



Publications – R. Daniel Little

	Title and Author(s)	Publisher
1. 1972	Contrasting Photochemistry of Cyclopentenone and Cyclohexenone, H. E. Zimmerman and R. D. Little	<i>J. Chem. Soc., Chem. Commun.</i> , 698
2. 1972	Evidence for Requirement of the Second π -Bond in the Di- π -Methane Rearrangement and Observation of Excited State 1,4-Phenyl Migration. Mechanistic and Exploratory Organic Photochemistry. LXXII, H. E. Zimmerman and R. D. Little	<i>J. Amer. Chem. Soc.</i> , 94 , 8256
3. 1974	Photochemical Rearrangement of 4-Aryl-Substituted Cyclopentenones. Low Temperature Photochemistry and Direct Observation of Reaction Intermediates, H. E. Zimmerman and R. D. Little	<i>J. Amer. Chem. Soc.</i> , 96 , 4623
4. 1974	A Novel Photochemical 1,4-Phenyl Migration. The Role of the Second π -Bond in the Di- π -methane Rearrangement. Mechanistic and Exploratory Organic Photochemistry, H. E. Zimmerman and R. D. Little	<i>J. Amer. Chem. Soc.</i> , 96 , 5143
5. 1976	The Influence of Substituents on the Molecular Orbital Energies and Ground Electronic State of Substituted Trimethylenemethanes, B. K. Carpenter, R. D. Little, J. A. Berson	<i>J. Amer. Chem. Soc.</i> , 98 , 5723
6. 1976	Triplet Ground States of Trimethylenemethanes, M. S. Platz, J. M. McBride, R. D. Little, J. J Harrison, A. Shaw, S. E. Potter, J. A. Berson	<i>J. Amer. Chem. Soc.</i> , 98 , 5725
7. 1978	Frontier Orbital Control of Regiospecificity in Singlet Cycloadditions of 2-Methylenecyclopenta-1,3-Diyls, Roger Siemionko, Andrew Shaw, Genevieve O'Connell, R. D. Little, B. K. Carpenter, L. Shen and Jerome A. Berson	<i>Tetrahedron Lett.</i> , 3529
8. 1978	A New, Mild Method for the Synthesis of Azo Compounds, R. D. Little and M. G. Venegas	<i>J. Org. Chem.</i> , 43 , 2921
9. 1978	A Simple Synthesis of Sulfur Substituted Cyclopropanes. Effect of Solvent and Gegenion upon Mechanism and Product Composition, R. D. Little, J. R. Dawson	<i>J. Amer. Chem. Soc.</i> , 100 , 4607
10. 1978	Equivalent Expressions for the Description of Several Pericyclic Reactions, R. D. Little	<i>J. Chem. Ed.</i> , 55 , 792
11. 1979	A New Route to Linearly Fused Tricyclopentanoids. Diyl Trapping Reactions in Organic Synthesis, R. D. Little, A. Bukhari and M. G. Venegas	<i>Tetrahedron Lett.</i> , 305

12. 1979 Carbon-13 Chemical Shifts in Tricyclo[6.3.0.0.^{3,7}]undecanes (Linearly Fused Tricyclopentanoids), M. G. Venegas and R. D. Little *Tetrahedron Lett.*, 309
13. 1979 Thermally Induced Extrusion of Sulfur Dioxide from Allyl Alkyl Sulfones. Use of the Rearrangement for the Synthesis of Dihydrojasmane, R. D. Little, S. Wolfe, T. Smestad, S. C. Seike, L. W. Linder, Jr., and L. Patton *Synthetic Communications*, **9**, 545
14. 1979 Electrochemical Generation of the Azo Linkage. Synthesis of Bicyclic Azo Compounds; Precursors of 1,3-Diyls, R. D. Little and G. L. Carroll *J. Org. Chem.*, **44**, 4720
15. 1979 A Regiospecific and Highly Stereoselective Approach to the Synthesis of Linearly Fused Tricyclopentanoids. Intramolecular Diyl Trapping Reactions, R. D. Little and G. W. Muller *J. Amer. Chem. Soc.*, **101**, 7129
16. 1980 Facile Construction of C₁₀ Modified Prostaglandin Precursors. Diyl Trapping Reactions Using Phenyl Vinyl Sulfoxide and Phenyl Vinyl Sulfone, R. D. Little and L. Brown *Tetrahedron Lett.*, **21**, 2203
17. 1980 MIRC (Michael Initiated Ring Closure) Reactions. Formation of Three, Five, Six-and Seven Membered Rings, R. D. Little and J. R. Dawson *Tetrahedron Lett.*, **21**, 2609
18. 1980 Oxidative Desulfonylation. Phenyl Vinyl Sulfone as a Ketene Synthetic Equivalent, R. D. Little and Sun Ok Myong *Tetrahedron Lett.*, **21**, 3339
19. 1981 Intramolecular Diyl Trapping. A Total Synthesis of *d,l*-Hirsutene, R. D. Little and G. W. Muller *J. Amer. Chem. Soc.*, **103**, 2744
20. 1981 1,3-Diyl Trapping Reactions. Fundamental Investigations with Application to the Synthesis of Linearly Fused Tricyclopentanoids, R. D. Little, G. W. Muller, M. G. Venegas, G. L. Carroll, A. Bukhari, L. Patton, K. Stone *Tetrahedron*, Symposia in Print, L. A. Paquette, Ed., **37**, 4371
21. 1981 Intramolecular 1,3-Diyl Trapping reactions: Total Synthesis of the Marine Natural Product (*d,l*)- $\square^{9(12)}$ -Capnellene, R. D. Little and G. L. Carroll *Tetrahedron Lett.*, **22**, 4389
22. 1982 MIRC Reactions. 3. Use of Doubly Activated Substrates, R. D. Little, Roland Verhe, W. T. Monte, Sean Nugent, James R. Dawson *J. Org. Chem.*, **47**, 362
23. 1982 Electroreductive Cyclization. A Comparison of the Electrochemical and Analogous Chemical (MIRC) Reaction, S. T. Nugent, Manuel M. Baizer, and R. D. Little *Tetrahedron Lett.*, **23**, 1339
24. 1983 Total Synthesis of the Marine Natural Product $\Delta^{(9,12)}$ Capnellene. Reversal of Regiochemistry in the *J. Amer. Chem. Soc.*, **105**, 928

