

## PUBLICATIONS

## 1969

1. The Photolysis of N-Acyliminopyridinium Ylids. Snieckus, V. *J. Chem. Soc., Chem. Commun.* **1969**, 831.
2. Photochemical Synthesis of 2-(2-Aminoethyl)Indole (Isotryptamine) Derivatives. Snieckus, V.; Bhandari, K.S. *Tetrahedron Lett.* **1969**, 10, 3375-3376.
3. A Simple, Inexpensive Zone Extractor for Thick-Layer Chromatography. Kan, G.; Snieckus, V. *J. Chem. Ed.* **1969**, 46, 763.

## 1970

4. The Photoisomerization of 1-Iminopyridinium Ylids to 1(1H), 2-Diazepines. Balasubramanian, A.; McIntosh, J.M.; Snieckus, V. *J. Org. Chem.* **1970**, 35, 433-438.
5. The Photolysis of Schneider's 1-Phenylimino-pyridinium Ylids. Snieckus, V.; Kan, G. *J. Chem. Soc., Chem. Commun.* **1970**, 172-173.
6. The Rearrangement of 1-Phenyliminopyridinium Ylids to 1,6-Dihydropyridazine Derivatives. Snieckus, V.; Kan, G. *Tetrahedron Lett.* **1970**, 11, 2267-2270.
7. Synthesis of 1-(2-Indolyl)-2-arylethylene Derivatives. Eenkhoorn, J.A.; de Silva, S.O.; Snieckus, V. *J. Chem. Soc., Chem. Commun.* **1970**, 1095-1096.
8. Reaction of Pirylium Salts with Methylhydrazine. Snieckus, V.; Kan, G. *J. Chem. Soc., Chem. Commun.* **1970**, 1208-1209.
9. The Reaction of Indole with N-Chloropyrrolidine and N-Chlorodibutylamine. Snieckus, V.; Lin, M.-S. *J. Org. Chem.* **1970**, 35, 3994.

## 1971

10. Reaction of 1-Acetyl-3-piperidinoindole with Acetylenic Esters. Lin, M.-S.; Snieckus, V. *J. Org. Chem.* **1971**, 36, 645-650.
11. Photochemical Synthesis of Benzo[c]Carbazole and Pyridocarbazoles. de Silva, S.O.; Snieckus, V. *Synthesis* **1971**, 254-255.
12. A Convenient Synthesis of the 1,2,3,4-Tetrahydropyrimido[3,4-a]Indole System. Bhandari, K.S.; Snieckus, V. *Synthesis* **1971**, 327-328.
13. Selected Catalytic Decompositions of Indole-2-Diazoketone. Bhandari, K.S.; Snieckus, V. *Can. J.*

*Chem.* **1971**, *49*, 2354-2359.

14. Reaction of Diazomethane with 2-Methyl-6,7-Methylenedioxy-3,4-Dihydroisoquinolinium Perchlorate, Ring Expansion to 3-Benzazepine and 3-Benzazocine Derivatives. Bernhard, H.O.; Snieckus, V. *Tetrahedron* **1971**, *27*, 2091-2100.
15. Photolysis and Thermolysis of Highly Substituted 1*H*-1,2-Diazepine Derivatives. Kan, G.; Thomas, M.T.; Snieckus, V. *J. Chem. Soc., Chem. Commun.* **1971**, 1022-1023.
16.  $\Pi$ -Complexes of 1*H*-1,2-Diazepines. Synthesis and Characterization of Tricarbonyliron and Ruthenium Derivatives. Carty, A.J.; Kan, G.; Madden, D.P.; Snieckus, V.; Stanton, M.; Birchall, T. *J. Organometal. Chem.* **1971**, *32*, 241-256.
17. Photochemical Synthesis of Isoindolo[1,2-*b*] [3] Benzazepine Derivatives. Preparation of Schöpf-Schweickert Amine VI<sup>1</sup>. Bernhard, H.O.; Snieckus, V. *Tetrahedron Lett.* **1971**, 4867-4870.

### 1972

18. Concerning the Protonation of 1,2-Diazepines. Thomas, M.T.; Snieckus, V.; Klingsberg, E. *J. Chem. Soc., Chem. Commun.* **1972**, 504-505.
19. Stereoselective Synthesis of Isoquinuclidones. I. Snieckus, V.; Onouchi, T.; Boekelheide, V. *J. Org. Chem.* **1972**, *37*, 2845-2848.

### 1973

20. The Wittig Reaction of Indole-2-Methyltriphenylphosphonium Iodide with 4-Piperidone Derivatives and Aromatic Aldehydes. Eenkhoorn, J.A.; de Silva, S.O.; Snieckus, V. *Can J. Chem.* **1973**, *51*, 792-810.
21. Iron Tricarbonyl Complexes of 1(1*H*),2-Diazepine and Methyl Substituted Derivatives. Novel Fluxional Organometallic Compounds. Carty, A.J.; Hobson, R.F.; Patel, H.A.; Snieckus, V. *J. Amer. Chem. Soc.* **1973**, *95*, 6835-6837.

### 1974

22. The Wittig Synthesis and Photocyclodehydrogenation of 3-(2-Aryl)Vinyldole Derivatives. de Silva, S.O.; Snieckus, V. *Can. J. Chem.* **1974**, *52*, 1294-1306.
23. The Synthesis of 1,2-Diazepines from Thiapyrylium Salts. Harris, D.J.; Kan, G.Y.-P.; Snieckus, V.; Klinsberg, E. *Can. J. Chem.* **1974**, *52*, 2798-2904.
24. Protonation and Acid-Catalyzed Rearrangement of 1,2-Diazepines. Harris, D.J.; Thomas, M.T.; Snieckus, V.; Klingsberg, E. *Can. J. Chem.* **1974**, *52*, 2805-2817.
25. Photochemical Synthesis of 1*H*-1,2-Benzodiazepines from *N*-Iminoquinolinium Ylide Dimers. Tsuchiya, T.; Kurita, J.; Igeta, H.; Snieckus, V. *J. Chem. Soc., Chem. Commun.* **1974**, 640-641.

### 1975

26. Sodium Borohydride Reduction of 1-Acyl-1,2(1*H*)-Diazepines and Their Iron Tricarbonyl Complexes. Some Reactions of 2,3-Dihydro-1,2(1*H*)-Diazepines. Tsuchiya, T.; Snieckus, V. *Can. J. Chem.* **1975**, *53*, 519-528.
27. Photocyclization of 2-Indolylalkyl *N*-Chloroacetamides. Bhandari, K.S.; Eenkhoorn, J.A.; Wu, A.; Snieckus, V. *Syn. Commun.* **1975**, *5*, 79-86.
28. A New Synthesis of a Stemmadenine Model. Wu, A.; Snieckus, V. *Tetrahedron Lett.* **1975**, 2057-2060.
29. Non-Photochemical Synthesis of 1*H*-1,2-Diazepines. Harris, D.J.; Kan, G.Y.-P; Snieckus, V.; Buchardt, O. *Synthesis* **1975**, 603-605.
30. Partial Purification of Rabbit Hind Brain Tryptophan Hydroxylase by Affinity Chromatography. Widmer, F.; Mutus, B.; Murthy, J. Rama; Snieckus, V.; Viswanatha, T. *Life Sciences* **1975**, *17*, 1297-1302.

### 1976

31. Tricarbonyl (4-7-h-1(1*H*), 2-diazepine)Iron(O): Fluxional Pathways. Carty, A.J.; Jablonski, C.R.; Snieckus, V. *Inorg. Chem.* **1976**, *15*, 601-607.
32. Photochemical Preparation of Dihydro-Pyrrolo [2,1-*b*] [3]benzazepines. A *Cephalotaxus* Alkaloid Synthon. Tse, I.; Snieckus, V. *J.C.S. Chem. Commun.* **1976**, 505-506.
33. Organometallic Route to *N*-Substituted 1*H*-1,2-Diazepines. Harris, D.J.; Snieckus, V. *J. Chem. Soc., Chem. Commun.* **1976**, 844-845.
34. The Relationship Between Glucosinolate Content of Cruciferous Plants and Ovideposition Preferences of *Hylemya Brassicae* (Bouche) (Diptera, Anthomyiidae). Nair, K.S.S.; McEwen, F.L.; Wetter, L.R.; Snieckus, V. *Can. Entomol.* **1976**, *108*, 1031-1036.

### 1977

35. The Thermal and Photochemical Rearrangement of 1,2(4*H*)-Diazepine Derivatives. Harris, D.J.; Thomas, M.T.; Snieckus, V.; Friedman, N.; Schaumburg, K.; Tomer, K.B.; Buchardt, O. *Can. J. Chem.* **1977**, *55*, 56-64.
36. Baeyer-Villiger Type Oxidation of an Isoindolo [1,2-*b*] [3] Benzazepine Derivative. Bernhard, H.O.; Reed, J.N.; Snieckus, V. *J. Org. Chem.* **1977**, *42*, 1093-1095.
37. General Photochemical Synthesis of 1*H*-1,2-Benzodiazepines from *N*-Iminoquinolinium Ylide Dimers. Tsuchiya, T.; Kurita, J.; Snieckus, V. *J. Org. Chem.* **1977**, *42*, 1856-1862.
38. On the Mechanism of Oxygen Activation by Tetrahydropterin and Dihydroflavin-Dependent Monooxygenases. Dmitrienko, G.I.; Snieckus, V.; Viswanatha, T. *Bioorg. Chem.* **1977**, *6*, 421-429.

### 1978

39. Indole-*N*-Alkylation of Tryptamines via Dianion and Phthalimido Intermediates. New Potential

Indolealkylamine Haptens. de Silva, S.O.; Snieckus, V. *Can. J. Chem.* **1978**, *56*, 1621-1627.

40. Alkylation of  $\alpha,\beta$ -Unsaturated Amides via Metalated and Dimetalated Intermediates. Oakleaf, J.A.; Thomas, M.T.; Wu, A.; Snieckus, V. *Tetrahedron Lett.* **1978**, 1645-1648.
41. The Intramolecular Ene Reaction in Organic Synthesis; Oppolzer, W.; Snieckus, V. *Angew Chem. Int. Ed. Engl.* **1978**, *17*, 476-486.
42. Directed Lithiation of *N,N*-Diethylbenzamides. Regiospecific Synthesis of Contiguously Tri- and Tetra-substituted Alkoxybenzenes. de Silva, S.O.; Reed, J.N.; Snieckus V. *Tetrahedron Lett.* **1978**, 5099-5102.
43. Directed Lithiation of *N,N*-Diethylbenzamides. Regiospecific Synthesis of Unsymmetrical Anthraquinone Natural Products. de Silva, S.O.; Snieckus, V. *Tetrahedron Lett.* **1978**, 5103-5106.
44. Directed Lithiation of *N,N*-Diethylbenzamides. A Short Route to Phthalideisoquinoline Alkaloids. de Silva, S.O.; Ahmad, I.; Snieckus, V. *Tetrahedron Lett.* **1978**, 5107-5110.

### 1979

45. A Convenient Route to 4-Substituted 1,2(4H)-Diazepine Derivatives. Bemis, L.; Thomas, M.T.; Snieckus, V. *Synthesis* **1979**, 130-132.
46. A Convergent Route to Phthalideisoquinoline Alkaloids via Directed Metalation of Tertiary Benzamides. de Silva, S.O.; Ahmad, I.; Snieckus, V. *Can. J. Chem.* **1979**, *57*, 1598-1605.
47. A General Route to Anthraquinone Natural Products via Directed Metalation of *N,N*-Diethylbenzamides. de Silva, S.O.; Watanabe, M.; Snieckus, V. *J. Org. Chem.* **1979**, *44*, 4802-4808.

### 1980

48. Tandem Directed Metalation Reactions. Short Syntheses of Polycyclic Aromatic Hydrocarbons and Ellipticine Alkaloids. Watanabe, M.; Snieckus, V. *J. Am. Chem. Soc.* **1980**, *102*, 1457-1460.
49. Reaction of Perylum Salts with Hydrazine and Methylhydrazine. Concerning the Scope of the 1,2(4H)-Diazepine Synthesis. Harris, D.J.; Kan, G.Y.-P.; Tschamber, T.; Snieckus, V. *Can. J. Chem.* **1980**, *58*, 494-500.
50. Purification and Some Properties of Tryptophan-5-monooxygenase from Rabbit Hindbrain. Widmer, F.; Gross, E.; Mutus, B.; Snieckus, V.; Viswanatha, T. *J. Solid-Phase Biochem.* **1980**, *5*, 97-114.
51. Heterocycles via *ortho*-Lithiated Benzamides. Snieckus, V. *Heterocycles* **1980**, *14*, 1649-1676.
52. Tandem Conjugate Addition- $\alpha$ -Alkylation of Unsaturated Amides. Synthetic Methodology. Mpango, M.P.; Mahalanabis, K.; Mahdavi-Damghani, Z.; Snieckus, V. *Tetrahedron Lett.* **1980**, 4823-4826.
53. Tandem Conjugate Addition- $\alpha$ -Alkylation of Unsaturated Amides. Synthesis of 1-Aryltetralin Lignans. Mpango, M.P.; Snieckus, V. *Tetrahedron Lett.* **1980**, 4827-4830.

