

- 1676 Synthesis of oligosaccharides related to the repeating unit of the capsular polysaccharide from *Streptococcus pneumoniae* type 37
 E. Andreas Larsson, Mats Sjöberg, and Göran Widmalm
Carbohydr. Res. 340 (2005) 7-13
- 1677 Structure of an acidic polysaccharide from the agar-decomposing marine bacterium *Pseudoalteromonas atlantica* strain IAM 14165 containing 5,7-diacetamido-3,5,7,9-tetradecoxy-L-glycero-L-manno-non-2-ulosonic acid
 A.V. Perepelov, A.S. Shashkov, V.I. Torgov, E.L. Nazarenko, R.P. Gorshkova, E.P. Ivanova, N.M. Gorshkova, and G. Widmalm
Carbohydr. Res. 340 (2005) 69-74
- 1678 Direct organocatalytic polymerization from cellulose fibers
 Jonas Hafrén and Armando Córdova
Macromol. Rapid Commun. 26 (2005) 82-86
- 1679 Structural analysis of the O-antigen polysaccharide from *Escherichia coli* O152
 Ulrika Olsson, Kristina Lycknert, Roland Stenutz, Andrej Weintraub, and Göran Widmalm
Carbohydr. Res. 340 (2005) 167-171
- 1680 Structural studies of an exopolysaccharide produced by *Streptococcus thermophilus* THS
 Eva-Lisa Nordmark, Zhennai Yang, Eine Huttunen, and Göran Widmalm
Biomacromolecules 6 (2005) 105-108
- 1681 Dynamics in the cyclic enterobacterial common antigen as studied by ¹³C NMR relaxation
 August Andersson, Åsa Ahl, Robert Eklund, Göran Widmalm, and Lena Mäler
J. Biomolecular NMR 31 (2005) 311-320
- 1682 Structural studies of the exopolysaccharide produced by *Propionibacterium freudenreichii* ssp. *shermanii* JS
 Eva-Lisa Nordmark, Zhennai Yang, Eine Huttunen, and Göran Widmalm
Biomacromolecules 6 (2005) 521-523
- 1683 Preparation and redox properties of *N,N,N*-1,3,5-trialkylated flavin derivatives and their activity as redox catalysts
 Auri A. Lindén, Nina Hermanns, Sascha Ott, Lars Krüger, and Jan-Erling Bäckvall
Chem. Eur. J. 11 (2005) 112-119
- 1684 Fast and mild palladium(II)-catalyzed 1,4-oxidation of 1,3-dienes *via* activation of molecular oxygen with a designed cobalt(II) porphyrin
 Renzo C. Verboom, Vincent F. Slagt, and Jan-Erling Bäckvall
Chem. Commun. (2005) 1282-1284
- 1685 Dinuclear manganese complexes for artificial photosynthesis. Synthesis and properties.
 Magnus Anderlund
 Doktorsavhandling. Stockholm University, 2005
- 1686 Structural elucidation of the O-antigenic polysaccharide from the enteroaggregative *Escherichia coli* strain 180/C3 and its immunochemical relationship with *E. coli* O5 and O65
 F. Urbina, E.-L. Nordmark, Z. Yang, A. Weintraub, F. Scheutz, and Göran Widmalm
Carbohydr. Res. 340 (2005) 645-650
- 1687 Stereospecific and regioselective opening of an oxirane system. A new efficient entry to 1- or 3-monoacyl- and 1- or 3-monoalkyl-*sn*-glycerols
 Stephan D. Stamatov and Jacek Stawinski
Tetrahedron Lett. 46 (2005) 1601-1605
- 1688 Direct amino acid catalyzed asymmetric synthesis of polyketide sugars

- Jesús Casas, Magnus Engqvist, Ismail Ibrahim, Betül Kaynak, and Armando Córdova
Angew. Chem. Int. Ed. 44 (2005) 1343-1345
- 1689 Amygdalin trihydrate
 Lars Eriksson and Göran Widmalm
Acta Cryst. E 61 (2005) o860-o862
- 1690 Regioselective opening of an oxirane system with trifluoroacetic anhydride. A general method for the synthesis of 2-monoacyl- and 1,3-symmetrical triacylglycerols
 Stephan D. Stamatov and Jacek Stawinski
Tetrahedron 61 (2005) 3659-3669
