

# Ludger Ernst

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196  
papers

3,537  
citations

28  
h-index

46  
g-index

205  
ext. papers

3,804  
ext. citations

3.1  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
196	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: Update of the German situation in summer 2018. <i>Forensic Science International</i> , <b>2019</b> , 294, 96-102	2.6	17
195	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: Update of the German situation in early 2017. <i>Forensic Science International</i> , <b>2017</b> , 277, 51-58	2.6	20
194	Determination of cross-reactivity of poly- and monoclonal antibodies for synthetic cannabinoids by direct SPR and ELISA. <i>Forensic Science International</i> , <b>2017</b> , 280, 25-34	2.6	8
193	Synthesis, structure, and first reactions of a new class of thiacyclophanes. <i>Canadian Journal of Chemistry</i> , <b>2017</b> , 95, 278-285	0.9	3
192	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: update of the German situation for the spring of 2015. <i>Forensic Toxicology</i> , <b>2016</b> , 34, 94-107	2.6	28
191	Identification and quantification of synthetic cannabinoids in "spice-like" herbal mixtures: Update of the German situation for the spring of 2016. <i>Forensic Science International</i> , <b>2016</b> , 269, 31-41	2.6	43
190	Exploring the Chemistry of [2.2.2]Paracyclophane. <i>Synlett</i> , <b>2016</b> , 27, 2150-2160	2.2	2
189	Structural and quantitative analysis of Equisetum alkaloids. <i>Phytochemistry</i> , <b>2015</b> , 116, 269-282	4	16
188	Molecular Cloning and Characterization of a Xanthone Prenyltransferase from <i>Hypericum calycinum</i> Cell Cultures. <i>Molecules</i> , <b>2015</b> , 20, 15616-30	4.8	22
187	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: a snapshot of the German situation in the autumn of 2012. <i>Drug Testing and Analysis</i> , <b>2014</b> , 6, 59-71	3.5	52
186	Preparation, structural properties and thermal isomerization of hex-3-ene-1,5-diyne bridged [2.2]paracyclophanes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 16360-76	4.8	8
185	Biosynthesis of the biphenyl phytoalexin aucuparin in <i>Sorbus aucuparia</i> cell cultures treated with <i>Venturia inaequalis</i> . <i>Phytochemistry</i> , <b>2013</b> , 96, 101-9	4	18
184	In vitro formation of the anthranoid scaffold by cell-free extracts from yeast-extract-treated <i>Cassia bicapsularis</i> cell cultures. <i>Phytochemistry</i> , <b>2013</b> , 88, 15-24	4	14
183	Pyrrolizidine alkaloids in the food chain: development, validation, and application of a new HPLC-ESI-MS/MS sum parameter method. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 11382-91	5.7	48
182	Glaser Coupling of 4-Ethynyl[2.2]paracyclophane: The Formation of Two Diastereomers. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 1653-1655	3.2	4
181	Cinnamate:CoA ligase initiates the biosynthesis of a benzoate-derived xanthone phytoalexin in <i>Hypericum calycinum</i> cell cultures. <i>Plant Physiology</i> , <b>2012</b> , 160, 1267-80	6.6	48
180	The Structures of Three [2.2]Paracyclophane Derivatives with Anellated Four-Membered Rings. <i>Israel Journal of Chemistry</i> , <b>2012</b> , 52, 149-155	3.4	1

