

## Publikationsliste Prof. Dr. Gerhard Hilt

Institut für Chemie – Universität Oldenburg (Stand Januar 2023)

### 2023

185. G. Hilt *Synthesis* **2023**, 54, A-O  
*The Synthetic Approaches to 1,2-Chlorohydrins.*

184. G. Hilt, *Synlett* **2023**, 34, 23-28  
*A Twenty-Year Survey in Low-Valent Cobalt-Catalyzed Transformations Comes to an End - A Farewell.*

### 2022

183. B. P. Klein, M. A. Stoodley, M. Edmondson, L. A. Rochford, M. Walker, L. Sattler, S. M. Weber, G. Hilt, L. B. S. Williams, T.-L. Lee, A. Saywell, R. J. Maurer, D. A. Duncan *Appl. Phys. Lett.* **2022**, 121, 191603;  
*Using polycyclic aromatic hydrocarbons for graphene growth on Cu(111) under ultra-high vacuum.*

182. M. Jamshidi, C. Fastie, G. Hilt *Synthesis* **2022**, 54, accepted  
*Applications of Alternating Current/Alternating Potential Electrolysis in Organic Synthesis*

181. B. P. Klein, A. Ihle, S. R. Kachel, L. Ruppenthal, S. J. Hall, L. Sattler, S. M. Weber, J. Herritsch, A. Jaegermann, D. Ebeling, R. J. Maurer, G. Hilt, R. Tonner-Zech, A. Schirmeisen, J. M. Gottfried *ACS Nano* **2022**, 16, 8, 11979–11987  
*Topological Stone-Wales Defects Enhance Bonding and Electronic Coupling at the Graphene/Metal Interface*

### 2021

180. J. Fährmann, L. Hermann, G. Hilt, *Synthesis* **2021**, 54, 2005-2018  
*The Application of 1,2-Oxazines as Chiral Cyclic Weinreb-Amide Type Auxiliaries Leading to a Three-Component, One-Pot Reaction*

179. J. Strehl, C. Fastie, G. Hilt, *Chem. Eur. J.* **2021**, 27, 17341-17345  
*The Electrochemical cis-Chlorination of Alkenes.*

178. L. Li, S. Kail, S. M. Weber, G. Hilt, *Angew. Chem.* **2021**, accepted. *Angew. Chem. Int. Ed.*, **2021**, accepted  
*Indium-Catalysed Transfer-Hydrogenation for the Reductive Cyclisation of 2-Alkynyl Enones towards Trisubstituted Furans.*

177. J. Strehl, G. Hilt, *Eur. J. Org. Chem.* **2021**, accepted  
*Synthesis of Symmetrical and Unsymmetrical Thiosulfonates from Disulfides via Electrochemical Induced Disulfide Bond Metathesis and Site-Selective Oxidation.*

176. J. Fährmann, G. Hilt, *Angew. Chem.* **2021**, 133, 20476-20480. *Angew. Chem. Int. Ed.*, **2021**, 60, 20313-20317.  
*Alternating Current Electrolysis as Efficient Tool for the Direct Electrochemical Oxidation of Hydroxamic Acids for Acyl Nitroso Diels-Alder Reactions.*

175. L. Li, G. Hilt, *Chem. Eur. J.* **2021**, *27*, 11221-11225.  
*Indium Tribromide-catalysed Transfer-Hydrogenation - Expanding the Scope of the Hydrogenation and of the Regiodivergent DH or HD Addition to Alkenes.*
173. J. Strehl, M. L. Abraham, G. Hilt, *Angew. Chem.* **2021**, *133*, 10084-10088. *Angew. Chem. Int. Ed.* **2021**, *60*, 9996-10000.  
*Linear Paired Electrolysis - Realizing 200% Current Efficiency for Stoichiometric Transformations - The Electrochemical Bromination of Alkenes.*
172. S. M. Weber, G. Hilt, *Front. Chem.* **2021**, *9*, 635826.  
*Late 3d Metal-Catalyzed (Cross)-Dimerization of Terminal and Internal Alkynes.*
171. B. P. Klein, L. Ruppenthal, S. J. Hall, L. E. Sattler, S. M. Weber, J. Herritsch, A. Jaegermann, R. Maurer, G. Hilt, M. Gottfried, *ChemPhysChem* **2021**, *accepted*.  
*Topology Effects in Molecular Organic Electronic Materials: Pyrene and Azupyrene.*
170. L. E. Sattler, G. Hilt, *Chem. Eur. J.* **2021**, *27*, 605-608.  
*Iodonium Cation-Pool Electrolysis for the Three-Component Synthesis of 1,3-Oxazoles.*

## 2020

169. C. Kohlmeyer, A. Schäfer, P. H. Huy, G. Hilt, *ACS Catal.* **2020**, *10*, 11567-11577.  
*Formamide Catalyzed Nucleophilic Substitutions: Mechanistic Insight and Rationalization of Catalytic Activity.*
168. J. Strehl, G. Hilt, *Org. Lett.* **2020**, *22*, 5968-5972.  
*Electrochemical, Iodine-Mediated  $\alpha$ -CH Amination of Ketones by Umpolung of Silyl Enol Ethers.*
167. C. K. Krug, M. Zugermeier, J. Kuttner, M. Schmid, G. Hilt, J. M. Gottfried, *J. Phys. Chem.* **2020**, *124*, 15928-15934.  
*Polymorphism at the Metal/Organic Interface: Hybrid Phase with Alternating Coplanar and Vertical Adsorption Geometry.*
166. L. E. Sattler, G. Hilt, *J. Org. Chem.* **2020**, *85*, 7595-7602.  
*Allylic Oxidation of Ester-substituted 1,4-Dienes.*
165. S. M. Weber, J. Queder, G. Hilt, *Chem. Eur. J.* **2020**, *26*, 12129-12133.  
*Ligand-Controlled Diastereoselective Cobalt-Catalysed Hydroalkynylation of Terminal Alkynes to E- or Z-1,3-Enynes.*
164. E. Babaoglu, G. Hilt, *Chem. Eur. J.* **2020**, *26*, 8879-8884.  
*Electrochemical Iodine-Mediated Oxidation of Enamino-Esters to 2H-Azirine-2-Carboxylates supported by Design of Experiments.*
163. L. Li, G. Hilt, *Org. Lett.* **2020**, *22*, 1628-1632.  
*Regiodivergent DH or HD Addition to Alkenes: Deuterohydrogenation vs. Hydrodeuterogenation.*
162. M. Hapke, G. Hilt, *Cobalt-Catalysis in Organic Synthesis: Methods and Reactions*, **2020**, Wiley-VCH

