
Author Index Volumes 201–244

Author Index Vols. 26–50 see Vol. 50

Author Index Vols. 51–100 see Vol. 100

Author Index Vols. 101–150 see Vol. 150

Author Index Vols. 151–200 see Vol. 200

The volume numbers are printed in italics

- Achilefu S, Dorshow RB (2002) Dynamic and Continuous Monitoring of Renal and Hepatic Functions with Exogenous Markers. *222*: 31–72
- Albert M, see Dax K (2001) *215*: 193–275
- Albrecht M (2005) Supramolecular Templating in the Formation of Helicates. *248*: 105–139
- Ando T, Inomata S-I, Yamamoto M (2004) Lepidopteran Sex Pheromones. *239*: 51–96
- Angyal SJ (2001) The Lobry de Bruyn-Alberda van Ekenstein Transformation and Related Reactions. *215*: 1–14
- Antzutkin ON, see Ivanov AV (2005) *246*: 271–337
- Anupöld T, see Samoson A (2005) *246*: 15–31
- Armentrout PB (2003) Threshold Collision-Induced Dissociations for the Determination of Accurate Gas-Phase Binding Energies and Reaction Barriers. *225*: 227–256
- Astruc D, Blais J-C, Cloutet E, Djakovitch L, Rigaut S, Ruiz J, Sartor V, Valério C (2000) The First Organometallic Dendrimers: Design and Redox Functions. *210*: 229–259
- Augé J, see Lubineau A (1999) *206*: 1–39
- Baars MWPL, Meijer EW (2000) Host-Guest Chemistry of Dendritic Molecules. *210*: 131–182
- Balazs G, Johnson BP, Scheer M (2003) Complexes with a Metal-Phosphorus Triple Bond. *232*: 1–23
- Balbo Block MA, Kaiser C, Khan A, Hecht S (2005) Discrete Organic Nanotubes Based on a Combination of Covalent and Non-Covalent Approaches. *245*: 89–150
- Balczewski P, see Mikoloajczyk M (2003) *223*: 161–214
- Ballauff M (2001) Structure of Dendrimers in Dilute Solution. *212*: 177–194
- Ballauff M, see Likos CN (2005) *245*: 239–252
- Baltzer L (1999) Functionalization and Properties of Designed Folded Polypeptides. *202*: 39–76
- Balzani V, Ceroni P, Maestri M, Saudan C, Vicinelli V (2003) Luminescent Dendrimers. Recent Advances. *228*: 159–191
- Bannwarth W, see Horn J (2004) *242*: 43–75
- Barré L, see Lasne M-C (2002) *222*: 201–258
- Bartlett RJ, see Sun J-Q (1999) *203*: 121–145
- Bauer RE, Grimsdale AC, Müllen K (2005) Functionalised Polyphenylene Dendrimers and Their Applications. *245*: 253–286
- Beifuss U, Tietze M (2005) Methanophenazine and Other Natural Biologically Active Phenazines. *244*: 77–113
- Bergbreiter DE, Li J (2004) Applications of Catalysts on Soluble Supports. *242*: 113–176
- Bertrand G, Bourissou D (2002) Diphosphorus-Containing Unsaturated Three-Membered Rings: Comparison of Carbon, Nitrogen, and Phosphorus Chemistry. *220*: 1–25

- Betzemeier B, Knochel P (1999) Perfluorinated Solvents – a Novel Reaction Medium in Organic Chemistry. *206*: 61–78
- Bibette J, see Schmitt V (2003) *227*: 195–215
- Blais J-C, see Astruc D (2000) *210*: 229–259
- Bogár F, see Pipek J (1999) *203*: 43–61
- Bohme DK, see Petrie S (2003) *225*: 35–73
- Boillot M-L, Zarembowitch J, Sour A (2004) Ligand-Driven Light-Induced Spin Change (LD-LISC): A Promising Photomagnetic Effect. *234*: 261–276
- Boukheddaden K, see Bousseksou A (2004) *235*: 65–84
- Boukheddaden K, see Varret F (2004) *234*: 199–229
- Bourissou D, see Bertrand G (2002) *220*: 1–25
- Bousseksou A, Varret F, Goiran M, Boukheddaden K, Tuchagues J-P (2004) The Spin Crossover Phenomenon Under High Magnetic Field. *235*: 65–84
- Bousseksou A, see Tuchagues J-P (2004) *235*: 85–103
- Bowers MT, see Wyttenbach T (2003) *225*: 201–226
- Brady C, McGarvey JJ, McCusker JK, Toftlund H, Hendrickson DN (2004) Time-Resolved Relaxation Studies of Spin Crossover Systems in Solution. *235*: 1–22
- Brand SC, see Haley MM (1999) *201*: 81–129
- Bravic G, see Guionneau P (2004) *234*: 97–128
- Bray KL (2001) High Pressure Probes of Electronic Structure and Luminescence Properties of Transition Metal and Lanthanide Systems. *213*: 1–94
- Bronstein LM (2003) Nanoparticles Made in Mesoporous Solids. *226*: 55–89
- Brönstrup M (2003) High Throughput Mass Spectrometry for Compound Characterization in Drug Discovery. *225*: 275–294
- Brücher E (2002) Kinetic Stabilities of Gadolinium(III) Chelates Used as MRI Contrast Agents. *221*: 103–122
- Brüggemann J, see Schalley CA (2005) *248*: 141–200
- Brunel JM, Buono G (2002) New Chiral Organophosphorus atalysts in Asymmetric Synthesis. *220*: 79–106
- Buchwald SL, see Muci AR (2002) *219*: 131–209
- Bunz UHF (1999) Carbon-Rich Molecular Objects from Multiply Ethynylated *p*-Complexes. *201*: 131–161
- Buono G, see Brunel JM (2002) *220*: 79–106
- Cadierno V, see Majoral J-P (2002) *220*: 53–77
- Carnade A-M, see Majoral J-P (2003) *223*: 111–159
- Carmichael D, Mathey F (2002) New Trends in Phosphametalocene Chemistry. *220*: 27–51
- Caruso F (2003) Hollow Inorganic Capsules via Colloid-Templated Layer-by-Layer Electrostatic Assembly. *227*: 145–168
- Caruso RA (2003) Nanocasting and Nanocoating. *226*: 91–118
- Ceroni P, see Balzani V (2003) *228*: 159–191
- Chamberlin AR, see Gilmore MA (1999) *202*: 77–99
- Chasseau D, see Guionneau P (2004) *234*: 97–128
- Chivers T (2003) Imido Analogues of Phosphorus Oxo and Chalcogenido Anions. *229*: 143–159
- Chow H-F, Leung C-F, Wang G-X, Zhang J (2001) Dendritic Oligoethers. *217*: 1–50
- Chumakov AI, see Winkler H (2004) *235*: 105–136
- Clarkson RB (2002) Blood-Pool MRI Contrast Agents: Properties and Characterization. *221*: 201–235
- Cloutet E, see Astruc D (2000) *210*: 229–259
- Co CC, see Hentze H-P (2003) *226*: 197–223
- Codjovi E, see Varret F (2004) *234*: 199–229

