
Author Index Volumes 251–283

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
Author Index Vols. 201–250 see Vol. 250

The volume numbers are printed in italics

- Accorsi G, see Armaroli N (2007) *280*: 69–115
- Afonin S, Dürr UHN, Wadhvani P, Salgado J, Ulrich AS (2008) Solid State NMR Structure Analysis of the Antimicrobial Peptide Gramicidin S in Lipid Membranes: Concentration-Dependent Re-alignment and Self-Assembly as a β -Barrel. *273*: 139–154
- Ajayaghosh A, George SJ, Schenning APHJ (2005) Hydrogen-Bonded Assemblies of Dyes and Extended π -Conjugated Systems. *258*: 83–118
- Akai S, Kita Y (2007) Recent Advances in Pummerer Reactions. *274*: 35–76
- Albert M, Fensterbank L, Lacôte E, Malacria M (2006) Tandem Radical Reactions. *264*: 1–62
- Alberto R (2005) New Organometallic Technetium Complexes for Radiopharmaceutical Imaging. *252*: 1–44
- Alegret S, see Pividori MI (2005) *260*: 1–36
- Alfaro JA, see Schuman B (2007) *272*: 217–258
- Amabilino DB, Veciana J (2006) Supramolecular Chiral Functional Materials. *265*: 253–302
- Anderson CJ, see Li WP (2005) *252*: 179–192
- Anslyn EV, see Collins BE (2007) *277*: 181–218
- Anslyn EV, see Houk RJT (2005) *255*: 199–229
- Appukkuttan P, Van der Eycken E (2006) Microwave-Assisted Natural Product Chemistry. *266*: 1–47
- Araki K, Yoshikawa I (2005) Nucleobase-Containing Gelators. *256*: 133–165
- Arcamone F-M (2008) Sabarubicin. *283*: 171–189
- Armaroli N, Accorsi G, Cardinali Fç, Listorti A (2007) Photochemistry and Photophysics of Coordination Compounds: Copper. *280*: 69–115
- Armitage BA (2005) Cyanine Dye–DNA Interactions: Intercalation, Groove Binding and Aggregation. *253*: 55–76
- Arseniev AS, see Bocharov EV (2008) *273*: 155–181
- Arvinte T, see Bocharov EV (2008) *273*: 155–181
- Arya DP (2005) Aminoglycoside–Nucleic Acid Interactions: The Case for Neomycin. *253*: 149–178
- Asensio JL, Bastida A, Jiménez-Barbero J (2008) Studies on the Conformational Features of Neomycin-B and its Molecular Recognition by RNA and Bacterial Defense Proteins. *273*: 117–138
- Bailly C, see Dias N (2005) *253*: 89–108
- Balaban TS, Tamiaki H, Holzwarth AR (2005) Chlorins Programmed for Self-Assembly. *258*: 1–38
- Baltzer L (2007) Polypeptide Conjugate Binders for Protein Recognition. *277*: 89–106

- Balzani V, Bergamini G, Campagna S, Puntoriero F (2007) Photochemistry and Photophysics of Coordination Compounds: Overview and General Concepts. *280*: 1–36
- Balzani V, Credi A, Ferrer B, Silvi S, Venturi M (2005) Artificial Molecular Motors and Machines: Design Principles and Prototype Systems. *262*: 1–27
- Balzani V, see Campagna S (2007) *280*: 117–214
- Barbieri CM, see Pilch DS (2005) *253*: 179–204
- Barbieri A, see Flamigni L (2007) *281*: 143–204
- Barchuk A, see Daasbjerg K (2006) *263*: 39–70
- Bargon J, see Kuhn LT (2007) *276*: 25–68
- Bargon J, see Kuhn LT (2007) *276*: 125–154
- Barigelletti F, see Flamigni L (2007) *281*: 143–204
- Barthel BL, see Koch TH (2008) *283*: 141–170
- Bastida A, see Asensio JL (2008) *273*: 117–138
- Bayly SR, see Beer PD (2005) *255*: 125–162
- Beck-Sickinger AG, see Haack M (2007) *278*: 243–288
- Beer PD, Bayly SR (2005) Anion Sensing by Metal-Based Receptors. *255*: 125–162
- Beretta GL, Zunino F (2008) Molecular Mechanisms of Anthracycline Activity. *283*: 1–19
- Bergamini G, see Balzani V (2007) *280*: 1–36
- Bergamini G, see Campagna S (2007) *280*: 117–214
- Bertini L, Bruschi M, de Gioia L, Fantucci P, Greco C, Zampella G (2007) Quantum Chemical Investigations of Reaction Paths of Metalloenzymes and Biomimetic Models – The Hydrogenase Example. *268*: 1–46
- Bier FF, see Heise C (2005) *261*: 1–25
- Blommers MJJ, see Bocharov EV (2008) *273*: 155–181
- Blommers MJJ, Strauss A, Geiser M, Ramage P, Sparrer H, Jahnke W (2008) NMR-Based Strategies to Elucidate Bioactive Conformations of Weakly Binding Ligands. *273*: 1–14
- Blum LJ, see Marquette CA (2005) *261*: 113–129
- Bocharov EV, Pavlov KV, Blommers MJJ, Arvinte T, Arseniev AS (2008) Modulation of the Bioactive Conformation of Transforming Growth Factor β : Possible Implications of Cation Binding for Biological Function. *273*: 155–181
- Boiteau L, see Pascal R (2005) *259*: 69–122
- Bolhuis PG, see Dellago C (2007) *268*: 291–317
- Borovkov VV, Inoue Y (2006) Supramolecular Chirogenesis in Host–Guest Systems Containing Porphyrinoids. *265*: 89–146
- Boschi A, Duatti A, Uccelli L (2005) Development of Technetium-99m and Rhenium-188 Radiopharmaceuticals Containing a Terminal Metal–Nitrido Multiple Bond for Diagnosis and Therapy. *252*: 85–115
- Braga D, D’Addario D, Giaffreda SL, Maini L, Polito M, Grepioni F (2005) Intra-Solid and Inter-Solid Reactions of Molecular Crystals: a Green Route to Crystal Engineering. *254*: 71–94
- Bräse S, see Jung N (2007) *278*: 1–88
- Braverman S, Cherkinsky M (2007) [2,3]Sigmatropic Rearrangements of Propargylic and Allenic Systems. *275*: 67–101
- Brebion F, see Crich D (2006) *263*: 1–38
- Breinbauer R, see Mentel M (2007) *278*: 209–241
- Breit B (2007) Recent Advances in Alkene Hydroformylation. *279*: 139–172
- Brizard A, Oda R, Huc I (2005) Chirality Effects in Self-assembled Fibrillar Networks. *256*: 167–218
- Broene RD (2007) Reductive Coupling of Unactivated Alkenes and Alkynes. *279*: 209–248
- Broggini M (2008) Nemorubicin. *283*: 191–206