- 1691 Ruthenium(II) polypyridyl complexes in supramolecular systems relevant to artificial photosynthesis
 Henriette Wolpher
 Doktorsavhandling. Stockholm University, 2005
- 1692 Synthesis and photoinduced electron transfer of donor-sensitizer-acceptor systems
 Yunhua Xu
 Doktorsavhandling. Stockholm University, 2005
- 1693 Ej utnyttjat nummer
- 1694 Chemical and stereochemical aspects of oxidative coupling of H-phosphonate and H-phosphonothioate diesters. Reactions with *N,N,N,O*- and *O,O*-binucleophiles
 Johan Nilsson, Adam Kraszewski, and Jacek Stawinski
Letters in Organic Chemistry 2 (2005) 188-197
- 1695 Direct organocatalytic asymmetric α -oxidation of ketones with iodosobenzene and *N*-sulfonyloxaziridines
 Magnus Engqvist, Jesús Casas, Henrik Sundén, Ismail Ibrahim, and Armando Córdova
Tetrahedron Lett. 46 (2005) 2053-2057
- 1696 Palladium pincer complex catalyzed stannyl and silyl transfer to propargylic substrates: synthetic scope and mechanism
 Johan Kjellgren, Henrik Sundén, and Kálmán J. Szabó
J. Am. Chem. Soc. 127 (2005) 1787-1796
- 1697 Kinetic resolution and chemoenzymatic dynamic kinetic resolution of functionalized γ -hydroxy amides
 Ann-Britt L. Fransson, Linnea Borén, Oscar Pàmies, and Jan-Erling Bäckvall
J. Org. Chem. 70 (2005) 2582-2587
- 1698 Direct amino acid-catalyzed enantioselective α -oxidations and asymmetric *de novo* synthesis of carbohydrates
 Magnus Engqvist
 Doktorsavhandling. Stockholm University, 2005
- 1699 Employment of palladium pincer complex catalysts and Lewis acids for synthesis and transformation of organometallic compounds
 Johan Kjellgren
 Doktorsavhandling. Stockholm University, 2005
- 1700 Ruthenium-catalyzed hydrogen transfer involving amines and imines. Mechanistic studies and synthetic applications.
 Joseph S.M. Samec
 Doktorsavhandling. Stockholm University, 2005
- 1701 (*R*)- and (*S*)-Selective chemoenzymatic dynamic kinetic resolution of functionalized secondary alcohols
 Linnéa Borén
 Licentiatuppsats. Stockholm University, 2005
- 1702 Development of highly modular ligands for use in asymmetric transition metal-catalyzed reactions
 Patrik Västilä

Doktorsavhandling. Stockholm University, 2005

- 1703 Synthesis of oligosaccharides for interaction studies with various lectins
Emiliano Gemma
Doktorsavhandling. Stockholm University, 2005
- 1704 Theoretical investigations on the mechanism of chalcogens exchange reaction between P(V) and P(III) compounds
Martin Kullberg and Jacek Stawinski
J. Organometallic Chem. 690 (2005) 2571-2576
- 1705 Plausible origins of homochirality in the amino acid catalyzed neogenesis of carbohydrates
Armando Córdova, Magnus Engqvist, Ismail Ibrahim, Jesús Casas, and Henrik Sundén
Chem. Commun. (2005) 2047-2049
- 1706 A stereoselective approach to phosphodiester-linked oligomers of the repeating unit of *Escherichia coli* K52 capsular polysaccharide containing β -D-fructofuranosyl moieties
Stefan Oscarson and Fernando W. Sehgelmeble
Tetrahedron: Asymmetry 16 (2005) 121-125
- 1707 Block synthesis of *Streptococcus pneumoniae* type 14 capsular polysaccharide structures
Andreas Sundgren, Martina Lahmann, and Stefan Oscarson
J. Carbohydr. Res. 24 (2005) 379-391
- 1708 Receptor binding studies disclose a novel class of high-affinity inhibitors of the *Escherichia coli* FimH adhesin
