am. Chem. Soc. **122** 8081 (2000)  
 Trost, B.M.; Pinkerton, A.B.
635. *Enhanced Geometrical Control in a Ru-Catalyzed Three Component Coupling*  
 Tetrahedron Lett. **41** 9627 (2000)  
 Trost, B.M.; Pinkerton, A.B.
636. *Atom Economical Syntheses of Oxygen Heterocycles via Tandem Palladium Catalyzed Reactions*  
 J. Am. Chem. Soc. **122** 11727 (2000)  
 Trost, B.M.; Frontier, A.J.

## Complete Sequential Listing - B.M. Trost Bibliography

637. *Enantioselective Total Synthesis of (-)-Galanthamine*  
J. Am. Chem. Soc. **122** 11262 (2000)  
Trost, B.M.; Toste, F.D.
638. *A Direct Catalytic Enantioselective Aldol Reaction via a Novel Catalyst Design*  
J. Am. Chem. Soc. **122** 12003 (2000)  
Trost, B.M.; Ito, H.
639. *Asymmetric Synthesis of Quaternary Centers. Total Synthesis of (-)-Malyngolide*  
Org. Lett. **2** 4013 (2000)  
Trost, B.M.; Tang, W.; Schulte, J.L.
640. *A Ruthenium Catalyzed Pyrrolidine and Piperidine Synthesis*  
J. Am. Chem. Soc. **122** 12007 (2000)  
Trost, B.M.; Pinkerton, A.B.; Kremzow, D.
641. *Synthesis of the First (1-3:6,7- $\eta^5$ -Cyclodecadienyl)Ruthenium Complex by the Intramolecular Reaction of Alkenes and Vinylcyclopropanes*  
Angew. Chem. Int. Ed. **40** 1114 (2001)  
Trost, B.M.; Toste, F.D.
642. *Atom Economy. Aldol-Type Products by Vanadium Catalyzed Additions of Propargyl Alcohols and Aldehydes*  
J. Am. Chem. Soc. **123** 1230 (2001)  
Trost, B.M.; Oi, S.
643. *Asymmetric Induction of Conduritols via AAA Reactions. Synthesis of the Aminocyclohexitol of Hygromycin A*  
Chem. Eur. J. **7** 1619 (2001)  
Trost, B.M.; Dudash, J., Jr.; Hembre, E.J.
644. *Geminal-Dicarboxylates as Carbonyl Surrogates for Asymmetric Synthesis. Part 1. Asymmetric Addition of Malonate Nucleophiles*  
J. Am. Chem. Soc. **123** 3671 (2001)  
Trost, B.M.; Lee, C.B.
645. *Geminal-Dicarboxylates as Carbonyl Surrogates for Asymmetric Synthesis. Part II. Scope and Applications*  
J. Am. Chem. Soc. **123** 3687 (2001)  
Trost, B.M.; Lee, C.B.
646. *An Atom Economical Three Carbon Chain Extension of Alkynes to Form E-Enol Silanes*  
J. Am. Chem. Soc. **123** 2897 (2001)  
Trost, B.M.; Surivet, J.-P.; Toste, F.D.
647. *An Atom Economic Three Carbon Chain Extension to Enamides*  
Angew. Chem. Int. Ed. **40** 1468 (2001)  
Trost, B.M.; Surivet, J.P.
648. *Asymmetric Aldol Reaction via a Dinuclear Zinc Catalyst.  $\alpha$ -Hydroxyketones as Donors*  
J. Am. Chem. Soc. **123** 3367 (2001)  
Trost, B.M.; Ito, H.; Silcoff, E.
649. *AAA in KAT/DYKAT Processes. First and Second Generation Asymmetric Synthesis of (+)- and (-)-Cyclophellitol*  
Chem. Eur. J. **7** 3768 (2001)  
Trost, B.M.; Patterson, D.E.; Hembre, E.J.
650. *An Unusual Regioselectivity in the Pd Catalyzed Cross Coupling of Alkynes. A Correction*  
Tetrahedron Lett. **42** 3375 (2001)  
Trost, B.M.; Gunzner, J.L.; Yasukata, T.