- Cooper DL, see Raimondi M (1999) 203: 105–120
- Cornils B (1999) Modern Solvent Systems in Industrial Homogeneous Catalysis. 206: 133–152
- Corot C, see Idee J-M (2002) 222: 151–171
- Crépy KVL, Imamoto T (2003) New P-Chirogenic Phosphine Ligands and Their Use in Catalytic Asymmetric Reactions. 229: 1–40
- Cristau H-J, see Taillefer M (2003) 229: 41–73
- Crooks RM, Lemon III BI, Yeung LK, Zhao M (2001) Dendrimer-Encapsulated Metals and Semiconductors: Synthesis, Characterization, and Applications. 212: 81–135
- Croteau R, see Davis EM (2000) 209: 53–95
- Crouzel C, see Lasne M-C (2002) 222: 201–258
- Curran DP, see Maul JJ (1999) 206: 79–105
- Currie F, see Häger M (2003) 227: 53–74
- Dabkowski W, see Michalski J (2003) 232: 93–144
- Davidson P, see Gabriel J-C P (2003) 226: 119–172
- Davis EM, Croteau R (2000) Cyclization Enzymes in the Biosynthesis of Monoterpenes, Sesquiterpenes and Diterpenes. 209: 53–95
- Davies JA, see Schwert DD (2002) 221: 165–200
- Dax K, Albert M (2001) Rearrangements in the Course of Nucleophilic Substitution Reactions. 215: 193–275
- de Keizer A, see Kleinjan WE (2003) 230: 167–188
- de la Plata BC, see Ruano JLG (1999) 204: 1–126
- de Meijere A, Kozhushkov SI (1999) Macrocyclic Structurally Homoconjugated Oligoacetylenes: Acetylene- and Diacetylene-Expanded Cycloalkanes and Rotanes. 201: 1–42
- de Meijere A, Kozhushkov SI, Khlebnikov AF (2000) Bicyclopropylidene – A Unique Tetra-substituted Alkene and a Versatile C₆-Building Block. 207: 89–147
- de Meijere A, Kozhushkov SI, Hadjiaraoglou LP (2000) Alkyl 2-Chloro-2-cyclopropylideneacetates – Remarkably Versatile Building Blocks for Organic Synthesis. 207: 149–227
- Dennig J (2003) Gene Transfer in Eukaryotic Cells Using Activated Dendrimers. 228: 227–236
- de Raadt A, Fechter MH (2001) Miscellaneous. 215: 327–345
- Desai B, Kappe CO (2004) Microwave-Assisted Synthesis Involving Immobilized Catalysts. 242: 177–208
- Desreux JF, see Jacques V (2002) 221: 123–164
- Diederich F, Gobbi L (1999) Cyclic and Linear Acetylenic Molecular Scaffolding. 201: 43–79
- Diederich F, see Smith DK (2000) 210: 183–227
- Diederich F, see Thilgen C (2005) 248: 1–61
- Djakovitch L, see Astruc D (2000) 210: 229–259
- Dolle F, see Lasne M-C (2002) 222: 201–258
- Donges D, see Yersin H (2001) 214: 81–186
- Dormán G (2000) Photoaffinity Labeling in Biological Signal Transduction. 211: 169–225
- Dorn H, see McWilliams AR (2002) 220: 141–167
- Dorshow RB, see Achilefu S (2002) 222: 31–72
- Dötz KH, Wenzel B, Jahr HC (2005) Chromium-Templated Benzannulation and Haptotropic Metal Migration. 248: 63–103
- Drabowicz J, Mikołajczyk M (2000) Selenium at Higher Oxidation States. 208: 143–176
- Drain CM, Goldberg I, Sylvain I, Falber A (2005) Synthesis and Applications of Supramolecular Porphyrinic Materials. 245: 55–88
- Dutasta J-P (2003) New Phosphorylated Hosts for the Design of New Supramolecular Assemblies. 232: 55–91

- Eckert B, Steudel R (2003) Molecular Spectra of Sulfur Molecules and Solid Sulfur Allotropes. *231*: 31–97
- Eckert B, see Steudel R (2003) *230*: 1–79
- Eckert H, Elbers S, Epping JD, Janssen M, Kalwei M, Strojek W, Voigt U (2005) Dipolar Solid State NMR Approaches Towards Medium-Range Structure in Oxide Glasses. *246*: 195–233
- Ehres M, Romerosa A, Peruzzini M (2002) Metal-Mediated Degradation and Reaggregation of White Phosphorus. *220*: 107–140
- Eder B, see Wrodnigg TM (2001) The Amadori and Heyns Rearrangements: Landmarks in the History of Carbohydrate Chemistry or Unrecognized Synthetic Opportunities? *215*: 115–175
- Edwards DS, see Liu S (2002) *222*: 259–278
- Elaissari A, Ganachaud F, Pichot C (2003) Biorelevant Latexes and Microgels for the Interaction with Nucleic Acids. *227*: 169–193
- Elbers S, see Eckert H (2005) *246*: 195–233
- Enachescu C, see Varret F (2004) *234*: 199–229
- End N, Schöning K-U (2004) Immobilized Catalysts in Industrial Research and Application. *242*: 241–271
- End N, Schöning K-U (2004) Immobilized Biocatalysts in Industrial Research and Production. *242*: 273–317
- Epping JD, see Eckert H (2005) *246*: 195–233
- Esumi K (2003) Dendrimers for Nanoparticle Synthesis and Dispersion Stabilization. *227*: 31–52
- Falber A, see Drain CM (2005) *245*: 55–88
- Famulok M, Jenne A (1999) Catalysis Based on Nucleic Acid Structures. *202*: 101–131
- Fechter MH, see de Raadt A (2001) *215*: 327–345
- Fernandez C, see Rocha J (2005) *246*: 141–194
- Ferrier RJ (2001) Substitution-with-Allylic-Rearrangement Reactions of Glycol Derivatives. *215*: 153–175
- Ferrier RJ (2001) Direct Conversion of 5,6-Unsaturated Hexopyranosyl Compounds to Functionalized Glycohexanones. *215*: 277–291
- Förster S (2003) Amphiphilic Block Copolymers for Templating Applications. *226*: 1–28
- Frey H, Schlenk C (2000) Silicon-Based Dendrimers. *210*: 69–129
- Friščić T, see MacGillivray LR (2005) *248*: 201–221
- Frullano L, Rohovec J, Peters JA, Geraldes CFGC (2002) Structures of MRI Contrast Agents in Solution. *221*: 25–60
- Fugami K, Kosugi M (2002) Organotin Compounds. *219*: 87–130
- Fuhrhop J-H, see Li G (2002) *218*: 133–158
- Furukawa N, Sato S (1999) New Aspects of Hypervalent Organosulfur Compounds. *205*: 89–129
- Gabriel J-C P, Davidson P (2003) Mineral Liquid Crystals from Self-Assembly of Anisotropic Nanosystems. *226*: 119–172
- Gamelin DR, Güdel HU (2001) Upconversion Processes in Transition Metal and Rare Earth Metal Systems. *214*: 1–56
- Ganachaud F, see Elaissari A (2003) *227*: 169–193
- García R, see Tromas C (2002) *218*: 115–132
- García Y, Gütllich P (2004) Thermal Spin Crossover in Mn(II), Mn(III), Cr(II) and Co(III) Coordination Compounds. *234*: 49–62
- García Y, Niel V, Muñoz MC, Real JA (2004) Spin Crossover in 1D, 2D and 3D Polymeric Fe(II) Networks. *233*: 229–257
- Gaspar AB, see Ksenofontov V (2004) *235*: 23–64

- Gaspar AB, see Real JA (2004) 233: 167–193
- Geraldes CFGC, see Frullano L (2002) 221: 25–60
- Gilmore MA, Steward LE, Chamberlin AR (1999) Incorporation of Noncoded Amino Acids by In Vitro Protein Biosynthesis. 202: 77–99
- Glasbeek M (2001) Excited State Spectroscopy and Excited State Dynamics of Rh(III) and Pd(II) Chelates as Studied by Optically Detected Magnetic Resonance Techniques. 213: 95–142
- Glass RS (1999) Sulfur Radical Cations. 205: 1–87
- Gobbi L, see Diederich F (1999) 201: 43–129
- Goiran M, see Bousseksou A (2004) 235: 65–84
- Goldberg I, see Drain CM (2005) 245: 55–88
- Göltner-Spickermann C (2003) Nanocasting of Lyotropic Liquid Crystal Phases for Metals and Ceramics. 226: 29–54
- Goodwin HA (2004) Spin Crossover in Iron(II) Tris(diimine) and Bis(terimine) Systems. 233: 59–90
- Goodwin HA, see Gütlich P (2004) 233: 1–47
- Goodwin HA (2004) Spin Crossover in Cobalt(II) Systems. 234: 23–47
- Goux-Capes L, see Létard J-F (2004) 235: 221–249
- Gouzy M-F, see Li G (2002) 218: 133–158
- Grandjean F, see Long GJ (2004) 233: 91–122
- Gries H (2002) Extracellular MRI Contrast Agents Based on Gadolinium. 221: 1–24
- Grimsdale AC, see Bauer RE (2005) 245: 253–286
- Gruber C, see Tovar GEM (2003) 227: 125–144
- Grunert MC, see Linert W (2004) 235: 105–136
- Gudat D (2003): Zwitterionic Phospholide Derivatives – New Ambiphilic Ligands. 232: 175–212
- Guionneau P, Marchivie M, Bravic G, Létard J-F, Chasseau D (2004) Structural Aspects of Spin Crossover. Example of the $[\text{Fe}^{\text{II}}\text{L}_n(\text{NCS})_2]$ Complexes. 234: 97–128
- Güdel HU, see Gamelin DR (2001) 214: 1–56
- Gütlich P, Goodwin HA (2004) Spin Crossover – An Overall Perspective. 233: 1–47
- Gütlich P (2004) Nuclear Decay Induced Excited Spin State Trapping (NIESST). 234: 231–260
- Gütlich P, see Garcia Y (2004) 234: 49–62
- Gütlich P, see Ksenofontov V (2004) 235: 23–64
- Gütlich P, see Kusz J (2004) 234: 129–153
- Gütlich P, see Real JA (2004) 233: 167–193
- Guga P, Okruszek A, Stec WJ (2002) Recent Advances in Stereocontrolled Synthesis of P-Chiral Analogues of Biophosphates. 220: 169–200
- Guionneau P, see Létard J-F (2004) 235: 221–249
- Gulea M, Masson S (2003) Recent Advances in the Chemistry of Difunctionalized Organo-Phosphorus and -Sulfur Compounds. 229: 161–198
- Haag R, Roller S (2004) Polymeric Supports for the Immobilisation of Catalysts. 242: 1–42
- Hackmann-Schlichter N, see Krause W (2000) 210: 261–308
- Hadjiaraoglou LP, see de Meijere A (2000) 207: 149–227
- Häger M, Currie F, Holmberg K (2003) Organic Reactions in Microemulsions. 227: 53–74
- Häusler H, Stütz AE (2001) d-Xylose (d-Glucose) Isomerase and Related Enzymes in Carbohydrate Synthesis. 215: 77–114
- Haley MM, Pak JJ, Brand SC (1999) Macrocyclic Oligo(phenylacetylenes) and Oligo(phenyldiacetylenes). 201: 81–129
- Hamilton TD, see MacGillivray LR (2005) 248: 201–221
- Harada A, see Yamaguchi H (2003) 228: 237–258