179	Synthetic cannabinoids in "spice-like" herbal blends: first appearance of JWH-307 and recurrence of JWH-018 on the German market. <i>Forensic Science International</i> , <b>2012</b> , 222, 216-22	2.6	40
178	Analysis of synthetic cannabinoids in "spice-like" herbal highs: snapshot of the German market in summer 2011. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 157-71	4.4	44
177	The First Indazolimine-Arylazobenzonitrile Rearrangement. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2012</b> , 67, 238-242	1	1
176	Identification and characterization of JWH-122 used as new ingredient in "Spice-like" herbal incenses. <i>Forensic Science International</i> , <b>2011</b> , 208, e31-5	2.6	74
175	Through-Space J(P,P) and J(P,F) Spin-Spin Coupling in C1-Symmetric Biaryl Diphosphanes. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 3387-3397	2.3	13
174	Preparation of highly hindered polyenes with tert-butyl groups in internal positions. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 231-47	4.8	7
173	Preparation and NMR spectra of four isomeric diformyl[2.2]paracyclophanes (cyclophanes 66). <i>Beilstein Journal of Organic Chemistry</i> , <b>2010</b> , 6, 932-7	2.5	13
172	Differential effect of elicitors on biphenyl and dibenzofuran formation in <i>Sorbus aucuparia</i> cell cultures. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 11977-84	5.7	43
171	Singly and doubly twisted [36]annulenes: synthesis and calculations. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 7767-72	4.8	22
170	Reversible intramolecular photocycloaddition of a bis(9-anthrylbutadienyl)paracyclophane--an inverse photochromic system. (Photoactive cyclophanes 5). <i>Beilstein Journal of Organic Chemistry</i> , <b>2009</b> , 5, 20	2.5	5
169	Paracyclophanes: Extending the Bridges. Synthesis. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 223-237	3.2	15
168	Paracyclophanes: Extending the Bridges. Reactions. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 238-252	3.2	6
167	Transferring Sondheimer's Annulene Chemistry into Three-Dimensional Space. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 2621-2626	3.2	2
166	Spice: a never ending story?. <i>Forensic Science International</i> , <b>2009</b> , 191, 58-63	2.6	250
165	Building the Phosphoindigo Backbone by Oxidative Coupling of Phosphindolin-3-ones with Selenium Dioxide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 1321-1325	1.3	4
164	A Cyclobutadiene Intermediate in the Intramolecular Cycloaddition of 4,15-Bis(phenylethynyl)[2.2]paracyclophane. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 548-554	3.2	11
163	Annulation of Seven-Membered Rings to [2.2]Paracyclophane. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 2948-2959	3.2	8
162	Pyrrrolizidine alkaloids of the endemic Mexican genus <i>Pittocaulon</i> and assignment of stereoisomeric 1,2-saturated necine bases. <i>Phytochemistry</i> , <b>2008</b> , 69, 154-67	4	18

161	Intramolecular reactions in pseudo-geminally substituted [2.2]paracyclophanes. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3950-63	4.8	28
160	On the Functionalization of [2.2](1,4)Phenanthrenoparacyclophane. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 1891-1904	3.2	16
159	Preparation and NMR Spectroscopy of Selected Polychlorinated meta-Terphenyls. <i>Clean - Soil, Air, Water</i> , <b>2007</b> , 35, 433-437	1.6	5
158	New Cycloadditions of (E)-N,N-Dimethyl-(4-[2.2]paracyclophanyl)nitrene. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 3001-3006	3.2	17
157	Preparation and Structure Proof of the Four Isomeric Dicyanocobyrinic Acid Hexamethyl Ester Monoamides Carrying the Amide Group on a Propionic Acid Side Chain. <i>Liebigs Annalen</i> , <b>2006</b> , 1996, 323-326		
156	Thermal Rearrangements, XXV. The Automerization of Benzene as A Radical-Initiated Reaction. <i>Liebigs Annalen</i> , <b>2006</b> , 1996, 1407-1411		1
155	Recent Advances in NMR Studies of Cyclophanes. <i>Annual Reports on NMR Spectroscopy</i> , <b>2006</b> , 60, 77-143	1.7	8
154	Hydrolysis in the system LiPF <sub>6</sub> /propylene carbonate/dimethyl carbonate/H <sub>2</sub> O. <i>Journal of Fluorine Chemistry</i> , <b>2005</b> , 126, 27-31	2.1	242
153	A Simple Route to a Pyridinyl[2.2]paracyclophane. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 68-71	3.2	18
152	Spin-Spin Interactions Across the C=C Double Bond in the (Z) and (E) Isomers of 1,1'-Difluoro-9,9'-bifluorenylidene. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 5306-5312	3.2	7
151	Metathetical Reactions in the System Na(K)PF <sub>6</sub> / LiBF <sub>4</sub> / Aprotic Media. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 1840-1842	1.3	1
150	Reactions of Ru <sub>3</sub> (CO) <sub>12</sub> with Diphosphenes [A New Route to 50-Electron Ru <sub>3</sub> P <sub>2</sub> nido-Clusters. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 377-383	1.3	5
149	Selenol nitrosation and Se-nitrososelenol homolysis: a reaction path with possible biochemical implications. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3970-4	16.4	20
148	4,15-Diamino[2.2]paracyclophane as a Starting Material for Pseudo-Geminally Substituted [2.2]Paracyclophanes. <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 567-577	3.2	20
147	Reaction of Ru <sub>3</sub> (CO) <sub>12</sub> with supermesityldiphosphene: a new type of reaction of a Group 8 transition metal carbonyl with a diphosphene. <i>Inorganic Chemistry Communication</i> , <b>2002</b> , 5, 808-810	3.1	4
146	Influence of the nature of the solvent on the chemical shift of the [BF <sub>4</sub> ] <sup>-</sup> anion. <i>Journal of Fluorine Chemistry</i> , <b>2002</b> , 116, 41-44	2.1	14
145	Cycloaddition of substituted spiroepoxycyclohexa-2,4-dienones: synthesis and X-ray crystal structure of the adducts. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 5775-5777	2	
144	Synthesis, Properties, and Atropisomerism of Arylcarbamates with a Phosphonium Group. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2002</b> , 177, 1677-1680	1	3