## Complete Sequential Listing - B.M. Trost Bibliography

651. *A Catalytic Asymmetric Wagner-Meerwein Shift*  
J. Am. Chem. Soc. **123** 7162 (2001)  
Trost, B.M.; Yasukata, T.
652. *Constructing Tricyclic Compounds Containing a 7-Membered Ring by Ruthenium Catalyzed Intramolecular [5+2] Cycloaddition*  
Angew. Chem. Int. Ed. **40** 2313 (2001)  
Trost, B.M.; Shen, H.C.
653. *Non-Metathesis Ruthenium Catalyzed C-C Bond Formation*  
Chem. Rev. **101** 2067 (2001)  
Trost, B.M.; Toste, F.D.; Pinkerton, A.B.
654. *Chemoselectivity in the Pd-Catalyzed Cyclization of 1,6-Enynes and Proof of the Relative Configuration of the New Stereogenic Centers*  
Adv. Syn. Catal. **343** 490 (2001)  
Trost, B.M.; Hashmi, A.S.K.; Ball, R.G.
655. *Direct Asymmetric Aldol Reactions of Acetone Using Bimetallic Zinc Catalysts*  
Org. Lett. **3** 2497 (2001)  
Trost, B.M.; Silcoff, E.; Ito, H.
656. *On the Source of Stereochemical Information in Ligands for Pd Catalyzed AAA Reaction*  
Synlett 907 (2001)  
Trost, B.M.; Zambrano, J.; Richter, W.
657. *An Unusual Ruthenium Catalyzed Dimerization of Propargyl Alcohols*  
J. Am. Chem. Soc. **123** 8862 (2001)  
Trost, B.M.; Rudd, M.T.
658. *An Asymmetric Synthesis of C-2-epi-Hygroscopicin A*  
Angew. Chem. Int. Ed. **40** 3658 (2001)  
Trost, B.M.; Dirat, O.; Dudash, J., Jr.; Hembre, E.J.
659. *Total Synthesis of Deschlorocallipeltoside A*  
J. Am. Chem. Soc. **123** 9449 (2001)  
Trost, B.M.; Gunzner, J.L.
660. *A Three Component Coupling Approach to Cyclopentanoids*  
J. Org. Chem. **66** 7714 (2001)  
Trost, B.M.; Pinkerton, A.B.
661. *Ruthenium Catalyzed Two Component Addition to Form 1,3-Dienes: Optimization, Scope, Applications, and Mechanism*  
J. Am. Chem. Soc. **123** 12466 (2001)  
Trost, B.M.; Pinkerton, A.B.; Seidel, M.
662. *Pd Asymmetric Allylic Alkylation (AAA). A Powerful Synthetic Tool*  
Chem. Pharm. Bull. **50** 1 (2002)  
Trost, B.M.
663. *An Enantioselective Strategy to Macrocyclic bis-Indoylemaleimides. An Efficient Formal Synthesis of LY 333531*  
Org. Lett. **3** 3409 (2001)  
Trost, B.M.; Tang, W.
664. *Gem-Diacetates as Carbonyl Surrogates for Asymmetric Synthesis. Total Synthesis of Sphingofungins E and F*  
J. Am. Chem. Soc. **123** 12191 (2001)  
Trost, B.M.; Lee, C.