- Hartmann T, Ober D (2000) Biosynthesis and Metabolism of Pyrrolizidine Alkaloids in Plants and Specialized Insect Herbivores. *209*: 207–243
- Haseley SR, Kamerling JP, Vliegenthart JFG (2002) Unravelling Carbohydrate Interactions with Biosensors Using Surface Plasmon Resonance (SPR) Detection. *218*: 93–114
- Hassner A, see Namboothiri INN (2001) *216*: 1–49
- Hauser A (2004) Ligand Field Theoretical Considerations. *233*: 49–58
- Hauser A (2004) Light-Induced Spin Crossover and the High-Spin/Low-Spin Relaxation. *234*: 155–198
- Hawker CJ, see Wooley KL (2005) *245*: 287–305
- Hecht S, see Balbo Block MA (2005) *245*: 89–150
- Heckrodt TJ, Mulzer J (2005) Marine Natural Products from *Pseudopterogorgia Elisabethae*: Structures, Biosynthesis, Pharmacology and Total Synthesis. *244*: 1–41
- Heinmaa I, see Samoson A (2005) *246*: 15–31
- Helm L, see Tóth E (2002) *221*: 61–101
- Hemscheidt T (2000) Tropane and Related Alkaloids. *209*: 175–206
- Hendrickson DN, Pierpont CG (2004) Valence Tautomeric Transition Metal Complexes. *234*: 63–95
- Hendrickson DN, see Brady C (2004) *235*: 1–22
- Hennel JW, Klinowski J (2005) Magic-Angle Spinning: a Historical Perspective. *246*: 1–14
- Hentze H-P, Co CC, McKelvey CA, Kaler EW (2003) Templating Vesicles, Microemulsions and Lyotropic Mesophases by Organic Polymerization Processes. *226*: 197–223
- Hergenrother PJ, Martin SF (2000) Phosphatidylcholine-Preferring Phospholipase C from *B. cereus*. Function, Structure, and Mechanism. *211*: 131–167
- Hermann C, see Kuhlmann J (2000) *211*: 61–116
- Heydt H (2003) The Fascinating Chemistry of Triphosphabenzenes and Valence Isomers. *223*: 215–249
- Hirsch A, Vostrowsky O (2001) Dendrimers with Carbon Rich-Cores. *217*: 51–93
- Hirsch A, Vostrowsky O (2005) Functionalization of Carbon Nanotubes. *245*: 193–237
- Hiyama T, Shirakawa E (2002) Organosilicon Compounds. *219*: 61–85
- Holmberg K, see Häger M (2003) *227*: 53–74
- Horn J, Michalek F, Tzschucke CC, Bannwarth W (2004) Non-Covalently Solid-Phase Bound Catalysts for Organic Synthesis. *242*: 43–75
- Houseman BT, Mrksich M (2002) Model Systems for Studying Polyvalent Carbohydrate Binding Interactions. *218*: 1–44
- Hricovinová Z, see Petruš L (2001) *215*: 15–41
- Idee J-M, Tichkowsky I, Port M, Petta M, Le Lem G, Le Greneur S, Meyer D, Corot C (2002) Iodinated Contrast Media: from Non-Specific to Blood-Pool Agents. *222*: 151–171
- Igau A, see Majoral J-P (2002) *220*: 53–77
- Ikeda Y, see Takagi Y (2003) *232*: 213–251
- Imamoto T, see Crépy KVL (2003) *229*: 1–40
- Inomata S-I, see Ando T (2004) *239*: 51–96
- Ivanov AV, Antzutkin ON (2005) Natural Abundance ¹⁵N and ¹³C CP/MAS NMR of Diallyldithio-carbamate Compounds with Ni(II) and Zn(II). *246*: 271–337
- Iwaoka M, Tomoda S (2000) Nucleophilic Selenium. *208*: 55–80
- Iwasawa N, Narasaka K (2000) Transition Metal Promoted Ring Expansion of Alkynyl and Propadienylcyclopropanes. *207*: 69–88
- Imperiali B, McDonnell KA, Shogren-Knaak M (1999) Design and Construction of Novel Peptides and Proteins by Tailored Incorporation of Coenzyme Functionality. *202*: 1–38
- Ito S, see Yoshifuji M (2003) *223*: 67–89
- Jacques V, Desreux JF (2002) New Classes of MRI Contrast Agents. *221*: 123–164
- Jahr HC, see Dötz KH (2005) *248*: 63–103

- James TD, Shinkai S (2002) Artificial Receptors as Chemosensors for Carbohydrates. *218*: 159–200
- Janssen AJH, see Kleinjan WE (2003) *230*: 167–188
- Janssen M, see Eckert H (2005) *246*: 195–233
- Jas G, see Kirschning A (2004) *242*: 208–239
- Jenne A, see Famulok M (1999) *202*: 101–131
- Johnson BP, see Balazs G (2003) *232*: 1–23
- Jung JH, Shinkai S (2005) Gels as Templates for Nanotubes. *248*: 223–260
- Junker T, see Trauger SA (2003) *225*: 257–274
- Jurenka R (2004) Insect Pheromone Biosynthesis. *239*: 97–132
- Kaiser C, see Balbo Block MA (2005) *245*: 89–150
- Kaler EW, see Hentze H-P (2003) *226*: 197–223
- Kalesse M (2005) Recent Advances in Vinylogous Aldol Reactions and their Applications in the Syntheses of Natural Products. *244*: 43–76
- Kalsani V, see Schmittel M (2005) *245*: 1–53
- Kalwei M, see Eckert H (2005) *246*: 195–233
- Kamerling JP, see Haseley SR (2002) *218*: 93–114
- Kappe CO, see Desai B (2004) *242*: 177–208
- Kashemirov BA, see Mc Kenna CE (2002) *220*: 201–238
- Kato S, see Murai T (2000) *208*: 177–199
- Katti KV, Pillarsetty N, Raghuraman K (2003) New Vistas in Chemistry and Applications of Primary Phosphines. *229*: 121–141
- Kawa M (2003) Antenna Effects of Aromatic Dendrons and Their Luminescence Applications. *228*: 193–204
- Kazmierski S, see Potrzebowski M J (2005) *246*: 91–140
- Kee TP, Nixon TD (2003) The Asymmetric Phospho-Aldol Reaction. Past, Present, and Future. *223*: 45–65
- Keeling CI, Plettner E, Slessor KN (2004) Hymenopteran Semiochemicals. *239*: 133–177
- Kepert CJ, see Murray KS (2004) *233*: 195–228
- Khan A, see Balbo Block MA (2005) *245*: 89–150
- Khlebnikov AF, see de Meijere A (2000) *207*: 89–147
- Kim K, see Lee JW (2003) *228*: 111–140
- Kirschning A, Jas G (2004) Applications of Immobilized Catalysts in Continuous Flow Processes. *242*: 208–239
- Kirtman B (1999) Local Space Approximation Methods for Correlated Electronic Structure Calculations in Large Delocalized Systems that are Locally Perturbed. *203*: 147–166
- Kita Y, see Tohma H (2003) *224*: 209–248
- Kleij AW, see Kreiter R (2001) *217*: 163–199
- Klein Gebbink RJM, see Kreiter R (2001) *217*: 163–199
- Kleinjan WE, de Keizer A, Janssen AJH (2003) Biologically Produced Sulfur. *230*: 167–188
- Klibanov AL (2002) Ultrasound Contrast Agents: Development of the Field and Current Status. *222*: 73–106
- Klinowski J, see Hennel JW (2005) *246*: 1–14
- Klopper W, Kutzelnigg W, Müller H, Noga J, Vogtner S (1999) Extremal Electron Pairs – Application to Electron Correlation, Especially the R12 Method. *203*: 21–42
- Knochel P, see Betzemeier B (1999) *206*: 61–78
- Knoelker H-J (2005) Occurrence, Biological Activity, and Convergent Organometallic Synthesis of Carbazole Alkaloids. *244*: 115–148
- Kolodziejewski W (2005) Solid-State NMR Studies of Bone. *246*: 235–270
- Koser GF (2003) C-Heteroatom-Bond Forming Reactions. *224*: 137–172
- Koser GF (2003) Heteroatom-Heteroatom-Bond Forming Reactions. *224*: 173–183

