

HETEROCYCLES, Vol. 80, No. 1, 2010, pp. 45 - 62. © The Japan Institute of Heterocyclic Chemistry
DOI: 10.3987/COM-09-S(S)Publications

List of Publications by Akira Suzuki (1967-2008)

(Only publications concerned with the organoborane chemistry)

- 1) "Configurational Assignments for the 4-Caranols and 4-Caranones. An Unusual Stability of 4-Isocaranone with a *cis*-Relationship of the Methyl and *gem*-Dimethyl Groups"
H. C. Brown and A. Suzuki, *J. Am. Chem. Soc.*, **1967**, 89, 1933
- 2) "A Facile Reaction of Organoboranes with Methyl Vinyl Ketone. A Convenient New Ketone Synthesis via Hydroboration"
A. Suzuki, A. Arase, H. Matsumoto, M. Itoh, H. C. Brown, M. M. Rogic, and M. W. Rathke, *J. Am. Chem. Soc.*, **1967**, 89, 5708
- 3) "Isomerization of 2-Pentene to the 1-Isomer via Hydroboration"
M. Itoh, A. Arase, K. Suzuki, and A. Suzuki, *Kogyo Kagaku Zasshi* (Japanese), **1968**, 71, 1653
- 4) "Hydroboration of Enol Acetates Derived from Aldehydes"
A. Suzuki, K. Ohmori, H. Takenaka, and M. Itoh, *Tetrahedron Lett.*, **1968**, 4937
- 5) "On Selective Hydroboration of Styrene with Dialkoxyborane"
A. Suzuki, M. Yamamoto, S. Sono, and M. Itoh, *Kogyo Kagaku Zasshi* (Japanese), **1969**, 72, 804
- 6) "Recent Progress of Hydroboration" (Review)
A. Suzuki, *Yu Kagaku* (Japanese), **1969**, 18, 285
- 7) "The Hydroboration of Enol Acetates Derived from Aliphatic Ketones"
A. Suzuki, K. Ohmori, and M. Itoh, *Tetrahedron*, **1969**, 25, 3707
- 8) "Isomerization of (+)-Sabinene to (-)- α -Thujene"
S. P. Acharya, H. C. Brown, A. Suzuki, S. Nozawa, and M. Itoh, *J. Org. Chem.*, **1969**, 34, 3015
- 9) "Reaction of Organoboranes with Methoxycarbene, and Reaction of Dichloromethyl Methyl Ether with At-Complexes Obtained from Organoboranes and Methylolithium"
A. Suzuki, S. Nozawa, N. Miyaura, M. Itoh, H. C. Brown, *Tetrahedron Lett.*, **1969**, 2955
- 10) "Reaction of the Cyclic Organoboranes from Dienes with Methyl Vinyl Ketone. A Convenient Synthesis of ω -Hydroxy-ketones from Dienes via Hydroboration"
A. Suzuki, S. Nozawa, M. Itoh, H. C. Brown, E. Negishi, and S. K. Gupta, *J. Chem. Soc., Chemical Commun.*, **1969**, 1009
- 11) "Inhibition of the Reaction of Organoboranes with α,β -Unsaturated Carbonyl Derivatives by Galvinoxyl. Evidence for a Free-Radical Chain Mechanism"
G. W. Kabalka, H. C. Brown, A. Suzuki, S. Homma, A. Arase, and M. Itoh, *J. Am. Chem. Soc.*, **1970**, 92, 710
- 12) "Organic Synthesis Using Organoboranes" (Review)
A. Suzuki, *Kagaku-no-Ryoueki* (Zoukan) (Japanese), **1970**, 89, 213
- 13) "Hydroboration and the Chemistry of Organoboranes" (Review)
A. Suzuki, *J. Syn. Org. Chem. Jpn.*, (Japanese), **1970**, 28, 288

