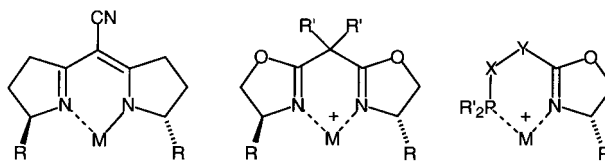


835

From Corrin Chemistry to Asymmetric Catalysis – A Personal Account

A. Pfaltz

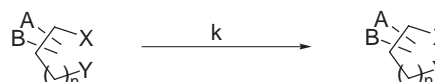


843

New Gem- and Vic-Disubstituent Effects on Cyclizations

M. E. Jung

Study of rate enhancement due to substituents

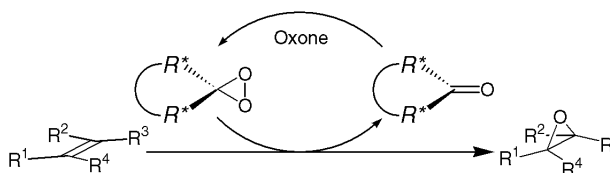


A, B = R, OR, CO₂R, NR₂, SR, H
geminal and vicinal disubstitution

847

The Development of Chiral, Nonracemic Dioxiranes for the Catalytic, Enantioselective Epoxidation of Alkenes

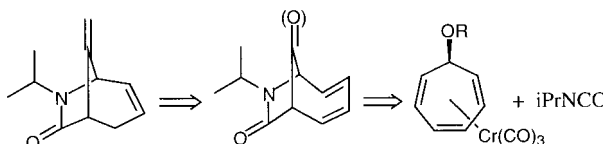
S. E. Denmark, Z. Wu



860

Construction of the 6-Azabicyclo[3.2.1]octane Ring System via Higher-Order Cycloaddition; Formal Total Synthesis of (±)-Peduncularine

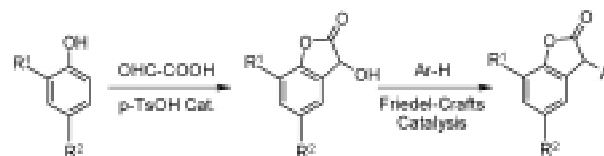
J. H. Rigby, J. H. Meyer



863

A Versatile New Synthesis of 3-Aryl-3H-benzofuran- 2-ones

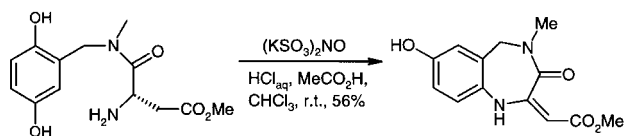
P. Nesvadba, L. Bugnon, P. Dubs, S. Evans



865

An Alternative Synthesis of a Potent GPIIb/IIIa Receptor Antagonist

J. F. Hayes

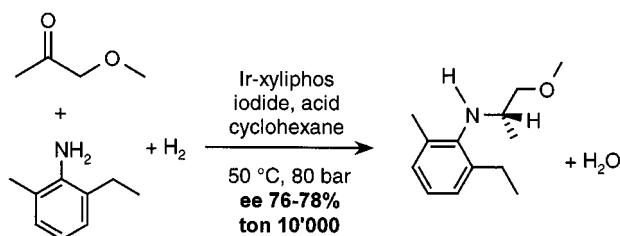


Letters

867

Iridium Ferrocenyl Diphosphine Catalyzed Enantioselective Reductive Alkylation of a Hindered Aniline

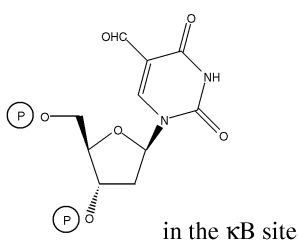
H.-U. Blaser, H.-P. Buser, H.-P. Jalett, B. Pugin, F. Spindler



869

Introduction of 5-Formyl-2'-deoxyuridine into a κB Site: Critical Discrimination of a Base Structure in the Major Groove by NF κB p50 Homodimer