J. Bouckaert, J. Berglund, M. Schembri, E. De Genst, L. Cools, M. Wuhler, C.-S. Hung, J. Pinkner, R. Slättegård, A. Zavialov, D. Choudhury, S. Langermann, S.J. Hultgren, L. Wyns, P. Klemm, S. Oscarson, S.D. Knight, and H. De Greve
Mol. Microbiol. 55 (2005) 441-455
- 1709 Palladium pincer-complex catalyzed allylation of tosylimines by potassium trifluoro(allyl)borates
Niclas Solin, Olov A. Wallner, and Kálmán J. Szabó
Org. Lett. 7 (2005) 689-691
- 1710 Pentacarbonyl(diphenyl(*N*-propylamine)-phosphine)diiron(μ -1,3-propanedithiolate)
Jesper Ekström, Sascha Ott, Licheng Sun, Björn Åkermark, and Lars Eriksson
Acta Cryst. E 61 (2005) m852-m853
- 1711 Amino acid-catalyzed direct enantioselective synthesis of β -amino- α -oxyaldehydes
Ismail Ibrahim and Armando Córdova
Tetrahedron Lett. 46 (2005) 2839-2843
- 1712 Amino acid catalyzed direct enantioselective formation of carbohydrates: one-step de novo synthesis of ketoses
Ismail Ibrahim and Armando Córdova
Tetrahedron Lett. 46 (2005) 3363-3367
- 1713 Novel organic catalysts for the direct enantioselective α -oxidation of carbonyl compounds
Henrik Sundén, Nils Dahlin, Ismail Ibrahim, Hans Adolfsson, and Armando Córdova
Tetrahedron Lett. 46 (2005) 3385-3389
- 1714 Enantioselective addition of aldehydes to amines via combined catalytic biomimetic oxidation and organocatalytic C–C bond formation
Ismail Ibrahim, Joseph S.M. Samec, Jan-Erling Bäckvall, and Armando Córdova
Tetrahedron Lett. 46 (2005) 3965-3968

- 1715 Computational analysis of carbohydrates: dynamical properties and interactions
Robert Eklund
Doktorsavhandling. Stockholm University, 2005
- 1716 Synthesis of oligosaccharides related to the capsular polysaccharide of *Neisseria meningitidis* serotype A
Peter Teodorovic
Doktorsavhandling. Stockholm University, 2005
- 1717 Ruthenium-catalyzed redox reactions and lipase-catalyzed asymmetric transformations of alcohols
Michaela Edin
Doktorsavhandling. Stockholm University, 2005
- 1718 Banana lectin is unique in its recognition of the *reducing* unit of 3-O- β -glucosyl/mannosyl disaccharides: a calorimetric study
H.C. Winter, S. Oscarson, R. Slättegård, M. Tian, and I.J. Goldstein
Glycobiology 15 (2005) 1043-1050
- 1719 Impact of natural variation in bacterial F17G adhesins on crystallization behaviour
L. Buts, A. Wellens, I. Van Molle, L. Wyns, R. Loris, M. Lahmann, S. Oscarson, H. De Greve, and J. Bouckaert
Acta Cryst. D61 (2005) 1149-1159
- 1720 Structure of an acidic polysaccharide from the marine bacterium *Pseudoalteromonas aliena* type strain KMM 3562^T containing two residues of L-serine in the repeating unit
E.-L. Nordmark, A.V. Perepelov, A.S. Shashkov, E.L. Nazarenko, R.P. Gorshkova, E.P. Ivanova, and G. Widmalm
Carbohydr. Res. 340 (2005) 1483-1487
- 1721 Structure of the O-specific polysaccharide from *Shewanella japonica* type strain KMM 3299^T containing the rare amino sugar Fuc4NAc
M. Kilcoyne, A.S. Shashkov, A.V. Perepelov, E.L. Nazarenko, R.P. Gorshkova, E.P. Ivanova, G. Widmalm, and A.V. Savage
Carbohydr. Res. 340 (2005) 1557-1561
- 1722 Structural studies of lipopolysaccharides from the gram-negative bacterium *Escherichia coli*
Tara Ali
Licentiatuppsats. Stockholm University, 2005
- 1723 Development of palladium-catalyzed transformations involving allylboranes
Sara Sebelius
Licentiatuppsats. Stockholm University, 2005