- Bromfield K, see Ljungdahl N (2007) 278: 89–134
- Bruce IJ, see del Campo A (2005) 260: 77–111
- Bruschi M, see Bertini L (2007) 268: 1–46
- Bur SK (2007) 1,3-Sulfur Shifts: Mechanism and Synthetic Utility. 274: 125–171
- Burkhart DJ, see Koch TH (2008) 283: 141–170
- Campagna S, Puntoriero F, Nastasi F, Bergamini G, Balzani V (2007) Photochemistry and Photophysics of Coordination Compounds: Ruthenium. 280: 117–214
- Campagna S, see Balzani V (2007) 280: 1–36
- del Campo A, Bruce IJ (2005) Substrate Patterning and Activation Strategies for DNA Chip Fabrication. 260: 77–111
- Capobianco ML, Catapano CV (2008) Daunomycin-TFO Conjugates for Downregulation of Gene Expression. 283: 45–71
- Cardinali F, see Armaroli N (2007) 280: 69–115
- Carney CK, Harry SR, Sewell SL, Wright DW (2007) Detoxification Biominerals. 270: 155–185
- Castagner B, Seeberger PH (2007) Automated Solid Phase Oligosaccharide Synthesis. 278: 289–309
- Catapano CV, see Capobianco ML (2008) 283: 45–71
- Chaires JB (2005) Structural Selectivity of Drug-Nucleic Acid Interactions Probed by Competition Dialysis. 253: 33–53
- Cheng EC-C, see Yam VW-W (2007) 281: 269–310
- Cherkinsky M, see Braverman S (2007) 275: 67–101
- Chiorboli C, Indelli MT, Scandola F (2005) Photoinduced Electron/Energy Transfer Across Molecular Bridges in Binuclear Metal Complexes. 257: 63–102
- Chiorboli C, see Indelli MT (2007) 280: 215–255
- Coleman AW, Perret F, Moussa A, Dupin M, Guo Y, Perron H (2007) Calix[n]arenes as Protein Sensors. 277: 31–88
- Cölfen H (2007) Bio-inspired Mineralization Using Hydrophilic Polymers. 271: 1–77
- Collin J-P, Heitz V, Sauvage J-P (2005) Transition-Metal-Complexed Catenanes and Rotaxanes in Motion: Towards Molecular Machines. 262: 29–62
- Collins BE, Wright AT, Anslyn EV (2007) Combining Molecular Recognition, Optical Detection, and Chemometric Analysis. 277: 181–218
- Collyer SD, see Davis F (2005) 255: 97–124
- Commeyras A, see Pascal R (2005) 259: 69–122
- Coquerel G (2007) Preferential Crystallization. 269: 1–51
- Correia JDG, see Santos I (2005) 252: 45–84
- Costanzo G, see Saladino R (2005) 259: 29–68
- Cotarca L, see Zonta C (2007) 275: 131–161
- Credi A, see Balzani V (2005) 262: 1–27
- Crestini C, see Saladino R (2005) 259: 29–68
- Crich D, Brebion F, Suk D-H (2006) Generation of Alkene Radical Cations by Heterolysis of β -Substituted Radicals: Mechanism, Stereochemistry, and Applications in Synthesis. 263: 1–38
- Cuerva JM, Justicia J, Oller-López JL, Oltra JE (2006) Cp_2TiCl in Natural Product Synthesis. 264: 63–92
- Daasbjerg K, Svith H, Grimme S, Gerenkamp M, Mück-Lichtenfeld C, Gansäuer A, Barchuk A (2006) The Mechanism of Epoxide Opening through Electron Transfer: Experiment and Theory in Concert. 263: 39–70
- D'Addario D, see Braga D (2005) 254: 71–94

- Danishefsky SJ, see Warren JD (2007) 267: 109–141
- Darmency V, Renaud P (2006) Tin-Free Radical Reactions Mediated by Organoboron Compounds. 263: 71–106
- Davis F, Collyer SD, Higson SPJ (2005) The Construction and Operation of Anion Sensors: Current Status and Future Perspectives. 255: 97–124
- Deamer DW, Dworkin JP (2005) Chemistry and Physics of Primitive Membranes. 259: 1–27
- Debaene F, see Winssinger N (2007) 278: 311–342
- Dellago C, Bolhuis PG (2007) Transition Path Sampling Simulations of Biological Systems. 268: 291–317
- Deng J-Y, see Zhang X-E (2005) 261: 169–190
- Dervan PB, Poulin-Kerstien AT, Fechter EJ, Edelson BS (2005) Regulation of Gene Expression by Synthetic DNA-Binding Ligands. 253: 1–31
- Dias N, Vezin H, Lansiaux A, Bailly C (2005) Topoisomerase Inhibitors of Marine Origin and Their Potential Use as Anticancer Agents. 253: 89–108
- DiMauro E, see Saladino R (2005) 259: 29–68
- Dittrich M, Yu J, Schulten K (2007) PcrA Helicase, a Molecular Motor Studied from the Electronic to the Functional Level. 268: 319–347
- Dobrawa R, see You C-C (2005) 258: 39–82
- Dötsch V (2008) Investigation of Proteins in Living Bacteria with In-Cell NMR Experiments. 273: 203–214
- Du Q, Larsson O, Swerdlow H, Liang Z (2005) DNA Immobilization: Silanized Nucleic Acids and Nanoprinting. 261: 45–61
- Duatti A, see Boschi A (2005) 252: 85–115
- Dupin M, see Coleman AW (2007) 277: 31–88
- Dürr UHN, see Afonin S (2008) 273: 139–154
- Dworkin JP, see Deamer DW (2005) 259: 1–27
- Edelson BS, see Dervan PB (2005) 253: 1–31
- Edwards DS, see Liu S (2005) 252: 193–216
- Ernst K-H (2006) Supramolecular Surface Chirality. 265: 209–252
- Ersmark K, see Wannberg J (2006) 266: 167–197
- Escudé C, Sun J-S (2005) DNA Major Groove Binders: Triple Helix-Forming Oligonucleotides, Triple Helix-Specific DNA Ligands and Cleaving Agents. 253: 109–148
- Evans SV, see Schuman B (2007) 272: 217–258
- Van der Eycken E, see Appukkuttan P (2006) 266: 1–47
- Fages F, Vögtle F, Žinić M (2005) Systematic Design of Amide- and Urea-Type Gelators with Tailored Properties. 256: 77–131
- Fages F, see Žinić M (2005) 256: 39–76
- Faigl F, Schindler J, Fogassy E (2007) Advantages of Structural Similarities of the Reactants in Optical Resolution Processes. 269: 133–157
- Fan C-A, see Gansäuer A (2007) 279: 25–52
- Fantucci P, see Bertini L (2007) 268: 1–46
- Fechter EJ, see Dervan PB (2005) 253: 1–31
- Fensterbank L, see Albert M (2006) 264: 1–62
- Fernández JM, see Moonen NNP (2005) 262: 99–132
- Fernando C, see Szathmáry E (2005) 259: 167–211
- Ferrer B, see Balzani V (2005) 262: 1–27
- De Feyter S, De Schryver F (2005) Two-Dimensional Dye Assemblies on Surfaces Studied by Scanning Tunneling Microscopy. 258: 205–255