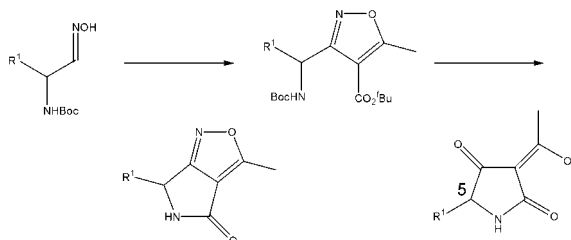
A. Kittaka, C. Horii, T. Kuze, T. Asakura, K. Ito, K. T. Nakamura, T. Miyasaka, J.-i. Inoue



873

A Second-Generation Cycloaddition Route to 5-Substituted 3-Acyltetramic Acids

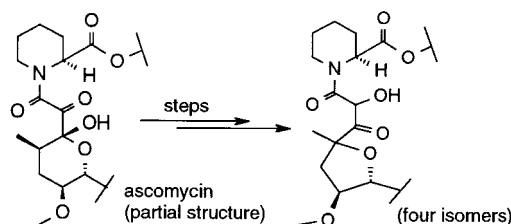
R. C. F. Jones, C. E. Dawson, M. J. O'Mahony



877

Conversion of Ascomycin into its Furano-Isomers

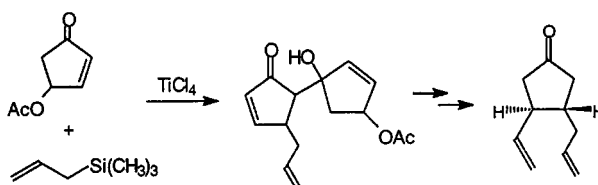
K. Baumann, B. Oberhauser, G. Strnadt, H. Knapp, G. Schulz, M. A. Grassberger



881

The Sakurai Reaction of 4-Acetoxycyclopentenone – Synthesis of *trans*-3-Allyl-4-vinylcyclopentanone

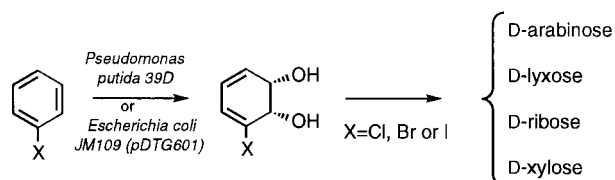
V. Helbling, M. K. Eberle, R. Keese



885

Syntheses of the D-Aldopentoses from Non-carbohydrate Sources

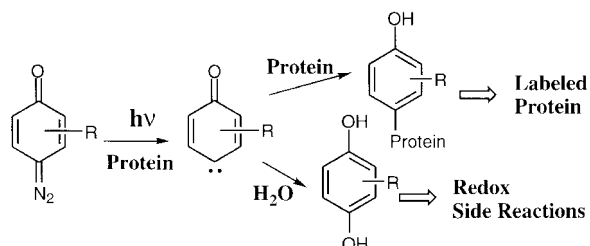
M. G. Banwell, C. De Savi, D. C. R. Hockless, S. Pallich, K. G. Watson



889

4-Diazocyclohexa-2,5-dienone Derivatives as Photoaffinity Labels for Proteins: Scope and Limitations

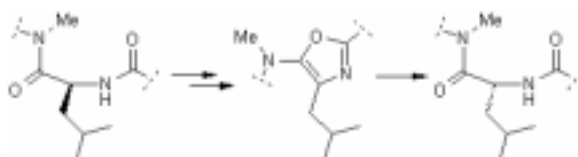
C. Colas, T. Grutter, M. Goeldner



893

Site-Selective Epimerization of a Fungal Cyclopeptide via a 5-Aminooxazole Intermediate

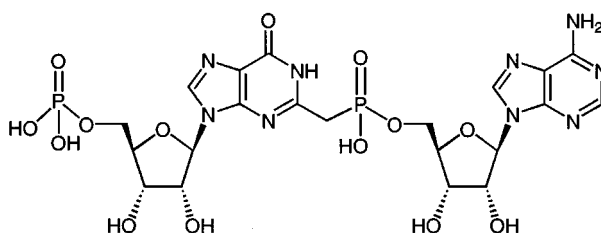
B. Oberhauser, K. Baumann, B. Grohmann, H. Sperner