- 1724 Osmium-catalysed dihydroxylation of alkenes by H₂O₂ in room temperature ionic liquid using different coupled catalytic systems
Mikael Johansson
Licentiatuppsats. Stockholm University, 2005
- 1725 Allylation of aldehyde and imine substrates with in situ generated allylboronates – a simple route to enantioenriched homoallyl alcohols
Sara Sebelius and Kálmán Szabó
Eur. J. Org. Chem. (2005) 2539-2547
- 1726 Organocatalytic hydride transfers: a new concept in asymmetric hydrogenations
Hans Adolfsson
Angew. Chem. Int. Ed. 44 (2005) 3340-3342

- 1727 Synthesis of the tetrasaccharide α -D-Glcp-(1 $\rightarrow$ 3)- α -D-Manp-(1 $\rightarrow$ 2)- α -D-Manp-(1 $\rightarrow$ 2)- α -D-Manp recognized by Calreticulin/Calnexin
Emiliano Gemma, Martina Lahmann, and Stefan Oscarson
Carbohydr. Res. 340 (2005) 2558-2562
- 1728 Influence of tertiary phosphanes on the coordination configurations and electrochemical properties of iron hydrogenase model complexes: crystal structures of $[(\mu\text{-S}_2\text{C}_3\text{H}_6)\text{Fe}_2(\text{CO})_{6-n}\text{L}_n](\text{L} = \text{PME}_2\text{Ph}, n = 1, 2; \text{PPh}_3, \text{P}(\text{OEt})_3, n = 1)$
P. Li, M. Wang, C. He, G. Li, X. Liu, C. Chen, B. Åkermark, and L. Sun
Eur. J. Inorg. Chem. (2005) 2506-2513
- 1729 Direct catalytic enantioselective aza-Diels–Alder reactions
Henrik Sundén, Ismail Ibrahim, Lars Eriksson, and Armando Córdova
Angew. Chem. Int. Ed. 44 (2005) 4877-4880
- 1730 Efficient ruthenium-catalyzed aerobic oxidation of amines by using a biomimetic coupled catalytic system
Joseph S.M. Samec, Alida H. Éll, and Jan-Erling Bäckvall
Chem. Eur. J. 11 (2005) 2327-2334
- 1731 Amino acid catalyzed neogenesis of carbohydrates: a plausible ancient transformation
Armando Córdova, Ismail Ibrahim, Jesús Casas, Henrik Sundén, Magnus Engqvist, and Efraim Reyes
Chem. Eur. J. 11 (2005) 4772-4784
- 1732 Structural studies of the O-antigenic polysaccharides from the enteroaggregative *Escherichia coli* strain 522/C1 and the international type strain from *Escherichia coli* O178
Tara Ali, Felipe Urbina, Andrej Weintraub, and Göran Widmalm
Carbohydr. Res. 340 (2005) 2010-2014
- 1733 Axial ligand exchange reaction on ruthenium phthalocyanines
Xichuan Yang, Mikael Kritikos, Björn Åkermark, and Licheng Sun
J. Porphyrins Phthalocyanines 9 (2005) 248-255
- 1734 Resolving overlap in two-dimensional NMR spectra: nuclear Overhauser effects in a polysaccharide
Eriks Kupce, Toshiaki Nishida, Göran Widmalm, and Ray Freeman
Magn. Reson. Chem. 43 (2005) 791-794
- 1735 Efficient ruthenium catalyzed transfer hydrogenation of functionalized imines by isopropanol under controlled microwave heating
Joseph S.M. Samec, Laetitia Mony, and Jan-Erling Bäckvall
Can. J. Chem. 83 (2005) 909-916
- 1736 Kinetic resolution and chemoenzymatic dynamic kinetic resolution of functionalized γ -hydroxy amides
Ann-Britt L. Fransson, Linnéa Borén, Oscar Pàmies, and Jan-Erling Bäckvall
J. Org. Chem. 70 (2005) 2582-2587
- 1737 Osmium-catalyzed dihydroxylation of alkenes by H_2O_2 in room temperature ionic liquid co-catalyzed by $\text{VO}(\text{acac})_2$ or MeReO_3
Mikael Johansson, Auri A. Lindén, and Jan-Erling Bäckvall
J. Organomet. Chem. 690 (2005) 3614-3619
- 1738 Combined ruthenium(II) and lipase catalysis for efficient dynamic kinetic resolution of secondary alcohols. Insight into the racemization mechanism.