- Intramolecular 1,3-Diyl Trapping Reaction, R. D. Little, G. L. Carroll, and J. L. Petersen
25. 1983 Electrogenated Superoxide-Initiated Autoxidation. A Convenient Electrochemical Method for the Conversion of Secondary Nitroalkanes to Ketones and the Use of Primary Nitroalkanes as Acyl Anion Equivalents in Michael Reactions, W. T. Monte, Manuel M. Baizer and R. D. Little *J. Org. Chem.*, **48**, 803
 26. 1983 Preparation of Bis-2,2,2-Trichloroasodicarboxylate, R.D. Little and M.G. Venegas *Organic Syntheses*, **61**, 17
 27. 1983 Electrochemical Peak Potentials of Typical Substrates Used for Coupling Reactions with Organocuprates. Effects of Solvent and Supporting Electrolyte, B. H. Lipshutz, R. S. Wilhelm, S. T. Nugent, R. D. Little, M. M. Baizer *J. Org. Chem.*, **48**, 3306
 28. 1983 Consequences of Intramolecular Diyl Trapping Reactions Using Unactivated Diyllophiles. A Short, Convergent Synthesis of Hirsutene, R.D. Little, R.G. Higby and K.D. Moeller *J. Org. Chem.*, **48**, 3139
 29. 1983 Some Unusual Reactions of Molecular Oxygen with Bicyclic Diazenes Which Typically Serve as Precursors to Alkylidenecyclopentane-1,3-Diyls. Peroxide Formation, R.D. Little, L. Losinski-Dang, M.G. Venegas and C. Merlic *Tetrahedron Letters*, **24**, 4499
 30. 1983 Asymmetric Induction in the Intramolecular 1,3-Diyl Trapping Reaction. Chirality on the Linking Chain, R. D. Little and K. J. Stone *J. Amer. Chem. Soc.*, **105**, 6976
 31. 1983 Electrogenated Bases. VI. Reaction of Electrogenated Superoxide with Some Carbon Acids. II, M. Sugawara, M.N. Baizer, W.T. Monte and R.D. Little *Acta Chem. Scand.*, B **37**, 509
 32. 1983 Asymmetric Induction in Intramolecular 1,3-Diyl Trapping Reaction Through the Use of Methyl and 8-Phenylmethyl Esters, R.D. Little and K. D. Moeller *J. Org. Chem.*, **48**, 4487
 33. 1984 Qualitative Valence Bond Theory and Firestone's Extended Diradical for 1,3-Dipolar Cycloadditions, R.D. Harcourt and R.D. Little *J. Amer. Chem. Soc.*, **106**, 41
 34. 1984 An Exceptionally Simple and Efficient Method for the Preparation of a Wide Variety of Fulvenes, K. J. Stone and R. D. Little *J. Org. Chem.*, **49**, 1849
 35. 1985 Asymmetric Induction in the Intramolecular 1,3-Diyl Trapping Reaction. Use of a Stereogenic Atom Located

J. Amer. Chem. Soc.,
107, 2495-2505

- on the Chain Linking the Diyl and Diylophile, K. J. Stone and R. D. Little
36. 1985 Use of Heteroatom Containing $\square$ Systems as Diylophiles in the Intermolecular 1,3-Diyl Trapping Reaction. Construction of Heterocycles, R.D. Little, Heinrich Bode, K. J. Stone, O. Wallquist and R. Dannecker *J. Org. Chem.*, **50**, 2400
 37. 1985 Intramolecular 1,3-Diyl Trapping Reactions. Use of a Diylophile Directly Linked to the Diyl. Preparation of Bicyclic Furans, K. D. Moeller and R. D. Little *Tetrahedron Lett.*, **26**, 3417
 38. 1985 Intramolecular Electroreductive Cyclization, D.P. Fox, R.D. Little and M.M. Baizer *J. Org. Chem.*, **50**, 2202
 39. 1985 Thermally Initiated Reactions of Allyl sec-Butyl Sulfone. Observation of a [1,3]-Allylic Rearrangement, S.O. Myong, L.W. Linder, Jr., S.C. Seike and R.D. Little *J. Org. Chem.*, **50**, 2244
 40. 1985 Evidence for Hydrogen atom Abstraction and Loss of Diylophile Stereochemistry in an Intramolecular 1,3-Diyl Trapping Reaction, Onorato Campopiano, R. D. Little, J. L. Petersen *J. Am. Chem. Soc.*, **107**, 3721
 41. 1985 Intramolecular 1,3-Diyl Trapping Reactions. A Formal Total Synthesis of (*d,l*)-Coriolin, L. Van Hijfte and R. D. Little *J. Org. Chem.*, **50**, 3940
 42. 1986 A Stereoselective Electroreductive Cyclization Pathway to the Isolactarane-type Sesquiterpene l-Sterpurene, L. Moëns, Manuel M. Baizer, and Little, R. D. *J. Org. Chem.*, **51**, 4497
 43. 1986 The Intramolecular Diyl Trapping Reaction. A Useful Tool for Organic Synthesis, R. D. Little *Chem. Reviews*, **86**, 875
 44. 1987 Intramolecular Reductive Coupling as a Step in the Synthesis of Certain Natural Products, R. D. Little, D. P. Fox, L. Moëns, R. Wolin, Manuel M. Baizer *Recent Advances in Electroorganic Synthesis*, S. Torii, Ed., Kodansha Ltd. (Elsevier), Tokyo, Japan, 171
 45. 1987 Intramolecular 1,3-Diyl Trapping Reactions. Total Synthesis of (*d,l*)-Coriolin and (*d,l*)-Hypnophilin. Formation of Trans-fused Bicyclo(3.3.0)octane Ring Systems, L. Van Hijfte, R. D. Little, J. L. Petersen, and K. D. Moeller *J. Org. Chem.*, **52**, 4647-4661
 46. 1988 Electroreductive Cyclization. Ketones and Aldehydes Tethered to α,β -Unsaturated Esters (Nitriles). Fundamental Investigations, R. D. Little, D. P. Fox, L. Van Hijfte, Robert Dannecker, G. Sowell, R. L. Wolin, L. Moëns, and Manuel M. Baizer *J. Org. Chem.*, **53**, 2287