897

GMP Synthetase: Synthesis and Biological Evaluation of a Stable Analog of the Proposed AMP-XMP Reaction Intermediate

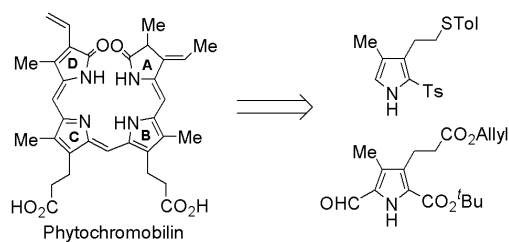
E. J. Salaski, H. Maag



901

Total Synthesis of (±)-Phytochromobilin Starting from Two Pyrrole Derivatives

T. Kakiuchi, H. Kinoshita, K. Inomata



905

Z-DNA Formation by 2'-C-Ethynyl-modified Oligonucleotides

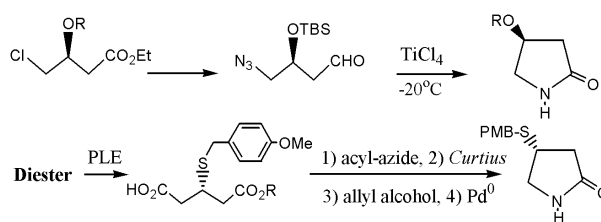
R. Buff, J. Hunziker



909

Trials for the Synthesis of (R)-4-Mercapto-pyrroli-din-2-one ((R)-MPD)

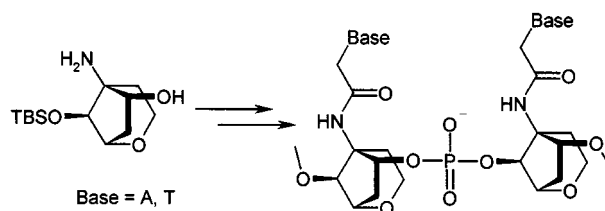
S. Kobayashi, K. Kobayashi, K. Hirai



913

Bicyclo[3.2.1]amide-DNA: Synthesis and Base-Pairing Properties

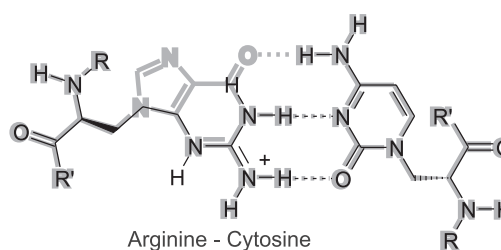
A. Egger, C. J. Leumann



917

Interactions of Amino Acid Side Chains with Nucleobases in Alanyl-PNA

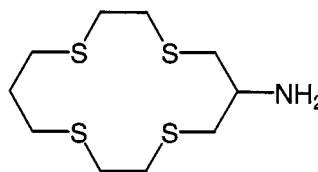
U. Diederichsen, D. Weicherding



921

6-Amino[14]aneS₄: A New Amine-Functionalised Crown Chalcogenide

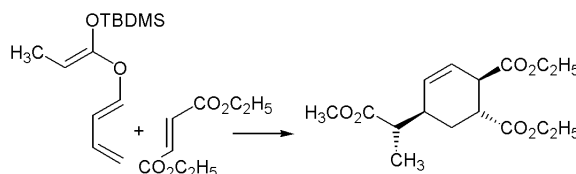
L. R. Sutton, A. J. Blake, P. A. Cooke, R. O. Gould, S. Parsons, M. Schröder



925

The Novel Sequence Diels-Alder Reaction/Ireland-Claisen Rearrangement Applied to Acyclic Dienophiles: New Insights into the Selectivity of the Ireland-Claisen Rearrangement

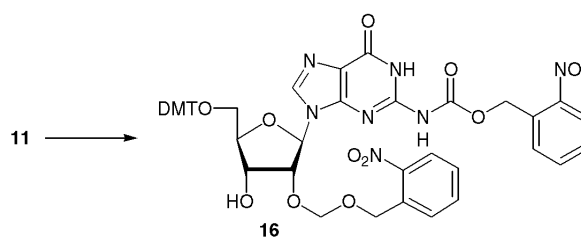
J. Velker, J.-P. Roblin, A. Neels, A. Tesouro, H. Stoeckli-Evans, F.-G. Klaerner, J.-S. Gehrke, R. Neier