## Complete Sequential Listing - B.M. Trost Bibliography

665. *A Synthesis of 1,1-Disubstituted Alkenes via a Ru Catalyzed Addition*  
J. Am. Chem. Soc. **123** 12504 (2001)  
Trost, B.M.; Pinkerton, A.B.; Toste, F.D.; Sperrle, M.
666. *Application of the AAA Reaction to the Synthesis of the Furanoside of C-2-epi-Hygomycin A. A Total Synthesis of C-2-epi-Hygomycin A*  
Chem. Eur. J. **8** 259 (2002)  
Trost, B.M.; Dudash, J., Jr.; Dirat, O.
667. *Atom Economic Asymmetric Creation of a Quaternary Carbon. Regio- and Enantioselective Reactions of a Vinyl Epoxide with a Carbon Nucleophile*  
J. Am. Chem. Soc. **123** 12907 (2001)  
Trost, B.M.; Jiang, C.
668. *Markovnikov Alkyne Hydrosilylation Catalyzed by Ruthenium Complexes*  
J. Am. Chem. Soc. **123** 12726 (2001)  
Trost, B.M.; Ball, Z.T.
669. *Atom Economy. Aldol-Type Products by Vanadium-Catalyzed Additions of Allenic Alcohols and Aldehydes*  
J. Am. Chem. Soc. **123** 12736 (2001)  
Trost, B.M.; Jonasson, C.; Wucherer, M.
670. *A Ru-Catalyzed Divergence: Oxidative Cyclization vs Cycloisomerization of bis-Homopropargylic Alcohols*  
J. Am. Chem. Soc. **124** 2528 (2002)  
Trost, B.M.; Rhee, Y.H.
671. *Callipeltoside A: Assignment of Absolute and Relative Configuration by Total Synthesis*  
Angew. Chem. Int. Ed. **41** 841 (2002)  
Trost, B.M.; Dirat, O.; Gunzner, J.L.
672. *Mechanistic Dichotomy in CpRu(CH<sub>3</sub>CN)<sub>3</sub>PF<sub>6</sub> Catalyzed Enyne Cycloisomerizations*  
J. Am. Chem. Soc. **124** 5025 (2002)  
Trost, B.M.; Toste, F.D.
673. *On Inventing Reactions for Atom Economy*  
Accounts Chem. Res. **35** 695 (2002)  
Trost, B.M.
674. *A Dinuclear Zn Catalyst for the Asymmetric Nitro-Aldol (Henry) Reaction*  
Angew. Chem. Int. Ed. **41** 861 (2002)  
Trost, B.M.; Yeh, V.Y.C.
675. *An Unusual Ruthenium Catalyzed Cycloisomerization of Alkynes and Propargyl Alcohols*  
J. Am. Chem. Soc. **124** 4178 (2002)  
Trost, B.M.; Rudd, M.T.
676. *A Synthesis of Trisubstituted Alkenes via a Ru Catalyzed Addition*  
Chem. Eur. J. **8** 2341 (2002)  
Trost, B.M.; Shen, H.C.; Pinkerton, A.B.
677. *A Stereospecific Ru Catalyzed Allylic Alkylation*  
Angew. Chem. Int. Ed. **41** 1059 (2002)  
Trost, B.M.; Fraise, P.; Ball, Z.T.
678. *Designed Ligands as Probes of the Catalytic Binding Mode in Mo Catalyzed Asymmetric Allylic Alkylation*  
Angew. Chem. Int. Ed. **41** 1929 (2002)  
Trost, B.M.; Dogra, K.; Hachiya, I.; Emura, T.; Hughes, D.L.; Krska, S.;