- 14) "Thermal Isomerization of Alkylboranes in Different Solvents"
A. Arase, K. Kihara, Y. Masuda, M. Itoh, and A. Suzuki, *Kogyo Kagaku Zasshi* (Japanese), **1970**, 73, 1155
- 15) "Oxygen-Induced Reactions of Organoboranes with Acetylacetylene. A Convenient New Synthesis of α,β -Unsaturated Ketones via Hydroboration"
A. Suzuki, S. Nozawa, M. Itoh, H. C. Brown, G. W. Kabalka, and G. W. Holland, *J. Am. Chem. Soc.*, **1970**, 92, 3503
- 16) "Reaction of Organoboranes with α,β -Unsaturated Carbonyl Compounds"
A. Suzuki and M. Itoh, *Kougakubu-Houkoku* (Japanese), **1971**, 60, 45
- 17) "Isomerization of *n*-Hexadienes into 1,4-Hexadiene via Hydroboration"
A. Suzuki, H. Akihara, and M. Itoh, *Kogyo Kagaku Zasshi* (Japanese), **1971**, 74, 1152
- 18) "An Oxygen-Induced Reaction of Trialkylboranes with Alkyl Iodides. A Facile Coupling of Benzylic and Allylic Iodides via Triethylborane"
A. Suzuki, S. Nozawa, M. Harada, M. Itoh, H. C. Brown, and M. M. Midland, *J. Am. Chem. Soc.*, **1971**, 93, 1508
- 19) "Reaction of Organoboranes with α -Lithium Furan"
A. Suzuki, N. Miyaura, and M. Itoh, *Tetrahedron*, **1971**, 27, 2775
- 20) "Thermal Decomposition of Trialkylboranes in Dimethyl Sulfoxide Solution"
A. Arase, Y. Masuda, M. Ito, M. Itoh, and A. Suzuki, *Kogyo Kagaku Zasshi* (Japanese), **1971**, 74, 1416
- 21) "A New Four-Carbon-Atom Homologation Involving the Free-Radical Chain Reaction of 1,3-Butadiene Monoxide with Organoboranes. Synthesis of 4-Alkyl-2-buten-1-ols from Olefins via Hydroboration"
A. Suzuki, N. Miyaura, M. Itoh, H. C. Brown, G. W. Holland, and E. Negishi, *J. Am. Chem. Soc.*, **1971**, 93, 2792
- 22) "Displacement Reaction of Tripropylborane with 1-Dodecene at High Temperature without Solvent"
T. Ohtaki, K. Fujimori, M. Itoh, and A. Suzuki, *Kogyo Kagaku Zasshi*, (Japanese), **1971**, 74, 2129
- 23) "The Reaction of Representative Organic Azides with Triethylborane. A New Route to Secondary Amines"
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- 24) "New Organic Synthesis by Means of Organoboranes - Mainly on Radical Reactions" (Review)
A. Suzuki, *J. Syn. Org. Chem.*, (Japanese), **1971**, 29, 995
- 25) "Thermal Decomposition of Trialkylboranes in the Presence of Polar Compounds"
A. Arase, Y. Masuda, M. Ito, M. Itoh, and A. Suzuki, *J. Chem. Soc. Jpn.*, (Japanese), **1972**, 395
- 26) "Quantitative Analysis of Hydrocarbons in a Mixture of Normal Paraffins, Normal Olefins, and α -Olefins by Hydroboration-Gas Chromatographic Method"
T. Ohtaki, H. Ozaki, N. Yata, M. Itoh, and A. Suzuki, *J. Chem. Soc. Jpn.*, (Japanese), **1972**, 934

- 27) "Two Novel Reactions of Monomeric Formaldehyde with Trialkylboranes. A Remarkably Rapid Elimination Diverted by Oxygen to a Free-Radical Chain Addition"
N. Miyaura, M. Itoh, A. Suzuki, H. C. Brown, M. M. Midland, and P. Jacob, III, *J. Am. Chem. Soc.*, **1972**, 94, 6549
- 28) "The Chemistry of the Carboranes" (Review)
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- 29) "The Oxygen-Induced Reaction of Organoboranes with 3,4-Epoxy-1-butyne. A New Route to Functionalized Allenes"
A. Suzuki, N. Miyaura, M. Itoh, H. C. Brown, and P. Jacob, III, *Synthesis*, **1973**, 305
- 30) "A Convenient and General Synthesis of Acetylenes via the Reaction of Iodine with Lithium 1-Alkynyltriorganoborates"
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A. Suzuki, *Kagaku*, (Japanese), **1973**, 28, 551
- 32) "Anodic Oxidation of Trialkylboranes. A New Procedure of Alkyl Coupling Reaction of Organoboranes"
T. Taguchi, M. Itoh, and A. Suzuki, *Chem. Lett.*, **1973**, 719
- 33) "A Convenient Synthesis of α -Bromoketones from Vinyloxyboranes Obtained by the Reaction of Organoboranes with α,β -Unsaturated Ketones"
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- 34) "Oxygen-Induced 1,4-Addition Reaction of Organoboranes to Crotonaldimine"
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- 35) "New Organic Syntheses Using Organoboranes"
A. Suzuki, *Asahi-Garasu Reports*, **1973**, 22, 243
- 36) "A New Quantitative Determination of Olefins by Hydroboration-Methanolysis Method"
H. Ozaki, T. Ohtaki, M. Makita, and A. Suzuki, *Nippon Kagaku Kaishi*, (Japanese), **1974**, 287
- 37) "Reaction of Lithium Alkynyltrialkylborates with Propionic Acid. General and Convenient Synthesis of Internal and Terminal Olefins Using Organoboranes"
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- 39) "Organic Syntheses Using Organoboranes and Acetylenic Compounds" (Review)
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- 40) "Reactions of Organoboranes with Ferric Chloride and Thiocyanate. Convenient Syntheses of Alkyl Chlorides and Thiocyanates from Olefins via Hydroboration"
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K. Yamada, N. Miyaura, M. Itoh, and A. Suzuki, *Tetrahedron Lett.*, **1975**, 1961
- 44) "A Novel Synthesis of Aliphatic Nitriles from Organoboranes by Electrochemical Reaction"
Y. Takahashi, M. Tokuda, M. Itoh, and A. Suzuki, *Chem. Lett.*, **1975**, 523
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A. Suzuki, M. Tabata, and M. Ueda, *Tetrahedron Lett.*, **1975**, 2195
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N. Miyaura, S. Abiko, M. Itoh, and A. Suzuki, *Synthesis*, **1975**, 669
- 47) "Synthesis of Functionalized Organic Compounds Employing Organoboranes" (Review)
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- 48) "Reactions of Cuprous Methyltrialkylborates Obtainable from Trialkylboranes with Acrylonitrile, Ethyl Acrylate and 1-Acyl-2-vinylcyclopropane. Convenient Syntheses of Nitriles, Carboxylic Esters and γ,δ -Unsaturated Ketones"
M. Itoh, N. Miyaura, and A. Suzuki, *Tetrahedron Lett.*, **1976**, 255
- 49) "Syntheses of Organoboron Compounds and their Physical Property" (Review)
A. Suzuki, *Kagaku to Kougyou*, (Japanese), **1975**, 50, 70
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- 52) "The Coupling Reaction of Copper(I) Methyltrialkylborates with Benzyl Bromides. A Convenient Synthesis of Alkylbenzenes from Organoboranes"
N. Miyaura, M. Itoh, and A. Suzuki, *Synthesis*, **1976**, 618
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A. Suzuki, M. Ishidoya, and M. Tabata, *Synthesis*, **1976**, 687
- 54) "The Coupling Reaction of Copper(I) Methyltrialkylborates with Aroyl Chloride. A Convenient Synthesis of Alkyl Aryl Ketones from Organoboranes"