- Fischer D, Geyer A (2007) NMR Analysis of Bioprotective Sugars: Sucrose and Oligomeric (1→2)- α -D-glucopyranosyl-(1→2)- β -D-fructofuranosides. *272*: 169–186
- Flamigni L, Barbieri A, Sabatini C, Ventura B, Barigelletti F (2007) Photochemistry and Photophysics of Coordination Compounds: Iridium. *281*: 143–204
- Flood AH, see Moonen NNP (2005) *262*: 99–132
- Florent J-C, Monneret C (2008) Doxorubicin Conjugates for Selective Delivery to Tumors. *283*: 99–140
- Fogassy E, see Faigl F (2007) *269*: 133–157
- Fricke M, Volkmer D (2007) Crystallization of Calcium Carbonate Beneath Insoluble Monolayers: Suitable Models of Mineral–Matrix Interactions in Biomineralization? *270*: 1–41
- Fujimoto D, see Tamura R (2007) *269*: 53–82
- Fujiwara S-i, Kambe N (2005) Thio-, Seleno-, and Telluro-Carboxylic Acid Esters. *251*: 87–140
- Geiser M, see Blommers MJJ (2008) *273*: 1–14
- Gansäuer A, see Daasbjerg K (2006) *263*: 39–70
- Garcia-Garibay MA, see Karlen SD (2005) *262*: 179–227
- Gelinck GH, see Grozema FC (2005) *257*: 135–164
- Geng X, see Warren JD (2007) *267*: 109–141
- Gansäuer A, Justicia J, Fan C-A, Worgull D, Piestert F (2007) Reductive C–C Bond Formation after Epoxide Opening via Electron Transfer. *279*: 25–52
- George SJ, see Ajayaghosh A (2005) *258*: 83–118
- Gerenkamp M, see Daasbjerg K (2006) *263*: 39–70
- Gevorgyan V, see Sromek AW (2007) *274*: 77–124
- Geyer A, see Fischer D (2007) *272*: 169–186
- Giaffreda SL, see Braga D (2005) *254*: 71–94
- Gianni L, see Menna P (2008) *283*: 21–44
- Giernoth R (2007) Homogeneous Catalysis in Ionic Liquids. *276*: 1–23
- de Gioia L, see Bertini L (2007) *268*: 1–46
- Di Giusto DA, King GC (2005) Special-Purpose Modifications and Immobilized Functional Nucleic Acids for Biomolecular Interactions. *261*: 131–168
- Greco C, see Bertini L (2007) *268*: 1–46
- Greiner L, Laue S, Wöltinger J, Liese A (2007) Continuous Asymmetric Hydrogenation. *276*: 111–124
- Grepioni F, see Braga D (2005) *254*: 71–94
- Grimme S, see Daasbjerg K (2006) *263*: 39–70
- Grozema FC, Siebbeles LDA, Gelinck GH, Warman JM (2005) The Opto-Electronic Properties of Isolated Phenylenevinylene Molecular Wires. *257*: 135–164
- Guiseppi-Elie A, Lingerfelt L (2005) Impedimetric Detection of DNA Hybridization: Towards Near-Patient DNA Diagnostics. *260*: 161–186
- Gunnlaugsson T, see Leonard JP (2007) *281*: 1–44
- Guo Y, see Coleman AW (2007) *277*: 31–88
- Haack M, Beck-Sickinger AG (2007) Multiple Peptide Synthesis to Identify Bioactive Hormone Structures. *278*: 243–288
- Haase C, Seitz O (2007) Chemical Synthesis of Glycopeptides. *267*: 1–36
- Hahn F, Schepers U (2007) Solid Phase Chemistry for the Directed Synthesis of Biologically Active Polyamine Analogs, Derivatives, and Conjugates. *278*: 135–208
- Hansen SG, Skrydstrup T (2006) Modification of Amino Acids, Peptides, and Carbohydrates through Radical Chemistry. *264*: 135–162

- Harmer NJ (2007) The Fibroblast Growth Factor (FGF) – FGF Receptor Complex: Progress Towards the Physiological State. *272*: 83–116
- Harry SR, see Carney CK (2007) *270*: 155–185
- Heise C, Bier FF (2005) Immobilization of DNA on Microarrays. *261*: 1–25
- Heitz V, see Collin J-P (2005) *262*: 29–62
- Herrmann C, Reiher M (2007) First-Principles Approach to Vibrational Spectroscopy of Biomolecules. *268*: 85–132
- Higson SPJ, see Davis F (2005) *255*: 97–124
- Hirao T (2007) Catalytic Reductive Coupling of Carbonyl Compounds – The Pinacol Coupling Reaction and Beyond. *279*: 53–75
- Hirayama N, see Sakai K (2007) *269*: 233–271
- Hirst AR, Smith DK (2005) Dendritic Gelators. *256*: 237–273
- Holzwarth AR, see Balaban TS (2005) *258*: 1–38
- Homans SW (2007) Dynamics and Thermodynamics of Ligand–Protein Interactions. *272*: 51–82
- Houk RJT, Tobey SL, Anslyn EV (2005) Abiotic Guanidinium Receptors for Anion Molecular Recognition and Sensing. *255*: 199–229
- Huc I, see Brizard A (2005) *256*: 167–218
- Ihmels H, Otto D (2005) Intercalation of Organic Dye Molecules into Double-Stranded DNA – General Principles and Recent Developments. *258*: 161–204
- Iida H, Krische MJ (2007) Catalytic Reductive Coupling of Alkenes and Alkynes to Carbonyl Compounds and Imines Mediated by Hydrogen. *279*: 77–104
- Imai H (2007) Self-Organized Formation of Hierarchical Structures. *270*: 43–72
- Indelli MT, Chiorboli C, Scandola F (2007) Photochemistry and Photophysics of Coordination Compounds: Rhodium. *280*: 215–255
- Indelli MT, see Chiorboli C (2005) *257*: 63–102
- Inoue Y, see Borovkov VV (2006) *265*: 89–146
- Ishii A, Nakayama J (2005) Carbodithioic Acid Esters. *251*: 181–225
- Ishii A, Nakayama J (2005) Carboselenothioic and Carbodiselenoic Acid Derivatives and Related Compounds. *251*: 227–246
- Ishi-i T, Shinkai S (2005) Dye-Based Organogels: Stimuli-Responsive Soft Materials Based on One-Dimensional Self-Assembling Aromatic Dyes. *258*: 119–160
- Jahnke W, see Blommers MJJ (2008) *273*: 1–14
- James DK, Tour JM (2005) Molecular Wires. *257*: 33–62
- James TD (2007) Saccharide-Selective Boronic Acid Based Photoinduced Electron Transfer (PET) Fluorescent Sensors. *277*: 107–152
- Jayalakshmi V, see Krishna NR (2008) *273*: 15–54
- Jelinek R, Kulusheva S (2007) Biomolecular Sensing with Colorimetric Vesicles. *277*: 155–180
- Jiménez-Barbero J, see Asensio JL (2008) *273*: 117–138
- Johnson MA, Pinto BM (2008) Structural and Functional Studies of Peptide–Carbohydrate Mimicry. *273*: 55–116
- Jones W, see Trask AV (2005) *254*: 41–70
- Jung N, Wiehn M, Bräse S (2007) Multifunctional Linkers for Combinatorial Solid Phase Synthesis. *278*: 1–88
- Justicia J, see Cuerva JM (2006) *264*: 63–92
- Justicia J, see Gansäuer A (2007) *279*: 25–52