47. 1988 Preparation of 6-(Silyloxy)-6-alkylfulvenes. A Novel *in Situ* Trapping of an Enolate with *tert*-Butyldimethylsilyl Chloride, J. I. McLoughlin and R. D. Little *J. Org. Chem.*, **53**, 3624
48. 1988 Intramolecular Diyl Trapping Reactions. Arrhenius Activation Parameters for Extrusion of Nitrogen; Rate Acceleration When Diyl and Diylophile are Linked Directly to One Another, R. D. Little and C. F. Billera *Tetrahedron Letters*, **29**, 5711
49. 1989 Enone Electrochemistry, R. D. Little and Manuel M. Baizer *The Chemistry of Enones*, S. Patai and Z. Rappoport, Eds., John Wiley & Sons: New York; Chapter 14
50. 1990 Electroreductive Cyclization Reactions. Stereoselection, Creation of Quaternary Centers in Bicyclic Frameworks, and a Formal Total Synthesis of Quadrone, C.G. Sowell R.L. Wolin, and R.D. Little *Tetrahedron Letters*, **31**, 485
51. 1990 Direct Observation of Intermediate Involved in the Intramolecular Diyl Trapping Reaction, M.R. Masjedizadeh, C. Fite, R. D. Little *Tetrahedron Letters*, **31**, 1229
52. 1990 Stereoselectivity in Intramolecular Diyl Trapping Reactions. Model Studies Directed Toward the Phorbols, J. I. McLoughlin, R. Brahma, O. Campopiano, R. D. Little *Tetrahedron Letters*, **31**, 1377
53. 1990 Linearly Fused vs Bridged Regioselection in the Intramolecular 1,3-Diyl Trapping Reaction, M. R. Masjedizadeh, I. Dannecker-Doerig, R. D. Little *J. Org. Chem.*, **55**, 2742-2752
54. 1990 Electrolyte-Assisted Stereoselection and Control of Cyclization vs Saturation in Electroreductive Cyclizations, H. E. Bode, C. G. Sowell, and R. D. Little *Tetrahedron Letters*, **31**, 2525
55. 1991 Electroreductive Cyclization Reactions: Attempts to Use 2(5H)Furanones (α,β -Unsaturated Butenolides). Dominance of Acid-Base Over Cyclization Chemistry, M.A. Amputch and R.D. Little *Tetrahedron*, **47**, 383
56. 1991 *Electroorganic Synthesis - Festschrift in Honor of Manuel M. Baizer*, Little, R.D. & Weinberg, N.L., Eds. Marcel Dekker: New York
57. 1991 Stereoselective Electroreductive Cyclization. Construction of a Corey Lactone Precursor. R.D. Little and C.G. Sowell *Festschrift in Honor of Manuel Baizer*, Little, R.D. & Weinberg, N.L., Eds.; Marcel Dekker: New York
58. 1991 [3+2] Cycloadditions-Thermal, R.D. Little *Comprehensive Organic Chemistry*, B. M. Trost &

- | | | |
|-----|------|--|
| | | L.A. Paquette, Eds.;
Pergamon: Oxford |
| 59. | 1992 | Factors Affecting Regioselectivity in the Intramolecular Diyl Trapping Reaction, R.D. Little, M.R. Masjedizadeh, K.D. Moeller, and I. Dannecker-Doerig |
| | | <i>Synlett</i> (an "Account"), 107-113 |
| 60. | 1992 | Expression of Dipolar Character in Diyl Trapping Chemistry, R.D. Little, L.M. Brown, and M.R. Masjedizadeh |
| | | <i>J. Am. Chem. Soc.</i> , 114 , 3071-3075 |
| 61. | 1992 | Strategies and Tactics in Organic Synthesis. Volume 3, R. D. Little |
| | | Thomas Lindberg, Ed.
Academic Press: San Diego. 1991. xx + 544 pp. <i>J. Am. Chem. Soc.</i> , 114 , 7610-7611 |
| 62. | 1993 | [3 + 2] and [4 + 2] Cycloadditions of C ₆₀ , M. Prato, T. Suzuki, H. Foroudian, Q. Li, K. Khemani, F. Wudl, J. Leonetti, R.D. Little, T. White, B. Rickborn, S. Yamago, E. Nakamura |
| | | <i>J. Am. Chem. Soc.</i> , 115 , 1594-1595 |
| 63. | 1994 | A New Class of DNA-Cleaving Agents Based on Trimethylenemethane, T.M. Bregant, J. Groppe, R.D. Little |
| | | <i>J. Am. Chem. Soc.</i> , 116 , 3635-3636 |
| 64. | 1994 | Intramolecular Diyl Trapping: Diyl-Decoupling and 7-Endo-trig Cyclization, C.F. Billera, C. Phillipp, and R.D. Little |
| | | <i>J. Org. Chem.</i> , 59 , 2270-2272 |
| 65. | 1994 | Asymmetric Induction in the Michael Initiated Ring Closure Reaction, M.A. Amputch, R. Matamoros, R.D. Little |
| | | <i>Tetrahedron</i> , 50 , 5591-5614 |
| 66. | 1994 | Hydrogen Atom Transfer Reactions from Trimethylenemethane Diyls. A New Reactivity Pattern Leading to Bicyclic Ring Systems, C. Billera and R. D. Little |
| | | <i>J. Am. Chem. Soc.</i> , 116 , 5487-5488 |
| 67. | 1994 | A General Mechanistic Scheme for Intramolecular Electrochemical Hydrocyclizations. Mechanism of the Electroreductive Cyclization of ω -Keto- α,β -Unsaturated Esters, A.J. Fry, R.D. Little, J. Leonetti |
| | | <i>J. Org. Chem.</i> 1994 , <i>59</i> , 5017-5026 |
| 68. | 1994 | Bis(2,2,2-trichloroethyl) Azodicarboxylate, R.D. Little and T.M. Bregant |
| | | <i>Encyclopedia of Reagents for Organic Synthesis</i> , Wiley: New York |
| 69. | 1994 | An Electroreductive Cyclization Approach to the Bicyclo[3.2.1] Framework, R. D. Little, R. Wolin, G. Sowell |
| | | Denki Kagaku, 1994 , 62, 1105 |