- Kosugi M, see Fugami K (2002) 219: 87–130
- Koudriavtsev AB, see Linert W (2004) 235: 105–136
- Kozhushkov SI, see de Meijere A (1999) 201: 1–42
- Kozhushkov SI, see de Meijere A (2000) 207: 89–147
- Kozhushkov SI, see de Meijere A (2000) 207: 149–227
- Krause W (2002) Liver-Specific X-Ray Contrast Agents. 222: 173–200
- Krause W, Hackmann-Schlichter N, Maier FK, Mller R (2000) Dendrimers in Diagnostics. 210: 261–308
- Krause W, Schneider PW (2002) Chemistry of X-Ray Contrast Agents. 222: 107–150
- Kräuter I, see Tovar GEM (2003) 227: 125–144
- Kreiter R, Kleij AW, Klein Gebbink RJM, van Koten G (2001) Dendritic Catalysts. 217: 163–199
- Krossing I (2003) Homoatomic Sulfur Cations. 230: 135–152
- Ksenofontov V, Gaspar AB, Gütlich P (2004) Pressure Effect Studies on Spin Crossover and Valence Tautomeric Systems. 235: 23–64
- Ksenofontov V, see Real JA (2004) 233: 167–193
- Kuhlmann J, Herrmann C (2000) Biophysical Characterization of the Ras Protein. 211: 61–116
- Kunkely H, see Vogler A (2001) 213: 143–182
- Kusz J, Gütlich P, Spiering H (2004) Structural Investigations of Tetrazole Complexes of Iron(II). 234: 129–153
- Kutzelnigg W, see Klopffer W (1999) 203: 21–42
- Lammertsma K (2003) Phosphinidenes. 229: 95–119
- Landfester K (2003) Miniemulsions for Nanoparticle Synthesis. 227: 75–123
- Lasne M-C, Perrio C, Rouden J, Barré L, Roeda D, Dolle F, Crouzel C (2002) Chemistry of *b*⁺-Emitting Compounds Based on Fluorine-18. 222: 201–258
- Lawless LJ, see Zimmermann SC (2001) 217: 95–120
- Leal-Calderon F, see Schmitt V (2003) 227: 195–215
- Lee JW, Kim K (2003) Rotaxane Dendrimers. 228: 111–140
- Le Bideau, see Vioux A (2003) 232: 145–174
- Le Greneur S, see Idee J-M (2002) 222: 151–171
- Le Lem G, see Idee J-M (2002) 222: 151–171
- Leclercq D, see Vioux A (2003) 232: 145–174
- Leitner W (1999) Reactions in Supercritical Carbon Dioxide (scCO₂). 206: 107–132
- Lemon III BI, see Crooks RM (2001) 212: 81–135
- Leung C-F, see Chow H-F (2001) 217: 1–50
- Létard J-F, Guionneau P, Goux-Capes L (2004) Towards Spin Crossover Applications. 235: 221–249
- Létard J-F, see Guionneau P (2004) 234: 97–128
- Levitzi A (2000) Protein Tyrosine Kinase Inhibitors as Therapeutic Agents. 211: 1–15
- Li G, Gouzy M-F, Fuhrhop J-H (2002) Recognition Processes with Amphiphilic Carbohydrates in Water. 218: 133–158
- Li J, see Bergbreiter DE (2004) 242: 113–176
- Li X, see Paldus J (1999) 203: 1–20
- Licha K (2002) Contrast Agents for Optical Imaging. 222: 1–29
- Likos CN, Ballauff M (2005) Equilibrium Structure of Dendrimers – Results and Open Questions. 245: 239–252
- Linarès J, see Varret F (2004) 234: 199–229
- Linclau B, see Maul JJ (1999) 206: 79–105
- Lindhorst TK (2002) Artificial Multivalent Sugar Ligands to Understand and Manipulate Carbohydrate-Protein Interactions. 218: 201–235

- Lindhorst TK, see Röckendorf N (2001) 217: 201–238
- Linert W, Grunert MC, Koudriavtsev AB (2004) Isokegetic and Isoequilibrium Relationships in Spin Crossover Systems. 235: 105–136
- Liu S, Edwards DS (2002) Fundamentals of Receptor-Based Diagnostic Metalloradio-pharmaceuticals. 222: 259–278
- Liz-Marzán L, see Mulvaney P (2003) 226: 225–246
- Long GJ, Grandjean F, Reger DL (2004) Spin Crossover in Pyrazolylborate and Pyrazolyl-methane. 233: 91–122
- Loudet JC, Poulin P (2003) Monodisperse Aligned Emulsions from Demixing in Bulk Liquid Crystals. 226: 173–196
- Lubineau A, Augé J (1999) Water as Solvent in Organic Synthesis. 206: 1–39
- Lundt I, Madsen R (2001) Synthetically Useful Base Induced Rearrangements of Aldono-lactones. 215: 177–191
- Loupy A (1999) Solvent-Free Reactions. 206: 153–207
- MacGillivray LR, Papaefstathiou GS, Frišćić T, Varshney DB, Hamilton TD (2005) Template-Controlled Synthesis in the Solid State. 248: 201–221
- Madhu PK, see Vinogradov E (2005) 246: 33–90
- Madsen R, see Lundt I (2001) 215: 177–191
- Maestri M, see Balzani V (2003) 228: 159–191
- Maier FK, see Krause W (2000) 210: 261–308
- Majoral J-P, Caminade A-M (2003) What to do with Phosphorus in Dendrimer Chemistry. 223: 111–159
- Majoral J-P, Igau A, Cadierno V, Zablocka M (2002) Benzyne-Zirconocene Reagents as Tools in Phosphorus Chemistry. 220: 53–77
- Manners I (2002), see McWilliams AR (2002) 220: 141–167
- March NH (1999) Localization via Density Functionals. 203: 201–230
- Marchivie M, see Guionneau P (2004) 234: 97–128
- Martin SF, see Hergenrother PJ (2000) 211: 131–167
- Mashiko S, see Yokoyama S (2003) 228: 205–226
- Masson S, see Gulea M (2003) 229: 161–198
- Mathey F, see Carmichael D (2002) 220: 27–51
- Maul JJ, Ostrowski PJ, Ublacker GA, Linclau B, Curran DP (1999) Benzotrifluoride and Derivates: Useful Solvents for Organic Synthesis and Fluorous Synthesis. 206: 79–105
- McCusker JK, see Brady C (2004) 235: 1–22
- McDonnell KA, see Imperiali B (1999) 202: 1–38
- McGarvey JJ, see Brady C (2004) 235: 1–22
- McGarvey JJ, see Toftlund H (2004) 233: 151–166
- McGarvey JJ, see Tuchagues J-P (2004) 235: 85–103
- McKelvey CA, see Hentze H-P (2003) 226: 197–223
- McKenna CE, Kashemirov BA (2002) Recent Progress in Carbonylphosphonate Chemistry. 220: 201–238
- McWilliams AR, Dorn H, Manners I (2002) New Inorganic Polymers Containing Phos-phorus. 220: 141–167
- Meijer EW, see Baars MWPL (2000) 210: 131–182
- Merbach AE, see Tóth E (2002) 221: 61–101
- Metz P (2005) Synthetic Studies on the Pamamycin Macrodiolides. 244: 215–249
- Metzner P (1999) Thiocarbonyl Compounds as Specific Tools for Organic Synthesis. 204: 127–181
- Meyer D, see Idee J-M (2002) 222: 151–171
- Mezey PG (1999) Local Electron Densities and Functional Groups in Quantum Chemistry. 203: 167–186