161. L. E. Sattler, C. J. Otten, G. Hilt, *Chem. Eur. J.* **2020**, *26*, 3129-3136.  
*Alternating Current Electrolysis for the Electrocatalytic Synthesis of Mixed Disulfide via Sulfur-Sulfur Bond Metathesis towards Dynamic Disulfide Libraries.*

160. J. Strehl, C. Kahrs, T. Müller, G. Hilt, J. Christoffers, *Chem. Eur. J.* **2020**, *26*, 3222-3225.  
*Electrochemical Induced Ring Transformation of Cyclic  $\alpha$ -(ortho-Iodophenyl)- $\beta$ -oxoesters.*

159. G. Hilt, *ChemElectroChem.* **2020**, *7*, 395-405.  
*Basic Strategies and Types of Applications in Organic Electrochemistry.*

## 2019

92a. F. Pünner, A. Schmidt, G. Hilt, *Angew. Chem.* **2019**, *131*, 17261-17262.  
*Berichtigung: Up the Hill: Selektive Doppelbindungsisomerisierung von terminalen 1,3-Dienen zu Z-1,3-Dienen oder 2Z,4E-Dienen.*

158. F. Weber, G. Hilt „Cobalt-catalysed Hydrogenations“ in: „Cobalt in Organic Synthesis“, J. Teichert (Ed.), **2019**, in press.

157. J. Strehl, G. Hilt, *Org. Lett.* **2019**, *21*, 5259-5263.  
*Electrochemical, Manganese-Assisted Carbon-Carbon Bond Formation between  $\beta$ -Keto Esters and Silyl Enol Ethers.*

156. S. M. Weber, G. Hilt, *Org. Lett.* **2019**, *21*, 4106-4110.  
*Chemoselective Cobalt(I)-Catalyzed Cyclotrimerisation of (Un)Symmetrical 1,3-Butadiynes for the Synthesis of 1,2,4-Regioisomers.*

## 2018

155. Q. Fan, S. Werner, J. Tschakert, D. Ebeling, A. Schirmeisen, G. Hilt, W. Hieringer, J. M. Gottfried, *J. Am. Chem. Soc.* **2018**, *140*, 7526-7532.  
*Precise Monoselective Aromatic C-H Bond Activation by Chemisorption of Meta-Aryne on a Metal Surface.*

154. R. Möckel, E. Babaoglu, G. Hilt, *Chem. Eur. J.* **2018**, *59*, 15781-15785.  
*Iodine(III)-mediated Electrochemical Trifluoroethoxylactonisation - Rational Reaction Optimisation and Prediction of Mediator Activity.*

153. Q. T. Fan, S. Werner, J. Tschakert, D. Ebeling, A. Schirmeisen, G. Hilt, W. Hieringer, J. M. Gottfried, *J. Am. Chem. Soc.* **2018**, *140*, 7526-7532.  
*Precise Mono-Selective Aromatic C-H Bond Activation by Chemisorption of Meta-Aryne on a Metal Surface.*

152. Q. T. Fan, L. Liu, J. Dai, T. Wang, H. Ju, J. Zhao, J. Kuttner, G. Hilt, J. M. Gottfried, J. F. Zhu, *ACS Nano* **2018**, *12*, 2267-2274.  
*Surface Adatom Mediated Structural Transformation in Bromoarene Monolayers: Precursor Phases in Surface Ullmann Reaction.*

151. C. Kohlmeyer, M. Klüppel, G. Hilt, *J. Org. Chem.* **2018**, *83*, 3915-3920.  
*Synthesis of Nitrosobenzene Derivatives via Nitrosodesilylation Reaction.*

150. M. Ballmann, F. Weber, L. E. Sattler, G. Hilt, *Synthesis* **2018**, *50*, 1711-1720.  
*Synthesis of non conjugated Trienes via in situ Hydrovinylation/Wittig Olefination of unsaturated Phosphonium Salts.*

149. R. Möckel, J. Hille, E. Winterling, S. Weidemüller, T. M. Faber, G. Hilt, *Angew. Chem.* **2018**, *130*, 450-454; *Angew. Chem. Int. Ed.* **2018**, *57*, 442-445.  
*Elektrochemische Synthese von Aryliodiden durch anodische Iododesilylierung.*

## 2017

148. L. Li, E. Babaoglu, K. Harms, G. Hilt, *Eur. J. Org. Chem.* **2017**, 4543-4547.  
*Expanding Blaise-Type Reactions towards Indium-Mediated Transformations of  $\alpha$ -Bromo- $\beta$ -keto Esters with Nitriles.*

147. M. Chen, J. Shang, Y. Wang, K. Wu, J. Kuttner, G. Hilt, W. Hieringer, J. M. Gottfried, *ACS Nano* **2017**, *11*, 134-143.  
*On-Surface Synthesis and Characterization of Honeycombene Oligophenylene Macrocycles.*

146. P. Röse, G. Hilt, *Adv. Synth. Catal.* **2017**, *359*, 1359-1372.  
*Efficient Oxidative Coupling of Arenes via Electrochemical Regeneration of 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone (DDQ) under Mild Reaction Conditions.*

145. S. M. Weber, G. Hilt, *Org. Lett.* **2017**, *19*, 564-567.  
*Control of the Regioselectivity in Cobalt- versus Ruthenium-Catalyzed Alder-ene Reactions of Unsymmetrical 1,3-Diynes.*

144. Q. Fan, T. Wang, J. Dai, J. Kuttner, G. Hilt, J. M. Gottfried, J. Zhu, *ACS Nano* **2017**, *11*, 5070-5079.  
*On-Surface Pseudo-High Dilution Synthesis of Macrocycles: Principle and Mechanism.*

143. F. Weber, P. S. Steinlandt, M. Ballmann, G. Hilt, *Synthesis* **2017**, *49*, 440-450.  
*Structure dependent Nickel-catalysed Transposition of N-Allylamides to E- or Z-Enamides.*

## 2016

142. A. Nödling, R. Möckel, R. Tonner, G. Hilt, *Chem. Eur. J.* **2016**, *22*, 13171-13180.  
*Lewis acids as activators in CBS-catalysed Diels-Alder reactions - distortion induced Lewis acidity enhancement of SnCl<sub>4</sub>.*