70. 1995 The Intramolecular Michael Reaction, R.D. Little, M.R. Masjedizadeh, O. Wallquist, J.I. McLoughlin *Organic Reactions*, Wiley: New York; Vol. 47, Chapter 2; pp. 315-552
71. 1995 The Binding Modes of a Rationally Designed Photoactivated DNA Nuclease by NMR, H. P. Spielmann, P. A. Fagan, T. M. Bregant, R. D. Little, D. E. Wemmer *Nucleic Acids Research*, **23**, 1576-1583
72. 1995 Electroreductive Coupling and Cyclization Reactions, R. D. Little, H. Bode, T. Bregant, M. Schwaebe *Novel Trends in Electroorganic Synthesis*, Torii, S., Ed.; Kodansha: Tokyo; pp. 299-302
73. 1995 Aspects of Nitroalkene and Vinylsulfone Chemistry, R. D. Little, M. Schwaebe, W. Russu *Novel Trends in Electroorganic Synthesis*, Torii, S., Ed.; Kodansha: Tokyo; pp. 123-126
74. 1995 3-Iodo-2-trimethylmethylsilylmethyl-1-propene, T.M. Bregant and R. D. Little *Encyclopedia of Reagents for Organic Synthesis*, Wiley: New York
75. 1995 Organic Reactions, Associate Editors R.D. Clark, A. Jahangir, R.D. Little, M.R. Masjedizadeh, J.I. McLoughlin, O. Wallquist John Wiley & Sons, Inc.
76. 1996 Diyl Trapping and Electroreductive Cyclization Reactions, R. D. Little *Chem. Rev.*, **96**, 93-114
77. 1996 *Pure & Applied Chem.* R. D. Little Symposium editor, proceedings of the 8th IUPAC Symposium on Organometallic Chemistry Directed towards Organic Synthesis, **68** (#1)
78. 1996 Cycloaddition-fragmentation as a Route to Bicyclic Ring Systems. Use of the Diyl Trapping Reaction, J. A. Leonetti, T. Gross, R. D. Little *J. Org. Chem.*, **61**, 1787-1793
79. 1996 Asymmetric Reductive Cyclization. Total Synthesis of ($\pm$)-C₁₀-Desmethyl Arteannin B, M. Schwaebe and R. D. Little *J. Org. Chem.*, **61**, 3240
80. 1996 Organometallic Nucleophilic Ring Opening of Endoperoxides, M. K. Schwaebe and R. D. Little *Tetrahedron Lett.*, **37**, 6635

81. 1996 Electrochemical Cyclization at the Cathode, R.D. Little and M.K. Schwaebe *Topics in Current Chemistry*, **185**, 1-48; Springer
82. 1997 Intermolecular Diyl Trapping Reactions: Allenes as Diyllophiles, Xiaodong Lin and R. D. Little *Tetrahedron Lett.*, **38**, 15
83. 1997 An Improved Workup for Samarium(II)iodide Reactions, M. K. Schwaebe and R. D. Little *Synthetic Communications*, **27**, 837-840
84. 1997 Diyl Trapping Reactions to Synthesize Taxol Analogs, M. M. Ott and R. D. Little *J. Org. Chem.*, **62**, 1610-1616
85. 1997 A Modified Electrochemical Approach to Diazenes, Michael K. Schwaebe and R. D. Little *Electrochimica Acta*, **42**, 2201-2203
86. 1997 A New Synthesis of Diazenes (Azoalkanes) Using 4-(S,S-Dimethylsulfoximino)-1,2,4-triazoline-3,5-dione (S-TAD). The Construction of Diazenes from Amino Nitrenes via Base Induced Sulfoximine Cleavage, S. Meehan and R.D. Little *J. Org. Chem.*, **62**, 3779
87. 1998 The Versatile Trimethylenemethane Diyl; Diyl Trapping Reactions. Retrospective and New Modes of Reactivity, A. Allan, G. L. Carroll, R. D. Little *Eur. J. Org. Chem. (Microreview)*, **1**, 1-12
88. 1998 Electroreductive Cyclization Reactions. Studies Directed Toward the Phorbol Esters and Bioactive Diterpenes, J. I. Lozano, G. L. Carroll, R. D. Little *Novel Trends in Electroorganic Synthesis* 221; Springer: Tokyo
89. 1998 TMM Diyl-Induced Vinylcyclopropane Fragmentation and Recombination, G. L. Carroll and R. D. Little *Tetrahedron Lett.*, **39**, 1893.
90. 1998 Remarkable Effect of Supporting Electrolyte on the Electroreductive Cyclization of Cyclic Enones, A. Konno, H. Bode, and R. D. Little *Novel Trends in Electroorganic Synthesis*, 211; Springer: Tokyo
91. 1998 Interaction of cyclobutane with the Ru(001) surface: low temperature molecular adsorption and dissociative chemisorption at elevated surface temperature, C. J. Hagedorn, M. J. Weiss, C. -H. Chung, P. J. Mikesell, R. D. Little, and W. H. Weinberg *J. Chem. Phys.*, **110**, 1745-1753
92. 1998 Decomposition of Cyclobutane on Ru(001): Identification of a Surface Metallacycle, M. J. Weiss, C. J. Hagedorn, P. J. Mikesell, R. D. Little, and W/ H. Weinberg *J. Am. Chem. Soc.*, **120**, 11812