930

Automated RNA-Synthesis with Photocleavable Sugar and Nucleobase Protecting Groups

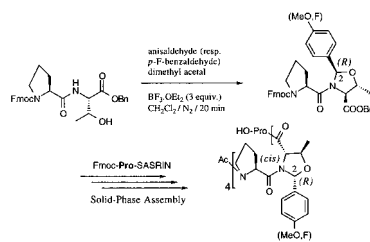
A. Stutz, S. Pitsch



935

Configurational and Conformational Control on Formation and Oligomerization of 2-C Mono-Arylated Pseudo-Proline Dipeptide Building Units by Aromatic Stacking Interactions

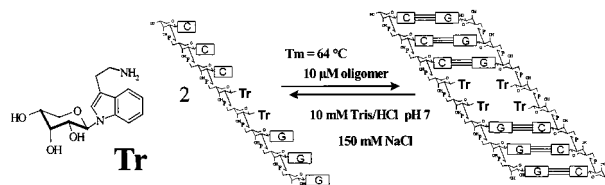
M. Keller, M. Mutter, C. Lehmann



940

Pyranosyl-RNA Supramolecules Containing Non-Hydrogen Bonding Base-Pairs

C. Hamon, T. Brandstetter, N. Windhab



945

A Novel Procedure for the Formation of Isatins via Carbonylation of Lithiated *N'*-Aryl-*N,N*-dimethylureas

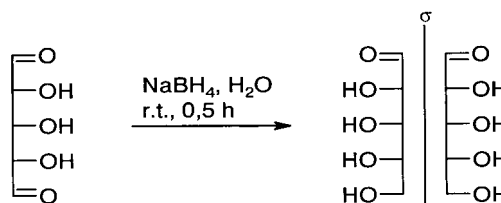
K. Smith, G. A. El-Hiti, A. C. Hawes



948

Synthesis of Racemic Ribose from D-Glucose

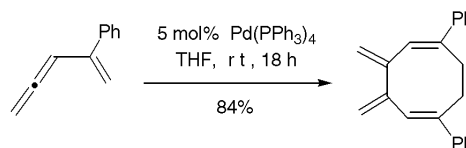
C. Miculka



951

Construction of Eight-Membered Carbocycles by Palladium-Catalyzed [4+4] Cycloaddition of Vinylallenes

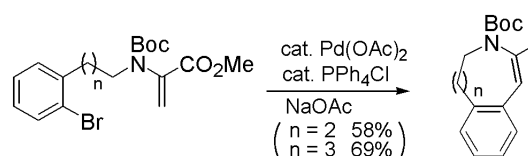
M. Murakami, K. Itami, Y. Ito



954

A Bromoarene Based Approach to Phenylalanine Analogues Hic and Nic

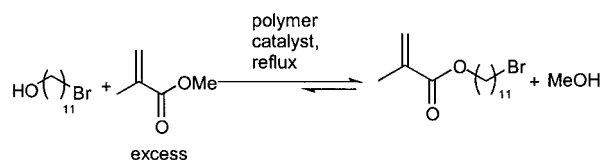
S. E. Gibson (née Thomas), J. O. Jones, R. McCague, M. J. Tozer, N. J. Whitcombe



957

A Highly Efficient Preparation of Methacrylate Esters using Novel Solid Phase Titanium-based Transesterification Catalysts

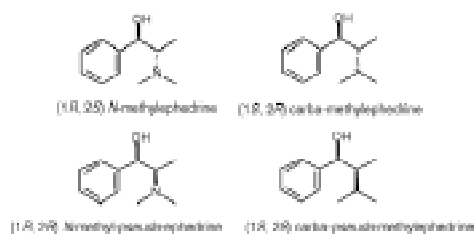
N. Lewis, C. Ribas, A. Wells



960

Carba-Methylephedrine and Carba-pseudo-Methylephedrine as Tools for Probing the Role of the Nitrogen Atom of Chiral Amino Alcohols in Asymmetric Synthesis