Belén Martín-Matute, Michaela Edin, Krisztián Bogár, F. Betül Kaynak, and Jan-Erling Bäckvall
J. Am. Chem. Soc. 127 (2005) 8817-8825

- 1739 Synthesis and redox properties of a [*meso*-tris(4-nitrophenyl)corrolato]Mn(III) complex
Jacob Fryxelius, Gerriet Eilers, Yashar Feyziyev, Ann Magnuson, Licheng Sun, and Reiner Lomoth
J. Porphyrins Phthalocyanines 9 (2005) 379-386
- 1740 Synthesis and immunological studies of glycoconjugates of *Cryptococcus neoformans* capsular glucuronoxylomannan oligosaccharide structures
Stefan Oscarson, Mia Alpe, Pär Svahnberg, Antonio Nakouzi, and Arturo Casadevall
Vaccine 23 (2005) 3961-3972
- 1741 2-(Aminomethyl)-oxazolines: highly modular scaffolds for the preparation of novel asymmetric ligands
Patrik Västilä, Isidro M. Pastor, and Hans Adolfsson
J. Org. Chem. 70 (2005) 2921-2929
- 1742 Ethyl 2-acetamido-4,6-di-*O*-benzyl-2,3-*N,O*-carbonyl-2-deoxy-1-thio- β -D-glycopyranoside as a versatile GlcNAc donor
Mike Boysen, Emiliano Gemma, Martina Lahmann, and Stefan Oscarson
Chem. Commun. (2005) 3044-3046
- 1743 Flavins as biomimetic catalysts for sulfoxidation by H₂O₂: Catalyst immobilization in ionic liquid for H₂O₂ oxidations.
Auri Lindén
Doktorsavhandling. Stockholm University, 2005
- 1744 Spectroscopic and crystallographic evidence for the N-protonated Fe^IFe^I azadithiolate complex related to the active site of Fe-only hydrogenases
F. Wang, M. Wang, X. Liu, K. Jin, W. Dong, G. Li, B. Åkermark, and L. Sun
Chem. Commun. (2005) 3221-3223
- 1745 Acyclic amino acid-catalyzed direct asymmetric aldol reactions: alanine, the simplest stereoselective organocatalyst
Armando Córdova, Weibiao Zou, Ismail Ibrahim, Efraim Reyes, Magnus Engqvist, and Wei-Wei Liao
Chem. Commun (2005) 3586-3588
- 1746 Synthesis of structures corresponding to the capsular polysaccharide of *Neisseria meningitidis* group A
Rikard Slättegård, Peter Teodorovic, Henok Hadgu Kinfe, Neil Ravenscroft, David W. Gammon, and Stefan Oscarson
Org. Biomol. Chem. 3 (2005) 3782-3787
- 1747 Conformational analysis of a tetrasaccharide based on NMR spectroscopy and molecular dynamics simulations
Clas Landersjö, Jennie L.M. Jansson, Arnold Maliniak, and Göran Widmalm
J. Phys. Chem. B 109 (2005) 17320-17326
- 1748 Palladium pincer complex catalyzed cross-coupling of vinyl epoxides and aziridines with organoboronic acids
Johan Kjellgren, Juhanes Aydin, Olov A. Wallner, Irina V. Saltanova, and Kálmán J. Szabó
Chem. Eur. J. 11 (2005) 5260-5268
- 1749 Synthesis of oligosaccharides corresponding to the capsular polysaccharide of *Neisseria meningitidis* serogroup A
Rikard Slättegård
Licentiatuppsats. Stockholm University, 2005
- 1750 Small peptides as modular catalysts for the direct asymmetric aldol reaction: ancient peptides with aldolase enzyme activity
Weibiao Zou, Ismail Ibrahim, Pawel Dziedzic, Henrik Sundén, and Armando Córdova
Chem. Commun (2005) 4946-4948
- 1751 Sodium [1,2-bis(2-methyl-2-oxopropanamido)-benzene](tetrahydrofuran)manganese(III) methanol solvate
Gustav Berggren, Magnus F. Anderlund, Ann Magnuson, Björn Åkermark, and Lars Eriksson
Acta Cryst. E 61 (2005) m1169-m1171

- 1752 Improved synthesis of 1,3,4,6-tetra-*O*-acetyl-2-azido-2-deoxy- α -D-mannopyranose
Peter Teodorovic, Rikard Slättegård, and Stefan Oscarson
Carbohydr. Res. 340 (2005) 2675-2676