93. 1999 Electrochemical Reductive Coupling Reactions of Aliphatic Nitroalkenes, P. Mikesell, M. Schwaebe, M. DiMare, and R. D. Little *Acta Chemica Scandinavica*, **53**, 792-799
94. 1999 "Protective Groups in Organic Synthesis," 3rd Edition, Little, R. D. *J. Nat. Prod.* **62**, 1349
95. 2000 A Diradical Route to Natural Products and Their Analogs, M. M. Ott and R. D. Little *Studies in Natural Products Chemistry* [Bioactive Natural Products (Part C)], vol. 22 Elsevier: Amsterdam
96. 2000 Atom Transfer Reactions of TMM Diyls Directed Toward the Synthesis of Rudmollin, G. Law Carroll, A. Kim Allan, M. K. Schwaebe, & R. D. Little *Org. Lett.* **2**, 2531-2534.
97. 2000 Inter- and Intramolecular Reductive Coupling Reactions; An Approach to the Phorbol Skeleton, G. L. Carroll & R. D. Little *Org. Lett.* **2**, 2873-2876
98. 2000 A Facile Synthesis of 6-Alkyl/aryl-5-acyl-2,2-dimethyl-1,3-dioxin-4-ones, R. D. Little and Wade A. Russu *J. Org. Chem.*, **65**, 8096-8099
99. 2001 Electrosynthesis of Bioactive Materials, R. D. Little and P. Mikesell *Organic Electrochemistry*, 4th Ed., H. Lund & O. Hammerich, Eds., Dekker; Chapter 19, pp 725-764.
100. 2001 Diradicals in Organic Synthesis, J. D. Parrish and R. D. Little *Radicals in Organic Synthesis*, Vol. 2, pp 383-406, Renaud and M. Sibi, Eds., Wiley-VCH: Weinheim
101. 2001 Electrosynthesis of natural products, fine chemicals and pharmaceuticals, R. D. Little *Encyclopedia of Electrochemistry*. Vol. 8: Organic Electrochemistry (Ed. H. J. Schäfer), Wiley-VCH, Weinheim, Germany
102. 2001 On the Regiospecificity of Vanadium Bromoperoxidase, J. S. Martinez, G. L. Carroll, R. A. Tschirret-Guth, G. Altenhoff, R. D. Little, A. Butler *J. Am. Chem. Soc.*, **123**, 3289-3294.
103. 2001 Natural Products and Medicinally Important Compounds, R. D. Little and J. D. Parrish *Rodd's Chemistry of Carbon Compounds: Topical Volume on Electrochemistry*

- 104 2001 Vinylcyclopropyl TMM diyls: access to 8-membered rings, P. J. Mikesell, R. D. Little *Tetrahedron Lett.* **42**:25, 4095-4097
- 105 2001 Electrochemical Formation of Glycals in THF, Parrish. J. D.; Little, R. D. *Tetrahedron Lett.* **42** (42), 7371-7374
- 106 2001 Electrochemical Generation of Low-Valent Lanthanides, Parrish. J. D.; Little, R. D. *Tetrahedron Lett.* **42** (44) 7767-7770
- 107 2002 Preparation of C-Glycosides from Glycals, Parrish. J. D.; Little, R. D. *Org. Lett.*, **4**, 1439
- 108 2002 [3+2] vs [4+3] Cycloaddition of conjugated dienes to TMM-diradicals, W.A. Russu, V.P. Villalon, V.R. Wang, J.A. Miranda, and R.D. Little *Tetrahedron Lett.* **43**(47) 8459-8461
- 109 2002 Organic Electrochemistry as a Tool for Synthesis, Little, R. D.; Kevin D. Moeller, K.D. *The Electrochemical Society Interface*, pp. 36-42
- 110 2003 Coping with Substituent Effects in Divinylcyclopropyl Diazene Rearrangements, Georgia Law Carroll, Roy Harrison, James Gerken, and R. D. Little *Tetrahedron Lett.* **44**(10), 2109-2112
- 111 2003 Vanadium Haloperoxidase-catalyzed Bromination of Terpenes, Jayme N. Carter-Franklin, Jon D. Parrish, Richard A. Tschirret-Guth, R. D. Little, Alison Butler *J. Am. Chem. Soc.* **125**(13), 3688-3689
- 112 2003 Titanocene(III)-Promoted Reformatsky Additions, J. D. Parrish, Daniel R. Shelton, R. D. Little *Org. Lett.* **5**(20), 3615-3617
- 113 2004 From Dimerization, to Cycloaddition, to Atom Transfer-Cyclization (ATC). The Further Chemistry of TMM Diradicals. Arup Maiti, James B. Gerken, Mohammad R. Masjedizadeh, Yvette S. Mimieux, and Little, R. D. *J. Org. Chem.*, **69**(25), 8574-8582
- 114 2005 The positive effect of oxygenated solvents for the synthetic use of electrogenerated Ytterbium (II), Bernardo A. Frontana-Urbe and R. D. Little *Electrochimica Acta* **50**(6), 1383-1390
- 115 2005 Remote Substituent Effects upon the Rearrangements of Housane Cation Radicals, James B. Gerken, Selina C. Wang, Alejandro B. Preciado, Young Sam Park, Gisele Nishiguchi, Dean J. Tantillo, and Little, R. D. *J. Org. Chem.*, **70**(12), 4598-4608
- 116 2005 From C-Glycosides to Pyranopyrans: An Approach to Thysiferol using Titanium(III) Promoted Redox Couplings, Nishiguchi, G.; Little, R. D. *J. Org. Chem.*, **70**(13), 5249-5256
- 117 2005 Indirect Electroreductive Cyclization and Electrohydrocyclization Using Catalytic Reduced Nickel(II) Salen, Miranda, J.A.; Wade, C.; Little, R. D. *J. Org. Chem.*, **70**(20), 8017-8026