- Kalet BT, see Koch TH (2008) 283: 141–170
- Kambe N, see Fujiwara S-i (2005) 251: 87–140
- Kane-Maguire NAP (2007) Photochemistry and Photophysics of Coordination Compounds: Chromium. 280: 37–67
- Kann N, see Ljungdahl N (2007) 278: 89–134
- Kano N, Kawashima T (2005) Dithiocarboxylic Acid Salts of Group 1–17 Elements (Except for Carbon). 251: 141–180
- Kappe CO, see Kremsner JM (2006) 266: 233–278
- Kaptein B, see Kellogg RM (2007) 269: 159–197
- Karlen SD, Garcia-Garibay MA (2005) Amphidynamic Crystals: Structural Blueprints for Molecular Machines. 262: 179–227
- Kato S, Niyomura O (2005) Group 1–17 Element (Except Carbon) Derivatives of Thio-, Seleno- and Telluro-Carboxylic Acids. 251: 19–85
- Kato S, see Niyomura O (2005) 251: 1–12
- Kato T, Mizoshita N, Moriyama M, Kitamura T (2005) Gelation of Liquid Crystals with Self-Assembled Fibers. 256: 219–236
- Kaul M, see Pilch DS (2005) 253: 179–204
- Kaupp G (2005) Organic Solid-State Reactions with 100% Yield. 254: 95–183
- Kawasaki T, see Okahata Y (2005) 260: 57–75
- Kawashima T, see Kano N (2005) 251: 141–180
- Kay ER, Leigh DA (2005) Hydrogen Bond-Assembled Synthetic Molecular Motors and Machines. 262: 133–177
- Kellogg RM, Kaptein B, Vries TR (2007) Dutch Resolution of Racemates and the Roles of Solid Solution Formation and Nucleation Inhibition. 269: 159–197
- Kessler H, see Weide T (2007) 272: 1–50
- Kimura M, Tamaru Y (2007) Nickel-Catalyzed Reductive Coupling of Dienes and Carbonyl Compounds. 279: 173–207
- King GC, see Di Giusto DA (2005) 261: 131–168
- Kirchner B, see Thar J (2007) 268: 133–171
- Kirgan RA, Sullivan BP, Rillema DP (2007) Photochemistry and Photophysics of Coordination Compounds: Rhenium. 281: 45–102
- Kita Y, see Akai S (2007) 274: 35–76
- Kitamura T, see Kato T (2005) 256: 219–236
- Kniep R, Simon P (2007) Fluorapatite-Gelatine-Nanocomposites: Self-Organized Morphogenesis, Real Structure and Relations to Natural Hard Materials. 270: 73–125
- Koch TH, Barthel BL, Kalet BT, Rudnicki DL, Post GC, Burkhart DJ (2008) Anthracycline-Formaldehyde Conjugates and Their Targeted Prodrugs. 283: 141–170
- Koenig BW (2007) Residual Dipolar Couplings Report on the Active Conformation of Rhodopsin-Bound Protein Fragments. 272: 187–216
- Kolusheva S, see Jelinek R (2007) 277: 155–180
- Komatsu K (2005) The Mechanochemical Solid-State Reaction of Fullerenes. 254: 185–206
- Kratz F (2008) Acid-Sensitive Prodrugs of Doxorubicin. 283: 73–97
- Kremsner JM, Stadler A, Kappe CO (2006) The Scale-Up of Microwave-Assisted Organic Synthesis. 266: 233–278
- Kriegisch V, Lambert C (2005) Self-Assembled Monolayers of Chromophores on Gold Surfaces. 258: 257–313
- Krische MJ, see Iida H (2007) 279: 77–104
- Krishna NR, Jayalakshmi V (2008) Quantitative Analysis of STD-NMR Spectra of Reversibly Forming Ligand–Receptor Complexes. 273: 15–54

- Kuhn LT, Bargon J (2007) Transfer of Parahydrogen-Induced Hyperpolarization to Heteronuclei. *276*: 25–68
- Kuhn LT, Bargon J (2007) Exploiting Nuclear Spin Polarization to Investigate Free Radical Reactions via in situ NMR. *276*: 125–154
- Kumaresan D, Shankar K, Vaidya S, Schmehl RH (2007) Photochemistry and Photophysics of Coordination Compounds: Osmium. *281*: 101–142
- Lacôte E, see Albert M (2006) *264*: 1–62
- Lahav M, see Weissbuch I (2005) *259*: 123–165
- Lambert C, see Kriegisch V (2005) *258*: 257–313
- Lansiaux A, see Dias N (2005) *253*: 89–108
- LaPlante SR (2007) Exploiting Ligand and Receptor Adaptability in Rational Drug Design Using Dynamics and Structure-Based Strategies. *272*: 259–296
- Larhed M, see Nilsson P (2006) *266*: 103–144
- Larhed M, see Wannberg J (2006) *266*: 167–197
- Larsson O, see Du Q (2005) *261*: 45–61
- Laue S, see Greiner L (2007) *276*: 111–124
- Leigh DA, Pérez EM (2006) Dynamic Chirality: Molecular Shuttles and Motors. *265*: 185–208
- Leigh DA, see Kay ER (2005) *262*: 133–177
- Leiserowitz L, see Weissbuch I (2005) *259*: 123–165
- Leonard JP, Nolan CB, Stomeo F, Gunnlaugsson T (2007) Photochemistry and Photophysics of Coordination Compounds: Lanthanides. *281*: 1–44
- Lhoták P (2005) Anion Receptors Based on Calixarenes. *255*: 65–95
- Li WP, Meyer LA, Anderson CJ (2005) Radiopharmaceuticals for Positron Emission Tomography Imaging of Somatostatin Receptor Positive Tumors. *252*: 179–192
- Liang Z, see Du Q (2005) *261*: 45–61
- Liese A, see Greiner L (2007) *276*: 111–124
- Lingerfelt L, see Guiseppi-Elie A (2005) *260*: 161–186
- Listorti A, see Armaroli N (2007) *280*: 69–115
- Litvinchuk S, see Matile S (2007) *277*: 219–250
- Liu S (2005) 6-Hydrazinonicotinamide Derivatives as Bifunctional Coupling Agents for ^{99m}Tc-Labeling of Small Biomolecules. *252*: 117–153
- Liu S, Robinson SP, Edwards DS (2005) Radiolabeled Integrin $\alpha_v\beta_3$ Antagonists as Radiopharmaceuticals for Tumor Radiotherapy. *252*: 193–216
- Liu XY (2005) Gelation with Small Molecules: from Formation Mechanism to Nanostructure Architecture. *256*: 1–37
- Ljungdahl N, Bromfield K, Kann N (2007) Solid Phase Organometallic Chemistry. *278*: 89–134
- De Lucchi O, see Zonta C (2007) *275*: 131–161
- Luderer F, Walschus U (2005) Immobilization of Oligonucleotides for Biochemical Sensing by Self-Assembled Monolayers: Thiol-Organic Bonding on Gold and Silanization on Silica Surfaces. *260*: 37–56
- Maeda K, Yashima E (2006) Dynamic Helical Structures: Detection and Amplification of Chirality. *265*: 47–88
- Magnera TF, Michl J (2005) Altitudinal Surface-Mounted Molecular Rotors. *262*: 63–97
- Maini L, see Braga D (2005) *254*: 71–94
- Malacria M, see Albert M (2006) *264*: 1–62
- Marquette CA, Blum LJ (2005) Beads Arraying and Beads Used in DNA Chips. *261*: 113–129
- Mascini M, see Palchetti I (2005) *261*: 27–43