- 1753 Developing synthetic methods for bioactive phosphorus compound using H-phosphonate chemistry: a progress report
T. Johansson, J. Nilsson, M. Kullberg, G. Lavén, M. Sobkowski, A. Szymanska, M. Szymczak, and J. Stawinski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 353-357
- 1754 Oxidative transformations of nucleoside fluorenylmethyl H-phosphonoselenoate diesters
Martin Kullberg and Jacek Stawinski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 659-661
- 1755 Aryl nucleoside H-phosphonates as a tool for investigation of stereospecificity during coupling
Michal Sobkowski, Jadwiga Jankowska, Jacek Stawinski, and Adam Kraszewski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 887-890
- 1756 The effect of phenolates in the (salen)Mn-catalyzed epoxidation reactions
Christian Linde, Magnus F. Anderlund, and Björn Åkermark
Tetrahedron Lett. 46 (2005) 5597-5600
- 1757 Highly efficient redox isomerization of allylic alcohols at ambient temperature catalyzed by novel ruthenium-cyclopentadienyl complexes—new insight into the mechanism
Belén Martín-Matute, Krisztián Bogár, Michaela Edin, F. Betül Kaynak, and Jan-Erling Bäckvall
Chem. Eur. J. 11 (2005) 5832-5842
- 1758 Direct acylation across a silyloxy system of glycerol with carboxylic acid anhydrides: a novel strategy to the prodrug carrier modules – 1,3-diacyl-*sn*-glycerols
Stephan D. Stamatov and Jacek Stawinski
Synlett (2005) 2587-2590
- 1759 A conformational dynamics study of α -L-Rhap-(1 $\rightarrow$ 2)[α -L-Rhap-(1 $\rightarrow$ 3)]- α -L-Rhap-OMe in solution by NMR experiments and molecular simulations
Robert Eklund, Kristina Lycknert, Peter Söderman, and Göran Widmalm
J. Phys. Chem. B 109 (2005) 19936-19945
- 1760 Formal synthesis of valienamine using ring-closing metathesis
Ian Cumpstey
Tetrahedron Lett. 46 (2005) 6257-6259
- 1761 Iron hydrogenase active site mimics in supramolecular systems aiming for light-driven hydrogen production
Licheng Sun, Björn Åkermark, and Sascha Ott
Coordination Chemistry Reviews 249 (2005) 1653-1663
- 1762 A cautionary note on the use of the ^{31}P NMR spectroscopy in stereochemical correlation analysis
Michal Sobkowski, Jadwiga Jankowska, Jacek Stawinski, and Adam Kraszewski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 1033-1036
- 1763 Stereochemistry of internucleotide bond formation by the *H*-phosphonate method. 1. Synthesis and ^{31}P NMR analysis of 16 diribonucleoside (3'-5')-*H*-phosphonates and the corresponding phosphorothioates.
Michal Sobkowski, Jadwiga Jankowska, Adam Kraszewski, and Jacek Stawinski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 1469-1484
- 1764 Preparation of nucleoside H-phosphonoselenoate monesters via the phosphinate approach
Martin Kullberg and Jacek Stawinski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 1627-1633

- 1765 The origin of stereoselectivity in primary amino acid catalyzed intermolecular aldol reactions
Arianna Bassan, Weibiao Zou, Efraim Reyes, Fahmi Himo, and Armando Córdova
Angew. Chem. Int. Ed. 44 (2005) 7028-7032
- 1766 A new strategy for the improvement of photophysical properties in ruthenium(II) polypyridyl complexes. Synthesis and photophysical and electrochemical characterization of six mononuclear ruthenium(II) bisterpyridine-type complexes.