141. E. Babaoglu, K. Harms, G. Hilt, *Synlett* **2016**, *27*, 1820-1823.  
*Indium-Mediated Blaise-Type Reaction of Bromomalonates with Nitriles and Isocyanates.*

140. Q. Fan, J. Dai, T. Wang, J. Kuttner, G. Hilt, J. M. Gottfried, J. Zhu, *ACS Nano* **2016**, *10*, 3747-3754.  
*Confined Synthesis of Organometallic Chains and Macrocycles by Cu-O Surface Templating.*

139. J. Dai, Q. Fan, T. Wang, J. Kuttner, G. Hilt, J. M. Gottfried, J. Zhu, *Phys. Chem. Chem. Phys.* **2016**, *18*, 20627-20634.  
*The role of the substrate structure in the on-surface synthesis of organometallic and covalent oligophenylene chains.*

138. F. Weber, M. Ballmann, C. Kohlmeyer, G. Hilt, *Org. Lett.* **2016**, *18*, 548-551.  
*Nickel-Catalyzed Double Bond Transposition of Alkenyl-Boronates for in situ syn-Selective Allylboration Reactions.*

137. P. Röse, G. Hilt, *Synthesis* **2016**, *48*, 463-492.  
*Cobalt-catalyzed Bond Formation Reactions; Part 2*

## 2015

136. P. Röse, C. C. M. Garcia, F. Pünner, K. Harms, G. Hilt, *J. Org. Chem.* **2015**, *80*, 7311-7316.  
*Cobalt-catalyzed Cross-Benzannulation of Conjugated Enynes and Diynes.*

135. F. Weber, A. Schmidt, P. Röse, M. Fischer, O. Burghaus, G. Hilt, *Org. Lett.* **2015**, *17*, 2952-2955.  
*Double Bond Isomerization - Highly Reactive Nickel Catalyst Applied in the Synthesis of the Pheromone (9Z,12Z)-Tetradeca-9,12-dienyl Acetate.*

134. C. Wang, Y. Zheng, H. Huo, P. Röse, L. Zhang, K. Harms, G. Hilt, E. Meggers, *Chem. Eur. J.* **2015**, *21*, 7355-7359.  
*Merger of Visible Light Induced Oxidation and Enantioselective Alkylation with a Chiral Iridium Catalyst.*

133. G. Hilt, *ChemCatChem* **2015**, *7*, 1639-1641.  
*Asymmetric Nickel-Catalysed Cross-Hydrovinylation of Two Terminal Alkenes.*

132. R. Möckel, G. Hilt, *Org. Lett.* **2015**, *17*, 1644-1647.  
*Synthesis of Polysubstituted Iodobenzene Derivatives from Alkynylsilanes and 1,3-Dienes via Diels-Alder / Oxidation / Iodination Reaction Sequence.*

131. J. Kuttner, G. Hilt, *Synthesis* **2015**, *47*, 1170-1180.  
*Synthesis of Acyclic Polycarbonyl Compounds via Ozonolysis of 1,4-Cyclohexadienes.*

130. P. Röse, S. Emge, J.-i. Yoshida, G. Hilt, *Beilstein J. Org. Chem.* **2015**, *11*, 174-183.  
*Electrochemical Selenium- and Iodonium-Initiated Cyclisation of Hydroxy-functionalised 1,4-Dienes.*

129. J. Shang, Y. Wang, M. Chen, J. Dai, X. Zhou, J. Kuttner, G. Hilt, J. M. Gottfried, K. Wu, *Nature Chem.* **2015**, *7*, 389-393.  
*Molecular Sierpinski Triangles.*

128. A. Schmidt, A. Nödling, G. Hilt, *Angew. Chem.* **2015**, *127*, 814-818; *Angew. Chem. Int. Ed.* **2015**, *54*, 801-804.  
*An Alternative Mechanism for the Cobalt-Catalyzed Isomerization of Terminal Alkenes to (Z)-2-Alkenes.*

## 2014

127. L. Kersten, G. Hilt, *J. Org. Chem.* **2014**, *79*, 11661-11673.  
*Synthesis of Tri-, Tetra- and Pentacarbonyl Derivatives via Ozonolysis of 1,4-Dienes and Cyclisation to Polyaromatic Systems.*

126. H. Huo, X. Shen, C. Wang, L. Zhang, P. Röse, L.-A. Chen, K. Harms, M. Marsch, G. Hilt, E. Meggers, *Nature* **2014**, *515*, 100-103.  
*Asymmetric photoredox transition-metal catalysis activated by visible light.*

125. A. Nödling, G. Jakab, P. R. Schreiner, G. Hilt, *Eur. J. Org. Chem.* **2014**, 6394-6398.  
*<sup>31</sup>P NMR Spectroscopically Quantified Hydrogen-Bonding Strength of Thioureas and Their Activity in Diels-Alder Reactions.*
124. J. Kuttner, G. Hilt, *Macromolecules* **2014**, *47*, 5532-5541.  
*Regiodivergent Cobalt-Catalysed Diels-Alder Reactions for the Synthesis of Bifunctional Building Blocks and their Suzuki-Cross-Coupling Polymerisations.*
123. G. Hilt, *ChemCatChem* **2014**, *6*, 2484-2485.  
*Double Bond Isomerisation and Migration - New Playgrounds for Transition Metal-Catalysis.*
122. A. Schmidt, E. Meitherth, G. Hilt, *Synthesis* **2014**, *46*, 2040-2044.  
*Cobalt-Catalysed Transformations of 1,3,5-Hexatrienes on a Large Scale.*
121. P. Susnik, G. Hilt, *Organometallics* **2014**, *33*, 5907-5910.  
*Homoallylpinacolboronic Ester as Alkene Component in Cobalt-Catalyzed Alder-ene Reactions.*
120. F. Pünner, G. Hilt, *Chem. Commun.* **2014**, *50*, 7310-7313.  
*Zinc-mediated CH-activation of tetrahydrofuran under mild conditions for the regioselective addition to aryl-propiolates.*
119. Q. Fan, C. Wang, L. Liu, J. Zhao, J. Kuttner, G. Hilt, J. M. Gottfried, *J. Phys. Chem.* **2014**, *118*, 13018-13025.  
*Covalent, Organometallic and Halogen Bonded Nanomeshes from Tetrabromo-Terphenyl by Surface-Assisted Synthesis on Cu(111).*
118. A. Schmidt, G. Hilt, *Chem. - Asian J.* **2014**, *9*, 2407-2410.  
*Unprecedented Cobalt-Catalysed Isomerisation Reaction to Single Skipped 2,4,7-Trienes Applied in the Synthesis of Urushiol.*
117. G. Hilt, *Chem. Rec.* **2014**, *14*, 386-396.  
*1,4-Cyclohexadienes - Easy Access to a Versatile Building Block via Transition Metal-Catalysed Diels-Alder Reactions.*
116. A. Nödling, K. Müther, V. Rohde, G. Hilt, M. Oestreich, *Organometallics* **2014**, *33*, 302-308.  
*Ferrocene-Stabilized Silicon Cations as Catalysts for Diels-Alder Reactions: Attempted Experimental Quantification of Lewis Acidity and ReactIR Kinetic Analysis.*
115. G. Hilt, J. Janikowski, M. Schwarzer, O. Burghaus, D. Sakow, M. Bröring, M. Drüscher, B. Huber, B. Røling, G. Frenking, *J. Organomet. Chem.* **2014**, *749*, 219-223.  
*Studies of Electronic Effects of Modified Pyridine-Imine Ligand Utilised in Cobalt-catalysed meta-selective Diels-Alder Reactions.*
114. Q. Fan, C. Wang, Y. Han, J. Zhu, J. Kuttner, G. Hilt, J. M. Gottfried, *ACS Nano* **2014**, *8*, 709-718.  
*Surface-assisted Formation, Assembly and Dynamics of Planar Organometallic Macrocycles and Zigzag Shaped Polymer Chains with C-Cu-C Bonds.*
113. P. Raster, A. Schmidt, M. Rambow, N. Kuzmanovic, B. König, G. Hilt, *Chem. Commun.* **2014**, *50*, 1864-1866.  
*Immobilisation of Photoswitchable Diarylhexenes Synthesised via Cobalt-Mediated Diels-Alder Reaction.*

