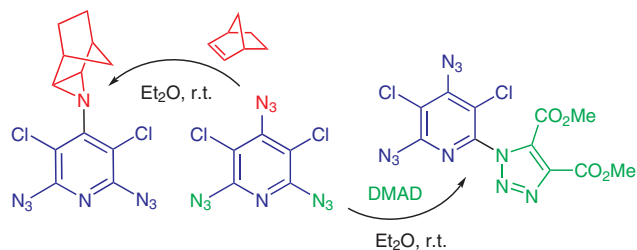


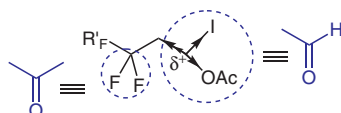
1 S. V. Chapyshev

Selective Reactions on the Azido Groups of Aromatic Polyazides



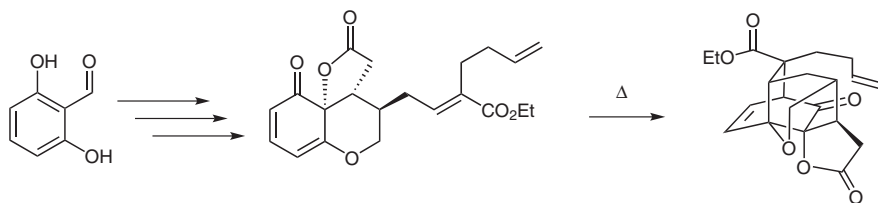
9 S. El Kharrat
P. Laurent*
H. Blancou

The Stability/Reactivity Effects of Trifluoromethyl and Perfluoroalkyl Chains in a Masked 1,3-Dicarbonyl Derivative: The Case of 1-Acetoxy-1-iodo-2-(perfluoroalkyl)ethanes

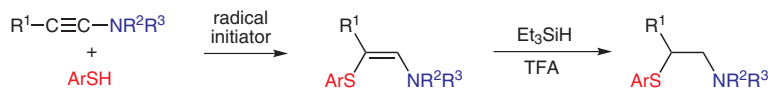


23 J. G. M. Morton
L. D. Kwon
J. D. Freeman
J. T. Njardarson*

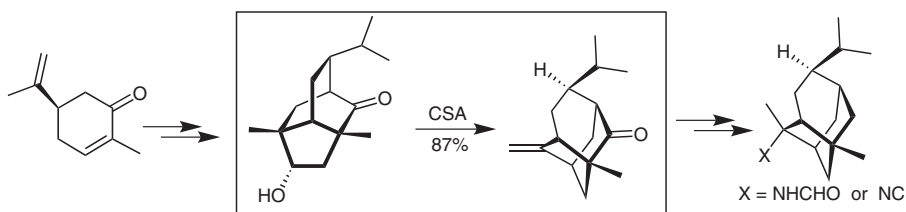
Thieme Chemistry Journal Awardees – Where are They Now? Efforts towards the Total Synthesis of Vinigrol



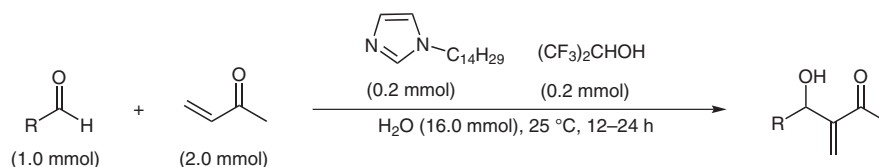
- 28 A. Sato
H. Yorimitsu*
K. Oshima*
- Thieme Chemistry Journal Awardees – Where are They Now?
Regio- and Stereoselective Radical Additions of Thiols to Ynamides**