M. Abrahamsson, H. Wolpher, O. Johansson, J. Larsson, M. Kritikos, L. Eriksson, P.-O. Norrby, J. Bergquist, L. Sun, B. Åkermark, and L. Hammarström
Inorg. Chem. 44 (2005) 3215-3225
- 1767 Employment of palladium pincer-complexes in phenylselenylation of organohalides
Olov A. Wallner and Kálmán J. Szabó
J. Org. Chem. 70 (2005) 9215-9221
- 1768 *In situ* formation of ligand and catalyst—application in ruthenium-catalyzed enantioselective reduction of ketones
Patrik Västilä, Jenny Wettergren and Hans Adolfsson
Chem. Commun. (2005) 4039-4041
- 1769 Thermodynamic, kinetic, and electron microscopy studies of concanavalin A and *Dioclea grandiflora* lectin cross-linked with synthetic divalent carbohydrates
T.K. Dam, S. Oscarson, R. Roy, S.K. Das, D. Pagé, F. Macaluso, and C.F. Brewer
J. Biol. Chem. 280 (2005) 8640-8646
- 1770 Palladium(0)-catalyzed cycloisomerization of enallenes
Katja Närhi, Johan Franzén, and Jan-Erling Bäckvall
Chem. Eur. J. 11 (2005) 6937-6943
- 1771 Palladium pincer complex catalyzed substitution of vinyl cyclopropanes, vinyl aziridines, and allyl acetates with tetrahydroxydiboron. An efficient route to functionalized allylboronic acids and potassium trifluoro(allyl)borates.
Sara Sebelius, Vilhelm J. Olsson, and Kálmán Szabó
J. Am. Chem. Soc. 127 (2005) 10478-10479
- 1772 The fucose-binding lectin from *Ralstonia solanacearum*
N. Kostlánová, E.P. Mitchell, H. Lortat-Jacob, S. Oscarson, M. Lahmann, N. Gilboa-Garber, G. Chambat, M. Wimmerová, and A. Imberty
J. Biol. Chem. 280 (2005) 27839-27849
- 1773 Studies on nucleoside H-phosphonoselenoate chemistry and chalcogen exchange reaction between P(V) and P(III) compounds
Martin Kullberg
Doktorsavhandling. Stockholm University, 2005
- 1774 Amino acid-catalyzed dynamic kinetic asymmetric transformations (DYKAT): one-step de novo synthesis of polyketide sugars from racemic β -hydroxy aldehydes
Efraim Reyes and Armando Córdova
Tetrahedron Lett. 46 (2005) 6605-6609
- 1775 Acyclic chiral amines and amino acids as inexpensive and readily tunable catalysts for the direct asymmetric three-component Mannich reaction
Ismail Ibrahim, Weibiao Zou, Magnus Engqvist, Yongmei Xu, and Armando Córdova
Chem. Eur. J. 11 (2005) 7024-7029
- 1776 Novel amine-catalyzed direct highly enantioselective α -oxidation, one-pot three-component aza-Diels-Alder and epoxidation reactions
Henrik Sundén
Licentiatuppsats. Stockholm University, 2005

- 1777 Conformational analysis of carbohydrates using $^3J_{C,H}$ and $^3J_{C,C}$ values
Ulrika Olsson
Licentiatuppsats. Stockholm University, 2005
- 1778 Towards light induced hydrogen production: synthesis and characterization of iron hydrogenase active site model complexes
Jesper Ekström
Licentiatuppsats. Stockholm University, 2005
- 1779 Synthesis and characterization of dinuclear ruthenium complexes covalently linked to Ru^{II} tris-bipyridine: an approach to mimics of the donor side of photosystem II
Y. Xu, G. Eilers, M. Borgström, J. Pan, M. Abrahamsson, A. Magnuson, R. Lomoth, J. Bergquist, T. Polívka, L. Sun, V. Sundström, S. Styring, L. Hammarström, and B. Åkermark
Chem. Eur. J. 11 (2005) 7305-7314
- 1780 Chemoenzymatic dynamic kinetic resolution of primary amines
Jens Paetzold and Jan-Erling Bäckvall