112. A. Miersch, K. Harms, G. Hilt, *Chem. Commun.* **2014**, 50, 542-544.  
*Zinc-Mediated Addition of Diethyl Bromomalonate to Alkynes for the Initiation of Multi-Component Reactions toward Polysubstituted Pyranones and Tetracarbonyl Derivatives.*

## 2013

111. F. Pünner, J. Schieven, G. Hilt, *Org. Lett.* **2013**, 15, 4888-4891.  
*Synthesis of Fluorenone and Anthraquinone Derivatives from Aryl- and Aroyl-substituted Propiolates.*

110. A. Miersch, C. Kohlmeyer, G. Hilt, *Synthesis* **2013**, 3228-3232.  
*Zinc-Mediated Regiodiverse Synthesis of Vinyl Bromide Derivatives and their in situ Palladium-catalysed Cross-Coupling Reactions.*

109. F. Pünner, G. Hilt, *Eur. J. Org. Chem.* **2013**, 5580-5584.  
*Zinc/Iron-mediated Ring-Opening of Dibromocyclopropanes for in situ Diels-Alder Reactions with Electron-deficient Aldehydes and Imines.*

108. L. Fiebig, J. Kuttner, G. Hilt, M. Schwarzer, G. Frenking, H.-G. Schmalz, M. Schäfer, *J. Org. Chem.* **2013**, 78, 10485-10493.  
*Cobalt Catalysis in the Gas Phase: Experimental Characterisation of Cobalt(I) Complexes as Intermediates in Regioselective Diels-Alder Reactions.*

107. A. Schmidt, G. Hilt, *Org. Lett.* **2013**, 15, 2708-2711.  
*Scope and Limitations of 1,3,5-Hexatriene Derivatives in Regioselective Cobalt-Catalyzed Reactions.*

106. P. Röse, F. Pünner, G. Hilt, K. Harms, *Synlett* **2013**, 1101-1104.  
*Efficient Synthesis of 2-Pyridylenynes and Application in Cobalt-Catalysed Benzannulation Reactions.*

105. Q. Fan, C. Wang, Y. Han, J. Zhu, W. Hieringer, J. Kuttner, G. Hilt, J. M. Gottfried, *Angew. Chem.* **2013**, 125, 4766-4770; *Angew. Chem. Int. Ed.* **2013**, 52, 4668-4672.  
*Surface-Assisted Organic Synthesis of Hyperbenzene Nanotrroughs.*

104. G. Hilt, *Encyclopedia of Reagents for Organic Synthesis*, Wiley, **2013**.  
4,4,5,5-Tetramethyl-2-(2-methylene-3-buten-1-yl)-1,3,2-dioxaborolane.

96a. Addition to 96.: M. Arndt, G. Hilt, A. F. Khlebnikov, S. I. Kozhushkov, A. de Meijere, *Eur. J. Org. Chem.* **2013**, 1171-1172.  
*Diels-Alder Reactions for the Construction of Cyclopropylarenes.*

## 2012

103. M. Arndt, M. Dindaroğlu, H.-G. Schmalz, G. Hilt, *Synthesis* **2012**, 44, 3534-3542.  
*Ligand Control of the Cobalt-Catalysed 1,4-Hydrovinylation Reaction.*

102. F. Erver, J. R. Kuttner, G. Hilt, *J. Org. Chem.* **2012**, 77, 8375-8385.  
*Multidirectional Cobalt-Catalyzed Diels-Alder / Hydrovinylation Sequences.*

101. A. Miersch, G. Hilt, *Chem. Eur. J.* **2012**, 18, 9798-9801.  
*Stereodivergent Zinc-Mediated Three-Component Synthesis of Tri- and Tetrasubstituted Alkenes.*

100. F. Erver, G. Hilt, *J. Org. Chem.* **2012**, 77, 5216-5219.  
*Cobalt- versus Ruthenium-catalyzed Alder-ene Reaction for the Synthesis of Credneramides A and B.*