## Complete Sequential Listing - B.M. Trost Bibliography

679. *Formation of Vinyl Halides via a Ruthenium Catalyzed Three Component Coupling*  
J. Am. Chem. Soc. **124** 7376 (2002)  
Trost, B.M.; Pinkerton, A.B.
680. *A Convenient Synthetic Route to [CpRu(CH<sub>3</sub>CN)<sub>3</sub>]PF<sub>3</sub>*  
Organometallics **21** 2544 (2002)  
Trost, B.M.; Older, C.M.
681. *Chemo-, Regio-, and Enantioselective Pd-Catalyzed Allylic Alkylation of Indolocarbazole Pro-Aglycons*  
Org. Lett. **4** 2005 (2002)  
Trost, B.M.; Krische, M.J.; Berl, V.; Grenzer, E.M.
682. *Synthesis of Novel Quaternary Amino Acids Using Molybdenum Catalyzed Asymmetric Allylic Alkylation*  
J. Am. Chem. Soc. **124** 7256 (2002)  
Trost, B.M.; Dogra, K.
683. *Effect of Ligand Structure on the Zinc Catalyzed Henry Reaction. Asymmetric Syntheses of (-)-Denopamine and (-)-Arbutamine*  
Org. Lett. **4** 2621 (2002)  
Trost, B.M.; Yeh, V.; Ito, H.; Bremeyer, N.
684. *An Efficient Asymmetric Synthesis of (-)-Galanthamine*  
Angew. Chem. Int. Ed. **41** 2795 (2002)  
Trost, B.M.; Tang, W.
685. *Callipeltoside A: Total Synthesis, Assignment of the Absolute and Relative Configuration, and Evaluation of Synthetic Analogs*  
J. Am. Chem. Soc. **124** 10396 (2002)  
Trost, B.M.; Gunzner, J.L.; Dirat, O.; Rhee, Y.-H.
686. *A Chemoselective Reduction of Alkynes to E-Alkenes*  
J. Am. Chem. Soc. **124** 7922 (2002)  
Trost, B.M.; Ball, Z.T.; Jöge, T.
687. *4-Aryloxybutenolides as "Chiral Aldehyde" Building Blocks. An Efficient Enantioselective Total Synthesis of (+)-Brefeldin A*  
J. Am. Chem. Soc. **124** 9328 (2002)  
Trost, B.M.; Crawley, M.L.
688. *Palladium Catalyzed Asymmetric Allylic Alkylation of  $\alpha$ -Aryl Ketones*  
Angew. Chem. Int. Ed. **41** 3492 (2002)  
Trost, B.M.; Schroeder, G.M.; Kristensen, J.
689. *Stereocontrolled Synthesis of (+)-Boronolide*  
Org. Lett. **4** 3513 (2002)  
Trost, B.M.; Yeh, V.S.C.
690. *Intramolecular Palladium-Catalyzed Allylic Alkylation: Enantio- and Diastereoselective Synthesis of [2.2.2]-Bicycles*  
Org. Lett. **4** 3427 (2002)  
Trost, B.M.; Sacchi, K.; Schroeder, G.M.; Asakawa, N.
691. *DYKAT of Baylis-Hillman Adducts: Concise Total Synthesis of Furaquinocin E*  
J. Am. Chem. Soc. **124** 11616 (2002)  
Trost, B.M.; Thiel, O.R.; Tsui, H.-C.
692. *An Acid Catalyzed Macrolactonization Protocol*  
Org. Lett. **4** 3743 (2002)  
Trost, B.M.; Chisholm, J.D.