## 1981

54. Metalated Unsaturated Amides. Regio- and Stereo-Selective  $\alpha$ -Alkylation. Majewski, M.; Mpango, G.B.; Thomas, M.T.; Wu, A.; Snieckus, V. *J. Org. Chem.* **1981**, *46*, 2029-2045.
55. Directed Metalation of Tertiary Benzamides. Abbreviated Syntheses of Phenanthro-Quinolizidine and -Indolizidine Alkaloids. de Silva, S.O.; Iwao, I.; Watanabe, M.; Snieckus, V. *Tetrahedron Lett.* **1981**, 2349-2352.
56. Radioimmunoassay of Melatonin in Rat Serum. Groto, L.J.; Snieckus, V.; de Silva, S.O.; Tsui, H.W.; Holloway, W.R.; Lewy, A.J.; Brown, G.M. *Prog. Neuro-Psychopharmacol.* **1981**, *5*, 523-526.
57. 1,2-Diazepines: A New Vista in Heterocyclic Chemistry. Snieckus, V.; Streith, J. *Acct. Chem. Res.* **1981**, *14*, 348.
58. A Radioimmunoassay for N-Acetylserotonin in Biological Tissues. Pang, S.F.; Brown, G.M.; Campbell, S.L.; Snieckus, V.; de Silva, S.O.; Young, S.N.; Grota, L.J. *J. Immunoassay* **1981**, *2*, 263-276.

## 1982

59. Synthesis of Pyrethroids via Epoxyamide Cyclization. Majewski, M.; Snieckus, V. *Tetrahedron Lett.* **1982**, *23*, 1343-1344.
60. Directed Metalation of Tertiary Benzamides. Short Syntheses of Hydrangenol and Phyllodulcin. Watanabe, M.; Sahara, M.; Furukawa, S.; Billedeau, R.; Snieckus, V. *Tetrahedron Lett.* **1982**, *23*, 1647-1650.
61. Dimetalated Tertiary Succinamides. Alkylation and Annelation Reactions. Mahalanabis, K.K.; Mumtaz, M.; Snieckus, V. *Tetrahedron Lett.* **1982**, *23*, 3971-3974.
62. Dimetalated Tertiary Succinamides. Synthesis of Several Classes of Lignans, Including the Mammalian Urinary Lignans Enterolactone and Enterodiol. Mahalanabis, K.K.; Mumtaz, M.; Snieckus, V. *Tetrahedron Lett.*, **1982**, *23*, 3975-3978.
63. Directed Metalation of Tertiary Benzamides. *ortho-N*-Aryl Amination and Synthesis of Acridones. Iwao, M.; Reed, J.N.; Snieckus, V. *J. Am. Chem. Soc.* **1982**, *104*, 5531-5533.
64. Directed Lithiation of Aromatic Tertiary Amides: An Evolving Synthetic Methodology for Polysubstituted Aromatics. Beak, P.; Snieckus, V. *Acct. Chem. Res.* **1982**, *15*, 306-312.
65. A Convenient Entry into the Rhoeadan Skeleton. Total Synthesis of ( $\pm$ )-*cis*-Alpinigenine. Ahmad, I.; Snieckus, V. *Can. J. Chem.* **1982**, *60*, 2678-2686.

## 1983

66. Directed *ortho* Metalation of Tertiary Aromatic Amides. A New *N*-Heteroring Annelation Method and Synthesis of Phenanthro-quinolizidine and -indolizidine Alkaloids. Iwao, M.; Mahalanabis, K.K.; Watanabe, M.; de Silva, S.O.; Snieckus, V. *Tetrahedron* **1983**, *39*, 1955-1962.

67. Directed Metalation of Tertiary Benzamides. Silicon Protection of *ortho* Sites and *ortho* Methyl Groups. Mills, R.J.; Snieckus, V. *J. Org. Chem.* **1983**, *48*, 1565-1568.
68. The Directed *ortho* Lithiation of O-Aryl Carbamates. An Anionic Equivalent of the Fries Rearrangement. Sibi, M.P.; Snieckus, V. *J. Org. Chem.* **1983**, *48*, 1935-1937.
69. *ortho*-Amination of Lithiated Tertiary Benzamides. Short Route to Polysubstituted Anthranilamides. Reed, J.N.; Snieckus, V. *Tetrahedron Lett.* **1983**, *24*, 3795-3798.
70. Directed *ortho* Metalation of Silyloxybenzamides. Anion Induced O  $\rightarrow$  C Silicon Rearrangement. Billedeau, R.J.; Sibi, M.P.; Snieckus, V. *Tetrahedron Lett.* **1983**, *24*, 4515-4518.
71. Antibodies to Indolealkylamines II: Site of Conjugation of Melatonin to Protein Using Formaldehyde. Grota, L.J.; Snieckus, V.; de Silva, S.O.; Brown, G.M. *Can. J. Biochem. Cell. Biol.* **1983**, *61*, 1096-1101.

### 1984

72. *ortho* Lithiated Tertiary Benzamides. Magnesium Transmetalation and Synthesis of Phthalides and Isocoumarins Including Mellein and Kigelin. Sibi, M.P.; Miah, M.A.J.; Snieckus, V. *J. Org. Chem.* **1984**, *49*, 737-742.
73. *ortho* Lithiated Tertiary Benzamides. Chain Extension via *o*-Toluamide Anions and General Synthesis of Isocoumarins Including Hydrangenol and Phyllodulcin. Watanabe, M.; Sahara, M.; Kubo, M.; Furukawa, S.; Billedeau, R.J.; Snieckus, V. *J. Org. Chem.* **1984**, *49*, 742-747.
74. Silicon in Benzamide Directed *ortho* Metalation Reactions. Synthesis of Peri-Methyl Substituted PAHs and Natural Anthraquinones. Mills, R.J.; Snieckus, V. *Tetrahedron Lett.* **1984**, *25*, 479-482.
75. Silicon in Benzamide Directed *ortho* Metalation Reactions. Carbo- and Bromo-Desilylations and Synthesis of Naturally-Occurring Anthraquinones. Mills, R.J.; Snieckus, V. *Tetrahedron Lett.* **1984**, *25*, 483-486.
76. Silicon in Benzamide Directed *ortho* Metalation. Formation and Reactions of Benzamide Benzyne. Shankaran, K.; Snieckus, V. *Tetrahedron Lett.* **1984**, *25*, 2827-2830.
77. Synthesis of Pyrethroid Amides via Epoxy Amide Cyclization. Majewski, M.; Snieckus, V. *J. Org. Chem.* **1984**, *49*, 2682-2687.
78. Benzamide Directed *ortho* Metalation. A Route to the A/B Ring Synthon of Daunomycinone. Sibi, M.P.; Altintas, N.; Snieckus, V. *Tetrahedron* **1984**, *40*, 4593-4596.
79. Directed *ortho* Metalation-Induced Epoxy Cyclialkylation. Regiospecific **5-Exo-Tet** and **6-Exo-Tet** Routes to Benzofurans and Benzopyrans. Shankaran, K.; Snieckus, V. *J. Org. Chem.* **1984**, *49*, 5022-5023.
80. Sequential Directed *ortho* Metalation Reactions. A Synthesis of Anthramycin. Reed, J.N.; Snieckus, V. *Tetrahedron Lett.* **1984**, *25*, 5505-5508.
81. New Directions in Heterocyclic Synthesis Using Metalated Benzamides. Snieckus, V., *J.*

*Heterocyclic Chem.*, **1984**, 95-106.

### 1985

82. Directed *ortho* Metalation Reactions. Synthesis of the Naturally-Occurring Benz[a]anthraquinones X-14881 C and Ochromycinone. Katsuura, K.; Snieckus, V. *Tetrahedron Lett.* **1985**, 26, 9-12.
83. Dilithiated Synthons of Tertiary Benzamides, Phthalamides, and O,O'-Aryl Dicarbamates. Mills, R.J.; Horvath, R.F.; Sibi, M.P.; Snieckus, V. *Tetrahedron Lett.* **1985**, 26, 1145-1148.
84. 3,5-Dilithiated Tertiary Thiophene 2-carboxamide. Regioselective Entries into Diversely Substituted Thiophenes. Doadt, E.G.; Snieckus, V. *Tetrahedron Lett.* **1985**, 26, 1149-1152.
85. Combinational *O*-Aryl Carbamate and Benzamide Directed *ortho* Metalation Reactions. Synthesis of Ochratoxin A and Ochratoxin B. Sibi, M.P.; Chattopadhyay, S.; Dankwardt, J.W.; Snieckus, V. *J. Am. Chem. Soc.* **1985**, 107, 6312-6315.
86. Synthetic Connections to the Aromatic Directed Metalation Reaction. Radical-Induced Cyclization to Substituted Benzofurans, Benzopyrans, and Furopyridines. Shankaran, K.; Sloan, C.P.; Snieckus, V. *Tetrahedron Lett.* **1985**, 26, 6001-6004.
87. Synthetic Connections to the Aromatic Directed Metalation Reaction. Unsymmetrical Biaryls by Palladium-Catalyzed Cross Coupling of Directed Metalation-Derived Arylboronic Acids with Aryl Halides. Sharp, M.J.; Snieckus, V. *Tetrahedron Lett.* **1985**, 26, 5997-6000.
88. Directed *ortho* Metalation of *O*-Pyridyl Carbamates. Regiospecific Entries into Polysubstituted Pyridines. Miah, M.A.J.; Snieckus, V. *J. Org. Chem.* **1985**, 50, 5436-5438.

### 1986

89. Anionic Aromatic Ring Annelation of *o*-Allylbenzamides. Regiospecific Synthesis of Naphthols and Naphthoquinones. Sibi, M.P.; Dankwardt, J.W.; Snieckus, V. *J. Org. Chem.* **1986**, 51, 271-273.
90. Stereoselective Deprotonation of  $\alpha,\beta$  Unsaturated Amides. Majewski, M.; Green, J.R.; Snieckus, V. *Tetrahedron Lett.* **1986**, 27, 531-534.
91.  $\gamma$ -Silylated  $\alpha,\beta$ -unsaturated Amides. Formation by [1,5] Silicon Migration from *O*-Silylated Vinyl Ketene Aminals and Fluoride - and Lewis Acid-Mediated Aldol Condensations. Green, J.R.; Majewski, M.; Alo, B.I.; Snieckus, V. *Tetrahedron Lett.* **1986**, 27, 535-538.
92. Synthetic Connections to the Aromatic Directed Metalation Reaction. A Modified von Niementowski Quinoline Synthesis from Anthranilamides. Chong, R.J.; Siddiqui, A.; Snieckus, V. *Tetrahedron Lett.* **1986**, 27, 5323-5326.

### 1987

93. Directed *ortho* Metalation Reactions. Convergent Synthesis of "Angular" Anthracyclinones Ochromycinone and X-14881 C<sup>1</sup>. Katsuura, K.; Snieckus, V. *Can. J. Chem.* **1987**, 65, 124-130.
94. Overriding Normal Friedel-Crafts Regiochemistry in Cyclacylation. Regiospecific

Carbodesilylation and Parham Cyclization Routes to 7-methoxy-1-indanols. Sibi, M.P.; Shankaran, K.; Alo, B.I.; Hahn, W.R.; Snieckus, V. *Tetrahedron Lett.* **1987**, 28, 2933-2936.

95. Synthetic Connections to the Aromatic Directed Metalation Reaction. Functionalized Aryl Boronic Acids by *Ips*o Borodesilylation. General Syntheses of Unsymmetrical Biphenyls and *m*-Terphenyls. Sharp, M.J.; Cheng, W.; Snieckus, V. *Tetrahedron Lett.* **1987**, 28, 5093-5096.
96. Synthetic Connections to the Aromatic Directed Metalation Reaction. Iterative *ortho* Metalation-Cross Coupling Tactics for the Construction of Polyphenyls. Cheng, W.; Snieckus, V. *Tetrahedron Lett.* **1987**, 28, 5097-5098.
97. Efficient Directed *ortho* Metalation-Based Route to Cytotoxic Furanonaphthoquinone Natural Products. Zani, C.L.; de Oliveira, A.B.; Snieckus, V. *Tetrahedron Lett.* **1987**, 28, 6561-6564.

### 1988

98. Réaction de Métallation *ortho* Dirigée des Composés Aromatiques. Nouvelles Méthodologies et Applications en Synthèse Organique. Snieckus, V. *Bull. Soc. Chim. France* (II), **1988**, 67-78.
99. Short Synthesis of Azafluorenone Alkaloids Using Transition Metal-Catalyzed Cross Coupling Tactics. Alves, T.; de Oliveira, A.B.; Snieckus, V. *Tetrahedron Lett.* **1988**, 29, 2135-2136.
100. Aryl Radical-Induced Cyclization Routes to Furo[2,3-*b*]Benzofurans. Abbreviated Formal Syntheses of Aflatoxins B<sub>1</sub> and B<sub>2</sub>. Sloan, C.P.; Cuevas, J.C.; Quesnelle, C.; Snieckus, V. *Tetrahedron Lett.* **1988**, 29, 4685-4686.
101. The Directed *ortho* Metalation Connection to Aryl-Aryl Cross Coupling. A General Synthesis of Phenanthrols. Fu, J.-m.; Sharp, M.J.; Snieckus, V. *Tetrahedron Lett.* **1988**, 29, 5459-5462.
102. The Directed Metalation Connection to Aryl-Aryl Cross Coupling. Regiospecific Synthesis of Phenanthridines, Phenanthridinones and the Biphenyl Alkaloid Ismine. Siddiqui, M.A.; Snieckus, V. *Tetrahedron Lett.* **1988**, 29, 5463-5466.