- | | | | |
|-----|--|--|--|
| 118 | 2006 | The influence of Electrogenerated Sm(II), Electrogenerated Yb(II), and Magnesium Ions Produced at a Sacrificial Magnesium Anode, Upon the Diastereoselectivity of Electroreductive Cyclization Reactions, Richard Yee, Jennifer Mallory, J. D. Parrish, Georgia Law Carroll, and Little, R. D. | <i>Electroanalytical Chemistry</i> (Special issue in honor of Peter Zuman), 593, 69-73 |
| 119 | 2006 | Synthetic Efforts Toward, and Biological Activity of Thysiferol and Structurally-Related Analogs, Little, R. D.; Nishiguchi, G.A. | <i>Studies in Natural Product Chemistry</i> (Bioactive Natural Products), Ed.: Atta-ur-Rahman; Elsevier: Amsterdam |
| 120 | 2006 | 7,11-Epi-Thysiferol: Completion of its Synthesis, Evaluation of its Antimitotic Properties, and the Further Development of an SAR Model, G. A. Gisele A. Nishiguchi, J. Graham, A. Bouraoui, R.S. Jacobs, R. D. Little | <i>J. Org. Chem.</i> 71(16), 5936-5941 |
| 121 | 2006
on line;
2007
hard
copy | Progress toward the synthesis of the bicyclo (6.3.0) framework using TMM diyls, Joohee Hong, Richard Yee, Little, R. D. | <i>Arkivoc</i> (issue in honor of the 65th birthday of Professor Atta-ur-Rahman, available on-line at: www.arkat-usa.org , in volume 2007, Part (vii), p. 233 |
| 122 | 2006 | Investigation of vinylcyclopropane monoradical cyclization-fragmentation as a possible route towards eight-membered rings, Miranda, J. A.; Little, R. D. Little, R. D. | <i>Heterocycles</i> , in honor of Prof. Steven Weinreb, Published online, 7 November, 2006 |
| 123 | 2007 | Bis(2,2,2-trichloroethyl) Azodicarboxylate, Wade A. Russu and Little, R. D. | <i>Encyclopedia of Reagents for Organic Synthesis</i> , Copyright © 2007 John Wiley & Sons, Ltd
DOI:
10.1002/9780470842898.r
b198.pub2 |
| 124 | 2007 | A Highly Selective Rearrangement of a Housane-derived Cation Radical; an Electrochemically Mediated Transformation, Young Sam Park, Selina Wang, Dean Tantillo, Little, R. D. | <i>J. Org. Chem.</i> 72(12), 4351-4357 |
| 125 | 2008 | iso-PsE: A New Pseudopterosin, Christophe Hoarau, Daniel Day, Claudia Moya, Guang Wu, Abdul Hackim, Robert S. Jacobs, Little, R. D. | <i>Tetrahedron Lett.</i> 49(31), 4604-4606 |

- 126 2008 Redox electron transfer reactions: electrochemically mediated rearrangement, mechanism, and a total synthesis of daucene, Young Sam Park and Little, R. D. *J. Org. Chem.* **73**(17), 6807-6815
- 127 2008 Synthesis and an evaluation of the bioactivity of the C-glycoside of pseudopterosin A (PsA) methyl ether, Wei Zhong, Claudia Moya, R. S. Jacobs, Little, R. D. *J. Org. Chem.* **73**, 7011-7016
- 128 2008 Synthesis and evaluation of the bioactivity of simplified analogs of the seco-pseudopterosins; progress toward determining a pharmacophore, Virginia M. Tanis, Claudia Moya, R. S. Jacobs, R. D. Little *Tetrahedron*, **2008**, *64* (47), 10649-10663
- 129 2009 Rearrangements of electrochemically generated cation radicals: The quest for regiochemical control and an application to total synthesis, Young Sam Park and Little, R. D. *Electrochimica Acta* **2009**, *54*, 5077-5082
- 130 2009 Intramolecular Diyl Trapping Reactions en Route to the Bicyclo [3.2.1] Framework; an Approach to Aphidicolin, Wei Zhong and Little, R. D. *Tetrahedron Letters* **2009**, *50*, 4994-4997
- 131 2009 Exploration and Determination of the Redox Properties of the Pseudopterosin Class of Marine Natural Products, Wei Zhong and Little, R. D. *Tetrahedron Symposium in Print (Electron Transfer)*, **2009**, *65*, 10784-10790
- 132 2010 The odyssey of marine pharmaceuticals: a current pipeline perspective, Alejandro M.S. Mayer, Keith B. Glaser, Carmen Cuevas, Robert S. Jacobs, William Kem, Daniel Little, Michael McIntosh, David Newman, Barbara Potts and Dale E. Shuster *Trends in Pharmaceutical Sciences (TIPS)*, **2010**, *31*, 255-265
- 133 2010 People, travel, seminars, reading, the classroom, and curiosity – sources of research inspiration: aspects of organic redox chemistry, Little, R. D. *J. Mex. Chem. Soc.* **2010**, *54*(2), 122-132
- 134 2010 Organic electrosynthesis: a promising green methodology in organic chemistry, Bernardo A. Frontana-Urbe, Little, R. D., Jorge G. Ibanez, Agustín Palma and Ruben Vasquez-Medrano *Green Chemistry*, **2010**, *12*, 2099-2119
- 135 2011 Electrochemical oxidation of catechols in the presence of ketene N,O-acetals: indole formation vs. α -arylation reaction, Da-Wei Ping, Yue-Xia Bai, Little, R. D. , Hong-Yu Tian, Li-Ming Hu, and Cheng-Chu Zeng *Tetrahedron* **2011**, *67*, 9334-9341
- 136 2012 Unveiling the Role of Molecule-Assisted Homolysis: A Mechanistic Probe into the Chemistry of a Bicyclic Peroxide, Gbur, Randi; Little, R. Daniel *J. Org. Chem.* **2012**, *77*, 2134-2141

- 137 2012 Novel triarylimidazole redox catalysts: synthesis, electrochemical properties and applicability to electrooxidative C-H activation, Zeng, Cheng-chu; Zhang, Ni-tao; Lam, Chiu Marco; Little, R. Daniel *Organic Letters*, **2012**, *14*(5), 1314-1317

- 138 2012 Anodic Substitutions, Little, R. D. *Encyclopedia of Applied Electrochemistry*, Robert F. Savinell, Ken-ichiro Ota & Gerhard Kreysa, Eds., Springer, New York

- 139 2012 Electrochemical oxidation of aminophenols in the presence of benzenesulfinate, Huan-Lan Xiao, Cheng-Wen Yang, Ni-Tao Zhang, Cheng-Chu Zeng, Li-Ming Hu, Hong-Yu Tian and Little, R. D. *Tetrahedron*, **2012**, *69*, 658-663

- 140 2013 Triarylimidazole Redox Catalysts: Electrochemical Analysis and Empirical Correlations, Ni-tao Zhang, Cheng-chu Zeng, Chiu Marco Lam, Randi K. Gbur, and Little, R. D. *J. Org. Chem.* **2013**, *78* (5), 2104–2110