## Complete Sequential Listing - B.M. Trost Bibliography

693. *Ruthenium-Catalyzed Alkene-Alkyne Coupling: Synthesis of the Proposed Structure of Amphidinolide A*  
J. Am. Chem. Soc. **124** 12420 (2002)  
Trost, B.M.; Chisholm, J.D.; Wroblewski, S.J.; Jung, M.
694. *Polymer-supported  $c_2$ -Symmetric Ligands for Palladium Catalyzed Asymmetric Allylic Alkylation Reactions*  
Angew. Chem. Int. Ed. **41** 4691 (2002)  
Trost, B.M.; Pan, Z.; Zambrano, J.; Kujat, C.
695. *The Unusual Role of CO Transfer in Molybdenum-Catalyzed Asymmetric Alkylations*  
J. Am. Chem. Soc. **124** 12656 (2002)  
Krska, S.W.; Hughes, D.L.; Reamer, R.A.; Mathre, D.J.; Sun, Y.; Trost, B.M.
696. *An Efficient One-Pot Enantio- and Diastereoselective Synthesis of Heterocycles*  
Angew. Chem. Int. Ed. **41** 4693 (2002)  
Trost, B.M.; Machacek, M.R.
697. *Utilization of Molybdenum and Palladium Catalyzed Dynamic Kinetic Asymmetric Transformations for the Preparation of Tertiary and Quaternary Stereogenic Centers: A Concise Synthesis of Tipranavir*  
J. Am. Chem. Soc. **124** 14320 (2002)  
Trost, B.M.; Andersen, N.G.
698. *Enantioselective Synthesis of (-)-Codeine and (-)-Morphine*  
J. Am. Chem. Soc. **124** 14452 (2002)  
Trost, B.M.; Tang, W.
699. *Intramolecular Endo-Dig Hydrosilylation Catalyzed by Ruthenium: Evidence for a New Mechanistic Pathway*  
J. Am. Chem. Soc. **125** 30 (2003)  
Trost, B.M.; Ball, Z.T.
700. *A Direct Catalytic Asymmetric Mannich-Type Reaction to Syn-Amino Alcohols*  
J. Am. Chem. Soc. **125** 338 (2003)  
Trost, B.M.; Terrell, L.R.
701. *Palladium Catalyzed Kinetic and Dynamic Kinetic Asymmetric Transformations of  $\gamma$ -Acloxybutenolides. Enantioselective Total Synthesis of (+)-Aflatoxins  $B_1$  and  $B_{2a}$*   
J. Am. Chem. Soc. **125** 3090 (2003)  
Trost, B.M.; Toste, F.D.
702. *Desymmetrization of Meso 1,3- and 1,4-Diols with a Dinuclear Zinc Asymmetric Catalyst*  
J. Am. Chem. Soc. **125** 2410 (2003)  
Trost, B.M.; Mino, T.
703. *The Asymmetric Synthesis of (3S, 4R, 5S)-3-Amino-4,5-O-isopropylidenedioxycyclopentene*  
Org. Proc. Res. Dev. **7** 432 (2003)  
Trost, B.M.; Sorum, M.T.
704. *Atom Economy. Palladium Catalyzed Formation of Coumarins by Addition of Phenols and Alkynoates via a Net C-H Insertion*  
J. Am. Chem. Soc. **125** 4518 (2003)  
Trost, B.M.; Toste, F.D.; Greenman, K.
705. *Vanadium-Catalyzed Anti-Selective Additions of Allenols to Imines*  
Angew. Chem. Int. Ed. **42** 2063 (2003)  
Trost, B.M.; Jonasson, C.
706. *Asymmetric Transition Metal-Catalyzed Allylic Alkylations: Applications in Total Synthesis*  
Chem. Rev. **103** 2921 (2003)  
Trost, B.M.; Crawley, M.L.



## Complete Sequential Listing - B.M. Trost Bibliography

707. *Palladium Catalyzed Asymmetric Addition of Pronucleophiles to Allenes*  
J. Am. Chem. Soc. **125** 4438 (2003)  
Trost, B.M.; Jäkel, C.; Plietker, B.
708. *A Rh(I)-Catalyzed Cycloisomerization of Homo- and bis-Homopropargylic Alcohols*  
J. Am. Chem. Soc. **125** 7482 (2003)  
Trost, B.M.; Rhee, Y.H.
709. *Ru Catalyzed Alkyne-Propargyl Alcohol Addition. An Asymmetric Total Synthesis of (+)-Kainic Acid*  
Org. Lett. **5** 1467 (2003)  
Trost, B.M.; Rudd, M.T.
710. *Pd-Catalyzed Allylic Alkylation. A Short Route to the Cyclopentyl Core of Viridenomycin*  
Org. Lett. **5** 1563 (2003)  
Trost, B.M.; Jiang, C.
711. *Ruthenium-Catalyzed Vinylsilane Synthesis and Cross-Coupling as a Selective Approach to Alkenes: Benzyltrimethylsilyl as a Robust Vinylmetal Functionality*  
Org. Lett. **5** 1895 (2003)  
Trost, B.M.; Machacek, M.R.; Ball, Z.T.
712. *Asymmetric Synthesis of Oxygen Heterocycles via Pd-Catalyzed Dynamic Kinetic Asymmetric Transformations. Applications to Nucleosides*  
Chem. Eur. J. **9** 4442 (2003)  
Trost, B.M.; Brown, B.S.; McEachern, E.J.; Kuhn, O.
713. *Regioselective Hydrosilylation of Propargylic Alcohols. An Aldol Surrogate Protocol*  
Angew. Chem. Int. Ed. **42** 3415 (2003)  
Trost, B.M.; Ball, Z.T.; Joege, T.
714. *Migratory Hydroamination. A Facile Enantioselective Synthesis of Benzomorphans*  
J. Am. Chem. Soc. **125** 8744 (2003)  
Trost, B.M.; Tang, W.
715. *Unusual Effects in the Pd-Catalyzed Asymmetric Allylic Alkylations: Synthesis of Chiral Chromans*  
J. Am. Chem. Soc. **125** 9276 (2003)  
Trost, B.M.; Shen, H.C.; Dong, L.; Surivet, J.-P.
716. *An Enantioselective Biomimetic Total Synthesis of (-)-Siccanin*  
Angew. Chem. Int. Ed. **42** 3943 (2003)  
Trost, B.M.; Shen, H.C.; Surivet, J.-P.
717. *A Mechanistic Dichotomy in Ruthenium Catalyzed Propargyl Alcohol reactivity: A Novel Hydrative Diyne Cyclization*  
J. Am. Chem. Soc. **125** 11516 (2003)  
Trost, B.M.; Rudd, M.T.
718. *A Theoretical Study on the Mechanism, Regiochemistry and Stereochemistry of Hydrosilylation Catalyzed by Cationic Ruthenium Complexes*  
J. Am. Chem. Soc. **125** 11578 (2003)  
Chung, L.W.; Wu, Y.-D.; Trost, B.M.; Ball, Z.T.
719. *Dynamic Kinetic Asymmetric Cycloadditions of Isocyanates to Vinylaziridines*  
J. Am. Chem. Soc. **125** 11836 (2003)  
Trost, B.M.; Fandrick, D.R.
720. *Total Syntheses of Furaquinocins A, B, and E*  
J. Am. Chem. Soc. **125** 13155 (2003)  
Trost, B.M.; Thiel, O.; Tsui, H.C.