- Michalek F, see Horn J (2004) 242: 43–75
- Michalski J, Dabkowski W (2003) State of the Art. Chemical Synthesis of Biophosphates and Their Analogues via PIII Derivatives. 232: 93–144
- Mikołajczyk M, Balczewski P (2003) Phosphonate Chemistry and Reagents in the Synthesis of Biologically Active and Natural Products. 223: 161–214
- Mikołajczyk M, see Drabowicz J (2000) 208: 143–176
- Miura M, Nomura M (2002) Direct Arylation via Cleavage of Activated and Unactivated C-H Bonds. 219: 211–241
- Miyaura N (2002) Organoboron Compounds. 219: 11–59
- Miyaura N, see Tamao K (2002) 219: 1–9
- Möller M, see Sheiko SS (2001) 212: 137–175
- Molnár G, see Tuchagues J-P (2004) 235: 85–103
- Morais CM, see Rocha J (2005) 246: 141–194
- Morales JC, see Rojo J (2002) 218: 45–92
- Mori H, Mller A (2003) Hyperbranched (Meth)acrylates in Solution, in the Melt, and Grafted From Surfaces. 228: 1–37
- Mori K (2004) Pheromone Synthesis. 239: 1–50
- Mrksich M, see Houseman BT (2002) 218: 1–44
- Muci AR, Buchwald SL (2002) Practical Palladium Catalysts for C-N and C-O Bond Formation. 219: 131–209
- Müllen K, see Wiesler U-M (2001) 212: 1–40
- Müllen K, see Bauer RE (2005) 245: 253–286
- Müller A, see Mori H (2003) 228: 1–37
- Müller G (2000) Peptidomimetic SH2 Domain Antagonists for Targeting Signal Transduction. 211: 17–59
- Müller H, see Klopfer W (1999) 203: 21–42
- Müller R, see Krause W (2000) 210: 261–308
- Mulvaney P, Liz-Marzán L (2003) Rational Material Design Using Au Core-Shell Nanocrystals. 226: 225–246
- Mulzer J, see Heckrodt TJ (2005) 244: 1–41
- Muñoz MC, see Real, JA (2004) 233: 167–193
- Muñoz MC, see Garcia Y (2004) 233: 229–257
- Murai T, Kato S (2000) Selenocarbonyls. 208: 177–199
- Murray KS, Kepert CJ (2004) Cooperativity in Spin Crossover Systems: Memory, Magnetism and Microporosity. 233: 195–228
- Muscat D, van Benthem RATM (2001) Hyperbranched Polyesteramides – New Dendritic Polymers. 212: 41–80
- Mutin PH, see Vioux A (2003) 232: 145–174
- Naka K (2003) Effect of Dendrimers on the Crystallization of Calcium Carbonate in Aqueous Solution. 228: 141–158
- Nakahama T, see Yokoyama S (2003) 228: 205–226
- Nakayama J, Sugihara Y (1999) Chemistry of Thiophene 1,1-Dioxides. 205: 131–195
- Namboothiri INN, Hassner A (2001) Stereoselective Intramolecular 1,3-Dipolar Cycloadditions. 216: 1–49
- Narasaka K, see Iwasawa N (2000) 207: 69–88
- Narayana C, see Rao CNR (2004) 234: 1–21
- Niel V, see Garcia Y (2004) 233: 229–257
- Nierengarten J-F (2003) Fullerodendrimers: Fullerene-Containing Macromolecules with Intriguing Properties. 228: 87–110
- Nishibayashi Y, Uemura S (2000) Selenoxide Elimination and [2,3] Sigmatropic Rearrangements. 208: 201–233

- Nishibayashi Y, Uemura S (2000) Selenium Compounds as Ligands and Catalysts. *208*: 235–255
- Nixon TD, see Kee TP (2003) *223*: 45–65
- Noga J, see Klopper W (1999) *203*: 21–42
- Nomura M, see Miura M (2002) *219*: 211–241
- Nubbemeyer U (2001) Synthesis of Medium-Sized Ring Lactams. *216*: 125–196
- Nubbemeyer U (2005) Recent Advances in Charge-Accelerated Aza-Claisen Rearrangements. *244*: 149–213
- Nummelin S, Skrifvars M, Rissanen K (2000) Polyester and Ester Functionalized Dendrimers. *210*: 1–67
- Ober D, see Hemscheidt T (2000) *209*: 175–206
- Ochiai M (2003) Reactivities, Properties and Structures. *224*: 5–68
- Okazaki R, see Takeda N (2003) *231*: 153–202
- Okruszek A, see Guga P (2002) *220*: 169–200
- Okuno Y, see Yokoyama S (2003) *228*: 205–226
- Onitsuka K, Takahashi S (2003) Metallodendrimers Composed of Organometallic Building Blocks. *228*: 39–63
- Osanai S (2001) Nickel (II) Catalyzed Rearrangements of Free Sugars. *215*: 43–76
- Ostrowski PJ, see Maul JJ (1999) *206*: 79–105
- Otomo A, see Yokoyama S (2003) *228*: 205–226
- Pak JJ, see Haley MM (1999) *201*: 81–129
- Paldus J, Li X (1999) Electron Correlation in Small Molecules: Grafting CI onto CC. *203*: 1–20
- Paleos CM, Tsiourvas D (2003) Molecular Recognition and Hydrogen-Bonded Amphiphilics. *227*: 1–29
- Papaefstathiou GS, see MacGillivray LR (2005) *248*: 201–221
- Past J, see Samoson A (2005) *246*: 15–31
- Paulmier C, see Ponthieux S (2000) *208*: 113–142
- Paulsen H, Trautwein AX (2004) Density Functional Theory Calculations for Spin Crossover Complexes. *235*: 197–219
- Penadés S, see Rojo J (2002) *218*: 45–92
- Perrio C, see Lasne M-C (2002) *222*: 201–258
- Peruzzini M, see Ehses M (2002) *220*: 107–140
- Peters JA, see Frullano L (2002) *221*: 25–60
- Petrie S, Bohme DK (2003) Mass Spectrometric Approaches to Interstellar Chemistry. *225*: 35–73
- Petruš L, Petrušov M, Hricoviniová (2001) The Blik Reaction. *215*: 15–41
- Petrušová M, see Petruš L (2001) *215*: 15–41
- Petta M, see Idee J-M (2002) *222*: 151–171
- Pichot C, see Elaissari A (2003) *227*: 169–193
- Pierpont CG, see Hendrickson DN (2004) *234*: 63–95
- Pillarsetty N, see Katti KV (2003) *229*: 121–141
- Pipek J, Bogár F (1999) Many-Body Perturbation Theory with Localized Orbitals – Kapuy's Approach. *203*: 43–61
- Plattner DA (2003) Metalorganic Chemistry in the Gas Phase: Insight into Catalysis. *225*: 149–199
- Plettner E, see Keeling CI (2004) *239*: 133–177
- Pohnert G (2004) Chemical Defense Strategies of Marine. *239*: 179–219
- Ponthieux S, Paulmier C (2000) Selenium-Stabilized Carbanions. *208*: 113–142
- Port M, see Idee J-M (2002) *222*: 151–171
- Potrzebowski MJ, Kazmierski S (2005) High-Resolution Solid-State NMR Studies of Inclusion Complexes. *246*: 91–140
- Poulin P, see Loudet JC (2003) *226*: 173–196