- Matile S, Tanaka H, Litvinchuk S (2007) Analyte Sensing Across Membranes with Artificial Pores. *277*: 219–250
- Matsumoto A (2005) Reactions of 1,3-Diene Compounds in the Crystalline State. *254*: 263–305
- McGhee AM, Procter DJ (2006) Radical Chemistry on Solid Support. *264*: 93–134
- Menna P, Salvatorelli E, Gianni L, Minotti G (2008) Anthracycline Cardiotoxicity. *283*: 21–44
- Mentel M, Breinbauer R (2007) Combinatorial Solid-Phase Natural Product Chemistry. *278*: 209–241
- Meyer B, Möller H (2007) Conformation of Glycopeptides and Glycoproteins. *267*: 187–251
- Meyer LA, see Li WP (2005) *252*: 179–192
- Michl J, see Magnera TF (2005) *262*: 63–97
- Milea JS, see Smith CL (2005) *261*: 63–90
- Minotti G, see Menna P (2008) *283*: 21–44
- Mizoshita N, see Kato T (2005) *256*: 219–236
- Modlinger A, see Weide T (2007) *272*: 1–50
- Möller H, see Meyer B (2007) *267*: 187–251
- Monneret C, see Florent J-C (2008) *283*: 99–140
- Montgomery J, Sormunen GJ (2007) Nickel-Catalyzed Reductive Couplings of Aldehydes and Alkynes. *279*: 1–23
- Moonen NNP, Flood AH, Fernández JM, Stoddart JF (2005) Towards a Rational Design of Molecular Switches and Sensors from their Basic Building Blocks. *262*: 99–132
- Moriyama M, see Kato T (2005) *256*: 219–236
- Moussa A, see Coleman AW (2007) *277*: 31–88
- Murai T (2005) Thio-, Seleno-, Telluro-Amides. *251*: 247–272
- Murakami H (2007) From Racemates to Single Enantiomers – Chiral Synthetic Drugs over the last 20 Years. *269*: 273–299
- Mutule I, see Suna E (2006) *266*: 49–101
- Naka K (2007) Delayed Action of Synthetic Polymers for Controlled Mineralization of Calcium Carbonate. *271*: 119–154
- Nakayama J, see Ishii A (2005) *251*: 181–225
- Nakayama J, see Ishii A (2005) *251*: 227–246
- Narayanan S, see Reif B (2007) *272*: 117–168
- Nastasi F, see Campagna S (2007) *280*: 117–214
- Neese F, see Sinnecker S (2007) *268*: 47–83
- Nguyen GH, see Smith CL (2005) *261*: 63–90
- Nicolau DV, Sawant PD (2005) Scanning Probe Microscopy Studies of Surface-Immobilised DNA/Oligonucleotide Molecules. *260*: 113–160
- Niessen HG, Woelk K (2007) Investigations in Supercritical Fluids. *276*: 69–110
- Nilsson P, Olofsson K, Larhed M (2006) Microwave-Assisted and Metal-Catalyzed Coupling Reactions. *266*: 103–144
- Nishiyama H, Shiomi T (2007) Reductive Aldol, Michael, and Mannich Reactions. *279*: 105–137
- Niyomura O, Kato S (2005) Chalcogenocarboxylic Acids. *251*: 1–12
- Niyomura O, see Kato S (2005) *251*: 19–85
- Nohira H, see Sakai K (2007) *269*: 199–231
- Nolan CB, see Leonard JP (2007) *281*: 1–44

- Oda R, see Brizard A (2005) 256: 167–218
- Okahata Y, Kawasaki T (2005) Preparation and Electron Conductivity of DNA-Aligned Cast and LB Films from DNA-Lipid Complexes. 260: 57–75
- Okamura T, see Ueyama N (2007) 271: 155–193
- Oller-López JL, see Cuerva JM (2006) 264: 63–92
- Olofsson K, see Nilsson P (2006) 266: 103–144
- Oltra JE, see Cuerva JM (2006) 264: 63–92
- Onoda A, see Ueyama N (2007) 271: 155–193
- Otto D, see Ihmels H (2005) 258: 161–204
- Otto S, Severin K (2007) Dynamic Combinatorial Libraries for the Development of Synthetic Receptors and Sensors. 277: 267–288
- Palchetti I, Mascini M (2005) Electrochemical Adsorption Technique for Immobilization of Single-Stranded Oligonucleotides onto Carbon Screen-Printed Electrodes. 261: 27–43
- Pascal R, Boiteau L, Commeyras A (2005) From the Prebiotic Synthesis of α -Amino Acids Towards a Primitive Translation Apparatus for the Synthesis of Peptides. 259: 69–122
- Paulo A, see Santos I (2005) 252: 45–84
- Pavlov KV, see Bocharov EV (2008) 273: 155–181
- Pérez EM, see Leigh DA (2006) 265: 185–208
- Perret F, see Coleman AW (2007) 277: 31–88
- Perron H, see Coleman AW (2007) 277: 31–88
- Peters T, see Rademacher C (2008) 273: 183–202
- Pianowski Z, see Winssinger N (2007) 278: 311–342
- Piestert F, see Gansäuer A (2007) 279: 25–52
- Pilch DS, Kaul M, Barbieri CM (2005) Ribosomal RNA Recognition by Aminoglycoside Antibiotics. 253: 179–204
- Pinto BM, see Johnson MA (2008) 273: 55–116
- Pividori MI, Alegret S (2005) DNA Adsorption on Carbonaceous Materials. 260: 1–36
- Piwnica-Worms D, see Sharma V (2005) 252: 155–178
- Plesniak K, Zarecki A, Wicha J (2007) The Smiles Rearrangement and the Julia–Kocienski Olefination Reaction. 275: 163–250
- Polito M, see Braga D (2005) 254: 71–94
- Post GC, see Koch TH (2008) 283: 141–170
- Poulin-Kerstien AT, see Dervan PB (2005) 253: 1–31
- de la Pradilla RF, Tortosa M, Viso A (2007) Sulfur Participation in [3,3]-Sigmatropic Rearrangements. 275: 103–129
- Procter DJ, see McGhee AM (2006) 264: 93–134
- Puntoriero F, see Balzani V (2007) 280: 1–36
- Puntoriero F, see Campagna S (2007) 280: 117–214
- Quiclet-Sire B, Zard SZ (2006) The Degenerative Radical Transfer of Xanthates and Related Derivatives: An Unusually Powerful Tool for the Creation of Carbon–Carbon Bonds. 264: 201–236
- Rademacher C, Peters T (2008) Molecular Recognition of Ligands by Native Viruses and Virus-Like Particles as Studied by NMR Experiments. 273: 183–202
- Ramage P, see Blommers MJJ (2008) 273: 1–14
- Ratner MA, see Weiss EA (2005) 257: 103–133
- Raymond KN, see Seeber G (2006) 265: 147–184
- Rebek Jr J, see Scarso A (2006) 265: 1–46