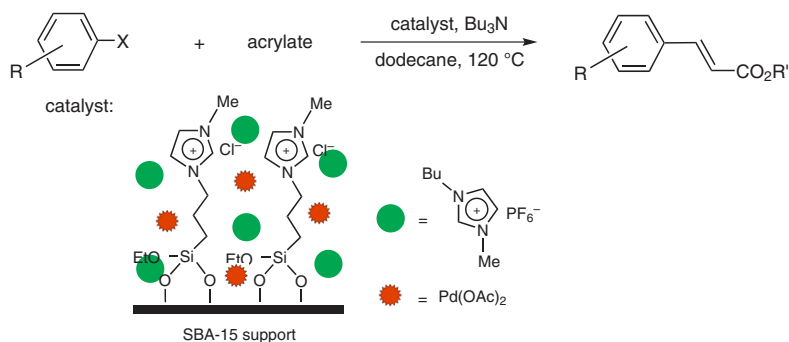
- 32 A. Srikrishna*
G. Ravi
D. R. C. V. Subbaiah
- Enantioselective First Total Syntheses of 2-(Formylamino)trachyopsane and
ent-2-(Isocyano)trachyopsane via a Biomimetic Approach**



- 35 K. Asano
S. Matsubara*
- N*-Alkylimidazole as Amphiphilic Organocatalyst: ‘Catalytic’ Morita–
Baylis–Hillman Reaction on Water without Organic Solvent**

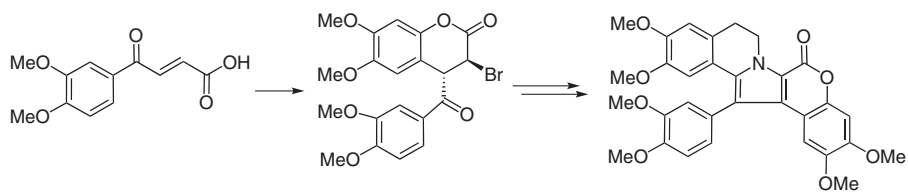


- 39 J.-Y. Jung
A. Taher
H.-J. Kim
W.-S. Ahn
M.-J. Jin*
- Heck Reaction Catalyzed by Mesoporous SBA-15-Supported Ionic
Liquid–Pd(OAc)₂**



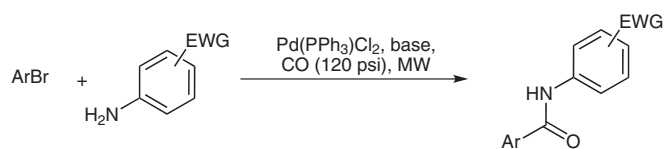
- 43 J. S. Yadav*
K. U. Gayathri
B. V. S. Reddy
A. R. Prasad

Modular Total Synthesis of Lamellarin G Trimethyl Ether



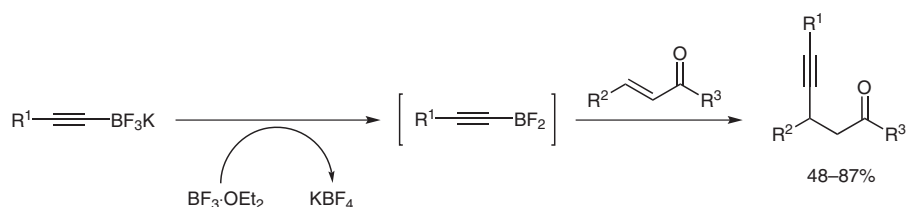
- 47 F. Cardullo
D. Donati
G. Merlo
A. Paio
E. Petricci*
M. Taddei

Microwave-Assisted Aminocarbonylation of Aryl Bromides at Low Carbon Monoxide Pressure



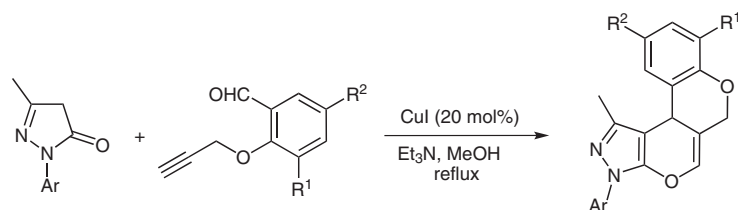
- 51 F. Bertolini
S. Woodward*

Rapid 1,4-Alkynylation of Acyclic Enones Using K[F₃BC≡CR]



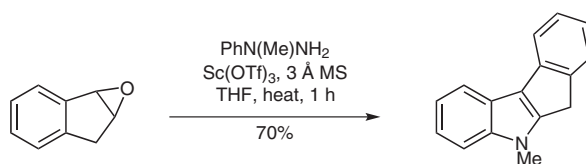
- 55 M. J. Khoshkholgh
S. Balalaie*
H. R. Bijanzadeh
J. H. Gross