### 1989

103. *ortho*-Metalated Aryl *tert*-Butyl Sulfones. Comparison with Other Directing Groups and New Methodology for Polysubstituted Aromatics. Iwao, M.; Iihama, T.; Mahalanabis, K.K.; Perrier, H.; Snieckus, V. *J. Org. Chem.* **1989**, 54, 24-26.
104. Regiospecific Syntheses of all Isomeric Nitrofluorenones and Nitrofluorenes by Transition Metal Catalyzed Cross Coupling Reactions. Iihama, T.; Fu, J.-m.; Bourguignon, M.; Snieckus, V. *Synthesis* **1989**, 184-188.
105. Directed *ortho* Metalation of *N,N*-Diethyl Benzamides. Silicon Protection of *ortho* Sites and the *o*-Methyl Group. Mills, R.J.; Taylor, N.J.; Snieckus, V. *J. Org. Chem.* **1989**, 54, 4372-4385.
106. Directed Metalation of *N,N*-Diethyl Benzamides. Silylated Benzamides for the Synthesis of *Peri*-Methyl Natural Anthraquinones and Polycyclic Aromatic Hydrocarbons. Mills, R.J.; Snieckus, V. *J. Org. Chem.* **1989**, 54, 4386-4390.
107. Re-evaluation of the Effect of Ellagic Acid on Dimethylnitrosamine Mutagenicity. Lord, H.L.;



Snieckus, V.; Josephy, P.D. *Mutagenesis* **1989**, *4*, 453-455.

108.  $\alpha'$ -Silylated Tertiary Benzamides as Dual *ortho*- and  $\alpha'$ -Carbanion Synthons. Carbodesilylative Routes to Isoquinoline and Dibenzoquinolizidine Derivatives. Cuevas, J.-C. and Snieckus, V. *Tetrahedron Lett.* **1989**, *30*, 5837-5840.
109.  $\alpha',\beta'$ -Disilylated Tertiary Benzamides as Dual *ortho*  $\alpha'$ -Carbanion Synthons. Amide Peterson Olefination Routes to N-Benzoyl Enamines, Isoquinolines, and Dibenzazocines. Cuevas, J.-C.; Patil, P. and Snieckus, V. *Tetrahedron Lett.* **1989**, *30*, 5841-5844.

### 1990

110. Intramolecular  $\alpha$ -Amidoyl to Aryl 1,5-Hydrogen Atom Transfer Reactions. Heteroannulation and  $\alpha$ -Nitrogen Functionalization by Radical Translocation. Snieckus, V.; Cuevas, J.-C.; Sloan, C.P.; Liu, H.; Curran, D.P. *J. Am. Chem. Soc.* **1990**, *112*, 896-898.
111. Connections to the Directed *ortho* Metalation Strategy. Pd(O)-Catalyzed Cross Coupling of Aryl Boronic Acids with Aryl Triflates. Fu, J.-m.; Snieckus, V. *Tetrahedron Lett.* **1990**, *31*, 1665-1668.
112. Concise Syntheses of the Amaryllidaceae Alkaloids Ungerimine and Hippadine via the Suzuki Aryl-Aryl Cross Coupling Reaction. Siddiqui, M.A.; Snieckus, V. *Tetrahedron Lett.* **1990**, *31*, 1523-1526.
113. Regioselective Synthetic Processes Based on the Aromatic Directed Metalation Strategy. Snieckus, V. *Pure Appl. Chem.* **1990**, *62*, 671-680.
114. Reevaluation of the Effect of Ellagic Acid on *N*-Methyl-*N*-Nitrosoarene DNA Alkylation and Mutagenicity. Lord, H.L.; Snieckus, V.; Josephy, P.D. *Chem. Res. Toxicol.* **1990**, *3*, 195-198.
115. Regioselective Synthesis of Substituted Anthraquinones by Tandem Directed *ortho* Metalation-Metal Halogen Exchange. Wang, X.; Snieckus, V. *Synlett* **1990**, 313-316.
116. The 2-(Trimethylsilyl)ethoxymethoxy (OSEM) Directed *ortho* Metalation Group. New Regiospecific Synthetic Routes to Substituted Benzenes and Pyridines. Sengupta, S.; Snieckus, V. *Tetrahedron Lett.* **1990**, *31*, 4267-4270.
117.  $\alpha$ -Metalated Tertiary Enol Carbamates. New Acyl Anion Equivalents. Sengupta, S.; Snieckus, V. *J. Org. Chem.* **1990**, *55*, 5680-5683.
118. Inhibition of Benzo[a]pyrene Dihydrodiol Epoxide Mutagenicity by Synthetic Analogues of Ellagic Acid. Josephy, P.D.; Lord, H.L.; Snieckus, V. *Mutation Res.* **1990**, *242*, 143-149.
119. Directed *ortho* Metalation. Tertiary Amide and O-Carbamate Directors in Synthetic Strategies for Polysubstituted Aromatics. Snieckus, V. *Chem. Rev.* **1990**, *90*, 879-933.
120. The Directed *ortho* Metalation Reaction. Methodology, Applications, Synthetic Links, and a Non-Aromatic Ramification. Snieckus, V. *Pure Appl. Chem.* **1990**, *62*, 2047-2056.

### 1991

121. Remote Aromatic Metalation. An Anionic Friedel-Crafts Equivalent for the Regioselective

Synthesis of Condensed Fluorenones from Biaryl and *m*-Teraryl 2-amides. Fu, J.-m.; Zhao, B.-p.; Sharp, M.J.; Snieckus, V. *J. Org. Chem.* **1991**, *56*, 1683-1685.

122. Sequential Directed *ortho* Metalation - Boronic Acid Cross Coupling Reactions. A General Regiospecific Route to Oxygenated Dibenzo[b,d]pyran-6-ones Related to Ellagic Acid. Alo, B.I.; Kandil, A.; Patil, P.A.; Sharp, M.J.; Siddiqui, M.A.; Josephy, P.D.; Snieckus, V. *J. Org. Chem.*, **1991**, *56*, 3763-3768.
123. Synthetic Strategies Based on Aromatic Metalation - Cross Coupling Links. Regiospecific Synthesis of the Phenanthrene Natural Product Gymnopusin. Wang, X. and Snieckus, V. *Tetrahedron Lett.*, **1991**, *32*, 4879-4882.
124. Synthetic Strategies Based on Aromatic Metalation - Cross Coupling Links. A Concise Formal Synthesis of the Azaphenanthrene Alkaloid Eupolauramine. Wang, X. and Snieckus, V. *Tetrahedron Lett.*, **1991**, *32*, 4883-4884.
125. Integrated Aromatic Metalation - Cross Coupling Methodologies. A Concise Synthesis of the Azafluoranthene Alkaloid Imeluteine. Zhao, B. and Snieckus, V. *Tetrahedron Lett.*, **1991**, *32*, 5277-5278.
126. The *N*-*t*-Butylcarbamoyl Directed Metalation Group for the Regiospecific Synthesis of 2-Substituted Pyrroles and Indoles. Gharpure, M.; Stoller, A.; Bellamy, F.; Firnau, G. and Snieckus, V. *Synthesis*, **1991**, 1079-1082.

## 1992

127. Directed *ortho* Metalation of *p*-Deficient Heteroaromatics. Strategies for Functionalization of Pyridines, Quinolines, and Diazines. Queguiner, G.; Marsais, F.; Snieckus, V.; Epszajn, J. *Advan. Heterocyclic Chem.* **1992**, *52*, 187-304.
128. Remote Directed Metalation of Biaryl *O*-Carbamates. Ring to Ring Carbamoyl Transfer Route to Biaryls, Dibenzo[b,d]pyranones, and the Synthesis of the Natural Fluorenone Dengibsin. Wang, W. and Snieckus, V. *J. Org. Chem.*, **1992**, *57*, 424-427.
129. Directed *ortho* Metalation of Aryl and Pyridyl *O*-Thiocarbamates. Versatile Route for Substituted Phenol into Thiophenol Conversion. Beaulieu, F. and Snieckus, V. *Synthesis*, **1992**, 112-118.
130. Expedient Route to 3- and 3,3'-Substituted 1,1'-Bi-2-Naphthols by Directed *ortho* Metalation and Suzuki Cross Coupling Methods. Cox, P.; Wang, W. and Snieckus, V. *Tetrahedron Lett.* **1992**, *33*, 2253-2256.
131. The *tert*-Butyl Sulfoxide Directed *ortho* Metalation Group. New Synthetic Methodology for Substituted Aromatics and Pyridines and Comparison with Other Metalation Directors. Quesnelle, C.; Iihama, T.; Aubert, T.; Perrier, H.; Snieckus, V. *Tetrahedron Lett.* **1992**, *33*, 2625-2628.
132. Directed *ortho* Metalation - Suzuki Cross Coupling Connections. Convenient Regiospecific Routes to Functionalized *m*- and *p*-Teraryls and *m*-Quinquearyls. Unrau, C.; Campbell, M.G.; and Snieckus, V. *Tetrahedron Lett.*, **1992**, *33*, 2773-2776.
133. Synthetic Connections to the Directed *ortho* Metalation Reaction. 3,4-Pyridynes from 4-Trialkylsilyl-3-Pyridyl Triflates. Tsukazaki, M. and Snieckus, V. *Heterocycles*, **1992**, *33*, 533-

536.

134. Directed *ortho* Metalation of N,N-Diethyl Benzamides. Methodology and Regiospecific Synthesis of Useful Contiguously Tri- and Tetra-Substituted Oxygenated Aromatics. de Silva, S.O.; Reed, J.N.; Billedeau, R.; Wang, X.; Norris, D.J.; and Snieckus, V. *Tetrahedron*, **1992**, *48*, 4863-4878.
135. Ni(0)-Catalysed Cross Coupling of Aryl O-Carbamates and Aryl Triflates with Grignard Reagents. Directed *ortho* Metalation-Aligned Synthetic Methods for Polysubstituted Aromatics via a 1,2-Dipole Equivalent. Sengupta, S.; Leite, M.; Raslan, D.S.; Quesnelle, C.; and Snieckus, V. *J. Org. Chem.* **1992**, *57*, 4066-4068.
136. Directed *ortho* Metalation - Radical-Induced Cyclization Synthetic Connections. Route to Highly Substituted Benzofurans. Tsukazaki, M. and Snieckus, V. *Can. J. Chem.* **1992**, *70*, 1486-1491.

### 1993

137. 2-(N,N-Diethylcarbamoyloxy)Allylsilane. Dual Reactivity with  $\alpha,\alpha'$ -Acetone Dianion and Allene 1,2-Dipole Equivalency. Tsukazaki, M. and Snieckus, V. *Tetrahedron Lett.* **1993**, *34*, 411-414.
138. Fluorinated Vinyl Carbamates and Carbamoyloxy Allylsilanes.  $\alpha$ -Metalation, Organolithium Addition-Elimination and Fluoride-Mediated Electrophilic Reactivity Patterns. Lee, J.; Tsukazaki, M. and Snieckus, V. *Tetrahedron Lett.* **1993**, *34*, 415-418.
139. Directed 2-Metalation of N,N-Diethyl O-3(4-Trimethylsilyl)Pyridyl Carbamate. A Silicon Protection Route for Highly Substituted Pyridines. Tsukazaki, M.; Snieckus, V. *Heterocycles*, **1993**, *35*, 689-692.
140. Combined Directed Metalation - Cross Coupling Strategies. A Regiospecific Route to Heteroring-Annulated *ortho*-Naphthoquinones and a Short Synthesis of b-Lapachone. Brandao, M.A.; de Oliveira, A.B.; Snieckus, V. *Tetrahedron Lett.* **1993**, *34*, 2437-2440.

### 1994

141. *ortho* and Remote Metalation - Cross Coupling Strategies. Total Synthesis of the Naturally-occurring Fluorenone Dengibsinin and the Azafluoranthene Alkaloid Imeluteine. Fu, J.-m.; Zhao, B.-p.; Sharp, M.J.; Snieckus, V. *Can. J. Chem.* **1994**, *72*, 227-236.
142. Preparation of 7-Methoxyphthalide. Wang, X.; de Silva, S.O.; Reed, J.N.; Billedeau, R.; Griffen, E.J.; Chan, A. and Snieckus, V. *Org. Syn.* **1994**, *72*, 163.
143. Dimethylnitrosamine Genotoxicity: Does N-Acetyltransferase Activity Play a Role? Josephy, P.D.; Lord, H.L.; Snieckus, V. *Carcinogenesis*, **1994**, *15*, 479-482.
144. Directed *ortho* Metalation - Cross Coupling Connections. Nickel(0)-Catalyzed Cross Coupling of Aryl Triflates with Grignard Reagents. Quesnelle, C.; Familoni, W.; Snieckus, V. *Synlett* **1994**, 349-350.
145. Regioselective *N*-Methyl Carbon Lithiation of *N*-Boc-Methylalkylamines. Expedient Synthesis of Unsymmetrical Amines. Snieckus, V.; Rogers-Evans, M.; Beak, P.; Lee, W.K.; Yum, E.K.; Freskos, J. *Tetrahedron Lett.* **1994**, *35*, 4067-4070.