- 141 2013 Cyclodextrin Formulation of the Marine Natural Product Pseudopterosin A Uncovers Optimal Pharmacodynamics in Proliferation Studies of Human Umbilical Vein Endothelial Cells, Day, D.R.; Jabaiah, S.; Jacobs, R.S.; Little, R.D. *Marine Drugs*, **2013**, *11*, 3258-3271

- 142 2013 Efficient indirect electrochemical synthesis of 2-substituted benzoxazoles using NaI as a mediator, Li, W-C.; Zeng, C-C.; Hu, L-M.; Tian, H-y.; Little, R. D. *Advanced Synthesis and Catalysis*, **2013**, 355, 2884-2890

- 143 2013 Electrochemically induced C-H functionalization using bromide ion/TEMPO dual redox catalysts in a two-phase electrolytic system, Li, C.; Zeng, C-C.; Hu, L-M.; Yang, F-L.; Yoo, S. J.; Little, R. D. *Electrochim. Acta*, **2013**, *114*, 560-566

- 144 2014 Optimizing the Performance of Electron Transfer Mediators Based on Arylimidazoles by Ring Fusion: Electrochemistry, Computational Analysis and Application of 2-Aryl-1-methyl[9,10-d] Phenanthroimidazoles, Francke, R.; Little, R. D. *J. Am. Chem. Soc.* **2014**, *136*, 427-435

- 145 2014 Redox Catalysis in Organic Electrosynthesis: Basic Principles and Recent Developments, Francke, R.; Little, R. D. *Chem. Soc. Rev.* **2014**, *43*, 2492-2521

- 146 2014 Electrochemical synthesis of 3,5-disubstituted isoxazoles, Xiao, H-L.; Zeng, C-C.; Tian, H-Y.; Hu, L-M.; Little, R.D. *J. Electroanal. Chem.* **2014**, *727*, 120-124

- 147 2014 A comparative study of organic electron transfer redox mediators: electron transfer kinetics for triarylimidazole and triarylamine mediators in the oxidation of 4-methoxybenzyl alcohol, N. Lu, S. Joon Yoo, Long-Jie Li, C.C. Zeng, R. D. Little *Electrochim. Acta* **2014**, 142, 254-260
- 148 2014 Efficient Electrochemical Oxidative Aminations of Benzoxazoles using Alkylammonium Halides as Redox Catalysts, Gao, W-J.; Li, W-C.; Zeng, C-C.; Tian, H-Y.; Hu, L-M.; Little, R. D. *J. Org. Chem.* **2014**, 79 (20), 9613–9618
- 149 2015 Electrochemically induced ring-opening/Friedel-Crafts arylation of chalcone epoxides catalyzed by a triarylimidazole redox mediator, Lu, N-N.; Zhang, N-T.; Zeng, C-C.; Hu, L-M.; Yoo, S.J.; Little, R. D. *J. Org. Chem.* **2015**, 80, 781-789
- 150 2015 Polymeric Ionic Liquid and Carbon Black Composite as a Reusable Supporting Electrolyte: Modification of the Electrode Surface, Yoo, S. J.; Li, Long-Ji; Zeng, C-C.; Little, R. D. *Angewandte Chemie, Int. Ed.* **2015**, 127, 3815-3818
- 151 2015 Electrocatalytic Aziridination of Alkenes Mediated by *n*-Bu₄NI: A Radical Pathway, Chen, J.; Yan, W-Q.; Lam, M.; Zeng, C-C.; Hu, L-M.; Tian, H-Y.; Little, R.D. *Org. Lett.* **2015**, 17, 986-989
- 152 2015 A promising electro-oxidation of methyl-substituted aromatic compounds to aldehydes in aqueous imidazole ionic liquid solutions, Yinghong Zhu; Ying Zhu; Zeng, H.; Chen, Z.; Little, R. D.; Ma, C. *J. Electroanal. Chem.* **2015**, 751, 105-110
- 153 2015 Reductive Coupling, James H.P. Utley, Little, R. D., Merete Folmer Nielsen Chapter 17 of *Organic Electrochemistry*, O. Hammerich and B. Speiser, Eds.; 5th edition, **2015**; CRC Press Taylor & Francis Group
- 154 2015 Electrosynthesis of Bioactive Materials, Randi K. Gbur and Little, R. D. Chapter 37 of *Organic Electrochemistry*, O. Hammerich and B. Speiser, Eds.; 5th edition, **2015**; CRC Press Taylor & Francis Group
- 155 2015 Aromatic C-H bond functionalization induced by electrochemically in situ generated tris(*p*-bromophenyl)aminium (TBPA) radical cation: cationic chain reactions of electron-rich aromatics with enamides, Li, L.; Jiang, Y.; Zeng, C-C; Hu, L-M.; Tian, H-Y.; Lam, C. M.; Little, R. D. *J. Org. Chem.* **2015**, 80(21), 11021-11030

- 156 2016 Electrochemically catalyzed amino-oxygenation of alkenes: *n*-Bu₄NI induced C-N followed by C-O bond formation cascade for the synthesis of indolines, Liang, S.; Zeng, C.-C.; Luo, X.-G.; Ren, F.-Z.; Tian, H.-Y.; Sun, B.-G.; Little, R.D. *Green Chemistry*, **2016**, *18*, 2222-2230

- 157 2016 Electrochemical Synthesis of Benzoxazoles Mediated by 2,3-Dichloro-5,6-dicyano-*p*-hydroquinone (DDH) as a Redox Catalyst, Kang, L.-S.; Xiao, H.-L.; Zeng, C.-C.; Hu, L. M.; Little, R. D. *J. Electroanal. Chem.* **2016**, *767*, 13-17

- 158 2016 Electrochemical analysis of the triarylimidazole-type organic redox catalysts: reversibility and homogeneous electron transfer kinetics for the oxidation of 4-methoxybenzyl alcohol, Zhang, K.-Y.; Lu, N.; Yoo, S.J.; Hu, L.-M.; Little, R.D.; Zeng, C.-C. *Electrochimica Acta*, **2016**, *199*, 357-365