143	Formation of phosphonic acids during the reduction of azidonucleosidephosphonic acids. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 8841-8843	2	7
142	A novel entry into a new class of cyclophane derivatives: synthesis of (E)-[2.2]paracyclophane-4-thiol. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 373-376	2	28
141	Investigation of $^{19}\text{F}$ - $^{19}\text{F}$ spin-spin coupling in 1-(x-fluorophenyl)-8-(y-fluorophenyl)naphthalenes (x, y = 2, 3, 4) <i>Magnetic Resonance in Chemistry</i> , <b>2000</b> , 38, 559-565	2.1	17
140	Novel Synthesis of Phenanthrenoparacyclophanes and Phenanthrenophanes and a Study of Their NMR Properties. <i>European Journal of Organic Chemistry</i> , <b>2000</b> , 2000, 3021-3029	3.2	25
139	Deuterium isotope effects on $^{13}\text{C}$ NMR chemical shifts reflect the smaller steric size of $\text{CD}(3)$ compared to $\text{CH}(3)$ groups. <i>Organic Letters</i> , <b>2000</b> , 2, 4111-3	6.2	6
138	Interparticle Interaction in Lithium Tetrafluoroborate Solutions. <i>Journal of Fluorine Chemistry</i> , <b>1999</b> , 98, 133-135	2.1	13
137	Reinvestigation of the substituent effects of fluorine on the $^1\text{H}$ NMR chemical shifts of the adjacent methylene group in fluorinated [2.2]paracyclophanes. <i>Magnetic Resonance in Chemistry</i> , <b>1999</b> , 37, 441-444	2.1	3
136	$^1\text{H}$ , $^{13}\text{C}$ and $^{19}\text{F}$ NMR study of 8-fluoro- and 8,12-difluoro[2.2]metaparacyclophane and of 9-fluoro- and 9,14-difluoro-2,11-dithia[3.3]metaparacyclophane. <i>Magnetic Resonance in Chemistry</i> , <b>1998</b> , 36, S71-S78	2.1	7
135	AN ALTERNATE SYNTHESIS OF THE POTENT ANTIMUSCARINIC AGENT SILA-BIPERIDEN. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1997</b> , 128, 179-190	1	
134	Discrimination by NMR spectroscopy of isomeric ar,ar'-disubstituted [2.2] paracyclophanes carrying identical substituents. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1997</b> , 357, 494-497		5
133	$^1\text{H}$ , $^{13}\text{C}$ and $^{19}\text{F}$ NMR study of ar,ar'-difluoro[2.2]paracyclophanes, ar,ar'-difluoro-2,11-dithia[3.3]paracyclophanes and their monofluoro analogues. Long-range $^{19}\text{F}$ , $^{19}\text{F}$ spin-spin coupling. <i>Magnetic Resonance in Chemistry</i> , <b>1997</b> , 35, 868-876	2.1	26
132	Synthesis and structure of the first trans-1,2-dihydro-1,2,3-triphosphatungsten complex. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2113-2114		22
131	Eine neue quantitative Beschreibung der Abstandsabhängigkeit von $^{19}\text{F}$ - $^{19}\text{F}$ -Spin-Spin-Kopplungen durch den Raum. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2010-2012	3.6	18
130	The conformational equilibrium of [2.2]paracyclophanes in solution. <i>Liebigs Annalen</i> , <b>1995</b> , 1995, 13-17		19
129	A New Quantitative Description of the Distance Dependence of Through-Space $^{19}\text{F}$ , $^{19}\text{F}$ Spin-Spin Coupling. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 1881-1882		55
128	syn-ar,ar'-Difluorometacyclophanes: Strong $^{19}\text{F}$ , $^{19}\text{F}$ Spin-Spin Interactions Transmitted through Space. <i>Chemische Berichte</i> , <b>1994</b> , 127, 1119-1124		28
127	Zur Reaktion von Isocyaniden mit Nitrilimin[1]. <i>Chemische Berichte</i> , <b>1994</b> , 127, 1633-1639		12
126	Das Thermogramm einer $\text{C}_6\text{H}_6$ -Chemie im Temperaturbereich von 450 bis $730^\circ\text{C}$ . <i>Chemische Berichte</i> , <b>1994</b> , 127, 1747-1753		17