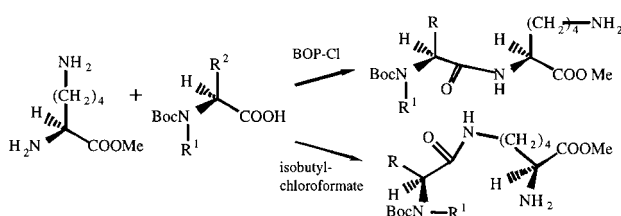
D. Cahard, L. Ferron, J.-C. Plaquevent



963

Coupling Reagent Dependent Regioselectivity in the Synthesis of Lysine Dipeptides

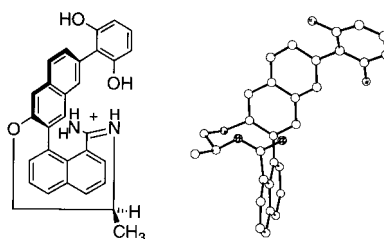
S. Shatzmiller, P. N. Confalone, A. Abiri



966

Synthesis of a Chiral Receptor Molecule with Converging Amidinium and Hydroxy Groups

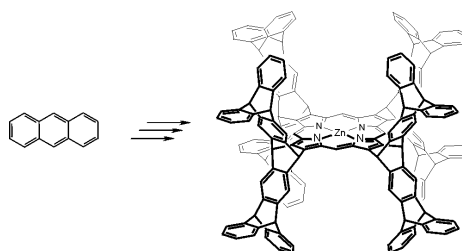
T. Schuster, M. W. Göbel



969

Calixporphyrin – a New Type of Porphyrinoid Container Molecule

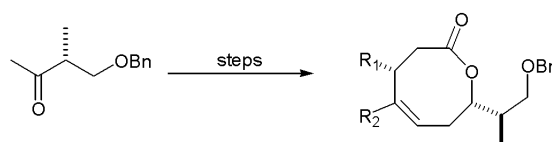
J. Schlögl, B. Kräutler



972

Enantioselective Synthesis of Alkyl-substituted Eight-membered Lactones by Claisen Rearrangement

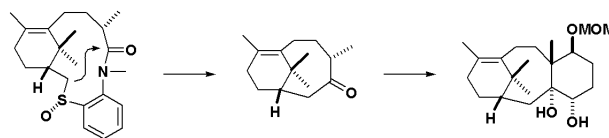
J. R. Harrison, A. B. Holmes, I. Collins



975

A Synthesis of Taxanes by Lactam-sulfoxide Ring Contraction and Intramolecular Pinacol Coupling

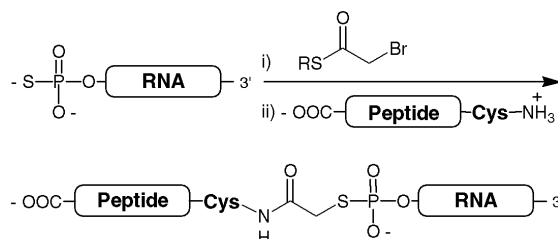
K. Takatori, Y. Takeuchi, Y. Shinohara, K. Yamaguchi, M. Nakamura, T. Hirose, T. Shimizu, M. Saito, S. Aizawa, O. Sugiyama, Y. Ohtsuka, M. Kajiwarra



978

Synthesis of an RNA-Peptide Conjugate by Orthogonal Ligation

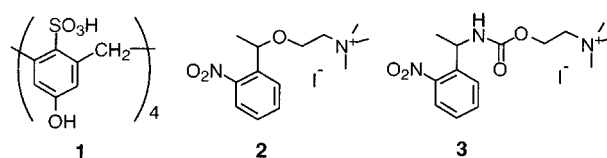
M. McPherson, M. C. Wright, P. A. Lohse



981

Characterization of Caged Cholinergic Ligands; Sulfonated Calix[4]arene Inclusion Complexes

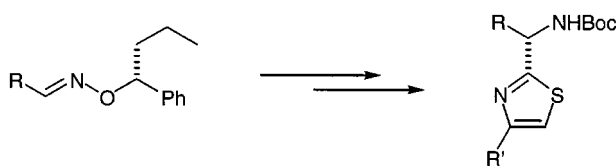
A. Specht, M. Goeldner, J. Wirz, L. Peng