- Reckien W, see Thar J (2007) 268: 133–171
- Reggelin M (2007) [2,3]-Sigmatropic Rearrangements of Allylic Sulfur Compounds. 275: 1–65
- Reif B, Narayanan S (2007) Characterization of Interactions Between Misfolding Proteins and Molecular Chaperones by NMR Spectroscopy. 272: 117–168
- Reiher M, see Herrmann C (2007) 268: 85–132
- Renaud P, see Darmency V (2006) 263: 71–106
- Revell JD, Wennemers H (2007) Identification of Catalysts in Combinatorial Libraries. 277: 251–266
- Rillema DP, see Kirgan RA (2007) 281: 45–102
- Robinson SP, see Liu S (2005) 252: 193–216
- Rudnicki DL, see Koch TH (2008) 283: 141–170
- Sabatini C, see Flamigni L (2007) 281: 143–204
- Saha-Möller CR, see You C-C (2005) 258: 39–82
- Sakai K, Sakurai R, Hirayama N (2007) Molecular Mechanisms of Dielectrically Controlled Resolution (DCR). 269: 233–271
- Sakai K, Sakurai R, Nohira H (2007) New Resolution Technologies Controlled by Chiral Discrimination Mechanisms. 269: 199–231
- Sakamoto M (2005) Photochemical Aspects of Thiocarbonyl Compounds in the Solid-State. 254: 207–232
- Sakurai R, see Sakai K (2007) 269: 199–231
- Sakurai R, see Sakai K (2007) 269: 233–271
- Saladino R, Crestini C, Costanzo G, DiMauro E (2005) On the Prebiotic Synthesis of Nucleobases, Nucleotides, Oligonucleotides, Pre-RNA and Pre-DNA Molecules. 259: 29–68
- Salgado J, see Afonin S (2008) 273: 139–154
- Salvatorelli E, see Menna P (2008) 283: 21–44
- Santos I, Paulo A, Correia JDG (2005) Rhenium and Technetium Complexes Anchored by Phosphines and Scorpionates for Radiopharmaceutical Applications. 252: 45–84
- Santos M, see Szathmáry E (2005) 259: 167–211
- Sato K (2007) Inorganic-Organic Interfacial Interactions in Hydroxyapatite Mineralization Processes. 270: 127–153
- Sauvage J-P, see Collin J-P (2005) 262: 29–62
- Sawant PD, see Nicolau DV (2005) 260: 113–160
- Scandola F, see Chiorboli C (2005) 257: 63–102
- Scarso A, Rebek Jr J (2006) Chiral Spaces in Supramolecular Assemblies. 265: 1–46
- Schaumann E (2007) Sulfur is More Than the Fat Brother of Oxygen. An Overview of Organosulfur Chemistry. 274: 1–34
- Scheffer JR, Xia W (2005) Asymmetric Induction in Organic Photochemistry via the Solid-State Ionic Chiral Auxiliary Approach. 254: 233–262
- Schenning APHJ, see Ajayaghosh A (2005) 258: 83–118
- Schepers U, see Hahn F (2007) 278: 135–208
- Schindler J, see Faigl F (2007) 269: 133–157
- Schmehl RH, see Kumaresan D (2007) 281: 101–142
- Schmidtchen FP (2005) Artificial Host Molecules for the Sensing of Anions. 255: 1–29 Author Index Volumes 251–255
- Scandola F, see Indelli MT (2007) 280: 215–255
- Schmuck C, Wich P (2007) The Development of Artificial Receptors for Small Peptides Using Combinatorial Approaches. 277: 3–30
- Schoof S, see Wolter F (2007) 267: 143–185

- De Schryver F, see De Feyter S (2005) 258: 205–255
- Schulten K, see Dittrich M (2007) 268: 319–347
- Schuman B, Alfaro JA, Evans SV (2007) Glycosyltransferase Structure and Function. 272: 217–258
- Seeber G, Tiedemann BEF, Raymond KN (2006) Supramolecular Chirality in Coordination Chemistry. 265: 147–184
- Seeberger PH, see Castagner B (2007) 278: 289–309
- Seitz O, see Haase C (2007) 267: 1–36
- Senn HM, Thiel W (2007) QM/MM Methods for Biological Systems. 268: 173–289
- Severin K, see Otto S (2007) 277: 267–288
- Sewell SL, see Carney CK (2007) 270: 155–185
- Shankar K, see Kumaresan D (2007) 281: 101–142
- Sharma V, Piwnica-Worms D (2005) Monitoring Multidrug Resistance P-Glycoprotein Drug Transport Activity with Single-Photon-Emission Computed Tomography and Positron Emission Tomography Radiopharmaceuticals. 252: 155–178
- Shinkai S, see Ishi-i T (2005) 258: 119–160
- Shiomi T, see Nishiyama H (2007) 279: 105–137
- Sibi MP, see Zimmerman J (2006) 263: 107–162
- Siebbeles LDA, see Grozema FC (2005) 257: 135–164
- Silvi S, see Balzani V (2005) 262: 1–27
- Simon P, see Kniep R (2007) 270: 73–125
- Sinnecker S, Neese F (2007) Theoretical Bioinorganic Spectroscopy. 268: 47–83
- Skrydstrup T, see Hansen SG (2006) 264: 135–162
- Smith CL, Milea JS, Nguyen GH (2005) Immobilization of Nucleic Acids Using Biotin-Strept(avidin) Systems. 261: 63–90
- Smith DK, see Hirst AR (2005) 256: 237–273
- Sormunen GJ, see Montgomery J (2007) 279: 1–23
- Sparrer H, see Blommers MJJ (2008) 273: 1–14
- Specker D, Wittmann V (2007) Synthesis and Application of Glycopeptide and Glycoprotein Mimetics. 267: 65–107
- Sromek AW, Gevorgyan V (2007) 1,2-Sulfur Migrations. 274: 77–124
- Stadler A, see Kremsner JM (2006) 266: 233–278
- Stibor I, Zlatušková P (2005) Chiral Recognition of Anions. 255: 31–63
- Stoddart JF, see Moonen NNP (2005) 262: 99–132
- Stomeo F, see Leonard JP (2007) 281: 1–44
- Strauss A, see Blommers MJJ (2008) 273: 1–14
- Strauss CR, Varma RS (2006) Microwaves in Green and Sustainable Chemistry. 266: 199–231
- Suk D-H, see Crich D (2006) 263: 1–38
- Suksai C, Tuntulani T (2005) Chromogenetic Anion Sensors. 255: 163–198
- Sullivan BP, see Kirgan RA (2007) 281: 45–102
- Sun J-S, see Escudé C (2005) 253: 109–148
- Suna E, Mutule I (2006) Microwave-assisted Heterocyclic Chemistry. 266: 49–101
- Süssmuth RD, see Wolter F (2007) 267: 143–185
- Svith H, see Daasbjerg K (2006) 263: 39–70
- Swerdlow H, see Du Q (2005) 261: 45–61
- Szathmáry E, Santos M, Fernando C (2005) Evolutionary Potential and Requirements for Minimal Protocells. 259: 167–211
- Taira S, see Yokoyama K (2005) 261: 91–112
- Takahashi H, see Tamura R (2007) 269: 53–82