Copper(I) Iodide Catalyzed Domino Knoevenagel Hetero-Diels–Alder Reaction of Terminal Acetylenes: Synthesis of Pyrano[2,3-*c*]pyrazoles



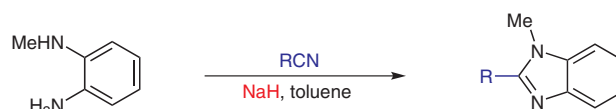
59 J. R. Donald
R. J. K. Taylor*

Tandem Meinwald Rearrangement–Fischer Indolisation: A One-Pot Conversion of Epoxides into Indoles



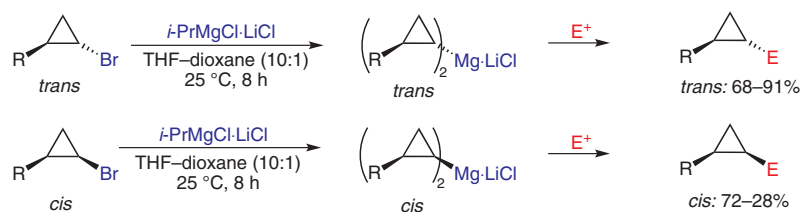
63 J. Sluiter
J. Christoffers*

Synthesis of 1-Methylbenzimidazoles from Carbonitriles



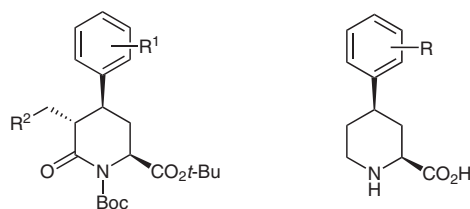
67 C. B. Rauhut
C. Cervino
A. Krasovskiy
P. Knochel*

Stereoselective Preparation of Cyclopropylmagnesium Reagents via a Br–Mg Exchange Using $i\text{-PrMgCl}\cdot\text{LiCl}$ in the Presence of Dioxane



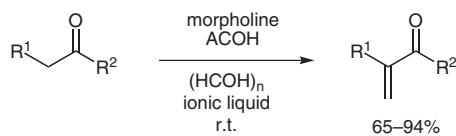
71 S. Hanessian*
L. Riber
J. Marin

Diastereoselective Synthesis of Functionally Diverse Substituted Piperolic Acids



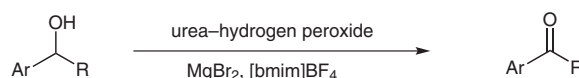
- 75 J. A. Vale
D. F. Zanchetta
P. J. S. Moran
J. A. R. Rodrigues*

Efficient α -Methylenation of Carbonyl Compounds in Ionic Liquids at Room Temperature



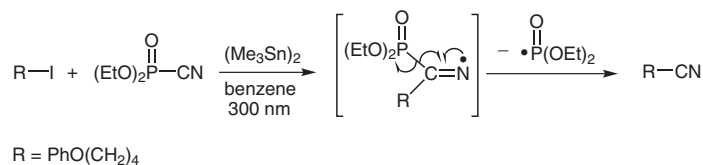
- 79 H. J. Park
J. C. Lee*

Oxidation of Benzylic Alcohols with Urea–Hydrogen Peroxide and Catalytic Magnesium Bromide



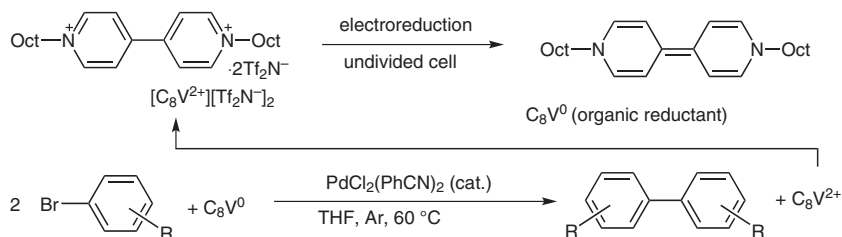
- 81 C. H. Cho
J. Y. Lee
S. Kim*

Radical Cyanation of Alkyl Iodides with Diethylphosphoryl Cyanide



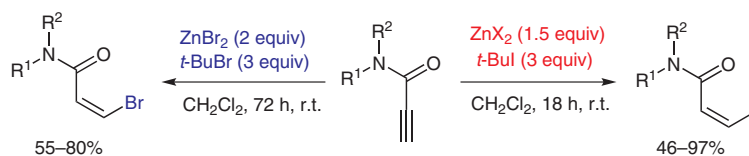
- 85 M. Kuroboshi
R. Kobayashi
T. Nakagawa
H. Tanaka*