984

Addition of 2-Lithiothiazoles to ROPHy/SOPHy Aldoximes: Asymmetric Synthesis of 1-(2-Thiazolyl)ethylamines

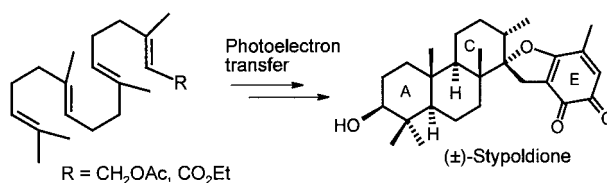
C. J. Moody, J. C. A. Hunt



987

An Efficient Formal Total Synthesis of (±)-Stypoldione via Photochemically Triggered Biomimetic Cyclizations of Terpenoid Polyalkenes

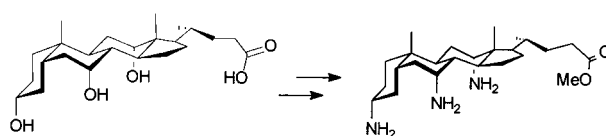
X. Xing, M. Demuth



991

The "Triamino-analogue" of Methyl Cholate; A Practical, Large-Scale Synthesis

A. P. Davis, M. N. Pérez-Payán

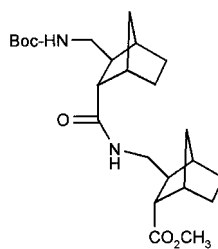


10 steps, ca. 45% overall yield

994

Synthesis and Conformation of a Novel Dipeptide Derived from a γ -Amino Acid with Norbornane Skeleton

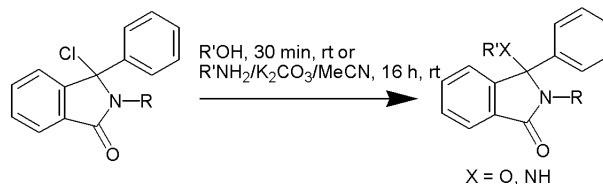
J. Duwenhorst, F.-P. Montforts



997

Synthesis of 3-Alkoxy- and 3-Alkylamino-2-alkyl-3-arylisindolinones

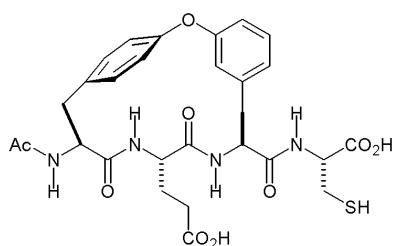
M. S. Kitching, W. Clegg, M. R. J. Elsegood, R. J. Griffin, B. T. Golding



1000

Synthesis of Two Novel Cyclic Biphenyl Ether Analogs of an Inhibitor of HCV NS3 Protease

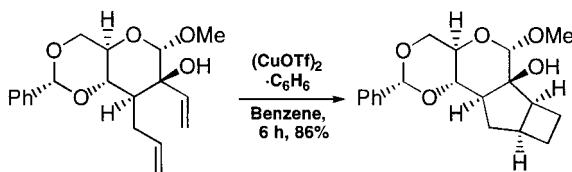
A. Marchetti, J. M. Ontoria, V. G. Matassa



1003

The Copper(I) Catalysed [2+2] Intramolecular Photoannulation of Carbohydrate Derivatives

D. J. Holt, W. D. Barker, P. R. Jenkins, S. Ghosh, D. R. Russell, J. Fawcett



1006

Stereoselective Entry to the Bicycle [4.3.0] Skeleton of Oplopanes Using a Transannular Cyclization Strategy

G. Delgado, S. Guzmán



Author Index

- Abiri, A. 963
 Aizawa, S. 975
 Asakura, T. 869

 Banwell, M. 885
 Barker, W. D. 1003
 Baumann, K. 877, 893
 Blake, A. J. 921
 Blaser, H.-U. 867
 Brandstetter, T. 940
 Buff, R. 905
 Bugnon, L. 863
 Buser, H.-P. 867

 Cahard, D. 960
 Clegg, W. 997
 Colas, C. 889
 Collins, I. 972
 Confalone, P. N. 963
 Cooke, P. A. 921