## Complete Sequential Listing - B.M. Trost Bibliography

721. *On the Diastereoselectivity of Ru-Catalyzed [5+2] Cycloadditions*  
Org. Lett. **5** 4149 (2003)  
Trost, B.M.; Shen, H.C.; Schirok, H.; Koradin, C.; Schulz, T.
722. *On the Chemoselectivity of the Ruthenium Catalyzed Hydrative Diyne Cyclization: Total Synthesis of (+)-Cylindricine C, D, and E*  
Org. Lett. **5** 4599 (2003)  
Trost, B.M.; Rudd, M.T.
723. *Palladium Catalyzed DYKAT of Vinyl Epoxide: Enantioselective Total Synthesis and Assignment of Configurations of Broussonetine G*  
Angew. Chem. Int. Ed. **42** 5987 (2003)  
Trost, B.M.; Horne, D.B.; Woltering, M.J.
724. *A "Chiral Aldehyde" Equivalent as a Building Block Towards Biologically Active Targets*  
Chemistry. A European Journal **10** 2237 (2004)  
Trost, B.M.; Crawley, M.L.
725. *Asymmetric Catalysis. An Enabling science*  
Proc. Nat. Acad. Sci. **101** 5348 (2004)  
Trost, B.M.
726. *5H-Oxazol-4-ones as Building Blocks for Asymmetric Synthesis of  $\alpha$ -Hydroxycarboxylic Acid Derivatives*  
J. Am. Chem. Soc. **126** 1944 (2004)  
Trost, B.M.; Dogra, K.; Franzini, M.
727. *A Formal Synthesis of (-)-Mycalamide A*  
J. Am. Chem. Soc. **126** 48 (2004)  
Trost, B.M.; Yang, H.; Probst, G.D.
728. *Direct Catalytic Asymmetric Aldol Additions of Methyl Yrones. Spontaneous Reversal in the Sense of Enantioinduction*  
J. Am. Chem. Soc. **126** 2660 (2004)  
Trost, B.M.; Fettes, A.; Shireman, B.T.
729. *An Asymmetric Synthesis of Hamigeran B via a Pd Asymmetric Allylic Alkylation for Enantiodiscrimination*  
J. Am. Chem. Soc. **126** 4480 (2004)  
Trost, B.M.; Pissot-Soldermann, C.; Chen, I.; Schroeder, G.M.
730. *Structure Elucidation of (+)-Amphidinolide A by Total Synthesis and NMR Chemical Shift Analysis*  
J. Am. Chem. Soc. **126** 5028 (2004)  
Trost, B.M.; Harrington, P.E.
731. *Pd-Catalyzed Carbonylative Lactamization: A Novel Synthetic Approach to FR 900482*  
Org. Lett. **6** 1745 (2004)  
Trost, B.M.; Ameriks, M.K.
732. *New Insights into the Mechanism of Molybdenum-Catalyzed Asymmetric Alkylation*  
Pure Appl. Chem. **76** 625 (2004)  
Krska, S.W.; Hughes, D.L.; Reamer, R.A.; Mathre, D.J.; Palucki, M.;
733. *Palladium-Catalyzed Asymmetric Allylation of Prochiral Nucleophiles: Synthesis of 3-Allyl-3-Aryloxindoles*  
Angew. Chem. Int. Ed. **44** 308 (2005)  
Trost, B.M.; Frederiksen, M.U.
734. *Stereocontrolled Total Synthesis of (+)-Streptazolin via a Palladium-Catalyzed Reductive Diyne Cyclization*  
Angew. Chem. Int. Ed. **43** 4327 (2004)  
Trost, B.M.; Chung, C.K.; Pinkerton, A.B.