- Raghuraman K, see Katti KV (2003) 229: 121–141
- Raimondi M, Cooper DL (1999) Ab Initio Modern Valence Bond Theory. 203: 105–120
- Rao CNR, Seikh MM, Narayana C (2004) Spin-State Transition in LaCo₃ and Related Materials. 234: 1–21
- Real JA, Gaspar AB, Muñoz MC, Gütllich P, Ksenofontov V, Spiering H (2004) Bipyrimidine-Bridged Dinuclear Iron(II) Spin Crossover Compounds. 233: 167–193
- Real JA, see Garcia Y (2004) 233: 229–257
- Reger DL, see Long GJ (2004) 233: 91–122
- Reinhold A, see Samoson A (2005) 246: 15–31
- Reinhoudt DN, see van Manen H-J (2001) 217: 121–162
- Renaud P (2000) Radical Reactions Using Selenium Precursors. 208: 81–112
- Richardson N, see Schwert DD (2002) 221: 165–200
- Rigaut S, see Astruc D (2000) 210: 229–259
- Riley MJ (2001) Geometric and Electronic Information From the Spectroscopy of Six-Coordinate Copper(II) Compounds. 214: 57–80
- Rissanen K, see Nummelin S (2000) 210: 1–67
- Rocha J, Morais CM, Fernandez C (2005) Progress in Multiple-Quantum Magic-Angle Spinning NMR Spectroscopy 246: 141–194
- Röckendorf N, Lindhorst TK (2001) Glycodendrimers. 217: 201–238
- Roeda D, see Lasne M-C (2002) 222: 201–258
- Røeggen I (1999) Extended Geminal Models. 203: 89–103
- Rohovec J, see Frullano L (2002) 221: 25–60
- Rojo J, Morales JC, Penads S (2002) Carbohydrate-Carbohydrate Interactions in Biological and Model Systems. 218: 45–92
- Roller S, see Haag R (2004) 242: 1–42
- Romerosa A, see Ehses M (2002) 220: 107–140
- Rouden J, see Lasne M-C (2002) 222: 201–258
- Ruano JLG, de la Plata BC (1999) Asymmetric [4+2] Cycloadditions Mediated by Sulfoxides. 204: 1–126
- Ruiz J, see Astruc D (2000) 210: 229–259
- Rychnovsky SD, see Sinz CJ (2001) 216: 51–92
- Salaün J (2000) Cyclopropane Derivates and their Diverse Biological Activities. 207: 1–67
- Samoson A, Tuherm T, Past J, Reinhold A, Anupöld T, Heinmaa I (2005) New Horizons for Magic-Angle Spinning NMR. 246: 15–31
- Sanz-Cervera JF, see Williams RM (2000) 209: 97–173
- Sartor V, see Astruc D (2000) 210: 229–259
- Sato S, see Furukawa N (1999) 205: 89–129
- Saudan C, see Balzani V (2003) 228: 159–191
- Schalley CA, Weilandt T, Brüggemann J, Vögtle F (2005) Hydrogen-Bond-Mediated Template Synthesis of Rotaxanes, Catenanes, and Knotanes. 248: 141–200
- Scheer M, see Balazs G (2003) 232: 1–23
- Scherf U (1999) Oligo- and Polyarylenes, Oligo- and Polyarylenevinylens. 201: 163–222
- Schlenk C, see Frey H (2000) 210: 69–129
- Schlüter AD (2005) A Covalent Chemistry Approach to Giant Macromolecules with Cylindrical Shape and an Engineerable Interior and Surface. 245: 151–191
- Schmitt V, Leal-Calderon F, Bibette J (2003) Preparation of Monodisperse Particles and Emulsions by Controlled Shear. 227: 195–215
- Schmittl M, Kalsani V (2005) Functional, Discrete, Nanoscale Supramolecular Assemblies. 245: 1–53
- Schoeller WW (2003) Donor-Acceptor Complexes of Low-Coordinated Cationic p-Bonded Phosphorus Systems. 229: 75–94

- Schöning K-U, see End N (2004) 242: 241–271
Schöning K-U, see End N (2004) 242: 273–317
Schröder D, Schwarz H (2003) Diastereoselective Effects in Gas-Phase Ion Chemistry. 225: 129–148
Schwarz H, see Schröder D (2003) 225: 129–148
Schwert DD, Davies JA, Richardson N (2002) Non-Gadolinium-Based MRI Contrast Agents. 221: 165–200
Seikh MM, see Rao CNR (2004) 234: 1–21
Sergeyev S, see Thilgen C (2005) 248: 1–61
Sheiko SS, Möller M (2001) Hyperbranched Macromolecules: Soft Particles with Adjustable Shape and Capability to Persistent Motion. 212: 137–175
Shen B (2000) The Biosynthesis of Aromatic Polyketides. 209: 1–51
Shinkai S, see James TD (2002) 218: 159–200
Shinkai S, see Jung JH (2005) 248: 223–260
Shirakawa E, see Hiyama T (2002) 219: 61–85
Shogren-Knaak M, see Imperiali B (1999) 202: 1–38
Sinou D (1999) Metal Catalysis in Water. 206: 41–59
Sinz CJ, Rychnovsky SD (2001) 4-Acetoxy- and 4-Cyano-1,3-dioxanes in Synthesis. 216: 51–92
Siuzdak G, see Trauger SA (2003) 225: 257–274
Skrifvars M, see Nummelin S (2000) 210: 1–67
Slessor KN, see Keeling CI (2004) 239: 133–177
Smith DK, Diederich F (2000) Supramolecular Dendrimer Chemistry – A Journey Through the Branched Architecture. 210: 183–227
Sorai M (2004) Heat Capacity Studies of Spin Crossover Systems. 235: 153–170
Sour A, see Boillot M-L (2004) 234: 261–276
Spiering H (2004) Elastic Interaction in Spin-Crossover Compounds. 235: 171–195
Spiering H, see Real JA (2004) 233: 167–193
Spiering H, see Kusz J (2004) 234: 129–153
Stec WJ, see Guga P (2002) 220: 169–200
Stedel R (2003) Aqueous Sulfur Sols. 230: 153–166
Stedel R (2003) Liquid Sulfur. 230: 80–116
Stedel R (2003) Inorganic Polysulfanes H_2S_n with $n > 1$. 231: 99–125
Stedel R (2003) Inorganic Polysulfides S_n^{2-} and Radical Anions $S_n^{\cdot -}$. 231: 127–152
Stedel R (2003) Sulfur-Rich Oxides S_nO and S_nO_2 . 231: 203–230
Stedel R, Eckert B (2003) Solid Sulfur Allotropes. 230: 1–79
Stedel R, see Eckert B (2003) 231: 31–97
Stedel R, Stedel Y, Wong MW (2003) Speciation and Thermodynamics of Sulfur Vapor. 230: 117–134
Stedel Y, see Stedel R (2003) 230: 117–134
Steward LE, see Gilmore MA (1999) 202: 77–99
Stocking EM, see Williams RM (2000) 209: 97–173
Streubel R (2003) Transient Nitrilium Phosphanylid Complexes: New Versatile Building Blocks in Phosphorus Chemistry. 223: 91–109
Strojek W, see Eckert H (2005) 246: 195–233
Stütz AE, see Häusler H (2001) 215: 77–114
Sugihara Y, see Nakayama J (1999) 205: 131–195
Sugiura K (2003) An Adventure in Macromolecular Chemistry Based on the Achievements of Dendrimer Science: Molecular Design, Synthesis, and Some Basic Properties of Cyclic Porphyrin Oligomers to Create a Functional Nano-Sized Space. 228: 65–85
Sun J-Q, Bartlett RJ (1999) Modern Correlation Theories for Extended, Periodic Systems. 203: 121–145