Electroreductive Generation of Recyclable Organic Reductant from *N,N'*-Dioctyl-4,4'-bipyridinium and Pd-Catalyzed Reductive Coupling of Aryl Halides



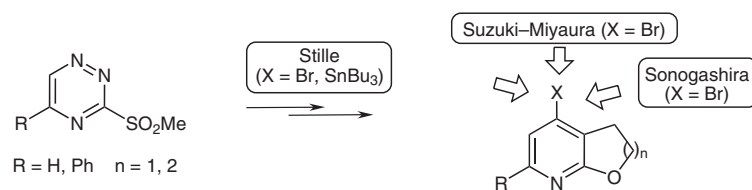
- 89 L. Feray*
P. Perfetti
M. P. Bertrand*

Mild Stereoselective Hydrohalogenation Leading to (*Z*)-Halopropenamides at Room Temperature



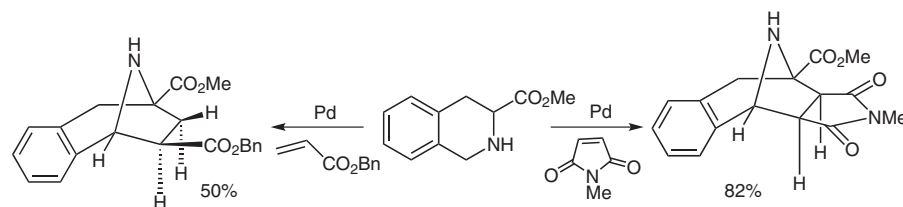
- 92 Y. Hajbi
F. Suzenet*
M. Khouili
S. Lazar
G. Guillaumet*

General Synthetic Approach to 4-Substituted 2,3-Dihydrofuro[2,3-*b*]-pyridines and 5-Substituted 3,4-Dihydro-2*H*-pyrano[2,3-*b*]pyridines



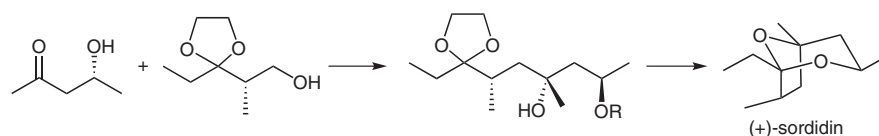
- 97 R. Grigg*
A. Somasunderam
V. Sridharan
A. Keep

Palladium-Catalysed Cascades Triggered by Dehydrogenation of Secondary or Tertiary Amines: Access to Bridged- and Fused-Ring Heterocycles



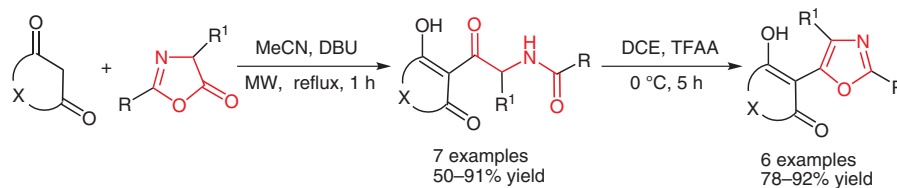
- 100 K. Lundhaug
L. Skattebøl*
A. J. Aasen

Synthesis of (1*S*,3*R*,5*R*,7*S*)-Sordidin, the Main Component of the Aggregation Pheromone of the Banana Weevil *Cosmopolites sordidus*



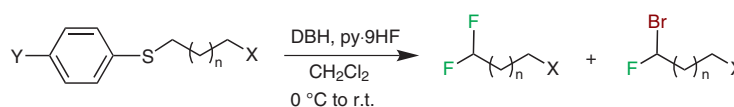
103 M. Cordaro
G. Grassi*
F. Risitano
A. Scala