- Takahashi K, see Ueyama N (2007) 271: 155–193
Tamiaki H, see Balaban TS (2005) 258: 1–38
Tamaru Y, see Kimura M (2007) 279: 173–207
Tamura R, Takahashi H, Fujimoto D, Ushio T (2007) Mechanism and Scope of Preferential Enrichment, a Symmetry-Breaking Enantiomeric Resolution Phenomenon. 269: 53–82
Tanaka H, see Matile S (2007) 277: 219–250
Thar J, Reckien W, Kirchner B (2007) Car–Parrinello Molecular Dynamics Simulations and Biological Systems. 268: 133–171
Thayer DA, Wong C-H (2007) Enzymatic Synthesis of Glycopeptides and Glycoproteins. 267: 37–63
Thiel W, see Senn HM (2007) 268: 173–289
Tiedemann BEF, see Seeber G (2006) 265: 147–184
Tobey SL, see Houk RJT (2005) 255: 199–229
Toda F (2005) Thermal and Photochemical Reactions in the Solid-State. 254: 1–40
Tortosa M, see de la Pradilla RF (2007) 275: 103–129
Tour JM, see James DK (2005) 257: 33–62
Trask AV, Jones W (2005) Crystal Engineering of Organic Cocrystals by the Solid-State Grinding Approach. 254: 41–70
Tuntulani T, see Suksai C (2005) 255: 163–198
- Uccelli L, see Boschi A (2005) 252: 85–115
Ueyama N, Takahashi K, Onoda A, Okamura T, Yamamoto H (2007) Inorganic–Organic Calcium Carbonate Composite of Synthetic Polymer Ligands with an Intramolecular $\text{NH} \cdots \text{O}$ Hydrogen Bond. 271: 155–193
Ulrich AS, see Afonin S (2008) 273: 139–154
Ushio T, see Tamura R (2007) 269: 53–82
- Vaidya S, see Kumaresan D (2007) 281: 101–142
Varma RS, see Strauss CR (2006) 266: 199–231
Veciana J, see Amabilino DB (2006) 265: 253–302
Ventura B, see Flamigni L (2007) 281: 143–204
Venturi M, see Balzani V (2005) 262: 1–27
Vezin H, see Dias N (2005) 253: 89–108
Viso A, see de la Pradilla RF (2007) 275: 103–129
Vögtle F, see Fages F (2005) 256: 77–131
Vögtle M, see Žinić M (2005) 256: 39–76
Volkmer D, see Fricke M (2007) 270: 1–41
Volpicelli R, see Zonta C (2007) 275: 131–161
Vries TR, see Kellogg RM (2007) 269: 159–197
- Wadhvani P, see Afonin S (2008) 273: 139–154
Walschus U, see Luderer F (2005) 260: 37–56
Walton JC (2006) Unusual Radical Cyclisations. 264: 163–200
Wannberg J, Ersmark K, Larhed M (2006) Microwave-Accelerated Synthesis of Protease Inhibitors. 266: 167–197
Warman JM, see Grozema FC (2005) 257: 135–164
Warren JD, Geng X, Danishefsky SJ (2007) Synthetic Glycopeptide-Based Vaccines. 267: 109–141
Wasielewski MR, see Weiss EA (2005) 257: 103–133

- Weide T, Modlinger A, Kessler H (2007) Spatial Screening for the Identification of the Bioactive Conformation of Integrin Ligands. *272*: 1–50
- Weiss EA, Wasielewski MR, Ratner MA (2005) Molecules as Wires: Molecule-Assisted Movement of Charge and Energy. *257*: 103–133
- Weissbuch I, Leiserowitz L, Lahav M (2005) Stochastic “Mirror Symmetry Breaking” via Self-Assembly, Reactivity and Amplification of Chirality: Relevance to Abiotic Conditions. *259*: 123–165
- Wennemers H, see Revell JD (2007) *277*: 251–266
- Wich P, see Schmuck C (2007) *277*: 3–30
- Wicha J, see Plesniak K (2007) *275*: 163–250
- Wiehn M, see Jung N (2007) *278*: 1–88
- Williams JAG (2007) Photochemistry and Photophysics of Coordination Compounds: Platinum. *281*: 205–268
- Williams LD (2005) Between Objectivity and Whim: Nucleic Acid Structural Biology. *253*: 77–88
- Wissinger N, Pianowski Z, Debaene F (2007) Probing Biology with Small Molecule Microarrays (SMM). *278*: 311–342
- Wittmann V, see Specker D (2007) *267*: 65–107
- Wright DW, see Carney CK (2007) *270*: 155–185
- Woelk K, see Niessen HG (2007) *276*: 69–110
- Wolter F, Schoof S, Süßmuth RD (2007) Synopsis of Structural, Biosynthetic, and Chemical Aspects of Glycopeptide Antibiotics. *267*: 143–185
- Wöltinger J, see Greiner L (2007) *276*: 111–124
- Wong C-H, see Thayer DA (2007) *267*: 37–63
- Wong KM-C, see Yam VW-W (2005) *257*: 1–32
- Worgull D, see Gansäuer A (2007) *279*: 25–52
- Wright AT, see Collins BE (2007) *277*: 181–218
- Würthner F, see You C-C (2005) *258*: 39–82
- Xia W, see Scheffer JR (2005) *254*: 233–262
- Yam VW-W, Cheng EC-C (2007) Photochemistry and Photophysics of Coordination Compounds: Gold. *281*: 269–310
- Yam VW-W, Wong KM-C (2005) Luminescent Molecular Rods – Transition-Metal Alkynyl Complexes. *257*: 1–32
- Yamamoto H, see Ueyama N (2007) *271*: 155–193
- Yashima E, see Maeda K (2006) *265*: 47–88
- Yokoyama K, Taira S (2005) Self-Assembly DNA-Conjugated Polymer for DNA Immobilization on Chip. *261*: 91–112
- Yoshikawa I, see Araki K (2005) *256*: 133–165
- Yoshioka R (2007) Racemization, Optical Resolution and Crystallization-Induced Asymmetric Transformation of Amino Acids and Pharmaceutical Intermediates. *269*: 83–132
- You C-C, Dobrawa R, Saha-Möller CR, Würthner F (2005) Metallosupramolecular Dye Assemblies. *258*: 39–82
- Yu J, see Dittrich M (2007) *268*: 319–347
- Yu S-H (2007) Bio-inspired Crystal Growth by Synthetic Templates. *271*: 79–118
- Zampella G, see Bertini L (2007) *268*: 1–46
- Zard SZ, see Quiclet-Sire B (2006) *264*: 201–236
- Zarecki A, see Plesniak K (2007) *275*: 163–250

- Zhang W (2006) Microwave-Enhanced High-Speed Fluorous Synthesis. 266: 145–166
- Zhang X-E, Deng J-Y (2005) Detection of Mutations in Rifampin-Resistant *Mycobacterium Tuberculosis* by Short Oligonucleotide Ligation Assay on DNA Chips (SOLAC). 261: 169–190
- Zimmerman J, Sibi MP (2006) Enantioselective Radical Reactions. 263: 107–162
- Žinić M, see Fages F (2005) 256: 77–131
- Žinić M, Vögtle F, Fages F (2005) Cholesterol-Based Gelators. 256: 39–76
- Zipse H (2006) Radical Stability—A Theoretical Perspective. 263: 163–190
- Zlatušková P, see Stibor I (2005) 255: 31–63
- Zonta C, De Lucchi O, Volpicelli R, Cotarca L (2007) Thione–Thiol Rearrangement: Miyazaki–Newman–Kwart Rearrangement and Others. 275: 131–161
- Zunino F, see Beretta GL (2008) 283: 1–19