99. F. Erver, G. Hilt, *Org. Lett.* **2012**, *14*, 1884-1887.  
*Double- and Triple-Cobalt-Catalysis in Multi-Component Reactions.*
98. G. Hilt, *Eur. J. Org. Chem.* **2012**, 4441-4451.  
*The Hydrovinylation Reactions - Atom-Economic Transformations with Steadily Increasing Synthetic Potential.*
97. G. Hilt, F. Pünner, *Diels-Alder Reactions*, in *Transition-Metal-Mediated Aromatic Ring Construction*, K. Tanaka, (Ed.), Wiley, **2012**, 341-353.
96. M. Arndt, G. Hilt, A. F. Khlebnikov, S. I. Kozhushkov, A. de Meijere, *Eur. J. Org. Chem.* **2012**, 3112-3121.  
*Diels-Alder Reactions for the Construction of Cyclopropylarenes.*
95. F. Pünner, G. Hilt, *Chem. Commun.* **2012**, 3617-3619.  
*Regioselective Solvent-dependent Benzannulation of Conjugated Enynes.*
94. J. R. Kuttner, S. Warratz, G. Hilt, *Synthesis* **2012**, *44*, 1293-1303.  
*Straightforward Synthesis of Non-Conjugated Cyclohex-3-enones and Conjugated 4-Methylene-cyclohex-2-enone Derivatives.*
93. L. Kersten, G. Hilt, *Adv. Synth. Catal.* **2012**, *354*, 863-869.  
*Regioselective Cobalt-Catalysed Hydrovinylation for the Synthesis of non-conjugated Enones and 1,4-Diketones.*
92. F. Pünner, A. Schmidt, G. Hilt, *Angew. Chem.* **2012**, *124*, 1296-1299; *Angew. Chem. Int. Ed.* **2012**, *51*, 1270-1273.  
*Up the Hill: Selective Double Bond Isomerisation of Terminal 1,3-Dienes towards Z-1,3-Dienes or 2Z,4E-2,4-Dienes.*
91. M. Danz, R. Tonner, G. Hilt, *Chem. Commun.* **2012**, 377-379.  
*Understanding the Regioselectivity in Scholl Reactions for the Synthesis of Oligoarenes.*
90. G. Kiefer, J. Ruiz, E. Solari, G. Hilt, K. Severin, *Eur. J. Org. Chem.* **2012**, 93-98.  
*Ruthenium-catalyzed Sequential Enyne Cross-Metathesis/ATRA Reactions.*

## 2011

89. M. Arndt, M. Dindaroğlu, H.-G. Schmalz, G. Hilt, *Org. Lett.* **2011**, *13*, 6236-6239.  
*Gaining Absolute Control of the Regiochemistry in the Cobalt-catalyzed Hydrovinylation Reaction.*
88. G. Hilt, A. Nödling, *Eur. J. Org. Chem.* **2011**, 7071-7075.  
*The Correlation of Lewis Acidities of Silyl Triflates with Reaction Rates of Catalyzed Diels-Alder Reactions.*
87. F. Erver, G. Hilt, *Org. Lett.* **2011**, *13*, 5700-5703.  
*Multi-Component Regio- and Diastereoselective Cobalt-catalyzed Hydrovinylation-Allylation Reaction Sequence.*
86. G. Hilt, F. Pünner, J. Möbus, V. Naseri, M. A. Bohn, *Eur. J. Org. Chem.* **2011**, 5962-5966.  
*A Lewis Acidity Scale in Relation to Rate Constants of Lewis Acid Catalysed Organic Reactions.*



85. M. A. Bohn, A. Schmidt, G. Hilt, M. Dindaroğlu, H.-G. Schmalz, *Angew. Chem.* **2011**, *123*, 9863-9666; *Angew. Chem. Int. Ed.* **2011**, *50*, 9689-9693.  
*Cobalt-catalysed 1,4-Hydrobutadienylation of 1-Aryl-1,3-butadienes with 2,3-Dimethyl-1,3-butadiene.*
84. M. A. Bohn, A. Paul, G. Hilt, "Electrochemical Initiated Radical Reactions" Wiley-VCH, **2012**.
83. G. Hilt, *Synlett* **2011**, 1654-1659.  
*Cobalt(I)-catalysed Reactions for the Synthesis of 1,4-Dienes - Genesis of Two Synthetic Methods.*
82. F. Erver, G. Hilt, K. Harms, *Synthesis* **2011**, 972-978.  
*Cobalt(I)-Catalysis in the Diastereoselective Two-Step Synthesis of Tricyclic Systems.*
81. P. Raster, S. Weiss, G. Hilt, B. König, *Synthesis* **2011**, 905-908.  
*Synthesis and Photoisomerisation of Diarylcyclobutenes.*
80. G. Hilt, F. Erver, K. Harms, *Org. Lett.* **2011**, *13*, 304-307.  
*Regioselective Cobalt-Catalyzed Alder-ene Reaction towards Silicon- and Boron-Functionalized Building Blocks.*
79. M. Danz, G. Hilt, *Adv. Synth. Catal.* **2011**, *353*, 303-308.  
*Regiodiverse Three-Component Synthesis of Arenes.*
78. G. Hilt, S. Roesner, *Synthesis* **2011**, 662-668.  
*Substrate-controlled Regioselective Cobalt(I)-catalysed 1,4-Hydrovinylation Reactions.*

## 2010

77. L. Kersten, S. Roesner, G. Hilt, *Org. Lett.* **2010**, *12*, 4920-4923.  
*Synthesis and Characterisation of Polycarbonyl Compounds via their BF<sub>2</sub>-Adducts.*
76. M. Arndt, A. Reinhold, G. Hilt, *J. Org. Chem.* **2010**, *75*, 5203-5210.  
*Cobalt-catalyzed 1,4-Hydrovinylation of Allylsilanes and Allylboronic Esters for the Synthesis of Hydroxy-functionalized 1,4-Dienes.*
75. A.-L. Auvinet, J. P. A. Harrity, G. Hilt, *J. Org. Chem.* **2010**, *75*, 3893-3896.  
*Ambient Temperature Cobalt-Catalyzed Cycloaddition Strategies to Aromatic Boronic Esters.*
74. M. A. Bohn, G. Hilt, P. Bolze, *ChemSusChem* **2010**, *3*, 823-828.  
*Electrochemical Functionalisation of 1,3-Diisopropylbenzene.*
73. G. Hilt, A. Paul, J. Treutwein, *Org. Lett.* **2010**, *12*, 1536-1539.  
*Cobalt-Catalysis at the Crossroads – Cobalt-catalyzed Alder-ene Reaction versus [2+2] Cycloaddition.*
72. G. Hilt, M. Arndt, D. F. Weske, *Synthesis* **2010**, 1321-1324.  
*Cobalt-Generated 1,4-Dienes as Synthons for 1,3-Dicarbonyl Compounds and their Application towards Natural Product Syntheses.*

## 2009

- 71a. G. Hilt - Authors Profile *Angew. Chem.* **2009**, *121*, 8106; *Angew. Chem. Int. Ed.* **2009**, *48*, 7964.
71. H. P. Nayek, G. Hilt, S. Dehnen, *Eur. J. Inorg. Chem.* **2009**, 4205-4208.