## Complete Sequential Listing - B.M. Trost Bibliography

735. *Asymmetric Allylic Alkylation, An Enabling Methodology*  
J. Org. Chem. **69** 5813 (2004)  
Trost, B.M.
736. *The Synthesis of Chiral Chromans by the Pd-Catalyzed Asymmetric Allylic Alkylation (AAA):  
Scope, Mechanism, Applications*  
J. Am. Chem. Soc. **126** 11966 (2004)  
Trost, B.M.; Shen, H.C.; Dong, L.; Surivet, J.-P.; Sylvain, C.
737. *A Biomimetic Enantioselective Total Synthesis of (-)-Siccanin by the Pd-Catalyzed Asymmetric  
Allylic Alkylation (AAA) and Sequential Radical Cyclizations*  
J. Am. Chem. Soc. **126** 12565 (2004)  
Trost, B.M.; Shen, H.C.; Surivet, J.-P.
738. *Regioselectivity Control in a Ruthenium-Catalyzed Cycloisomerization of Diyne-ols*  
Org. Lett. **6** 4235 (2004)  
Trost, B.M.; Rudd, M.T.; Gulas Costa, M.; Lee, P.I.; Pomerantz, A.E.
739. *Synthetic Stitching with Silicon: Geminal Alkylation - Hydroxylation of Alkynyl Carbonyl  
Compounds*  
J. Am. Chem. Soc. **126** 13942 (2004)  
Trost, B.M.; Ball, Z.T.
740. *Palladium-Catalyzed Asymmetric Allylic Alkylation of Ketone Enolates*  
Chem. Eur. J. **11** 175 (2005)  
Trost, B.M.; Schroeder, G.M.
741. *A Short and Concise Asymmetric Synthesis of Hamigeran B*  
Chem. Eur. J. **11** 951 (2005)  
Trost, B.M.; Pissot-Soldermann, C.; Chen, I.
742. *Alkene-Alkyne Coupling as a Linchpin: An Efficient and Convergent Synthesis of Amphidinolide P*  
J. Am. Chem. Soc. **126** 13618 (2004)  
Trost, B.M.; Papillon, J.P.N.
743. *Ruthenium-Catalyzed Enyne Cycloisomerization. Effect of Allylic Silyl Ether on Regioselectivity*  
J. Am. Chem. Soc. **126** 15592 (2004)  
Trost, B.M.; Surivet, J.P.; Toste, F.D.
744. *A Flexible Approach Towards trans-Fused Polycyclic Tetrahydrofurans. A Synthesis of Prymnesium  
and Yesotoxin Units*  
Org. Lett. **6** 4311 (2004)  
Trost, B.M.; Rhee, Y.-H.
745. *DYKAT of Vinyl Aziridine: Total Synthesis of (+)-Pseudodistomin D*  
Org. Lett. **7** 823 (2005)  
Trost, B.M.; Fandrick, D.R.
746. *Total Synthesis of (+)-Allocyathin B*  
J. Am. Chem. Soc. **127** 2844 (2005)  
Trost, B.M.; Dong, Li; Schroeder, G.M.
747. *Regio- and Enantioselective Pd-Catalyzed Allylic Alkylation of Ketones through Allyl Enol  
Carbonates*  
J. Am. Chem. Soc. **127** 2846 (2005)  
Trost, B.M.; Xu, J.
748. *Enantioselective Synthesis of Cyanohydrins by a Novel Aluminum Catalyst*  
Synlett **627** (2005)  
Trost, B.M.; Martinez-Sanchez, S.