146. Directed *ortho* Metalation-Mediated F<sup>+</sup> Introduction. Regiospecific Synthesis of Fluorinated Aromatics. Snieckus, V.; Beaulieu, F.; Mohri, K.; Han, W.; Murphy, C.K.; Davis, F.A. *Tetrahedron Lett.* **1994**, *35*, 3465-3468.
147. Abbreviated Synthesis of Benzo[c]phenanthrene, Benz[a]anthracene and their Respective 5-Methyl Derivatives via Combined Metalation-Palladium-Catalyzed Cross Coupling Strategy. Chowdhury, S.; Zhao, B.; Snieckus, V. *Polycyclic Aromatic Compounds*, **1994**, *5*, 27-34.
148. Directed *ortho* Metalation Reactions. Expedient Synthesis of 3,3'-Disubstituted 1,1'-Bi-(2-Phenols) (BIPOLS). Parsons, A.S.; Garcia, J.M.; Snieckus, V. *Tetrahedron Lett.* **1994**, *35*, 7537-7540.
149. Directed Metalation of Diaryl Sulfone 2-Amides and 2-O-Carbamates. Regioselective General Route to Thioxanthene-9-One 10,10-Dioxides via Anionic Friedel-Crafts and Remote Fries Rearrangement Equivalents. Beaulieu, F.; Snieckus, V. *J. Org. Chem.* **1994**, *59*, 6508-6509.
150. Combined Directed *ortho* Metalation - Cross Coupling Strategies. Design for Natural Product Synthesis. Snieckus, V. *Pure Appl. Chem.*, **1994**, *66*, 2155-2158.

### 1995

151. Combined Metalation - Palladium Catalyzed Cross Coupling Strategies. A Formal Synthesis of the Marine Alkaloid Amphimedine. Guillier, F.; Nivoliers, F.; Godard, A.; Marsias, F.; Queguiner, G.; Siddiqui, M.A.; Snieckus, V. *J. Org. Chem.*, **1995**, *60*, 292-296.
152. Benzenoid Ring Functionalization of Indoles and Tryptophols Via Combined Directed *ortho* Metalation-Cross Coupling Methodology. Griffen, E.J.; Roe, D.; Snieckus, V. *J. Org. Chem.* **1995**, *60*, 1484-1485.
153. Growth inhibitory effect of naphthofuran and naphthofuranquinone derivatives on Trypanosoma Cruzi Epimastigotes. Ribeiro-Rodrigues, R.; dos Santos, W.G.; Zani, C.L.; Oliveira, A.B.; Snieckus, V., Romanha, A.J. *Bioorg. Medicin. Chem. Lett.* **1995**, *5*, 1509-1512.

### 1996

154. A Direct and Highly Enantioselective Synthesis of Ferrocenes with Planar Chirality Mediated by (-)-Sparteine. Tsukazaki, M.; Tinkl, M.; Roglans, A.; Chapell, B.J.; Taylor, N.J.; Snieckus, V. *J. Am. Chem. Soc.*, **1996**, *118*, 685-686.
155. Complex Induced Proximity Effect Enhancement in  $\alpha$ -Silyl Carbanion Generation. A General Conversion of 2-Silyl Benzamides into 2-Fluorosilylacetophenones. Brough, P.; Fisher, S.; Zhao, B.; Thomas, R.; Snieckus, V. *Tetrahedron Lett.* **1996**, *37*, 2995-2998.
156. Carbanion-mediated Heterocyclizations: Regiospecific and General Route to Dibenzo [b,e] phosphorinones via Anionic Friedel-Crafts and Remote Fries Rearrangement Synthetic Equivalents. Gray, M.; Chapell, B.J.; Taylor, N.J.; Snieckus, V. *Angew. Chem., Int. Ed. Engl.*, **1996**, *35*, 1558-1560.
157.  $\alpha$ -Zinc Vinyl Carbamates as Anionic Friedel-Crafts Equivalents. Cross Coupling Reactions with Aryl and Heteroaryl Halides and Triflates. Superchi, S.; Sotomayor, N.; Miao, G.; Joseph, B.;

Snieckus, V. *Tetrahedron Lett.* **1996**, *37*, 6057-6060.

158.  $\alpha$ -Aryl Vinyl *O*-Carbamates. Tandem Carbolithiation —  $\alpha$ -Alkylation and -[1,2]-Wittig Rearrangement Reactions. Superchi, S.; Sotomayor, N.; Miao, G.; Joseph, B.; Campbell, M.G.; Snieckus, V. *Tetrahedron Lett.* **1996**, *37*, 6061-6064.
159. 1,3-Asymmetric Induction via 1,5-Hydrogen Atom Translocation Reactions. Highly Enantioselective Synthesis of  $\beta$ -Amino Acids. Beaulieu, F.; Arora, J.; Veith, U.; Taylor, N.J.; Chapell, B.J.; Snieckus, V. *J. Am. Chem. Soc.* **1996**, *118*, 8727-8728.

### 1997

160. Synthesis of the Bifunctional Chelating Agent 6-(4-Aminobenzyl)-1,4,8,11-tetraazacyclotetradecane-*N,N',N'',N'''*-tetraacetic acid (H<sub>2</sub>NBn-TETA). Moreau, P.; Tinkl, M.; Tsukazaki, M.; Bury, P.S.; Griffen, E.J.; Snieckus, V.; Maraharajh, R.B.; Kwok, C. S.; Somayaji, V.V.; Peng, Z. Sykes, T.R.; Noujaim, A.A. *Synthesis*, **1997**, 1010-1012.
161. Intramolecular Anionic Friedel-Crafts Equivalents. General and Regiospecific Route to Substituted Xanthen-9-ones Including Naturally Occurring Xanthenes. Familoni, O.B.; Ionica, I.; Snieckus, V. *Synlett*, **1997**, 1081-1084.
162. Anionic Homologous Fries Rearrangement of *O*-(2-Methylaryl)-Carbamates. A Regiospecific Route to Benzo[b]furan-2(3H)-ones including an Unnamed Metabolite from Helenium Species. Miah, M.A.J.; Chattopadhyay, S.; Tsukazaki, M.; Wicki, M.; Nguyen, T.; Kerr, M.; Kalinin, A.; Snieckus, V. *Synlett*, **1997**, 839-841.
163. Intramolecular Anionic Friedel-Crafts Equivalents. An Expedient Synthesis of 4H-1,2-Benzothiazin-4-one 1,1-Dioxides from *N*-Arylsulfonylated Amino Acids. Iwema Bakker, W.; Familoni, O.B.; Padfield, J.; Snieckus, V. *Synlett*, **1997**, 1079-1080.
164. Combined Directed *ortho*-, remote- Metalation and Cross Coupling Strategies. Concise Syntheses of the Kinamycin Biosynthetic Grid Antibiotics Phenanthroviridin Aglycone and Kinobscurinone. Mohri S., Stefinovic M., Snieckus, V. *J. Org. Chem.*, **1997**, *62*, 7072-7073.
165. Combined Directed Metalation - Cross Coupling Strategies. Total Synthesis of the Aglycones of Gilvocarcin, V, M and E.; James, C. and Snieckus, V. *Tetrahedron Lett.*, **1997**, *38*, 8149-8152.

### 1998

166. Phenylboronic Acid-Mediated Synthesis of 2H-1-Benzopyrenes. da Silva, A.; Lopes, C.; Lopes, R.; Chauder, B.; Snieckus, V. *Synthesis*, **1998**, 279-282.
167. Synthesis of 2-Substituted Dihydropyran 3-*O*-Carbamates *vis* Combined Metalation - Suzuki-Miyaura Cross Coupling Reactions. Bower, J.; Guillaneux, D.; Nguyen, T.; Wong, P.L. and Snieckus, V. *J. Org. Chem.*, **1998**, *63*, 1514-1518.
168. Directed *ortho* Metalation - Cross Coupling Connections. Remote Lateral Metalation - Cyclization of 2-Imino-2'-Methyl Biaryls to 9-Aminophenanthrenes. A Synthesis of the Alkaloid Piperolactam C. Benesch, L.; Bury, P.; Guillaneux, D.; Houldsworth, S.; Wang, X. and Snieckus, V. *Tetrahedron Lett.*, **1998**, *39*, 961-964.

169. Directed *ortho* Metalation - Cross Coupling Connections. Total Synthesis of Amaryllidaceae Alkaloids Buflavine and 8-O-Demethylbuflavine. Prakash, A.P.; Snieckus, V. *Tetrahedron Lett.* **1998**, *39*, 1325-1326.
170. The Stille Cross Coupling Reactions on Solid Support. Link to Solution Phase Directed *ortho* Metalation. An Ester Linker Approach to Styryl, Biaryl and Heterobiaryl Carboxylic Acids. Chamoin, S.; Houldsworth, S.; Snieckus, V. *Tetrahedron Lett.* **1998**, *39*, 4175-1478.
171. The Suzuki-Miyaura Cross Coupling Reactions On Solid Support. Link To Solution Phase Directed *ortho* Metalation. The Leznoff Acetal Linker Approach To Biaryl and Heterobiaryl Aldehydes. Chamoin, S.; Houldsworth, S.; Krusse, C.G.; Iwema Bakker, W.; Snieckus, V. *Tetrahedron Lett.* **1998**, *39*, 4179-1482.
172. The Di-*t*- Butylphosphinyl Directed *ortho* Metalation Group. Synthesis of Hindered Dialkylarylphosphines. Gray, M.; Chapell, B.J.; Felding, J.; Taylor, N.J.; Snieckus, V. *Synlett*, **1998**, 422-424.
173. Connecting Directed *ortho* Metalation and Olefin Metathesis Strategies. Benzene-fused Multiring-sized Oxygen Heterocycles. First Syntheses of Radulanin A and Helianane. Stefinovic, M.; Snieckus, V. *J.Org. Chem.*, **1998**, *63*, 2808-2809.
174. Directed *ortho* and Remote Metalation-Cross Coupling Connections. Buchwald - Hartwig Synthesis of 2- Carbamoyl Diarylamines. Regioselective Anionic Routes to Acridones, Oxindoles, Dibenzo[b,f] azepinones, and Anthranilate Esters. MacNeil, S.; Gray, M.; Briggs, L.E.; Li, J.J.; Snieckus, V. *Synlett*, **1998**, 419-421.
175. A New Convenient Synthesis of Bifunctional Chelating Agent 1-(4-Aminobenzyl)-1,4,8,11-tetraazacyclotetradecane-N',N'',N'''-triacetic acid [1-(H<sub>2</sub>NBn-TETA)]. Maillet, M.; Kwok, C.; Noujaim, A.; Snieckus, V. *Tetrahedron Lett.*, **1998**, *39*, 2659-2662.
176. Directed *ortho* Metalation – Cross Coupling Links. Carbamoyl Rendition of the Baker-Venkataraman Rearrangement. Regiospecific Route to Substituted 4-Hydroxycoumarins. Kalinin, A.; da Silva, A.; Lopes, C.; Lopes, R.; Snieckus, V. *Tetrahedron Lett.*, **1998**, *39*, 4995-4998.
177. 4,6-Dimethoxy-3,7-Dimethylcoumarin from *Colchicum decaisnei*. Total synthesis by Carbamoyl Baker-Venkataraman Rearrangement and Structural Revision to Isoeugenetin Methyl Ether. Kalinin, A.; Snieckus, V. *Tetrahedron Lett.*, **1998**, *39*, 4999-5002.
178. Purification and Preliminary Charaterization of a Serine Hydrolase Involved in the Microbial Degradation of Polychlorinated Biphenyls. Seah, S.Y.K; Terracina, G; Bolin, J.T; Reibel, P; Snieckus, V; Eltis, L.D. *J. Biolog. Chem.* **1998**, *36*, 22943-22949.

**1999**

179. Directed *ortho* Metalation-Cross Coupling Route to Indolo-4,5-Quinodimethanes. Synthesis of Benz[e]Indoles. Kinsman, A.C.; Snieckus, V. *Tetrahedron Lett.*, **1999**, *40*, 2453-2456.
180. Directed *ortho* Metalation of Ferrocenes. Ring-Substituted Fulvenes by Nesmeyanov Ferrocenylcarbenium Ion Fragmentation. Miao, B.; Tinkl, M.; Snieckus, V. *Tetrahedron Lett.* **1999**, *40*, 2449-2542.

181. Directed Metalation Linked to Transition Metal Catalyzed Cascade Reactions: Two Total Syntheses of Plicadin, the Alleged Coumestan from *Psoralea plicata*. Chauder, B.A.; Kalinin, A.V.; Taylor, N.J.; Snieckus, V. *Angew. Chem. Int. Ed. Engl.*, **1999**, *38*, 1435-1438.
182. The Directed *ortho* Metalation – Ullmann Connection. A New Cu(I)-Catalyzed Variant for the Synthesis of Substituted Diaryl Ethers, Kalinin, A.V.; Bower, J.F.; Riebel, P.; Snieckus, V. *J. Org. Chem.*, **1999**, *64*, 2986-2987.
183. Impacts of Structural Photomodification on the Toxicity of Environmental Contaminants. Makallin, A.; McConkey, B.J.; Miao, G.; McKibben, B.; Snieckus, V.; Dixon, D.G.; Greenberg, B.M. *Ecotox. Environ. Safety*, **1999**, *43*, 204-212.
184. Contrasting Behaviour in the Photosolvolysis of 1-and 2-hydroxy-9-fluorenols in aqueous solution. Fischer, M.; Shi, Y.; Zhao, B.P.; Snieckus, V.; Wan, P. *Can. J. Chem.* **1999**, *77*, 868-874.
185. Directed *ortho* Metalation and Suzuki-Miyaura Cross Coupling connections. Regiospecific Synthesis of all isomeric chlorodihydroxybiphenyls for microbial Degradation Studies of PCBs. Kendall, C.; Marchhart, R.; Nerdinger, S.; Riebel, P.; Johnson, M.; Eltis, L.; Snieckus, V. Yin, C.F. *J. Chem. Soc. Chem. Commun.* **1999**, 2259-2260.
186. *N*-Cumyl Benzamide Sulfonamide and Aryl *o*-Carbamate Directed Metalation Groups. Mild Hydrolytic Lability for Facile Manipulation of Directed *ortho* Metalation-derived Aromatics. Metallinos, C.; Nerdinger, S.; Snieckus, V. *Org. Lett.*, **1999**, *1*, 1183-1186.
187. Two Expedient Syntheses of  $\beta$ -Lapachone. Alves, G. B.; Lopez, R. S. C.; Lopez, C. C.; Snieckus, V. *Synthesis*, **1999**, 1875-1877.
188. Synthesis of 2-Iodo- and 2-Phenyl-[<sup>11</sup>C]melatonin: Potential PET Tracers for Melatonin Binding Sites. Chen, J.J.; Fiehn-Schulze, B.; Brough, P.; Snieckus, V. and Firnaue, G. *Appl. Radiat. Isotopes.*, **1999**, *49*, 1573-1579.
189. Agonistic Action of 2-Phenylmelatonin on Adenylyl Cyclase Activity in the Rat Hypothalamus. Niles, L.; Wang, J.; Brough, P.; Snieckus, V.; Firnaue, G. *Pharmacol. Rev. Commun.*, **1999**, 305-310.