*Synthesis, Structure and Electrochemical Properties of a Ferrocene-Bridged Bis[tris(arylselenato)stannyl] Compound.*

70. G. Hilt, M. Danz, J. Treutwein, *Org. Lett.* **2009**, *11*, 3322-3325.

*Cobalt-Catalyzed 1,4-Hydrovinylation of Styrenes and 1-Aryl-1,3-butadienes.*

69. G. Hilt, A. Paul, C. Hengst, *Synthesis* **2009**, 3305-3310.

*Cobalt-catalysed [6+2]-Cycloaddition of Internal Alkynes and Terminal Alkenes with Cycloheptatriene.*

68. G. Hilt, *Angew. Chem.* **2009**, *121*, 6508-6511; *Angew. Chem. Int. Ed.* **2009**, *48*, 6390-6393.

*Transition Metal-Catalysed Ring Opening of Hetero-Diels-Alder Adducts.*

67. G. Hilt, D. Weske, *Chem. Soc. Rev.* **2009**, *38*, 3082-3091.

*Aromatic Compounds as Synthons for 1,3-Dicarbonyl Derivatives.*

66. G. Hilt, P. Rinze, "Chemisches Praktikum für Mediziner" 7. Auflage, Vieweg-Teubner.

65. G. Hilt, J. Treutwein, *Chem. Commun.* **2009**, 1395-1397.

*Cobalt-catalyzed Hydrovinylation as the Key Step in a Short Synthesis of Moenocinol.*

64. G. Hilt, C. Hengst, M. Arndt, *Synthesis* **2009**, 395-398.

*The Unprecedented Cobalt-catalysed oxidative Glaser Coupling under Reductive Conditions.*

63. G. Hilt, J. Janikowski, *Org. Lett.* **2009**, *11*, 773-776.

*Regioselective Cobalt-catalysed Diels-Alder Reactions of Silicon-functionalized Terminal and Internal Alkynes.*

## 2008

62. W. Hess, J. Treutwein, G. Hilt, *Synthesis* **2008**, 3537-3562.

*Cobalt-Catalysed Carbon-Carbon Bond Formation Reactions.*

61. J. Treutwein, G. Hilt, *Angew. Chem.* **2008**, *120*, 6916-6919; *Angew. Chem. Int. Ed.* **2008**, *47*, 6811-6813.

*Cobalt-catalysed [2+2]-Cycloaddition.*

60. G. Hilt, M. Danz, *Synthesis* **2008**, 2257-2263.

*Regioselective Cobalt-catalysed Diels-Alder Reaction towards 1,3-di- and 1,2,3-trisubstituted Benzene Derivatives.*

59. G. Hilt, A. Paul, K. Harms, *J. Org. Chem.* **2008**, *73*, 5187-5190.

*Cobalt-catalysed intermolecular [2+2+2]-Cycloaddition for the Synthesis of 1,3-Cyclohexadienes.*

58. G. Hilt, J. Janikowski, *Angew. Chem.* **2008**, *120*, 5321-5323; *Angew. Chem. Int. Ed.* **2008**, *47*, 5243-5245.

*Kobalt-katalysierte [4+2+2]-Cycloaddition zur Synthese von 1,3,6-Cyclooctatrienen.*

57. G. Hilt, C. Hengst, W. Hess, *Eur. J. Org. Chem.* **2008**, 2293-2297.

*Solvent Dependent Regiochemical Cyclotrimerization of Phenylacetylene with Cobalt Disulfide Ligands. A Case Study.*

56. G. Hilt, W. Hess, K. Harms, *Synthesis* **2008**, 75-78.  
*Cobalt-catalyzed [2+2+2]-Cycloaddition of Phenylacetylene with 1,3-Dienes for the Synthesis of Vinyl-substituted 1,4-Diphenyl-1,3-Cyclohexadienes.*

55. G. Hilt, J. Janikowski, "Cycloadditions and Ring Expansion Reactions" in "Iron-Catalysis in Organic Chemistry", B. Plietker, (Ed.), Wiley-VCH, **2008**.

54. P. Mörschel, J. Janikowski, G. Hilt, G. Frenking, *J. Am. Chem. Soc.* **2008**, *130*, 8952-8966.  
*Ligand-tuned Regioselectivity of a Cobalt Catalyzed Diels-Alder Reaction. A Theoretical Study.*

## 2007

53. G. Hilt, J. Treutwein, *Angew. Chem.* **2007**, *119*, 8653-8655; *Angew. Chem. Int. Ed.* **2007**, *46*, 8500-8502.

*Kobalt-katalysierte Alder-En-Reaktion.*

52. G. Hilt, C. Hengst, *J. Org. Chem.* **2007**, *72*, 7337-7342.

*A Concise Synthesis of Substituted Stilbenes and Styrenes from Propargylic Phosphonium Salts by a Cobalt-catalyzed Diels-Alder / Wittig Olefination Reaction Sequence.*

51. G. Hilt, W. Hess, C. Hengst, *Comp. Heterocycl. Chem. III* (Review) **2007**, Vol. 11, 351-366.

*Bicyclic 5-5 Systems with One Bridgehead N - Four Extra Heteroatoms 3 : 1.*

50. G. Hilt, P. Rinze, "Chemisches Praktikum für Mediziner", 6. Auflage, **2007**, Teubner Verlag.

49. G. Hilt, P. Bolze, K. Harms, *Chem. Eur. J.* **2007**, *13*, 4312-4325.

*An Improved Catalyst System for the Iron-catalyzed Intermolecular Ring Expansion Reaction of Epoxides.*

48. G. Hilt, P. Bolze, M. Heitbaum, K. Hasse, K. Harms, W. Massa, *Adv. Synth. Catal.* **2007**, *349*, 2018-2026.

*Synthesis of Cyclopenta[c]furanes by an Intramolecular Ring Expansion Reaction.*

47. T. Linker, T. Krüger, W. Hess, G. Hilt, *Arkivoc* **2007**, *8*, 85-96.

*Photooxygenation of Chiral 1,3-Cyclohexadienes: Strong influence of substituents on the Stereo- and Chemoselectivity.*

## 2006

46. G. Hilt, C. Hengst, *Synlett* **2006**, 3247-3250.

*Propargylic Phosphonium Salts in Cobalt-catalysed Diels-Alder Reactions.*

45. G. Hilt, J. Janikowski, W. Hess, *Angew. Chem.* **2006**, *118*, 5328-5331; *Angew. Chem. Int. Ed.* **2006**, *45*, 5204-5206.