Subject Index

- N-Acetyl neuraminic acid 37
- N-Acetylglucosamine (GlcNAc) 38
- N-Acetyltransferases (AACs) 126
- Active site, saturated proton(s) 26
- O-Adenyl transferases (ANTs) 126
- Aminoglycoside antibiotics 118
- , A-site RNA 124
- , bound to enzymes, bacterial resistance 126
- Amphiphilic peptide–lipid interactions 139
- Amylases 101
- inhibitor 1 (α -AI1) 101
- Aneurinibacillus migulanus* (*Bacillus brevis*) 140
- Antibodies, anti-idiotopic 102
- , anti-Lewis Y 89
- Antibody combining site, mimicry 65
- Anticancer vaccines 109
- Anti-idiotopes 103
- , antibodies 102
- Anti-Lewis Y antibodies 89
- Antimicrobial peptide 139
- Argadin–ChiB complex 99
- Argifin–ChiB complex 94

- Bacterial defense proteins, neomycin-B 117
- Bacterial resistance 126
- , conformational restriction 128
- Bilayer thickness 151
- Bone morphogenetic proteins (BMP) 156
- Bound ligand conformation 15
- BRL-16492PA 211

- Caliciviridae 193, 197
- Calmodulin 211
- Carbohydrate-mimetic peptides, therapy 107

- Cation 155
- CCR, transferred (trCCR) 4
- Cell-signaling 155
- Chemical shift anisotropy (CSA) tensor 3
- ChiB, *Serratia marcescens* 93
- Chitinase 107
- inhibitors 93
- Concanavalin A 58, 87, 89, 106
- CORCEMA refinement, bound ligand conformation 28
- CORCEMA-ST 15, 35
- , theory 19
- Cross-correlated relaxation (CCR) 2
- Cryptococcus neoformans* 83, 108
- Cyclic β -sheet structure 139
- 2-Deoxystreptamine ring 118

- DHFR/TMP 42
- Dihydrofolate reductase (DHFR)/trimethoprim (TMP) 42
- 1,2-Dilauroyl-*sn*-glycero-3-phosphocholine (DLPC) 142
- 1,2-Dimyristoyl-*sn*-glycero-3-phosphocholine (DMPC) 142
- 1,2-Dipalmitoyl-*sn*-glycero-3-phosphocholine (DPPC) 142
- DNA vaccines 108
- Drug interaction 203
- Dynamics 155

- E-selectin 105
- Entry inhibitors, viruses 183, 185
- Enzyme active sites, peptide–carbohydrate mimicry 93
- Epitope-masking effect 198
- Epothilone 4

- Finite delays 23
Flexible rotation model, TGF- β receptor rearrangements 166
Fucopeptides 105
Fungal capsular polysaccharide, mimicry 83
- Galactosyltransferase, conformation of UDP-galactose 38
Ganglioside GD1 α /GD2 91, 109
GlcNAc5-ChiB complex 93
Glycopeptides 105
Glycosidase inhibitors 48
Gramicidin S 139
- H3N2 187
Hemagglutinin (HA) 186
Histo-blood group antigens (HBGAs) 193
HIV vaccines 109
Human rhinoviruses 184
-, NMR 189
-, serotype 2 (HRV2) 190
Hyaluronan-mediated motility (RHAMM) mimicry, receptor 90
- ICS-NMR 19
IKK β 1
IL-4 receptor-derived peptide 5
Influenza viruses, NMR 186
Ion traps, TGF- β function 175
Isotope labeling 203
I κ B kinase complex 5
- Kifunensine 48
Knuckle/fingertips epitope 157
- Lactotetraosylceramide 93
LDLR 189
Lectin 35, 58
Ligand-based NMR 183
Ligands, weakly binding, bioactive conformations 1
Lipid membranes 139
Lysozyme 102
- M13 coat protein 5
Macrolide polyketide 4
Maltose binding protein (MBP) 6
Mannopyranosides 58
- Mannose-recognizing proteins, peptide mimics 86
Meningococcal infection 61
Methotrexate 43
Methyl α -d-mannopyranoside 58
Mimicry 61
-, structural 64
Molecular modeling 56, 89
Molecular recognition, neomycin-B 117
Multilevel coordinate search (MCS) 36
- NEMO 1
-, binding domain peptide 5
Neomycin-B 117
-, in solution 119
Neuraminidase 186
NMR samples, oriented, preparation 142
NMR spectroscopy 56
-, in-cell 203
-, ligand-based 183
-, weakly binding ligands 1
¹⁹F-NMR, gramicidin S, oriented membranes 143
-, solid state 139, 143
¹⁵N-NMR, solid state 139, 143
³¹P-NMR, solid state 143
Noroviruses 183, 197
Nuclear Overhauser effect (NOE) 2
- Octapeptide MDWNMHAA 72
- Paromomycin 124
Pentasaccharide-antibody complex 66
Peptide alignment, calculation 147
Peptide mimics 109
-, mannose-recognizing proteins 86
Peptide re-alignment
Peptide self-assembly 139
Peptide-antibody complex 67
Peptide-carbohydrate mimicry 56
-, enzyme active sites 93
-, immunology 57
Peptide-Fab complex, saturation transfer difference NMR 72
Peptides, labelled 142
-, weakly bound, structure determination 5
Phenoxybenzamine 211
Phospholipids, ³¹P-NMR 146
O-Phosphotransferases (APHs) 126

- Polysaccharides, bacterial, mimicry 75
Porcine pancreatic α -amylase (PPA) 101
Pore formation 139
Protein conformations 203, 209
Protein drug screens 211
Protein-carbohydrate mimicry 101
Protein-ligand complexes, binding mode in aqueous solution 48
Protein-ligand interactions 56
Protein-protein interactions 210
Protonated state 119
- Rabbit hemorrhagic disease virus 183, 193
Re-aligned peptide structure 149
Receptor/virus complexes 185
Residual dipolar couplings (RDC) 2
Rhinoviruses, human 183
-, NMR 189
Ribostamycin 127
Rifampicin 209
RNA, neomycin-B 117
RNA-paromomycin 129
RNA-polymerase, bacterial 209
- Saturated proton(s), active site 26
Saturation, non-instantaneous 24
Sialoadhesin 106
Sialoadhesin-sialyl lactose 35
Sialyl lactose-sialoadhesin 35
SICO 15, 28, 38
Siglecs 35
STD intensities, ligand relaxation times 26
-, saturation time 25
STD-NMR 15, 18, 183
-, bound ligand conformation 28
STD-NMR intensity-restrained CORCEMA optimization (SICO) 15, 28, 38
Streptococcus, Group A, large receptor 78
-, Group B, conformational epitope 75
- Streptococcus pneumoniae* type 6B capsular polysaccharide 108
Structure-based drug design 15
SYA/J6 71
- Tetanus toxoid 74, 83
TGF- β , activity, low-affinity sodium/calcium sensing 177
-, biological activity, modulation by cations 174
-, function, ion traps 175
-, principal conformational states 159
-, receptor rearrangements 166
-, signaling complex formation 159, 163
TGF- β 3, binding of cations 169
Torsion angle ϕ 10
Torsion angle ψ 7
Transferred cross-correlated relaxation 2
Transforming growth factor 155
trCCR/trNOE 1
Trimethoprim 42
Tubulin 4
- UDP-Gal 40
- Vaccines 57, 108
-, DNA 108
-, anticancer 109
Viral entry 185
Viral surface proteins 184
VIRIP 185
Virus-ligand interactions 183
-, NMR 186
Virus-like particles (VLPs) 183, 185, 193
VLDLR 192
- Wheat germ agglutinin 106
WIN compounds 190
- X-ray crystallography 56