J. Am. Chem. Soc. 127 (2005) 17620-17621
- 1781 Light induced manganese oxidation and long-lived charge separation in a $Mn_2^{II,II}-Ru^{II}(bpy)_3$ -acceptor triad
M. Borgström, N. Shaikh, O. Johansson, M.F. Anderlund, S. Styring, B. Åkermark, A. Magnuson, and L. Hammarström
J. Am. Chem. Soc. 127 (2005) 17504-17515
- 1782 Direct organic acid-catalyzed polyester derivatization of lignocellulosic material
Armando Córdova and Jonas Hafrén
Nordic Pulp Paper Res. J. 20 (2005) 477-480
- 1783 Enantioselective α -arylation of cyclohexanones with diaryl iodonium salts: application to the synthesis of (–)-epibatidine
Varinder K. Aggarwal and Berit Olofsson
Angew. Chem. Int. Ed. 44 (2005) 5516-5519
- 1784 Enantioselective α -arylation of cyclohexanones with diaryl iodonium salts: application to the synthesis of (–)-epibatidine
Varinder K. Aggarwal and Berit Olofsson
Angew. Chem 117 (2005) 5652-5655
- 1785 Stereochemistry of internucleotide bond formation by the *H*-phosphonate method. 2. Transesterification of aryl ribonucleoside *H*-phosphonate diesters with alcohols.
Michał Sobkowski, Jadwiga Jankowska, Jacek Stawinski, and Adam Kraszewski
Collection Symposium Series 7 (2005) 183-187
- 1786 Developing synthetic methods for bioactive phosphorus compounds. A progress report.
Johan Nilsson, Thomas Szabo, Gaston Lavén, Martin Kullberg, Adam Kraszewski, and Jacek Stawinski
Collection Symposium Series 7 (2005) 189-193
- 1787 Synthetic studies on the preparation of dinucleoside phenylphosphonates and phenylphosphonothioates via palladium(0) catalysed cross-coupling
Gaston Lavén and Jacek Stawinski
Collection Symposium Series 7 (2005) 195-199
- 1788 Determination of absolute configuration of nucleoside 3'-H-phosphonothioate monoesters via stereochemical correlation analysis
Renata Hiresova, Liubov Putilova, Martin Kullberg, and Jacek Stawinski
Collection Symposium Series 7 (2005) 201-205

- 1789 Reactions of H-phosphonate and H-phosphonothioate diesters with carbonyl compounds. ^{31}P NMR studies.
Martin Kullberg and Jacek Stawinski
Collection Symposium Series 7 (2005) 207-211
- 1790 A proposal of D_p/L_p notation for nucleotide analogues with a chiral phosphorus centre
Michal Sobkowski, Jacek Stawinski, and Adam Kraszewski
Collection Symposium Series 7 (2005) 467-469
- 1791 A proposal for a new stereochemical notation for *P*-chiral nucleotide analogues and related compounds
Michal Sobkowski, Jacek Stawinski, and Adam Kraszewski
Nucleosides, Nucleotides, and Nucleic Acids 24 (2005) 1301-1307
- 1792 Nucleoside H-phosphonates XX. Efficient method for the preparation of nucleoside H-phosphonoselenoate monoesters.
Martin Kullberg and Jacek Stawinski
Synthesis (2005) 1668-1674
- 1793 A direct transformation of *O*-silyl groups into *O*-trichloroacetates. A novel synthetic approach to protein kinase C ligands: 1-oleoyl-2-acetyl- and 1-hexadecyl-2-acetyl-*sn*-glycerols
Stephan D. Stamatov, Martin Kullberg, and Jacek Stawinski
Tetrahedron Lett. 46 (2005) 6855-6859

"NMR and molecular dynamics simulation studies of oligosaccharides", licentiatuppsats i fysikalisk kemi, Stockholms Universitet, 2005, har utförts av Jennie L.M. Jansson, gemensam doktorand. Den finns arkiverad på Inst för fysikalisk kemi.