- Sun L, see Crooks RM (2001) 212: 81–135
- Surjñá PR (1999) An Introduction to the Theory of Geminals. 203: 63–88
- Sylvain I, see Drain CM (2005) 245: 55–88
- Taillefer M, Cristau H-J (2003) New Trends in Ylide Chemistry. 229: 41–73
- Taira K, see Takagi Y (2003) 232: 213–251
- Takagi Y, Ikeda Y, Taira K (2003) Ribozyme Mechanisms. 232: 213–251
- Takahashi S, see Onitsuka K (2003) 228: 39–63
- Takeda N, Tokitoh N, Okazaki R (2003) Polysulfido Complexes of Main Group and Transition Metals. 231: 153–202
- Tamao K, Miyaura N (2002) Introduction to Cross-Coupling Reactions. 219: 1–9
- Tanaka M (2003) Homogeneous Catalysis for H-P Bond Addition Reactions. 232: 25–54
- ten Holte P, see Zwanenburg B (2001) 216: 93–124
- Thiem J, see Werschkun B (2001) 215: 293–325
- Thilgen C, Sergeev S, Diederich F (2005) Spacer-Controlled Multiple Functionalization of Fullerenes. 248: 1–61
- Thutewohl M, see Waldmann H (2000) 211: 117–130
- Tichkowsky I, see Idee J-M (2002) 222: 151–171
- Tiecco M (2000) Electrophilic Selenium, Selenocyclizations. 208: 7–54
- Tietze M, see Beifuss U (2005) 244: 77–113
- Toftlund H, McGarvey JJ (2004) Iron(II) Spin Crossover Systems with Multidentate Ligands. 233: 151–166
- Toftlund H, see Brady C (2004) 235: 1–22
- Tohma H, Kita Y (2003) Synthetic Applications (Total Synthesis and Natural Product Synthesis). 224: 209–248
- Tokitoh N, see Takeda N (2003) 231: 153–202
- Tomoda S, see Iwaoka M (2000) 208: 55–80
- Tóth E, Helm L, Merbach AE (2002) Relaxivity of MRI Contrast Agents. 221: 61–101
- Tovar GEM, Kruter I, Gruber C (2003) Molecularly Imprinted Polymer Nanospheres as Fully Affinity Receptors. 227: 125–144
- Trauger SA, Junker T, Siuzdak G (2003) Investigating Viral Proteins and Intact Viruses with Mass Spectrometry. 225: 257–274
- Trautwein AX, see Paulsen H (2004) 235: 197–219
- Trautwein AX, see Winkler H (2004) 235: 105–136
- Tromas C, García R (2002) Interaction Forces with Carbohydrates Measured by Atomic Force Microscopy. 218: 115–132
- Tsiourvas D, see Paleos CM (2003) 227: 1–29
- Tuchagues J-P, Bousseksou A, Molnár G, McGarvey JJ, Varret F (2004) The Role of Molecular Vibrations in the Spin Crossover Phenomenon. 235: 85–103
- Tuchagues J-P, see Bousseksou A (2004) 235: 65–84
- Tuherm T, see Samoson A (2005) 246: 15–31
- Turecek F (2003) Transient Intermediates of Chemical Reactions by Neutralization-Reionization Mass Spectrometry. 225: 75–127
- Tzschucke CC, see Horn J (2004) 242: 43–75
- Ublacker GA, see Maul JJ (1999) 206: 79–105
- Uemura S, see Nishibayashi Y (2000) 208: 201–233
- Uemura S, see Nishibayashi Y (2000) 208: 235–255
- Uggerud E (2003) Physical Organic Chemistry of the Gas Phase. Reactivity Trends for Organic Cations. 225: 1–34
- Uozumi Y (2004) Recent Progress in Polymeric Palladium Catalysts for Organic Synthesis. 242: 77–112
- Valdemoro C (1999) Electron Correlation and Reduced Density Matrices. 203: 187–200

- Valrio C, see Astruc D (2000) *210*: 229–259
- van Benthem RATM, see Muscat D (2001) *212*: 41–80
- van Koningsbruggen PJ (2004) Special Classes of Iron(II) Azole Spin Crossover Compounds. *233*: 123–149
- van Koningsbruggen PJ, Maeda Y, Oshio H (2004) Iron(III) Spin Crossover Compounds. *233*: 259–324
- van Koten G, see Kreiter R (2001) *217*: 163–199
- van Manen H-J, van Veggel FCJM, Reinhoudt DN (2001) Non-Covalent Synthesis of Metallo dendrimers. *217*: 121–162
- van Veggel FCJM, see van Manen H-J (2001) *217*: 121–162
- Varret F, Boukheddaden K, Codjovi E, Enachescu C, Linares J (2004) On the Competition Between Relaxation and Photoexcitations in Spin Crossover Solids under Continuous Irradiation. *234*: 199–229
- Varret F, see Bousseksou A (2004) *235*: 65–84
- Varret F, see Tuchagues J-P (2004) *235*: 85–103
- Varshney DB, see MacGillivray LR (2005) *248*: 201–221
- Varvoglis A (2003) Preparation of Hypervalent Iodine Compounds. *224*: 69–98
- Vega S, see Vinogradov E (2005) *246*: 33–90
- Verkade JG (2003) P(RNCH₂CH₂)₃N: Very Strong Non-ionic Bases Useful in Organic Synthesis. *223*: 1–44
- Vicinelli V, see Balzani V (2003) *228*: 159–191
- Vinogradov E, Madhu PK, Vega S (2005) Strategies for High-Resolution Proton Spectroscopy in Solid-State NMR. *246*: 33–90
- Vioux A, Le Bideau J, Mutin PH, Leclercq D (2003): Hybrid Organic-Inorganic Materials Based on Organophosphorus Derivatives. *232*: 145–174
- Vliegenthart JFG, see Haseley SR (2002) *218*: 93–114
- Vogler A, Kunkely H (2001) Luminescent Metal Complexes: Diversity of Excited States. *213*: 143–182
- Vogtner S, see Kloppe W (1999) *203*: 21–42
- Vögtle F, see Schalley CA (2005) *248*: 141–200
- Voigt U, see Eckert H (2005) *246*: 195–233
- Vostrowsky O, see Hirsch A (2001) *217*: 51–93
- Vostrowsky O, see Hirsch A (2005) *245*: 193–237
- Waldmann H, Thutewohl M (2000) Ras-Farnesyltransferase-Inhibitors as Promising Anti-Tumor Drugs. *211*: 117–130
- Wang G-X, see Chow H-F (2001) *217*: 1–50
- Weil T, see Wiesler U-M (2001) *212*: 1–40
- Weilandt T, see Schalley CA (2005) *248*: 141–200
- Wenzel B, see Dötz KH (2005) *248*: 63–103
- Werschkun B, Thiem J (2001) Claisen Rearrangements in Carbohydrate Chemistry. *215*: 293–325
- Wiesler U-M, Weil T, Müllen K (2001) Nanosized Polyphenylene Dendrimers. *212*: 1–40
- Williams RM, Stocking EM, Sanz-Cervera JF (2000) Biosynthesis of Prenylated Alkaloids Derived from Tryptophan. *209*: 97–173
- Winkler H, Chumakov AI, Trautwein AX (2004) Nuclear Resonant Forward and Nuclear Inelastic Scattering Using Synchrotron Radiation for Spin Crossover Systems. *235*: 105–136
- Wirth T (2000) Introduction and General Aspects. *208*: 1–5
- Wirth T (2003) Introduction and General Aspects. *224*: 1–4
- Wirth T (2003) Oxidations and Rearrangements. *224*: 185–208
- Wong MW, see Steudel R (2003) *230*: 117–134

- Wong MW (2003) Quantum-Chemical Calculations of Sulfur-Rich Compounds. *231*: 1–29
- Wooley KL, Hawker CJ (2005) Nanoscale Objects: Perspectives Regarding Methodologies for their Assembly, Covalent Stabilization and Utilization. *245*: 287–305
- Wrodnigg TM, Eder B (2001) The Amadori and Heyns Rearrangements: Landmarks in the History of Carbohydrate Chemistry or Unrecognized Synthetic Opportunities? *215*: 115–175
- Wytenbach T, Bowers MT (2003) Gas-Phase Confirmations: The Ion Mobility/Ion Chromatography Method. *225*: 201–226
- Yamaguchi H, Harada A (2003) Antibody Dendrimers. *228*: 237–258
- Yamamoto M, see Ando T (2004) *239*: 51–96
- Yersin H, Donges D (2001) Low-Lying Electronic States and Photophysical Properties of Organometallic Pd(II) and Pt(II) Compounds. Modern Research Trends Presented in Detailed Case Studies. *214*: 81–186
- Yeung LK, see Crooks RM (2001) *212*: 81–135
- Yokoyama S, Otomo A, Nakahama T, Okuno Y, Mashiko S (2003) Dendrimers for Optoelectronic Applications. *228*: 205–226
- Yoshifuji M, Ito S (2003) Chemistry of Phosphanylidene Carbenoids. *223*: 67–89
- Zablocka M, see Majoral J-P (2002) *220*: 53–77
- Zarembowitch J, see Boillot M-L (2004) *234*: 261–276
- Zhang J, see Chow H-F (2001) *217*: 1–50
- Zhdankin VV (2003) C-C Bond Forming Reactions. *224*: 99–136
- Zhao M, see Crooks RM (2001) *212*: 81–135
- Zimmermann SC, Lawless LJ (2001) Supramolecular Chemistry of Dendrimers. *217*: 95–120
- Zwanenburg B, ten Holte P (2001) The Synthetic Potential of Three-Membered Ring Aza-Heterocycles. *216*: 93–124