*Meta-dirigierende Kobalt-katalysierte Diels-Alder-Reaktionen.*

44. G. Hilt, W. Hess, K. Harms, *Org. Lett.* **2006**, *8*, 3287-3290.

*Asymmetric Cobalt-catalyzed Diels-Alder Reaction of a Boron-functionalized 1,3-Diene with Alkynes.*

43. G. Hilt, C. Walter, P. Bolze, *Adv. Synth. Catal.* **2006**, *348*, 1241-1247.

*Iron-Salen Complexes as Efficient Catalysts in Ring Expansion Reactions of Epoxyalkenes.*

42. G. Hilt, F. Galbiati, *Synthesis* **2006**, 3589-3596.  
*Rhodium- or Copper-catalysed CH-Insertion of Carbenoids into Dihydroaromatic Compounds and Acyclic 1,4-Dienes.*

41. G. Hilt, F. Galbiati, *Org. Lett.* **2006**, 8, 2195-2198.  
*Regioselective Carbene Insertion on Polysubstituted Dihydroaromatic Compounds.*

40. G. Hilt, F. Galbiati, K. Harms, *Synthesis* **2006**, 3575-3584.  
*A Modular Approach for the Synthesis of Dibenzo-Azepine Derivatives.*

## 2005

39. G. Hilt, P. Bolze, *Synthesis* **2005**, 2091-2114.  
*Boron-Substituted Building Blocks in Diels-Alder and other Cycloaddition Reactions.*

38. G. Hilt, W. Hess, F. Schmidt, *Eur. J. Org. Chem.* **2005**, 2526-2533.  
*Dihydroaromatic Boronic Esters as Building Blocks for the Synthesis of Phenanthrene and Phenanthridine Derivatives.*

37. G. Hilt, W. Hess, T. Vogler, C. Hengst, *J. Organomet. Chem.* **2005**, 690, 5170-5181.  
*Ligand and Solvent Effects on Cobalt(I)-catalysed Reactions: Alkyne Dimerisation versus [2+2+2]-Cyclootrimerisation versus Diels-Alder Reaction versus [4+2+2]-Cycloaddition.*

36. G. Hilt, P. Bolze, I. Kieltsch, *Chem. Commun.* **2005**, 1996-1998.  
*An Iron-catalysed Chemo- and Regioselective Tetrahydrofurane Synthesis.*  
Addition/Correction: *Chem. Commun.* **2006**, 1673.

35. G. Hilt, F. Galbiati, *Synlett* **2005**, 829-833.  
*Cobalt(I)-catalysed Neutral Diels-Alder Reactions of Nitrogen-functionalised Alkynes.*

34. G. Hilt, T. Vogler, W. Hess, F. Galbiati, *Chem. Commun.* **2005**, 1474-1475.  
*A Simple Cobalt Catalyst System for the Efficient and Regioselective Cyclootrimerisation of Alkynes.*

33. G. Hilt, S. Lüers, K. I. Smolko, *Org. Lett.* **2005**, 7, 251-253.  
*A Two-Step Reaction Sequence for the Synthesis of Tetrahydronaphthalene Derivatives.*

## 2004

32. G. Hilt, S. Lüers, F. Schmidt, *Synthesis* **2004**, 634-638.  
*Cobalt-catalysed Diels-Alder, 1,4-Hydrovinylation and 1,4-Hydrosilylation Reactions of Non-Activated Starting Materials on a Large Scale.*

31. G. Hilt, S. Lüers, K. Harms, *J. Org. Chem.* **2004**, 69, 624-630.  
*The First Broad Application of Alkynyl Sulfides as Dienophiles in Cobalt(I)-catalyzed Diels-Alder Reactions.*

## 2003

30. G. Hilt, S. Lüers, *Synthesis* **2003**, 1784-1786.

*Alkynyl Sulfides as Dienophiles in Cobalt-catalysed Diels-Alder Reactions.*

29. G. Hilt, K. I. Smolko, *Angew. Chem.* **2003**, *115*, 2901-2903; *Angew. Chem. Int. Ed.* **2003**, *42*, 2795-2797.

*Alkynyl Boronic Esters as Efficient Dienophiles in Cobalt-catalysed Cycloadditions.*

28. G. Hilt, *Angew. Chem.* **2003**, *115*, 1760-1762; *Angew. Chem. Int. Ed.* **2003**, *42*, 1720-1721.

*Convergent Paired Electrolysis for the Three-Component Synthesis of Protected Homoallylic Alcohols.*

27. G. Hilt, *Synthesis* **2003**, 1304.

Book-Review: "*Catalysts for Fine Chemical Synthesis; Volume 1: Hydrolysis, Oxidation and Reduction*, Edited by S. M. Roberts, G. Poignant, Series Edited by S. M. Roberts, I. V. Kozhevnikov, E. Derouane, Wiley&Sons, Chichester, England, **2002**".

26. G. Hilt, T. J. Korn, K. I. Smolko, *Synlett* **2003**, 241-244.

*A Short Three-Component Synthesis of Tricyclic Compounds.*

## 2002

25. G. Hilt, *Angew. Chem.* **2002**, *114*, 3737-3739; *Angew. Chem. Int. Ed.* **2002**, *41*, 3586-3588.

*Direkte Elektrochemische Aziridinierung von Alkenen unter Metallfreien Bedingungen.*

24. T. Ohkuma, M. Koizumi, K. Muñiz, G. Hilt, C. Kabuto, R. Noyori, *J. Am. Chem. Soc.* **2002**, *124*, 6508-6509.

*trans-RuH(BH<sub>4</sub>)(binap)(1,2-diamine): A Catalyst for Asymmetric Hydrogenation of Simple Ketones under Base-Free Conditions.*

23. G. Hilt, K. I. Smolko, B. V. Lotsch, *Synlett* **2002**, 1081-1084.

*Cobalt(I)-catalysed Neutral Diels-Alder Reactions of Oxygen-Functionalized Acyclic 1,3-Dienes.*

22. G. Hilt, S. Lüers, *Synthesis* **2002**, 609-618.

*Cobalt(I)-Catalyzed 1,4-Hydrovinylation Reactions of 1,3-Dienes with Functionalized Terminal Alkenes under Mild Conditions.*

21. G. Hilt, K. I. Smolko, *Synthesis* **2002**, 686-694.

*Cobalt(I)-catalysed Neutral Diels-Alder Reactions of 1,3-Diynes with Acyclic 1,3-Dienes.*

20. G. Hilt, K. I. Smolko, C. Waloch, *Tetrahedron Lett.* **2002**, *43*, 1437-1439.

*Indium-catalysed Allylation of Imines with Electrochemically Assisted Catalyst Regeneration.*

## 2001

19. G. Hilt, K. I. Smolko, in *Elektronenübertragung in Chemie und Biochemie*, Hrsg. J. Russow, H.-J. Schäfer, GDCh Monographie Bd. 23, **2001**, 167-173.