**2000**

190. C<sub>2</sub>-Symmetric Planar Chiral Ferrocene Diamides by (-) Sparteine-Mediated Directed *ortho*-Lithiation. Synthesis and Catalytic Activity. Laufer, R.; Veith, U.; Taylor, N.; Snieckus, V. *Org. Lett.*, **2000**, *2*, 629-631.
191. Selective Generation of Mono- and 1,1'-Dilithioferrocenes by Lithium - Tellurium Exchange. Efficient Routes to Mono- and Symmetrical and Unsymmetrical 1,1'-Di-substituted Ferrocenes Chieffi, A.; Comasseto, J.V.; Snieckus, V. *Synlett*, **2000**, 269-271.
192. Combined Directed *ortho* Metalation – Grubbs Metathesis Strategies. Synthesis of Benzazepine, Benzazocine, and Benzannulated 7-, 8-, 9-, and 15-membered Ring Sulfonamide Heterocycles Lane, C.; Snieckus, V. *Synlett*, **2000**, 1294-1296.

193. The Directed *ortho* Metalation – Palladium Catalyzed Cross coupling Connection. Regiospecific Routes to 9-phenanthrols and phenanthrenes. Exploratory further metalation. Fu, J.-m.; Snieckus, V. *Can. J. Chem.* **2000**, *78*, 905-919.
194. The First Lateral Functionalization of Calix[4]arenes by a Homologous Anionic Ortho-Fries Rearrangement. Middel, A.; Greff, Z.; Taylor, N.J.; Verboom, W.; Reinhoudt, D.N.; Snieckus, V. *J. Org. Chem.*, **2000**, *65*, 667-675.
195. Analog Binding to Melatonin Receptors in Chick Brain: Effects of GTJP and Prazosin. Neu, J.; Niles, L.; Brough, P.; Chen, J.; Snieckus, V.; Firnau, G. *Med. Chem. Res.* **2000**, *17*, 114.
196. Enzyme Catalysis and Regulation – Identification of a Serine Hydrolase as a Key Determinant in the Microbial Degradation of Polychlorinated Biphenyls. Seah, S.; Labbe, G.; Nerdinger, S.; Johnson, M.; Snieckus, V.; Eltis, L. *J. Biol. Chem.* **2000**, *275*, 15701-15708.

### 2001

197. Directed *ortho* Metalation Reactions of Aryl O-Carbamates. A Regiospecific Synthesis of 2,2-Disubstituted 2*H*-1-Benzopyrans Chauder, B.A.; Kalinin, A.V.; Snieckus, V. *Synthesis*, **2001**, 140-144.
198. Condensation of Laterally Lithiated *o*-Methyl- and *o*-Ethyl-benzamides with Imines Mediated by (-)-Sparteine. Enantioselective Synthesis of Tetrahydroisoquinolin-1-ones. Derdau, V., Snieckus, V. *J. Org. Chem.*, **2001**, *66*, 1992-1998.
199. Cyclophanes XY, Stereoselective Lateral Functionalization of Monosubstituted [2.2] Paracyclophanes by Directed *ortho* Metalation – Homologous Anionic Fries Arrangement. Focken, T., Hopf, H., Snieckus, V., Dix, I., Jones, P.G. *Eur. J. Org. Chem.* **2001**, 2221-2228.
200. Selective *ortho*- and Benzylic Functionalization of Secondary and Tertiary *p*-Tolylsulfonamides. *Ips*o-Bromo Desilylation and Suzuki Cross Coupling Reactions. MacNeil, S.; Familoni, O.B., Snieckus, V. *J. Org. Chem.* **2001**, *66*, 3662-3670.

### 2002

201. Rapid Route to 3,4 Difunctionalized Indoles via a Metalation – Retro-Mannich Strategy. Chauder, B.; Larkin, A.; Snieckus, V. *Org. Lett.* **2002**, *4*, 815-817.
202. The directed *ortho* metalation - cross coupling symbiosis. Regioselective methodologies for biaryls and heterobiaryls. Deployment in aromatic and heteroaromatic natural product synthesis. Anctil, E.; Snieckus, V. *J. Organomet. Chem.*, **2002**, *653*, 150-160.
203. (-)-Sparteine-mediated metalation of ferrocenesulfonates. The first case of double asymmetric induction of ferrocene planar chirality. Metallinos, C., Snieckus, V. *Org. Lett.*, **2002**, *4*, 1935-1938.
204. Identification and analysis of a bottleneck in PCB biodegradation. Dai, S.; Vaillancourt, F.H.; Maaroufi, H.; Drouin, N.M.; Neau, D.B.; Snieckus, V.; Bolin, J.T.; Eltis, L.D. *Nature Struct. Biol.* **2002**, *9*, 1-6.

### 2003



205. Synthesis of Constrained Raloxifene Analogues by Complementary Use of Friedel – Crafts and Directed Remote Metalation Reactions. *J. Org. Chem.* **2003**, *68*, 5992-5999.
206. (-)-Sparteine-Mediated Directed *ortho* Metalation of N-Cumyl-N-ethylferrocenecarboxamide. Versatile Routes to Functionalized Planar Chiral Ferrocenecarboxamides, Amines, Esters and Phosphines. Metallinos, C.; Szillat, H.; Taylor, N.; Snieckus, V. *Adv. Synth. Catal.* **2003**, *345*, 370-382.
207. *seco*-C/D Ring Analogues of Ergot Alkaloids. Synthesis via Intramolecular Heck and Ring-Closing Metathesis Reactions. Kalinin, A.V.; Chauder, B.A.; Rakhit, S.; Snieckus, V. *Org. Lett.* **2003**, *5*, 3519-3521.
208. Directed *ortho* Metalation Approach to C-7-Substituted Indoles. Suzuki-Miyaura Cross Coupling and the Synthesis of Pyrrolophenanthridone Alkaloids. Hartung, C.G.; Fecher, A.; Chapell, B.; Snieckus, V. *Org. Lett.* **2003**, *5*, 1899-1902.
209. Di(isopropylprenyl)borane: A New Hydroboration Reagent for the Synthesis of Alkyl and Alkenyl Boronic Acids. Kalinin, A., Scherer, S. and Snieckus, V. *Angew. Chem. Intl. Ed.*, **2003**, *42*, 3399-3404.

#### 2004

210. The Tertiary Sulfonamide as a Latent Directed Metalation Group. Ni(0)-Catalyzed Reductive Cleavage and Cross Coupling Reactions of Aryl Sulfonamides with Grignard Reagents. Milburn, R.R.; Snieckus, V. *Angew. Chem. Intl. Ed.* **2004**, *42*, 888-891.
211. The *ortho*-Anisylsulfonyl(Ans) as a New Protective Group for Secondary Amines. Mild Ni(0)-catalyzed Hydrodesulfonylation. Milburn, R.R.; Snieckus, V. *Angew. Chem. Intl. Ed.* **2004**, *42*, 892-894.
212. Directed Metalation Route to Ferroelectric Liquid Crystals with a Chiral Fluorenol Core: The Effect of Restricted Rotation on Polar Order. McCubbin, J.A.; Tong, X.; Wang, R.; Zhao, Y.; Snieckus, V.; Lemieux, R.P. *J. Am. Chem. Soc.*, **2004**, *126*, 1161-1167.
213. Beyond Thermodynamic Acidity: A Perspective on the Complex Induced Proximity Effect (CIPE) in Deprotonation Reactions. Whisler, M.C.; MacNeil, S.; Snieckus, V.; Beak, P. *Angew. Chem. Intl. Ed.* **2004**, *43*, 2206-2225.
214. Regiospecific Synthesis of Alkylphenanthrenes Using a Combined Directed *ortho* and remote Metalation – Suzuki-Miyaura Cross Coupling Strategy. Cai, X.; Brown, S.; Hodson, P.; Snieckus, V. *Can. J. Chem.* **2004**, *82*, 195-205.
215. Combined Directed *Ortho* and Remote Metalation-Cross-Coupling Strategies. General Method for Benzo[a]carbazoles. Cai, X.; Snieckus, V. *Org. Lett.* **2004**, *6*, 2293-2295.
216. Anionic O  $\rightarrow$   $\alpha$ - and  $\beta$ -Vinyl Carbamoyl Translocation of 2-(O-Carbamoyl) Stilbenes. Chang, M.T.; Reed, M.A.; Snieckus, V. *Org. Lett.* **2004**, *6*, 2297-2300.
217. Directed *ortho* Metalation – Cross Coupling Strategies. Synthesis of the Tetracyclic A/B/C/D Ring Core of the Antitumor Alkaloid Camptothecin. Ngyuen, T.; Wicki, M.A.; Snieckus, V. *J. Org. Chem.* **2004**, *69*, 7816-7821.

## 2005

218. First Directed *ortho* Metalation Reaction of Aryl O-Carbamates Trityl-linked to Polystyrene-Divinylbenzene (PS-DVB) Resin. Milburn, C.; Milburn, R.R.; Snieckus, V. *Org. Lett.* **2005**, *7*, 629-631.
219. Ferroelectric Liquid Crystals with Fluoro- and Azafluorenone Cores: The Effect of Stereo-Polar Coupling. McCubbin, A., Snieckus, V., Lemieux, R. *Liquid Crystals*, **2005**, *32*, 1195.
220. Directed Metalation-Cross Coupling Route to Ferroelectric Liquid Crystals with a Chiral Fluorene Core: The Effect of Intermolecular Hydrogen Bonding on Polar Order. McCubbin, A., Tong, X., Wang, R., Snieckus, V., Lemieux, R. *Chem. Materials*, **2005**, *17*, 2574-2581.
221. Directed *ortho* Metalation Methodology. The N,N-Dialkyl Aryl O-sulfamate as a New Directed Metalation Group and Cross Coupling Partner for Grignard Reagents. Macklin, T.; Snieckus, V. *Org. Lett.* **2005**, *7*, 2519-2522.
222. The Directed *ortho* Metalation - based Methodology. Halo-, Nitroso-, and Boro-induced ipso Desilylation. Link to an in situ Suzuki Reaction. Zhao, Z., Snieckus, V. *Org. Lett.* **2005**, *7*, 2523-2526.
223. Synthesis of Substituted Hydroxybiaryls via Directed *ortho*-Lithiation of O-Aryl N-Silylated, N-Isopropylcarbamates. Kauch, M.; Snieckus, V.; Hoppe, D. *J. Org. Chem.*, **2005**, *70*, 7149-7158.

## 2006

224. Anionic N-Fries Rearrangement of N-Carbamoyl Diarylamines to Anthranilamides. Methodology and Application to Acridone and Pyranoacridone Alkaloids. MacNeil, S.; Wilson, B.; Snieckus, V. *Org. Lett.*, **2006**, *8*, 1133-1136.
225. Asymmetric Total Synthesis of (-)-Panacene and Correction of Its Relative Configuration. Boukouvalas, J.; Pouliot, M.; Robichaud, J.; MacNeil, S.; Snieckus, V. *Org. Lett.*, **2006**, *8*, 3597-3599.
226. (-)-Sparteine-mediated stereoselective directed *ortho* metalation of ferrocene diamides. Laufer, R.; Veith, U.; Taylor, N.J.; Snieckus, V. *Can. J. Chem.*, **2006**, *84*, 356-369.
227. A Mixed Naphthyl-Phenyl Phosphine Ligand Motif for Suzuki, Heck, and Hydrodehalogenation Reaction, Demchuk, O.; Yoruk, B.; Blackburn, T.; Snieckus, V. *Synlett*, **2006**, *18*, 2908-2913.
228. Deprotonation of  $\beta,\beta$ -Disubstituted  $\alpha,\beta$ -Unsaturated Amides. Mechanism and Stereochemical Consequences, Green, J.R.; Majewski, M.; Snieckus, V. *Can. J. Chem.*, **2006**, *84*, 1397-1410.

## 2007

229. Combined Directed *ortho* Metalation - Suzuki-Miyaura Cross-Coupling Strategies. Regiospecific Synthesis of Chlorodihydroxybiphenyls and Polychlorinated Biphenyls, Nerdinger, S.; Kendall, C.; Cai, X.; Marchart, R.; Riebel, P.; Johnson, M.R.; Yin, C.-F.; Haenaff, N.; Eltis, L.D.; Snieckus, V. *J. Org. Chem.*, **2007**, *72*, 5960-5967.