A New Construction of Diversely Functionalized Oxazoles from Enolizable Cyclic 1,3-Dicarbonyls and 5(4*H*)-Oxazolones



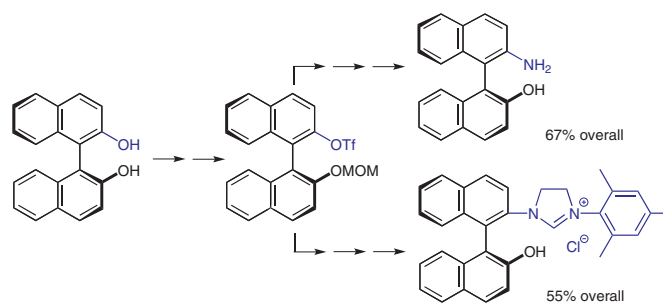
106 V. Hugenberg
G. Haufe*

Oxidative Desulfurization–Difluorination of Alkyl Aryl Thioethers: Synthesis of ω -Substituted 1,1-Difluoroalkanes



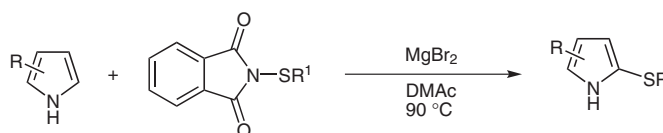
109 D. Sälinger
R. Brückner*

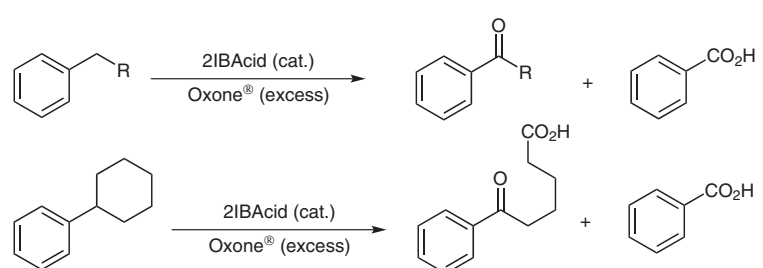
High-Yielding Large-Scale Syntheses of Enantiomerically Pure NOBIN and a NOBIN-Based Enantiomerically Pure NHC Precursor

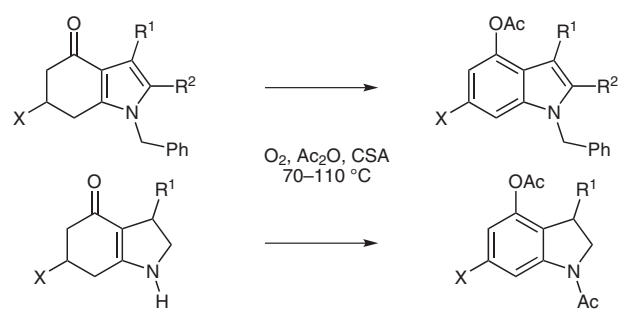


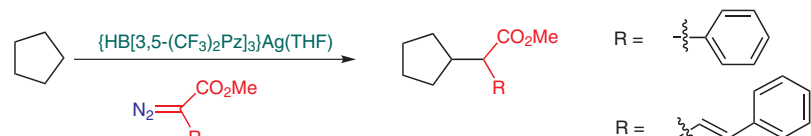
112 H. M. Gillis
L. Greene
A. Thompson*

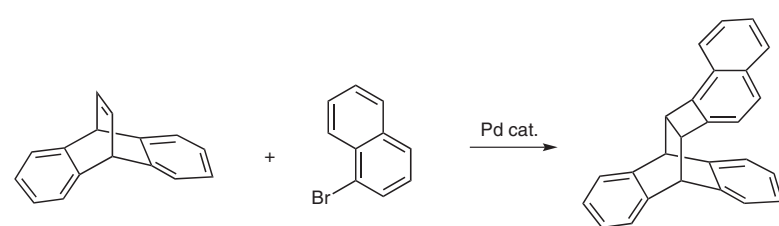
Preparation of Sulfenyl Pyrroles



- 117** L. R. Ojha
S. Kudugunti
P. P. Maddukuri
A. Kommareddy
M. R. Gunna
P. Dokuparthi
H. B. Gottam
K. K. Botha
D. R. Parapati
T. K. Vinod*
- Benzylic Carbon Oxidation by an in situ Formed *o*-Iodoxybenzoic Acid (IBX) Derivative**
- 