*Elektrochemische Regenerierung Niedervalenter Indium-Spezies zur C-C Bindungsknüpfung in der Organischen Synthese.*

18. G. Hilt, S. Lüers, K. Polborn, *Isr. J. Chem.* **2001**, *41*, 317-327.  
*Synthesis of Polycyclic Polyfunctionalized Carbocycles by a Cobalt(I)-Initiated Tandem Diels-Alder Reaction Sequence.*
17. G. Hilt, S. Lüers, Proceedings - Electrochemical Society **2001**, 2001-14 (Reactive Intermediates in Organic and Biological Electrochemistry), 97-100.  
*Redox initiated cobalt(I) mediated C-C bond formation reactions.*
16. H. Piotrowski, G. Hilt, A. Schulz, P. Mayer, K. Polborn, K. Severin, *Chem. Eur. J.* **2001**, *7*, 3196-3208.  
*Self-Assembled Organometallic [12]Metallacrown-3 Complexes.*
15. G. Hilt, K. I. Smolko, *Angew. Chem.* **2001**, *113*, 3514-3516; *Angew. Chem. Int. Ed.* **2001**, *40*, 3399-3402.  
*Elektrochemische Regenerierung Niedervalenter Indium(I)-Spezies als Reagenzien zur C-C Bindungsknüpfung.*
14. G. Hilt, T. J. Korn, *Tetrahedron Lett.* **2001**, *42*, 2783-2785.  
*An Efficient Cobalt Catalyst for the Neutral Diels-Alder Reaction of Acyclic 1,3-Dienes with Internal Alkynes.*
13. E. Steckhan, T. Arns, W. R. Heineman, G. Hilt, D. Hoormann, J. Jörissen, L. Kröner, B. Lewall, H. Pütter, *Chemosphere* **2001**, *43*, 63-73.  
*Environmental protection and economization of resources by electroorganic and electroenzymatic syntheses.*
12. H. Piotrowski, K. Polborn, G. Hilt, K. Severin, *J. Am. Chem. Soc.* **2001**, *123*, 2699-2700.  
*Selfassembled Metallomacrocyclic Ionophore with high Affinity and Selectivity for Li<sup>+</sup> and Na<sup>+</sup>.*
11. G. Hilt, F.-X. du Mesnil, S. Lüers, *Angew. Chem.* **2001**, *113*, 408-410; *Angew. Chem. Int. Ed.* **2001**, *40*, 387-389.  
*An Efficient Cobalt(I) Catalyst System for the Selective 1,4-Hydrovinylation of 1,3-Dienes.*

## 2000

10. E. Steckhan, T. Arns, L. Kröner, D. Hoormann, J. Jörissen, H. Pütter, G. Hilt, *Proc. - Electrochem. Soc.* **2000**, 2000-15, New Directions in Organic Electrochemistry, 160-162.  
*Some aspects of sustainability in electroorganic syntheses.*
9. G. Hilt, F.-X. du Mesnil, *Tetrahedron Lett.* **2000**, *41*, 6757-6761.  
*An Improved Cobalt Catalyst for Homo Diels-Alder Reactions of Acyclic 1,3-Dienes with Alkynes.*
8. M. F. Semmelhack, G. Hilt, *Synlett* **2000**, 1127-1128.  
*Selective Functionalization of an Isodurene-Cr(CO)<sub>3</sub> Complex.*

## 1998

7. M. F. Semmelhack, G. Hilt, J. H. Colley, *Tetrahedron Lett.* **1998**, 39, 7683-7686.  
*S<sub>N</sub>Ar Reactions with Fluoroarene-Cr(CO)<sub>2</sub>L Complexes where L is a Potential Linker for Solid Phase Synthesis.*

## 1997

6. G. Hilt, B. Lewall, G. Montero, J. H. P. Utley, E. Steckhan, *Liebigs Ann.* **1997**, 2289-2296.  
*Efficient In-situ Redox Catalytic NAD(P)<sup>+</sup> Regeneration in Enzymatic Synthesis Using Transition Metal Complexes of 1,10-Phenanthroline-5,6-dione and its N-monomethylated Derivative as Catalysts.*

5. E. Steckhan, G. Hilt, R. Kempf, M. Sadakane, *Development of Transition Metal Complexes as Redox Reagents and Redox Catalysts*, in *Organic Synthesis via Organometallics*, (OSM 5), Vieweg, Braunschweig, **1997**, 253-278.

4. G. Hilt, T. Jarbawi, W. R. Heinman, E. Steckhan, *Chem. Eur. J.* **1997**, 3, 79-88.  
*Analytical Study of the Redox Behaviour of 1,10-Phenanthroline-5,6-dione, its Transition Metal Complexes, and of its N-monomethylated Derivative with Regard to their Efficiency as Mediators for the NAD(P)<sup>+</sup> Regeneration.*

## 1996

3. E. Steckhan, B. Brielbeck, M. Frede, G. Hilt, *Electroenzymatic Synthesis: the development of continuous bioelectrochemical processes*, 10th Int. Forum Electrosynthesis in the Chemical Industry, **1996**, 226-254.

## 1995

2. B. Brielbeck, M. Frede, G. Hilt, L. Krämer, E. Steckhan, *Electroenzymatic Synthesis in Novel Trends in Electroorganic Synthesis*, S. Torii, Ed., Kodansha, Tokyo, **1995**, 383-386.

## 1993

1. G. Hilt, E. Steckhan, *J. Chem. Soc. Chem. Commun.* **1993**, 1706-1707.  
*Transition Metal Complexes of 1,10-Phenanthroline-5,6-dione as Efficient Mediators for the Regeneration of NAD<sup>+</sup> in Enzymatic Systems.*