230. Directed *ortho* Metalation – Boronation and Suzuki-Miyaura Cross Coupling of Pyridine Derivatives. A One-pot Protocol to Substituted Azabiaryls. Alessi, M.; Larkin, A.L.; Lai, S.; Ogilvie, K.A.; Green, L.A.; Lopes, S.; Snieckus, V. *J. Org. Chem.*, **2007**, *72*, 1588-1594.
231. 3,3'-Dipyridyl BINOL ligands. Synthesis and application in enantioselective addition of Et<sub>2</sub>Zn to aldehydes. Milburn, R.; Hussain, S.; Prien, O.; Zaheer, A.; Snieckus, V. *Org. Lett.*, **2007**, *9*, 4403-4406.
232. Directed Ortho metalation-cross coupling strategies. N-cumyl arylsulfonamides. Facile deprotection and expedient route to 7- and 4,7-substituted saccharins. Macklin, T.; Ang, P.; Blanchet, J.; Metallinos, C.; Snieckus, V. *J. Org. Chem.*, **2007**, *72*, 3199-3206.

### 2008

233. Sequential Carbanion-mediated Synthetic Aromatic Chemistry. Carbamoyl Translocations via Anionic *ortho*-Fries and Cumulenolate  $\alpha$ -Acylation Paths. Regioselective Synthesis of Polysubstituted Chromone 3- and 8-Carboxamides. Macklin, T.; Panteleev, J.; Snieckus, V. *Angew. Chem. Int. Ed.*, **2008**, *47*, 2097-2101.
234. Combined Metalation – Cross Coupling Strategies. A remote Anionic Fries Rearrangement. A Synthesis of Schumanniofytine. Macklin, T.; Reed, M.; Snieckus, V. *Eur. J. Org. Chem.*, **2008**, 1507-1509.
235. Anionic Indole *N*-Carbamoyl N  $\rightarrow$  C Translocation. A Directed remote Metalation Route to 2-Aryl and 2-Heteroaryl Indoles. Synthesis of Benz[*a*]carbazoles and Indolo[1,2-*b*]indanones, Zhao, Z.; Jaworski, A.; Piel, I.; Snieckus, V. *Org. Lett.*, **2008**, *10*, 2617-2620.
236. Palladium Catalyzed Direct Heck Arylation of Dual  $\pi$ -Deficient/ $\pi$ -Excessive Heteroaromatics. Synthesis of C-5 Arylated Imidazo[1,5- $\alpha$ ]pyrazines. Snieckus, V.; McCubbin, A.; Wang, J.; Jin, M.; Laufer, R.; Crew, A.; Mulvihill, M. *Org. Lett.*, **2008**, *10*, 2923-2926.
237. Carbanionic Friedel–Crafts Equivalents. Regioselective Directed *Ortho* and Remote Metalation–C–N Cross Coupling Routes to Acridones and Dibenzo[*b,f*]azepinones, MacNeil, S.; Gray, M.; Gusev, D.; Briggs, L.; Snieckus, V. *J. Org. Chem.*, **2008**, *73*, 9710-9719.

### 2009

238. Characterization of a Cholesterol-Degrading Dioxygenase Critical for the Pathogenicity of *Mycobacterium Tuberculosis*. Yam, K.; D'Angelo, I.; Kalscheuer, R.; Zhu, H.; Wang, J.; Snieckus, V.; Jacobs, J. Jr.; Strynadka, N.; Eltis, L.D. **2009**, PLoS Pathog. *5*, e1000344.
239. Combined Directed Remote Metalation - Transition Metal Catalyzed Cross Coupling Strategies. The Total Synthesis of the Aglycones of the Gilvocarcins V, M, and E and Arnottin I. James, C.; Snieckus, V. *J. Org. Chem.*, **2009**, *74*, 4080-4093.
240. Combined Directed *ortho* and remote Metalation – Suzuki Cross Coupling Strategies. Efficient Synthesis of Heteroaryl-fused Benzopyranones from Biaryl O-Carbamates. James, C.; Coelho, A.; Gevaert, M.; Forgione, P.; Snieckus, V. *J. Org. Chem.*, **2009**, *74*, 4094-4103.

241.  $\gamma$ -Silylated  $\alpha,\beta$ -Unsaturated Amides. Preparation by [1,5]-Sigmatropic Rearrangement and Use as Masked Dienolate Equivalents in Carbonyl Condensations. Green, J.; Majewski, M.; Alo, B.; Snieckus, V. *Can. J. Chem.*, **2009**, *87*, 745-759.
242. The *N,N*-Diethyl *O*-Carbamate: Directed Metalation Group and Orthogonal Suzuki-Miyaura Cross Coupling Partner. Blackburn, T.; Antoft-Finch, A.; Snieckus, V. *J. Am. Chem. Soc.*, **2009**, *131*, 17750-17752.
243. Synthesis of Substituted Imidazo[1,5-*a*]pyrazines *via* Mono-, Di-, and Directed Remote-Metalation Strategies. Board, J.; Wang, J.; Crew, A.P.; Jin, M.; Foreman, K.; Snieckus, V. *Org. Lett.*, **2009**, *11*, 5118-5121.

## 2010

244. On the Mechanism of the Directed remote Metalation of *N,N*-Dialkylbiphenyl-2-carboxamides. Tilly, D.; Fu, J.-m.; Zhao, B.-Z.; Alessi, M.; Castanet, A.; Snieckus, V.; Mortier, J. *Org. Lett.*, **2010**, *12*, 68-71.
245. A Directed *ortho* Metalation (DoM) – Halogen Dance Strategy for the Construction of Polysubstituted Aromatics and Pyridines. The Halogen Dance – Anionic *ortho* Fries Rearrangement. Miller, R.E.; Rantanen, T.; Ogilvie, K.A.; Groth, U.; Snieckus, V. *Org. Lett.*, **2010**, *12*, 2198-2201.
246. C-H Activation versus Directed *ortho* Metalation (DoM): Complementary Borylation of Aromatics and Heteroaromatics. Hurst, T.E.; Macklin, T.; Hartmann, E.; Kügel, W.; Parisienne-La Salle, J.; Becker, M.; Marder, T.; and Snieckus, V. *Chem. Eur. J.*, **2010**, 8155-8161.
247. Enantioselective Synthesis of Unsymmetrical Ferrocenylamides with Planar Chirality by (-)-Sparteine Mediated Directed *ortho*-Lithiation. Zhou, Z.; Yuan, H.; Snieckus, V. *Chinese J. Org. Chem.*, **2010**, *11*, 1754-1758.

## 2011

248. Directed *ortho*-Metalation-Cross-Coupling Strategies. One-Pot Suzuki Reaction to Biaryl and Heterobiaryl Sulfonamides. Schneider, C.; Broda, E.; Snieckus, V. *Org. Lett.*, **2011**, *13*, 3588-3591.
249. Directed aromatic functionalization. Snieckus, V., *Beilstein J. Org. Chem.* **2011**, *7*, 1215-1218.
250. Suzuki-Miyaura Cross-Coupling of Aryl Carbamates and Sulfamates: Experimental and Computational Studies. Quasdorf, K.W.; Antoft-Finch, A.; Liu, P.; Silberstein, A.L.; (Komaromi, A.; Blackburn, T.; Ramgren, S.D.; Houk, K. N.; Snieckus, V.; Garg, N.K. *J. Am. Chem. Soc.*, **2011**, *133*, 6352-6363.
251. Concerning the Structures of Alkali-Metal-Mediated *ortho* Zincation of Benzamides and Phenyl *O*-Carbamate. Rantanen, T.; Balloch, L.; Kennedy, A.; Mulvey, E.; Robertson, S.; Snieckus, V., *Organometallics*, **2011**, *30*, 145-152.

## 2012

252. A Brief History of Palladium-Catalyzed Cross-Coupling in the Context of the 2010 Nobel Prize in Chemistry: A Breakthrough Technology in Organic/Organometallic Chemistry, Johansson Seechurn, C.C.C.; Kitching, M.O.; Colacot, T.J.; Snieckus, V. *Angew. Chem. Int. Ed.* **2012**, *51*, 5062-5085.
253. Toxicity of Hydroxylated Alkyl-Phenanthrenes to the Early Life Stages of Japanese Medaka (*Oryzias latipes*). Fallahtafti, S.; Rantanen, T.; Brown, R.S.; Snieckus, V.; Hodson, P.V. *Aquatic Toxicology*, **2012**, *106-107*, 56-64.
254. Copper-Catalyzed Cross-Coupling Interrupted by an Opportunistic Smiles Rearrangement: An Efficient Domino Approach to Dibenzoxazepinones. Kitching, M.O.; Hurst, T.E.; Snieckus, V.; *Angew. Chem. Int. Ed.*, **2012**, *51*, 2925-2929.
255. In Situ Anionic Shielding for Regioselective Metalation: Directed *peri* and Iterative Metalation Routes to Polyfunctionalized 7-Azaindoles. Schneider, C.; David, E.; Toutov, A.; Snieckus, V. *Angew. Chem. Int. Ed.*, **2012**, *51*, 2722-2726.
256. *Endo* functionalization of Tröger's Base via Reactions of its Twisted Amide Analogues. Artacho, J.; Ascic, E.; Rantanen, T.; Wallentin, C.; Harmata, M.; Snieckus, V.; Wärnmark, K. *Org. Lett.*, **2012**, *14*, 4706-4709.
257. Dizincation of a 2-Substituted Thiophene: Constructing a Cage with a [16]Crown-4 Zincocyclic Core. Balloch, L.; Garden, J.; Kennedy, A.R.; Mulvey, R.E.; Rantanen, T.; Robertson, S.D.; Snieckus, V. *Angew. Chem. Int. Ed.* **2012**, *51*, 6934-6937.
258. Directed Metalation-Cross-Coupling Strategies. Total Syntheses of the Alleged and the Revised Phenanthrene Natural Product Gymnopusin. Fu, J.; Wang, X.; Snieckus, V. *Helv. Chim. Acta*, **2012**, *95*, 2680-2694.
259. Combined Directed Metalation – Suzuki-Miyaura Cross Coupling Strategies. Synthesis of Isomeric Chromenopyridinones and Related Annulated Analogues. Miller, R.E.; Summer, R.; Fan, H.; Snieckus, V.; Groth, U. *Heterocycles*, **2012**, *86*, 1045-1054.

### 2013

260. A Practical *in situ* Generation of the Schwartz Reagent. Reduction of Tertiary Amides to Aldehydes and Hydrozirconation. Link to Directed *ortho* Metalation. Zhao, Y.; Morin, J.; Snieckus, V. *Org. Lett.* **2013**, accepted.
261. A Practical *in situ* Generation of the Schwartz Reagent. Reduction of Tertiary Amides to Aldehydes and Hydrozirconation. Zhao, Y.; Snieckus, V. **2013**, submitted.
262. The Directed *ortho* Metalation–Cross Coupling Fusion. Development and Application in Synthesis. Board, J.; Cosman, J.; Singh, S.; Rantanen, T.; Snieckus, V. *Platinum Metals Review*, **2013**, in press.

### EDITOR OF BOOKS and SPECIAL ISSUES

1. Snieckus, V., Ed., *Advances in Carbanion Chemistry*; JAI Press Inc.: Greenwich, CT; **1992**, Vol.

- 1.
2. Snieckus, V., Ed., *Advances in Carbanion Chemistry*; JAI Press Inc.: Greenwich, CT; **1997**, Vol. 2.
3. Chatgililoglu, C.; Snieckus, V., Eds., *Chemical Synthesis: Gnosis to Prognosis*; (Proceedings of a NATO Advanced Studies Institute; Kluwer Academic Publishers, Dordrecht, The Netherlands, **1996**).
4. Snieckus, V., Majewski, M. Eds., *Science of Synthesis, Vol. 8a-b*. Thieme Verlag. **2005**, 1616 pp.
5. Snieckus, V. Ed. *Beilstein J. Org. Chem.* Special Issue on Aromatic Chemistry, **2012**, 1215-1218 (Editorial)

## PATENTS

1. *Ellagic Acid Analogues*  
Josephy, P.D.; Snieckus, V.  
Filing Date: 1988/03/08  
Approved: 1992/04/14  
U.S. Patent: 5104894
2. *Method of preparing Enantiomerically-Enriched Tetrahydrobenzothiepine Oxides*  
Reitz, D.; Huang, H.; Li, J.; Snieckus, V.  
Filing Date: 1997/12/19  
WO-09932478, published on July 1, 1999.  
U.S. Patent: 6,369,220 B1
3. *Herstellung von Bisallylboranen und nicht-aromatischen Boronsäuren*  
Kalinin, A.; Snieckus, V.  
Filing Date: 2001/09/07  
Approved: 2002/08/24  
European Patent: 02018873.6
4. *Verfahren zur Herstellung von Aminophenylboronsäuren und ihren Derivaten* [Process for producing aminophenyl boronic acids and their derivatives]  
Kalinin, A.; Snieckus, V.; Scherer, S.; Meudt, A.; Lehnemann, B.  
Filing Date: 2003  
Approved:  
European Patent:
5. *Verfahren zur Herstellung von Pyridin-2-boronsäureestern* [Process for production of pyridine-2-boronicesters]  
Kalinin, A.; Snieckus, V.; Scherer, S.; Meudt, A.; Lehnemann, B.  
Filing Date: 2003/05/03  
Approved: 2004/06/05  
European Patent: 04010777.3
6. *Method for producing alkyl-substituted aromatic and heteroaromatic compounds by cross-coupling alkyl boronic acids with aryl- or heteroaryl-halogenides or sulfonates under PD*

*catalysis in the presence of a ligand*

Vogel, T.; Snieckus, V.; Nerdinger, S.; Jung, G.; Meudt, A.; Lehnemann, B.