- 159 2016 Applicability of a Polymerized Ionic Liquid /Carbon Nanoparticle Composite Electrolyte to Reductive Cyclization and Dimerization Reactions, Herold, S.; Waldvogel, S. R.; Little, R. D.; Yoo, S. J. *Electrochimica Acta*, **2016**, *196*, 735-740

- 160 2016 Peroxidative Oxidation of Lignin and a Lignin Model Compound by a Manganese SALEN Derivative, Springer, S. D.; He, J.; Chui, M.; Little, R. D.; Foston, M.; Butler, A. *ACS Sustainable Chemistry & Engineering*, **2016**, *4* (6), 3212-3219

- 161 2016 Electrochemical C-H functionalization and subsequent C-S and C-N bond formation: Paired electrosynthesis of 3-amino-2-thiocyanato- α,β -unsaturated carbonyl derivatives mediated by bromide ion, Kang, L.-S.; Luo, M.-H.; Lam, C.M.; Hu, L.; Little, R. Daniel; Zeng, C.-C. *Green Chemistry*, **2016**, *18*, 3767-3774

- 162 2016 Electrochemical oxidative amination of sodium sulfinates: synthesis of sulfonamides mediated by NH₄I as a redox catalyst, Jiang, Y.-y.; Liang, S.; Hu, L.-M.; Little, R. D.; Zeng, C.-C. *J. Org. Chem.* **2016**, *81*, 4713-4719

- 163 2016 The activation of C-H bonds using an EmimAc/MWCNTs composite: a comparison of the composite used as electrolyte and electrode in aqueous media, Zhu, Y.; Chen, Z.; Zhang, J.; Wu, Q.; Ma, Chun'an; Little, R.D. *Electrochim. Acta*, **2016**, *207*, 308-312

- 164 2017 Selective electrochemical C–O bond cleavage of β -O-4 lignin model compounds mediated iodide ion, Gao, W.-J.; Lam, C. M.; Sun, B.-G.; Little, R. D.; Zeng, C.-C. *Tetrahedron*, **2017**, *73*(17), 2447-2454

- 165 2017 High turnover in electro-oxidation of alcohols and ethers with a glassy carbon-supported phenanthroimidazole mediator, Johnson, B.M.; Francke, R.; Little, R.D.; Berben, L.A. *Chemical Science*, **2017**, 8, 6493-6498
- 166 2018 Electrochemistry: Technology, Synthesis, Energy, and Materials, Co-editor with K. D. Moeller of special issue of *Chemical Reviews* *Chemical Rev.* **2018**, 118 (9), 4483-4886
- 167 2018 Introduction: Electrochemistry: Technology, Synthesis, Energy, and Materials, R. D. Little & K. D. Moeller *Chem. Rev.* **2018**, 118, 4483-4484.
- 168 2019 Electrons and Holes as Catalysts in Organic Electrosynthesis, R. Francke and R. D. Little *ChemElectroChem*, **2019** <https://onlinelibrary.wiley.com/doi/10.1002/celec.201900432>
- 169 2019 Organic Electrosynthesis, Robert Francke, R. Daniel Little, and Shinsuke Inagi *ChemElectroChem* **2019**, 6, 4065–4066 [DOI: 10.1002/celec.201901175]
- 170 2019 Special Issue of ChemElectroChem: Organic Electrosynthesis, 2019, 6 (16), 4180-4296 *ChemElectroChem: Organic Electrosynthesis*, **2019**, 6 (16), 4180-4296
- 171 2019 Electrochemical cross-coupling of C(sp²)-H with aryldiazonium salts via a paired electrolysis: an alternative to visible light photoredox-based approach, Yang-ye Jiang, Gui-yuan Dou, Luo-sha Zhang, Kun Xu, R. Daniel Little, Cheng-chu Zeng *Advanced Synthesis & Catalysis*, **2019**, 361, 5170-5175
- 172 2020 Electrons, Electrodes, and the Transformation of Organic Molecules, R. Francke, Luis Alberto Gonzalez, R. D. Little, K. D. Moeller *Surface and Interface Science (Vol. 10)*, K. Wandelt (Ed.), Wiley-VCH, **2020**, 827-891. DOI: [10.1002/9783527822508.ch79](https://doi.org/10.1002/9783527822508.ch79)
- 173 2020 A Perspective on Organic Electrochemistry, R. Daniel Little *J. Org. Chem.* **2020**, 85(21), 13375–13390. <https://doi.org/10.1021/acs.joc.0c01408>
- 174 2021 Francke, R.; Prudlik, A.; Little, R. D., In *Science of Synthesis: Electrochemistry in Organic Synthesis*, Ackermann, L., Ed.; Thieme: Stuttgart, (2021); Vol. 1, p 293-324 (DOI: 10.1055/sos-SD-236-00029) *Science of Synthesis: Electrochemistry in Organic Synthesis*, (2021) **1**, 293.
- 175 2022 Versatile Tools for Understanding Electrosynthetic Mechanisms, Eric C. R. McKenzie, Seyyedamirhossein Hosseini, Ana G. Couto Petro, Kelly K. *Chem. Rev.* **2022**, 122(3), 3292-3335. DOI: 10.1021/acs.chemrev.1c00471

Rudman, Benjamin H. R. Gerroll, Mohammad S. Mubarak, Lane A. Baker, and R. Daniel Little

- 176 2022 How to Harness Electrochemical Mediators for Photocatalysis – A Systematic Approach Using the Phenanthro[9,10-*d*]imidazole Framework as a Test Case, Patrick Enders, Michal Májek, Chiu Marco Lam, R. Daniel Little, and Robert Francke *ChemCatChem* **2022**, e202200830, <https://doi.org/10.1002/cctc.202200830>
- 177 2022 Alkylidene Carbene from Silyl Vinyl Iodide Provides Mechanistic Insights on Trimethylenemethane Diyl-Mediated Tandem Cyclizations, Jee, D. W.; Myung, J.; Little, R. D.; Han, S.; Lee, H-Y. *Org. Lett.* **2022**, 24, 4399–4403 <https://doi.org/10.1021/acs.orglett.2c01622>