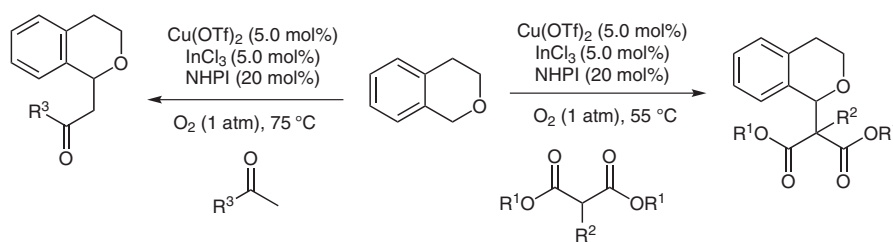
- 122** M. Arai
Y. Miyauchi
T. Miyahara
T. Ishikawa*
S. Saito*
- Synthesis of 4-Acetoxyindoles and Related Derivatives by Means of Air Oxidation of 4-Oxo-4,5,6,7-tetrahydroindoles Obtained from Nitroalkenes and Cyclohexane-1,3-diones**
- 

- 129** C. J. Lovely*
J. A. Flores
X. Meng
H. V. R. Dias*
- Silver-Catalyzed C–H Insertion Reactions with Donor–Acceptor Diazoacetates**
- 

- 133** M. Pillekamp
A. Aniol
J. Heppekausen
S. Neukirchen
S. Seel
I. M. Oppel
G. Dyker*
- Palladium-Catalyzed Four-Membered Ring Annulation Reactions at Dibenzobarrelene**
- 

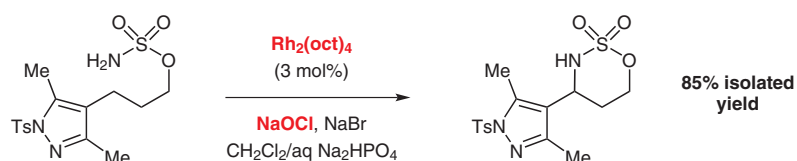
- 138** W.-J. Yoo
C. A. Correia
Y. Zhang¹
C.-J. Li*

Oxidative Alkylation of Cyclic Benzyl Ethers with Malonates and Ketones Using Oxygen as the Terminal Oxidant



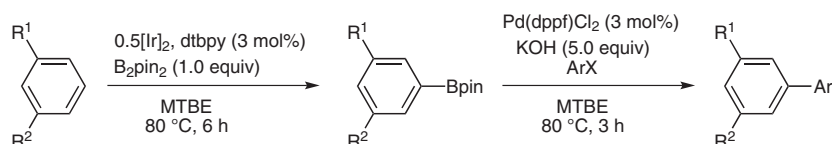
- 143** D. N. Zalatan
J. Du Bois*

Oxidative Cyclization of Sulfamate Esters Using NaOCl – A Metal-Mediated Hoffman–Löffler–Freytag Reaction



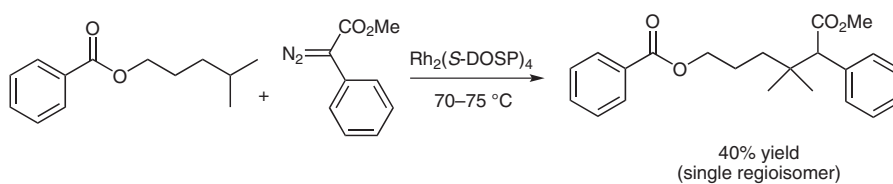
- 147** P. Harrisson
J. Morris
P. G. Steel*
T. B. Marder*

A One-Pot, Single-Solvent Process for Tandem, Catalyzed C–H Borylation–Suzuki–Miyaura Cross-Coupling Sequences



- 151** E. Nadeau
Z. Li
D. Morton
H. M. L. Davies*

Rhodium Carbenoid Induced Intermolecular C–H Functionalization at Tertiary C–H Bonds