 Davis, A. P. 991
 Dawson, C. E. 873
 De Savi, C. 885
 Delgado, G. 1006
 Demuth, M. 987
 Denmark, S. E. 847
 Diederichsen, U. 917
 Dubs, P. 863
 Duwenhorst, J. 994

 Eberle, M. K. 881
 Egger, A. 913
 El-Hiti, G. A. 945
 Elsegood, M. R. J. 997
 Evans, S. 863

 Fawcett, J. 1003
 Ferron, L. 960

 Gehrke, J.-S. 925
 Ghosh, S. 1003
 Gibson (née Thomas), S.E. 954
 Göbel, M. W. 966

 Goeldner, M. 889, 981
 Golding, B. T. 997
 Gould, R. O. 921
 Grassberger, M. A. 877
 Griffin, R. J. 997
 Grohmann, B. 893
 Grutter, T. 889
 Guzmán, S. 1006

 Hamon, C. 940
 Harrison, J. R. 972
 Hawes, A. C. 945
 Hayes, J. F. 865
 Helbling, V. 881
 Hirai, K. 909
 Hirose, T. 975
 Hockless, D. C. R. 885
 Holmes, A. B. 972
 Holt, D. J. 1003
 Horii, C. 869
 Hunt, J. C. A. 984
 Hunziker, J. 905

 Inomata, K. 901
 Inoue, J.-i. 869
 Itami, K. 951
 Ito, K. 869
 Ito, Y. 951

 Jalett, H.-P. 867
 Jenkins, P. R. 1003
 Jones, J. O. 954
 Jones, R. C. F. 873
 Jung, M. E. 843

 Kajiwara, M. 975
 Kakiuchi, T. 901
 Keese, R. 881
 Keller, M. 935
 Kinoshita, H. 901
 Kitching, M. S. 997
 Kittaka, A. 869
 Klaerner, F.-G. 925
 Knapp, H. 877

 Kobayashi, K. 909
 Kobayashi, S. 909
 Kräutler, B. 969
 Kuze, T. 869

 Lehmann, C. 935
 Leumann, C. J. 913
 Lewis, N. 957
 Lohse, P. A. 978

 Maag, H. 897
 Marchetti, A. 1000
 Matassa, V. G. 1000
 McCague, R. 954
 McPherson, M. 978
 Meyer, J. H. 860
 Miculka, C. 948
 Miyasaka, T. 869
 Montforts, F.-P. 994
 Moody, C. J. 984
 Murakami, M. 951
 Mutter, M. 935

 Nakamura, K. T. 869
 Nakamura, M. 975
 Neels, A. 925
 Neier, R. 925
 Nesvadba, P. 863

 O'Mahony, M. J. 873
 Oberhauser, B. 877, 893
 Ohtsuka, Y. 975
 Ontoria, J. M. 1000

 Pallich, S. 885
 Parsons, S. 921
 Peng, L. 981
 Pérez-Payán, M. N. 991
 Pfaltz, A. 835
 Pitsch, S. 930
 Plaquevent, J.-C. 960
 Pugin, B. 867

 Ribas, C. 957
 Rigby, J. H. 860
 Roblin, J.-P. 925
 Russell, D. R. 1003

 Saito, M. 975
 Salaski, E. J. 897
 Schlögl, J. 969
 Schröder, M. 921
 Schulz, G. 877
 Schuster, T. 966
 Shatzmiller, S. 963
 Shimizu, T. 975
 Shinohara, Y. 975
 Smith, K. 945
 Specht, A. 981
 Sperner, H. 893
 Spindler, F. 867
 Stoekli-Evans, H. 925
 Strnad, G. 877
 Stutz, A. 930
 Sugiyama, O. 975
 Sutton, L. R. 921

 Takatori, K. 975
 Takeuchi, Y. 975
 Tesouro, A. 925
 Tozer, M. J. 954

 Velker, J. 925

 Watson, K. G. 885
 Weicherding, D. 917
 Wells, A. 957
 Whitcombe, N. J. 954
 Windhab, N. 940
 Wirz, J. 981
 Wright, M. C. 978
 Wu, Z. 847

 Xing, X. 987

 Yamaguchi, K. 975