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J. Tsuji, K. Masaoka, T. Takahashi, A. Suzuki, and N. Miyaura, *Bull. Chem. Soc. Jpn.*, **1977**, 50, 2507
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- 60) "Addition Reaction of Copper(I) Methyltrialkylborates with Ethyl Propionate. Stereospecific Synthesis of (E)- α,β -Unsaturated Acid Esters"
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- 65) "Reaction of Organoboranes with the Dianion of Phenoxycetic Acid. The First Direct Synthesis of Carboxylic Acids from Organoboranes"
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- 66) "New Organic Synthesis Using Organoboranes. Carbon-Carbon Bond Formation Reactions, Mainly Using Tetracoordinate Organoboranes" (Review)
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- 68) "Synthesis of 2-Alkylfurans via the Reaction of Iodine with the Ate-Complexes Obtained from 2-Furyllithium and Trialkylboranes"

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- 69) "Non-Catalytic Hydrogenation via Organoboranes" (Review)
K. Avasthi, D. Devaprabhakara, and A. Suzuki, *J. Organomet. Chem., Library*, **1979**, 7, 1
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- 77) "The Synthesis of Methoxycyclopropanes via the Treatment of Ate-Complexes Obtained from B-Alkyl-9-BBN Derivatives and Lithium Methoxyallene with Acetic Acid"
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- 79) "The Michael-type Reaction of Lithium 1-Alkynyltrialkylborates with Methyl Vinyl Ketone in the Presence of Titanium Tetrachloride. A New Synthesis of δ -Diketones from Organoboranes"
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- 80) "The Reactions of (1-Halo-1-alkenyl)dialkylboranes with Lead(IV) Acetate or (Diacetoxyiodo)benzene. A Stereoselective Synthesis of 1-Halo-1,2-dialkylethylenes"
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- 81) "A Convenient Stereospecific Alkylation of Phenyl Acetylene by Electrochemical Reaction of Organoboranes"
Y. Takahashi, M. Tokuda, M. Itoh, and A. Suzuki, *Chem. Lett.*, **1980**, 461
- 82) "A Convenient Route to Symmetric 1,1-Dialkylethenes from 1,2-Dimethoxyethyllithium and Trialkylboranes"

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- 83) "The Palladium-Catalyzed Cross-Coupling Reaction of 1-Alkenylboranes with Allylic or Benzylic Bromides. Convenient Synthesis of 1,4-Alkadienes and Allylbenzenes from Alkynes via Hydroboration"
T. Yano, N. Miyaaura, and A. Suzuki, *Tetrahedron Lett.*, **1980**, 21, 2865
- 84) "Electroorganic Chemistry in Organometallic Compounds" (Review)
A. Suzuki and M. Tokuda, *Kagaku-Zokan*, (Japanese), **1980**, 86, 115
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- 86) "The Reaction of Organoboranes with Ethyl *p*-Nitrobenzenesulfonoxycarbamate under Two-phase Conditions. A Convenient Synthesis of Ethyl N-Alkylcarbamates from Olefins via Hydroboration"
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- 95) "Organoborates in New Synthetic Reactions" (Review)
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A. Suzuki, in *New Reagents in Organic Synthesis* (Japanese), *Kagaku-Dokan*, **1982**, 96, 11
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