155 Compiled by **Ozone: A Versatile Oxidizing Agent in Academic Syntheses and Industrial**
 G. W. Amarante* **Processes**

157 Compiled by **Carbon Disulfide (CS₂)**
 F. J. Iglesias-Sigüenza*

Author Index

- Aasen, A. J. 100
 Ahn, W.-S. 39
 Amarante, G. W. 155
 Aniol, A. 133
 Arai, M. 122
 Asano, K. 35

 Balalaie, S. 55
 Bertolini, F. 51
 Bertrand, M. P. 89
 Bijanzadeh, H. R. 55
 Blancou, H. 9
 Botha, K. K. 117
 Brückner, R. 109

 Cardullo, F. 47
 Cervino, C. 67
 Chapyshev, S. V. 1
 Cho, C. H. 81
 Christoffers, J. 63
 Cordaro, M. 103
 Correia, C. A. 138

 Davies, H. M. L. 151
 Dias, H. V. R. 129
 Dokuparthi, P. 117
 Donald, J. R. 59
 Donati, D. 47
 Du Bois, J. 143
 Dyker, G. 133

 El Kharrat, S. 9

 Feray, L. 89
 Flores, J. A. 129
 Freeman, J. D. 23

 Gayathri, K. U. 43
 Gillis, H. M. 112

 Gottam, H. B. 117
 Grassi, G. 103
 Greene, L. 112
 Grigg, R. 97
 Gross, J. H. 55
 Guillaumet, G. 92
 Gunna, M. R. 117

 Hajbi, Y. 92
 Hanessian, S. 71
 Harrisson, P. 147
 Haufe, G. 106
 Hepekausen, J. 133
 Hugenberg, V. 106

 Iglesias-Sigüenza, F. J. 157
 Ishikawa, T. 122

 Jin, M.-J. 39
 Jung, J.-Y. 39

 Keep, A. 97
 Khoshkholgh, M. J. 55
 Khouili, M. 92
 Kim, H.-J. 39
 Kim, S. 81
 Knochel, P. 67
 Kobayashi, R. 85
 Kommareddy, A. 117
 Krasovskiy, A. 67
 Kudugunti, S. 117
 Kuroboshi, M. 85
 Kwon, L. D. 23

 Laurent, P. 9
 Lazar, S. 92
 Lee, J. C. 79
 Lee, J. Y. 81
 Li, C.-J. 138

 Li, Z. 151
 Lovely, C. J. 129
 Lundhaug, K. 100

 Maddukuri, P. P. 117
 Marder, T. B. 147
 Marin, J. 71
 Matsubara, S. 35
 Meng, X. 129
 Merlo, G. 47
 Miyahara, T. 122
 Miyauchi, Y. 122
 Moran, P. J. S. 75
 Morris, J. 147
 Morton, D. 151
 Morton, J. G. M. 23

 Nadeau, E. 151
 Nakagawa, T. 85
 Neukirchen, S. 133
 Njardarson, J. T. 23

 Ojha, L. R. 117
 Oppel, I. M. 133
 Oshima, K. 28

 Paio, A. 47
 Parapati, D. R. 117
 Park, H. J. 79
 Perfetti, P. 89
 Petricci, E. 47
 Pillekamp, M. 133
 Prasad, A. R. 43

 Rauhut, C. B. 67
 Ravi, G. 32
 Reddy, B. V. S. 43
 Riber, L. 71
 Risitano, F. 103

 Rodrigues, J. A. R. 75

 Saito, S. 122
 Sälinger, D. 109
 Sato, A. 28
 Scala, A. 103
 Seel, S. 133
 Skattebøl, L. 100
 Sluiter, J. 63
 Somasunderam, A. 97
 Sridharan, V. 97
 Srikrishna, A. 32
 Steel, P. G. 147
 Subbaiah, D. R. C. V. 37
 Suzenet, F. 92

 Taddei, M. 47
 Taher, A. 39
 Tanaka, H. 85
 Taylor, R. J. K. 59
 Thompson, A. 112

 Vale, J. A. 75
 Vinod, T. K. 117

 Woodward, S. 51

 Yadav, J. S. 43
 Yoo, W.-J. 138
 Yorimitsu, H. 28

 Zalatan, D. N. 143
 Zanchetta, D. F. 75
 Zhang, Y. 138