Subject Index

- Acetoxypseudopterolide 12
Acetyl amphilectolide 9
Acid fluorides 199
Acyl fluorides 181
Aestivophoenin 99
Aldol, anti 63, 218
–, asymmetric 48
Aldol product, anti 74
Aldol reactions, vinylogous 43, 45, 48
Alkoxide-directed 1,6-addition 223
5-Alkoxy-pent-2-enylstannanes 217
Allene 201
Allenylamine 159
Allyl stannane 234
Allyl vinyl amines 152
Allylation, chelation-controlled 231
Allylic 1,3-strain 224
Amide enolate rearrangement 166
Amphilectane 6
Amphilectolide 9
Amphiphenalone 9
Amphotericin 53
Analgesic activity 19
Anti-inflammatory activity 19
Antimycine 170
Antiplasmodial activity 21
Antituberculosis activity 20
Antitumor activity 120
Appel reaction 27
Archaea 77
N-Arylation, Pd-catalyzed 78
Arylproline 199
Aza-Claisen rearrangements 149
–, thermal 171
Aza-Wittig reaction 209
Azepine 166
Azepinone 170
Azetidione 166
Azocine 166
Azonanones 187
Azonine 155
Azoninone 178
 $B(C_6F_5)_3$ 64, 67
Barton-McCombie deoxygenation 35
Bayer-Villiger oxidation 27
Benthocyanin 98
Benzimidazole 163
p-Benzoquinone 25
Benzoxazole 6
Binaphthol 46
BINOL 177
BOX 201
Bryostatin 72
(Bu_4N) Ph_3SiF_2 52
Buchwald-Hartwig amination 136–139
Callipeltoside 43, 72–75
CAN 31
Canadensolide 209
Cancer 1
Carbamate, vinylogous 201
Carbazole alkaloids 115
Carbazole-1,4-quinones 140–143
Carbazomycin 117, 125–132
Carvone 23
Chan's diene 49, 72–75
Charge acceleration 151
Chromium carbene complex 188
Cinnamaldehyde 49
Claisen rearrangement, allene carbon-ester 174
Clausena 116
CoB-SH 82
Coenzyme F_{420} 82
Colombiasin A 12, 36
Cope rearrangement 150
Coumarin derivative 205

- Cu enolate 53
Cu(OTf)₂ 52
Cumbiane 12
Cumbiasin C 12
Cuprate 70
Curry 116, 117
Cy₂BCL 74
Cyclization, [4+2] 19
–, cationic 21
–, phenylselenenyl-induced 217
Cycloaddition, [2+2] 178
–, [5+2] 19
Cycloreversion 238
Cytotoxicity 20
- DAST 55
Dehydrobromination 203
Deserpidine 175
Dess-Martin oxidation 22, 32
Desulfurization 224
Dieckmann cyclization 23
Diels-Alder cycloaddition 171
Diels-Alder reaction, intramolecular
222, 238
– –, retro 237
Dihydrocanadensolide 194
Dihydroxylation 70
Diphenylamines 106
Diterpenoid metabolites 1
- Einhorn conditions 190
Electron carrier, methanophenazine
84
Elisabethane 9
Elisabethatriene 13, 15
Elisabethol 8
Elisabetholide 9
Elisabetins 8
Elisapterosins 9–11, 29
Enamine 151
Enolate alkylation 23
Epilupinine 179
Epimerization 25, 27
Epoxidation, hydroxyl-directed 234
Esmeraldic acid 95
6-Ethyl-2,2-dimethyldioxinone 47
Evans' aldol reaction 220, 221, 231,
232, 241
Evans' *anti* reduction 227, 237
Evans' auxiliary 26
Evans' exazolidinone 27
- Evans-Metternich 72–74
Evans-Tishchenko 75
- F₄₂₀H₂ 84
F₄₂₀H₂ dehydrogenase 90
Felkin control 64, 69
Felkin-Ahn 32
Fluvirucin A₁ 170
Furfural 55
- Geranylgerane 13
Geranylgeranyl pyrophosphate 13
Glycine 199
Glycosmis 116
Goldberg coupling 136–138
Gorgonians 3
- Halophiles 81
Heathcock *anti* aldol reaction 232
Heterodisulfide reductase 83, 90
HWE reaction 27, 36
Hydroboration 25
Hydrogenase, membrane-bound 90
Hydroxyerogorgiaene 15
- Ileabethane 12
IMDA 21
– cyclization 22, 30, 32, 34, 36
– reaction 25, 27, 30, 38
Iminoketene Claisen rearrangement
206
Immunosuppressant 160
Indolactam 163
Indolizidinones 179
Indomethacin 20
Iodinin 78
Iodocyclization 170
Iodoetherification 227, 228, 240, 242
Iodolactonization 196
Isoiridomyrmecin 169
- Jacobsen's catalyst 223
Jones oxidation 25
- Keck's allylation 220
Ketene 171
Ketene acetals, vinylogous 59
Ketene aza-Claisen rearrangement 191
Ketimines 157
Kowalski's one-carbon homologation
32

- Lactic acid 193
Lewis acids 43, 51
– –, chiral 46
Lipid peroxidation 120
Lung cancer 20
- Macrodiolides 215
Macrolactonization 73
Madang-amine 157
Malaria 21
Malic acid 193
Mannich-type reactions 75
Mannitol 193
Marine metabolites 3
Medicinal plants 116
Methanogenesis 80
Methanogens, hydrogenotrophic 81
Methanophenazine 77, 80, 85
Methanosarcina mazei 77
Methoxycarbonylation 230, 232
Michael reactions, intramolecular 236
Mitsunobu inversion 218, 228, 244
MOM 55
Mosher analysis 188
Mukaiyama, vinylogous 46
Mukaiyama aldol reactions 67
Murraya 116
Mycobacterium tuberculosis 215, 248
Mycomethoxin 79
Mycophenolic acid 160
Myers' hydroxy-amide 31
- Negishi-Reformatsky coupling 27, 29
Neuronal cell protection 120
- Octalactin 56
Octocorals 1
Okaranine 163
Oppolzer aldol reaction 233
Overman rearrangement 154
Oxazole 22
Oxymercuration 230-233
- Pamamycins 215
Paterson aldol reaction 227
Pearlman's catalyst 187
Pelagiomicin 97
Petasinecin 194
Phenazines, active 77, 95
Phenazoviridin 96
Phencomycin 96
- Phenethylamine 169
Phosphine imine 209
Phosphoramidate 62
Photocyclization 165
Pinacol-type ketal rearrangement 29, 30
Polyketide 43, 45
Proline 182, 196
Propargyl amine 159
Prostate cancer 20
Pseudopterogorgia elisabethae 1
Pseudopterosins 7
Pseudopteroxazole 9
Pumiliotoxin 187
PyBox catalyst 72
Pyocyanine 78, 105
Pyrroles 203
Pyruvate 72
- Quinone imine cyclization 128
Quinone monoimide 21
- Remote stereo control 193
Ring expansion 155
Ring strain 165
Roche ester 26, 69
Roush crotylation 243
- Salcomine 30
Sandresolide 13
Santolinolide 209
Saphenic acid 95
Schotten-Baumann conditions 181
Sea plumes 6
Serrulatane 6
SET process 19
SiCl₄ 61
Skytanthine 169
SmI₂ 75
Staudinger reaction 209
Stereotriad 194
Sulfoxide, chiral 239
Sultones 222, 238
Swern oxidation 26, 27
- TBAT 52, 59
Tedanolide 70
Teleocidine 163
Thermophiles 81
Ti-BINOL 47
Tol-BINAP 43, 52, 53, 59
Tol-BINAP-CuF₂ 55

- TPPB 67
Transesterification 227, 236
Tris(pentafluorophenyl)borane 64
Tuberculosis 1, 215
- Ubiquinones 77
Uracil 165
- Vinylsulfonates 222, 238
VMAR 69
von Braun degradation 179
- Weinreb amide 227, 240
Wenkert cyclization 175
Wilkinson's catalyst 31
Wittig olefination 25, 29–31, 35, 155
Wittig reaction 27, 38
- Yamaguchi lactonization 220, 222,
225–227
Ynamines 210
- Zwitterion 151