## Complete Sequential Listing - B.M. Trost Bibliography

749. *Ruthenium-Catalyzed Cycloisomerizations of Diynols*  
J. Am. Chem. Soc. **127** 4763 (2005)  
Trost, B.M.; Rudd, M.T.
750. *Synthesis of Seven-Membered Rings: Ru Catalyzed Intramolecular [5+2] Cycloadditions*  
Chem. Eur. J. **11** 2577 (2005)  
Trost, B.M.; Shen, H.C.; Horne, D.F.; Toste, F.D.; Steinmetz, B.G.
751. *Addition of Metalloid Hydrides to Alkynes. Hydrometallation with Boron, Silicon, and Tin*  
Synthesis 853 (2005)  
Trost, B.M.; Ball, Z.T.
752. *Dinuclear Asymmetric Zn Aldol Additions: Formal Asymmetric Synthesis of Fostriecin*  
J. Am. Chem. Soc. **127** 3666 (2005)  
Trost, B.M.; Frederiksen, M.U.; Papillon, J.P.N.; Harrington, P.E.; Shin, S.;
753. *Development of Simple Alcohols as Nucleophiles for Palladium-Catalyzed DYKAT Reactions*  
J. Am. Chem. Soc. **127** 7014 (2005)  
Trost, B.M.; Machacek, M.R.; Tsui, H.C.
754. *Ruthenium-Catalyzed Reactions for Atom Economy - A Treasure Trove of Novel Transformations*  
Angew. Chem. Int. Ed. **44** acpt. (2005)  
Trost, B.M.; Frederiksen, M.U.; Rudd, M.T.
755. *Synthesis of Allenamides by Copper-Catalyzed Coupling of Allenyl Halides with Amides, Carbamates, and Ureas*  
Org. Lett. **7** acpt. (2005)  
Trost, B.M.; Stiles, D.T.
756. *Ruthenium-Catalyzed Diyne Hydrative Cyclization: Synthesis of Substituted 1,3-Diene Synthons*  
Org. Lett. **7** acpt. (2005)  
Trost, B.M.; Huang, X.
757. *An Alkyne Hydrosilylation-Oxidation Strategy for the Selective Installation of Oxygen Functionality*  
J. Am. Chem. Soc. **127** acpt. (2005)  
Trost, B.M.; Ball, Z.T.; Laemmerhold, K.M.
758. *Direct Asymmetric Zn-Aldol Reaction of Methyl Vinyl Ketone and Its Synthetic Applications*  
J. Am. Chem. Soc. **127** acpt. (2005)  
Trost, B.M.; Shin, S.; Sclafani, J.
759. *Exploiting the Pd- and Ru-Catalyzed Cycloisomerizations: Enantioselective Total Synthesis of (+)-Alloxyathin B<sub>2</sub>*  
J. Am. Chem. Soc. **127** acpt. (2005)  
Trost, B.M.; Dong, L.; Schroeder, G.M.
760. *Total Synthesis of (+)-Amphidinolide A. Part 1: Assembly of the Fragments*  
J. Am. Chem. Soc. **127** acpt. (2005)  
Trost, B.M.; Wroblewski, S.T.; Chisholm, J. D.; Harrington, P.E.; Jung, M.
761. *Total Synthesis of (+)-Amphidinolide A, Part 2: Structure Elucidation and Completion of the Synthesis*  
J. Am. Chem. Soc. **127** acpt. (2005)  
Trost, B.M.; Harrington, P.E.; Chisholm, J.D.; Wroblewski, S.T.