Filing Date: 2007/09/19

Approved: Pending

US Patent Application 2005DE303 t

7. *Schwartz Reagents: Methods of in situ Generation and Use*  
Zhao, Y.; Snieckus, V.  
Filing Date: 2008/12/04  
Approved: June 10, 2010  
US Patent No: US 2010/0145060 A1
8. *16-member ring metal chelate*  
Wong, K., Huang, C., Kwok, C., Snieckus, V.  
Date: 07/07/2009  
Filing date: 09/24/2004  
Application Number: 10/948458  
US patent 7,557,205, 2009
9. *Spirocyclic Compounds and their use as therapeutic agents and diagnostic probes*  
Snieckus, V.  
Date: 22/09/2011  
Filing Date: 11/03/2011  
Application Number: PCT/IB2011/051047
10. *Triazine, Pyrimidine and Pyridine Analogs and their use as therapeutic agents and diagnostic probes*  
Snieckus, V.  
Date: 14/05/2010  
Filing Date: 10/11/2009  
Application Number: PCT/IB2009/007404
11. *Compounds and Methods for Catalytic Directed ortho Substitution of Aromatic Amides and Esters.*  
Snieckus, V., Zhao, Y.  
Filing Date: 24/105/2012  
Application Number: 2010-071-03US

**REVIEWS**

1. V. Snieckus. The Distribution of Indole Alkaloids in Plants. In Manske, R.H.F., Ed., *The Alkaloids* **1968**, *11*, 1-40 Academic Press, Inc., N.Y.
2. V. Snieckus. Pyrrolidine, Piperidine, and Pyridine Alkaloids. *Alkaloids* (London), **1971**, *1*, 48-54.
3. V. Snieckus. Quinoline, Quinazoline, Acridone, and Related Alkaloids. *Alkaloids* (London), **1971**, *1*, 96-102.
4. V. Snieckus.  $\beta$ -Phenethylamines and Simple Isoquinoline Alkaloids. *Alkaloids* (London), **1971**, *1*, 103-105.

5. V. Snieckus. *Amaryllidaceae* and Related Alkaloids. *Alkaloids* (London), **1971**, *1*, 138-144.
6. V. Snieckus. *Erythrina* and Related Alkaloids. *Alkaloids* (London), **1971**, *1*, 145-149.
7. V. Snieckus. *Lycopodium* Alkaloids. *Alkaloids* (London), **1971**, *1*, 339-342.
8. V. Snieckus. Miscellaneous Alkaloids. *Alkaloids* (London), **1971**, *1*, 455-462.
9. V. Snieckus. Pyrrolidine, Piperidine, and Pyridine Alkaloids. *Alkaloids* (London), **1972**, *2*, 33-53.
10. V. Snieckus. Quinoline, Quinazoline, Acridone, and Related Alkaloids. *Alkaloids* (London), **1972**, *2*, 86-96.
11. H.O. Bernhard and V. Snieckus.  $\beta$ -Phenethylamines and the Isoquinoline Alkaloids. *Alkaloids* (London), **1972**, *2*, 97-184.
12. V. Snieckus. *Amaryllidaceae* and Related Alkaloids. *Alkaloids* (London), **1972**, *2*, 185-198.
13. V. Snieckus. *Erythrina* and Related Alkaloids. *Alkaloids* (London), **1972**, *2*, 199-208.
14. V. Snieckus. *Lycopodium* Alkaloids. *Alkaloids* (London), **1972**, *2*, 242-246.
15. V. Snieckus. Miscellaneous Alkaloids. *Alkaloids* (London), **1972**, *2*, 271-285.
16. V. Snieckus. Pyrrolidine, Piperidine, and Pyridine Alkaloids. *Alkaloids* (London), **1973**, *3*, 43-66.
17. V. Snieckus. Quinoline, Quinazoline, Acridone, and Related Alkaloids. *Alkaloids* (London), **1973**, *3*, 104-115.
18. V. Snieckus. *Amaryllidaceae* and Related Alkaloids. *Alkaloids* (London), **1973**, *3*, 169-179.
19. V. Snieckus. *Erythrina* and Related Alkaloids. *Alkaloids* (London), **1973**, *3*, 180-186.
20. V. Snieckus. *Lycopodium* Alkaloids. *Alkaloids* (London), **1973**, *3*, 227-231.
21. V. Snieckus. Miscellaneous Alkaloids. *Alkaloids* (London), **1973**, *3*, 299-324.
22. V. Snieckus. The *Securinega* Alkaloids. In R.H.F. Manske, Ed., *The Alkaloids* Academic Press, N.Y., **1973**, *14*, 425-506.
23. V. Snieckus. Pyrrolidine, Piperidine, and Pyridine Alkaloids. *Alkaloids* (London), **1974**, *4*, 50-77.
24. V. Snieckus. Quinoline, Quinazoline, Acridone and Related Alkaloids. *Alkaloids* (London), **1974**, *4*, 117-127.
25. V. Snieckus.  $\beta$ -Phenethylamines and the Isoquinoline Alkaloids. *Alkaloids* (London), **1974**, *4*, 128-196.
26. V. Snieckus. *Amaryllidaceae* and Related Alkaloids. *Alkaloids* (London), **1974**, *4*, 266-272.
27. V. Snieckus. *Erythrina* and Related Alkaloids. *Alkaloids* (London), **1974**, *4*, 273-279.



28. V. Snieckus. *Lycopodium* Alkaloids. *Alkaloids* (London), **1974**, 4, 322.
29. V. Snieckus. Miscellaneous Alkaloids. *Alkaloids* (London), **1974**, 4, 395-427.
30. V. Snieckus. Pyrrolidine, Piperidine, and Pyridine Alkaloids. *Alkaloids* (London), **1975**, 5, 56-68.
31. V. Snieckus, Quinoline, Quinazoline, Acridone and Related Alkaloids. *Alkaloids* (London), **1975**, 5, 103-110.
32. H.O. Bernhard and V. Snieckus.  $\beta$ -Phenethylamines and the Isoquinoline Alkaloids. *Alkaloids* (London), **1975**, 5, 111-169.
33. V. Snieckus. *Amaryllidaceae* Alkaloids. *Alkaloids* (London), **1975**, 5, 170-175.
34. V. Snieckus. *Erythrina* and Related Alkaloids. *Alkaloids* (London), **1975**, 5, 176-182.
35. V. Snieckus. *Lycopodium* Alkaloids. *Alkaloids* (London), **1975**, 5, 228-229.
36. V. Snieckus. Miscellaneous Alkaloids. *Alkaloids* (London), **1975**, 5, 265-290.
37. V. Snieckus and D.J. Harris. Seven-Membered and Higher Heterocyclic Systems, In O. Buchardt, Ed. *Photochemistry of Heterocyclic Compounds*, Wiley-Interscience, New York, **1976**, pp. 288-366.
38. V. Snieckus. Mono- and Sesqui-terpenoid Alkaloids, In K. Wiesner, Ed.; *Alkaloids (MTP Internat. Rev. of Science)*, Organic Chemistry, Series Two, Vol. 9 Butterworths, London, **1976**, pp. 191-263.
39. V. Snieckus. *Amaryllidaceae* Alkaloids. *Alkaloids* (London), **1977**, 7, 167-175.
40. V. Snieckus. *Erythrina* Alkaloids. *Alkaloids* (London), **1977**, 7, 176-182.
41. J.N. Reed and V. Snieckus. Miscellaneous Alkaloids. *Alkaloids* (London), **1977**, 7, 297-316.
42. J.N. Reed and V. Snieckus. *Amaryllidaceae* and Related Alkaloids. *Alkaloids* (London), **1978**, 8, 137-143.
43. S.O. de Silva and V. Snieckus. *Erythrina* and Related Alkaloids. *Alkaloids* (London), **1978**, 8, xx-xx.
44. V. Snieckus. Heterocycles in Alkaloid Synthesis, In Scott, A.F. Ed., *Survey in Progress of Chemistry*, Academic Press, New York, **1980**, 9, 122-267.
45. G.M. Brown, L.J. Grotta, O. Pulido, T.G. Burns, L.P. Niles and V. Snieckus. *Pineal Research Reviews*, **1983**, 1, 207-246.
46. Doadt, E.G.; Iwao, M.; Reed, J.N.; Snieckus, V. Synthesis of PAHs and AZA-PAHs Using Aromatic Amide Directed Metalation Strategy, In Cooke, M.; Dennis, A.J., Eds., *Polynuclear Aromatic Hydrocarbons, Formation, Metabolism and Measurement*, Battelle Press: Columbus, Ohio, **1983**, 413-425.

47. Mills, R.J.; Snieckus, V. Short, Efficient and Regiospecific Routes to Peri-Methyl Substituted PAHs Using Benzamide Directed Metalation Strategy, *In* Cooke, M.; Dennis, A.J., Eds *Polynuclear Aromatic Hydrocarbons, Mechanisms, Methods and Metabolism*; Battelle Press: Columbus, Ohio, **1985**, 913-924.
48. Mills, R.J.; Snieckus, V. Preparation of Halogenated PAHs Via Benzamide Directed *ortho* Metalation Strategy, *In* Cooke, M.; Dennis, A.J., Eds., *Polynuclear Aromatic Hydrocarbons, Chemistry, Characterization and Carcinogenesis*; Battelle Press: Columbus, Ohio, **1986**, 579-594.
49. Hahn, W.R.; Shankaran, K.; Sibi, M.P., Snieckus, V. Regiospecific Silicon-Mediated Route to 7-Methoxy-1-Indanols as Models for the Synthesis of Fluorene and Nitro-Fluorene PAH, *In* Cooke, M.; Dennis, A.J., Eds., *Polynuclear Aromatic Hydrocarbons, A Decade of Progress*, Battelle Press: Columbus, Ohio, **1988**, 353-362.
50. Fu, J.-m.; Siddiqui, M.A.; Snieckus, V. Regioselective Synthesis of Isomerically Pure Phenanthrene and Phenanthridine PAH, *In* Cooke, M.; Loening, K.; Merritt, J., Eds., *Polynuclear Aromatic Hydrocarbons, Measurements, Means, and Metabolism*; Battelle Press: Columbus, Ohio, **1991**, 291-307.
51. Josephy, P.D.; Snieckus, V. Ellagic Acid and Synthetic Analogues as Inhibitors of Mutagenesis and Carcinogenesis; *In* Steele, V.E.; Boone, C.W.; Stoner, G.D.; Kelloff, G.J., Eds., *Cellular and Molecular Targets for Cancer Chemoprevention*; CRC Press: Boca Raton, FL, **1992**, 147-160.
52. Zhao, B.-p. and Snieckus, V. Combinational Directed *ortho* and Remote Metalation Route to Condensed Fluorenones. A Study of Haller-Bauer Cleavage of Substituted Fluorenones. *In* Garrigues, P. and Lamotte, M., Eds., *Polycyclic Aromatic Hydrocarbons, Synthesis, Properties, Analytical Measurements, Occurrence and Biological Effects*; Gordon and Breach: Philadelphia, PA; **1993**, 183-190.
53. V.Snieckus, Integrated Metalation - Cross Coupling Approaches to Bioactive Natural Products, *In* Krohn, K.; Kirst, H.A.; Maag, H., Eds., *Antibiotics and Antiviral Compounds. Chemical Synthesis and Modification*; VCH Publishers: Germany, **1993**, 31-56.
54. V. Snieckus, Metallation: The Point of Departure for New Synthetic Aromatic Chemistry. Proceedings from the V. Hydrid Symposium (CHEMETALL GMBH), Goslar, Germany, September 29-October 1, **1993**.
55. Chowdhury, S.; Zhao, B.; Snieckus, V. Abbreviated Synthesis of Benzo[c]phenanthrene, Benz[a]anthracene and their Respective 5-Methyl Derivatives via Combined Metalation-Palladium-Catalyzed Cross Coupling Stragegy, *In* Cavalieri, E.; Rogan, E., Eds., *Polycyclic Aromatic Compounds*, Gordon and Breach: New York, **1994**, 5, 27-34.
56. V. Snieckus, Integrated Metalation - Cross-Coupling Tactics in Heterocyclic Synthesis; *In* Stibor, I., Ed., Proceedings of the 11th Symposium on Chemistry of Heterocyclic Compounds, Prague, Czech Republic, August 29-September 4, 1994; **1994**, 57-85.
57. Snieckus, V.; Tskuzaki, M.; Wong, P.L.; Iwema-Bakker, W.; Rogers-Evans, M.; Wicki, M.; Gray, M.; Campbell, M. Lithium Diethylamide; Lithium diisopropylamide (LDA); Lithium Hexamethyldisilazide (LiHMDS); Lithium Piperidide; Lithium Pyrrolidide; Lithium 2,2,6,6-Tetramethylpiperidide, (LiTMP). *In* Paquette, L.A., Ed., *Encyclopedia of Reagents for Organic Synthesis*, Wiley: New York, **1995**, 3089-3091, 3096-3104, 3127-3129, 3160-3161, 3163-3164,

3166-3168.

58. Gray, M., Tinkl, M., Snieckus, V. Organolithium in Organic Synthesis, In McKillop, A. Ed., *Comprehensive Organometallic Chemistry II*, Pergamon Press: Oxford, U.K., **1995**, *11*, 1-92.
59. Snieckus, V. Directed Aromatic Metalation: A Continuing Education in Flatland Chemistry. In Chatgililoglu, C.; Snieckus, V., Eds., *Chemical Synthesis: Gnosis to Prognosis* (Proceedings of a NATO Advanced Studies Institute, Ravello, Italy, May 8-19, 1994). Kluwer: The Netherlands, **1996**, *320*, 191-221.
60. Chapell, B.J., Snieckus, V. Metallocenes In J.J. Lagowski, Ed., *MacMillan Encyclopedia of Chemistry*, Simon & Schuster MacMillan, New York, **1997**, *3*, 921.
61. MacLean, D.B., Snieckus, V. R.H.F. Manske: Fifty Years of Alkaloid Chemistry, *The Alkaloids*, **1998**, *50*, 3-59.
62. The Directed ortho Metalation-transition Metal-catalyzed Reaction Symbiosis in Heteroaromatic Synthesis. Chauder, B., Green, L., Snieckus, V. *Pure Appl. Chem.*, **1999**, *71*, 1521-1529.
63. The Directed ortho Metalation-Cross-Coupling Symbiosis in Heteroaromatic Synthesis. Chauder, B., Green, L., Snieckus, V. *J. Heterocyclic Chem.*, **1999**, *36*, 1453-1468.
64. Chapell, B.J., Snieckus, V. Catalyst In *McGraw-Hill Yearbook of Science and Technology*, McGraw-Hill, New York, **1999**, 67.
65. Snieckus, V. Optimization in Organic Synthesis *Med. Res. Rev.* **1999**, 342-347.
66. Hartung, C.G.; Snieckus, V. *The Directed ortho Metalation Reaction. A Point of Departure for New Synthetic Aromatic Chemistry*. In Astruc, D. Ed. *Modern Arene Chemistry*, Wiley-VCH; New York, **2002**, 330-367.
67. Anctil, E.; Snieckus, V. *The Directed ortho Metalation – Cross Coupling Nexus. Synthetic Methodology for the Aryl-Aryl and Aryl-Heteroatom-Aryl Bonds*. In Diederich, F.; de Meijere, A. Ed. *Metal-Catalyzed Cross-Coupling Reactions*, 2<sup>nd</sup> Ed., **2004**, 761-813.
68. Majewski, M.; Snieckus, V. *Science of Synthesis*, Vols 8a (*The Alkali Metals*), Snieckus, V. Majewski, M. Eds. Georg Thieme Verlag, Stuttgart, **2005**.
69. Majewski, M.; Snieckus, V. *Science of Synthesis*, Vols 8b (*The Alkali Metals*), Snieckus, V. Majewski, M. Eds. Georg Thieme Verlag, Stuttgart, **2005**.
70. Macklin, T.; Snieckus, V. *CH transformation at sp<sup>2</sup>-hybridized carbon atoms*. In Dyker. Ed. *Handbook of C-H Transformations*, Wiley-VCH, New York, **2005**, 106-119.
71. Nolte, B., Snieckus, V. *n*-Butyllithium, In Paquette, L., Ed. *Encyclopedia of Reagents in Organic Synthesis*, Wiley-VCH, New York, **2008**.
72. "Stereoselective Synthesis of Planar Chiral Ferrocenes: In Deng, L.-X.; Hou, L.-X. Eds. *Chiral Ferrocenes in Asymmetric Catalysis: Synthesis and Applications*; Deng, W.-P.; Snieckus, V.; Metallinos, C., Dai, L.-X.; Hou, X.-L. (Eds.), Wiley-VCH Verlag GmbH & Co. KGaA: Weinheim, Germany **2009**, 15-53.

73. Anctil, E.; Snieckus, V. *The Directed ortho Metalation – Cross Coupling Nexus. Synthetic Methodology for the Aryl-Aryl and Aryl-Heteroatom-Aryl Bonds*. In Diederich, F.; de Meijere, A. Ed. *Metal-Catalyzed Cross-Coupling Reactions*, 3<sup>rd</sup> Ed., **2012**, accepted.

#### BOOK REVIEWS, COMMENTARY & NONREFEREED PUBLICATIONS

1. V. Snieckus and V. Boekelheide. (submitted by W.H.E. Sasse). 2,2-Bypyridine. *Org. Syn.*, **1966**, 46, 5-10.
2. V. Snieckus. Book Review: *Research Techniques in Organic Chemistry*, R.B. Bates and J.P. Schaefer, Prentice-Hall, Inc., Englewood Cliffs, N.J., 1971 in *J. Am. Chem. Soc.*, **1971**, 93, 6345.
3. V. Snieckus and G.R. Brassard. A Neglected Field: Chemical Studies of Arctic Plants, *Science Forum*, **1972**, 5, 25.
4. V. Snieckus. Ed., *Drugs and Society: Symposium*, University of Waterloo, October 27, 1972, 39 pp. Review: *J. Am. Chem. Soc.*, **1973**, 95, 4772.
5. V. Snieckus, Chemistry in Canadian Society. *Chemistry in Canada*, September, **1974**, p. 26.
6. V. Snieckus. Book Review: *Impact: Science on Society*, R.L. Wolke, Ed., W.B. Saunders Co., Canada Ltd., Toronto, 1975, in *Can. Chem. Educ.*, **1975**, 11, 18.
7. V. Snieckus. Book Review: *The Botany and Chemistry of Hallucinogens*, R.E. Schultes and A. Hofmann, Charles C. Thomas Publishers, Springfield, Ill, 1973, in *J. Am. Chem. Soc.*, **1975**, 97, 7492.
8. V. Snieckus. Book Review: *The Botany and Chemistry of Hallucinogens*, R.E. Schultes and A. Hofmann, Charles C. Thomas., Publ., Springfield, Ill., 1973, in *Economic Botany*, **1975**, 29, 2.
9. V. Snieckus. Book Review: *Chemistry Today*, W.F. Kieffer, Canfield/Harper and Row, 1976, in *AAS Science Books and Films*, **1977**, 13, 16.
10. V. Snieckus. Book Review: *Recent Developments in the Chemistry of Carbon Compounds, Vol. 6*, R. Bogner, V. Bruckner, and Cs. Szantay, Eds., Akademiai Kiado (Publishing House of the Hungarian Academy of Sciences), Budapest, 1975, in *J. Am. Chem. Soc.*, **1976**, 98, 7888.
11. V. Snieckus. Book Review: *The Scientific Study of Marijuana*, E.L. Abel, Ed., Nelson-Hall Publ., Chicago, 1976, in *J. Am. Chem. Soc.*, **1978**, 100, 1018.
12. V. Snieckus. Book Review: *Introduction to Organic Chemistry*, 2<sup>nd</sup> ed., W.H. Brown, Willard Grant, Boston, 1978, in *AAS Science Books and Films*, **1979**, 15, 19.
13. V. Snieckus. Book Review: *I Cook as I Please*, M.H. Kreish (R.H. Manske), Exposition Press, Hicksville, N.Y., 1978, in *J. Chem. Educ.*, **1979**, 56, A182.
14. V. Snieckus, *Computer-Assisted Instruction in Organic Synthesis* In G.C. Andrews and C.K. Knapper, Eds. *Computerized Multi-media Instructional Television (COMIT)*, University of Waterloo, April 6, 1978, cited in *Resources in Education*, July 17, **1979**.

15. V. Snieckus. Book Review: *New Synthetic Methods. Volume 6*, E. Abel, Verlag Chemie, Weinheim. 1979 in *J. Am. Chem. Soc.*, **1980**, *102*, 4554.
16. V. Snieckus. Book Review: *Complex Hydrides*, A. Jajos, Elsevier, Amsterdam and New York, 1979 in *J. Am. Chem. Soc.*, **1980**, *102*, 6907.
17. V. Snieckus. Book Review: *The Parliament of Science*, R. MacLeod, and P. Collins, Eds., in *AAS Science Books and Films*, **1982**, *18*, 10.
18. V. Snieckus. Book Review: *Pills, Pesticides and Profits: The International Trade in Toxic Substances*. Norris, R., Croton-on-Hudson, N.Y.: North River Press, 1982 in *Science Books & Films*, **1983**, *19*, 68.
19. V. Snieckus. Book Review: *Polynuclear Aromatic Hydrocarbons: Physical and Biological Chemistry. Sixth International Symposium*. Marcus Cooke, Anthony J. Dennis, and Gerald L. Fisher, Eds. Springer-Verlag, 1982, 949 pp. in *Chemistry in Canada*, November, **1983**.
20. V. Snieckus. Book Review: *The Botany and Chemistry of Hallucinogens*. 2<sup>nd</sup> Ed. R.E. Schultes and A. Hofmann, Charles C. Thomas Publishers. 1980. *Plants of the Gods: Origins of Hallucinogenic Use*. R.E. Schultes and A. Hofmann. McGraw-Hill Book Co., New York, N.Y. 1979 in *J. Am. Chem. Soc.*, **1983**, *105*, 5516.
21. V. Snieckus. Book Review: *Organotransition Metal Chemistry. Applications to Organic Synthesis*; S.G. Davies. Pergamon Press, Oxford, 1982 in *J. Am. Chem. Soc.*, **1983**, *105*, 7213.
22. V. Snieckus. *Whither Organic Synthesis?* *Acct. Chem. Res.*, **1983**, *16*, 186.
23. V. Snieckus. Book Review: *The Flavonoids: Advances in Research*, *J. Am. Chem. Soc.*, **1983**, *105*, 7794.
24. V. Snieckus. *Science With a Little Sake*, *Can. Chem. News*, February **1984**, 14.
25. V. Snieckus. Book Review: *The Third Dimension in Organic Chemistry*. Bassindale, A., N.Y.: Wiley, 1984 in *Science Books and Films* **1985**, *20*, 198.
26. V. Snieckus; D.A. Holden; R. Rodrigo; S. Collins; G.I. Dmitrienko; D. MacKay. Book Review: *Comprehensive Heterocyclic Chemistry*, A.R. Katritzky and C.W. Rees, Eds., Pergamon Press, Oxford, 1984 in *Can. Chem. News*, **1985**, 28-30.
27. V. Snieckus. Book Review: *The History of Scurvy and Vitamin C*. Carpenter, K.J., Cambridge University Press, in *Science Books and Films*, **1987**, *22*, 171.
28. V. Snieckus. Book Review: *Cyclopenta[a]-Phenanthrenes*. M.M. Coombs and T.S. Bhatt, Cambridge University Press, in *J. Am. Chem. Soc.*, **1988**, *110*, 5603.
29. V. Snieckus. Book Review: *Extraordinary Origins of Everyday Things*. C. Panati, Harper & Row, 1987, in *Science Books & Films*, **1988**, Sept/Oct issue.
30. V. Snieckus. Letter to the Editor, *DOWNBEAT*, July, **1988**, p. 8.
31. V. Snieckus. Book Review: *The Name Game*. A. Nickon and E. F. Silversmith, Pergamon Press

Canada, Ltd., 1987 in *Chem 13 News*, Feb. **1989**.

32. V. Snieckus. Book Review: *Chemistry of Heterocyclic Compounds (Studies in Organic Chemistry, Vol 35)* Edited by J. Kovac and P. Zalupsky, Elsevier, 1989, *Can. Chem. News*, February, **1990**, p. 29.
33. V. Snieckus. Book Review: *The Total Synthesis of Natural Products*. Volume 8. Edited by John ApSimon, Wiley Interscience: New York, 1992 in *J. Am. Chem. Soc.* **1993**.
34. V. Snieckus. Book Review: *Chemical Creativity* by J.A. Berson. Wiley-VCH: Weinheim, 1999, in *Synthesis*, **2000**, 1636.
35. V. Snieckus. Book Review: *Activation of Unreactive Bonds and Organic Synthesis* by S. Murai, Ed. Springer-Verlag, Berlin, 1999, in *Advan. Synth. Catal.* **2001**, 345, 159.
36. V. Snieckus. Foreword. *Titanium and Zirconium in Organic Synthesis*, Marek, I. Ed., Wiley-VCH, Weinheim, **2002**, pp. v – x.
37. V. Snieckus, Book Review: *Oxazoles: Synthesis, Reactions, and Spectroscopy, Part A*, Palmer, D.C. Ed. Wiley-Interscience, Hoboken, NJ, in *Nat. Prod. Rev.* **2004**, 21, 9-10.
38. V. Snieckus, Book Review: *Synthesis of Biaryls*. Ivica Capanec. Elsevier: Oxford. 2004. xiv + 350 pp. *J. Am. Chem. Soc.* **2005**, 7654-7654.
39. V. Snieckus, Book Review: *Synthetic Applications of 1,3-Dipolar Cycloaddition Chemistry Toward Heterocycles and Natural Products*, Padwa, A.; Pearson, W.H., Eds. Wiley-Interscience, Hoboken, NJ, **2005**.
40. V. Snieckus, Book Review: *Practical Organic Synthetic Chemistry* by Caron, S., John Wiley & Sons, Hoboken, 2011, *Angew. Chem. Int. Ed.* **2012**, 51, 2004-2005.
41. Organic Chemistry, Directors Extend Their Research, Kitching, M., Snieckus, V., *Nature*, **2012**, 486, 478-479.

## OTHER PUBLICATIONS

Irregular Contributor to *DOWNBEAT*, a jazz journal: On Charlie Hunter, Charles Lloyd, and Anita O'Day – January 2001, p 10; on heroes in jazz and science – October 4, 2004, p 10; on Hedvig Hanson, an Estonian singer – August, 2007, p 10; on the reunion of the Return to Forever band – October, 2008, p 10; on McDonough: Go-to-Guy, January, 2011, p 10.

Biographical Sketch, Oliver E. Edwards (1920-2007), V. Snieckus, J.W. ApSimon, and W.F. Davidson, *Trans. Royal Society of Canada*, **2011**.