- 125 3,3?-Bis(dicyanomethylene)-4,4,4?,4?-tetramethyl-2,2?-bithiolanylidene, a Compound Containing the Fundamental Chromophore of Thioindigo: (E/Z) and Valence Isomers, Thermo- and Photochromism. *Angewandte Chemie International Edition in English*, **1994**, 33, 1966-1969 2
- 124 beta-Carboline alkaloids, V: Total synthesis of the antimicrobial marine alkaloid eudistomin T. *Archiv Der Pharmazie*, **1994**, 327, 121-2 4-3 12
- 123 Anellierte Pyridin-Verbindungen aus Hydrocodon und Oxycodon, 3. Mitt.: Enamine von Hydrocodon und Oxycodon in der Mannich-Reaktion. *Archiv Der Pharmazie*, **1994**, 327, 319-328 4-3 1
- 122 Sila-biperiden undendo-Sila-biperiden: Synthesen, Kristallstrukturen und antimuscarinische Eigenschaften. *Journal of Organometallic Chemistry*, **1994**, 466, 15-27 2-3 7
- 121 <sup>1</sup>H and <sup>13</sup>C NMR spectra of multibridged [2n]cyclophanes. *Magnetic Resonance in Chemistry*, **1993**, 31, 669-676 2.1 19
- 120 Basenhydrierte Phosphonsäure-Derivate von Pyrimidinnucleosiden, Nebenprodukte bei der Desoxygenierung von 2'-O-Phenoxythiocarbonyl-Vorstufen. *Liebigs Annalen Der Chemie*, **1993**, 1993, 1205-1210 5
- 119 Microbial oxidation of tricyclic sesquiterpenoids containing a dimethylcyclopropane ring. *Phytochemistry*, **1992**, 31, 3749-3755 4 23
- 118 Revised structure of the main alkaloid of *Senecio adonidifolius*. *Phytochemistry*, **1992**, 31, 1027-1028 4 18
- 117 Chemotypes of two pyrrolizidine alkaloid-containing *Senecio* species. *Phytochemistry*, **1992**, 31, 559-565 4 103
- 116 Phenolcarbonsäuren und ihre Glycerinester in Maisgrits. *Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung*, **1992**, 194, 252-258 4
- 115 <sup>13</sup>C and <sup>1</sup>H NMR chemical shift assignments of 1- and 2-alkylnaphthalenes (R = Me, Et, i-Pr, t-Bu) and determination of substituent effects on <sup>13</sup>C and <sup>1</sup>H chemical shifts. *Magnetic Resonance in Chemistry*, **1992**, 30, 73-76 2.1 13
- 114 Structure and reactivity of xanthocorrinoids. Part V. Formation of trans-diol derivatives of 5,6-dihydrocobyric acid from xanthocorrinoids under acidic conditions. *Helvetica Chimica Acta*, **1991**, 74, 1287-1295 2 3
- 113 Über die Synthese von 2',3'-Didesoxy-3'-(phosphonomethyl)nucleosiden, Phosphonat-Analogen von 2'-Desoxy-3'-nucleotiden. *Liebigs Annalen Der Chemie*, **1991**, 1991, 615-631 15
- 112 New stereoisomers of quinic acid and their lactones. *Liebigs Annalen Der Chemie*, **1991**, 1991, 1029-1036 30
- 111 Alkine und Cumulene, XXII. Die thermische Di- und Trimerisierung von tert-Butylallen. *Chemische Berichte*, **1991**, 124, 875-879 6
- 110 Transformation of plant pyrrolizidine alkaloids into novel insect alkaloids by Arctiid moths (Lepidoptera). *Biochemical Systematics and Ecology*, **1990**, 18, 549-554 1.4 52
- 109 The 4-chloro-2-oxo-1,3,5,5,8-pentamethyl-1,3,8-triaza-5-azonia-4 $\beta$ -phosphaspiro[3.4]octyl cation: X-ray crystal structure determination and variable temperature <sup>1</sup>H NMR spectra. *Polyhedron*, **1990**, 9, 1463-1467 2.7 9
- 108 Zur bromometrischen Bestimmung von Cyclopentobarbital. *Archiv Der Pharmazie*, **1990**, 323, 361-366 4-3 2

107	Darstellung und Kristallstrukturen einiger mit N,N'-Dimethylharnstoff verbrückter Diphosphorverbindungen; NMR-Untersuchung einer $\beta$ P+ $\beta$ P+-Diphosphorverbindung. <i>Chemische Berichte</i> , <b>1990</b> , 123, 35-43		19
106	Neue Dienophile und Diene, III. Ber die Addition von Cyanacetylen an [2.2]Paracyclophan. <i>Chemische Berichte</i> , <b>1990</b> , 123, 2015-2022		6
105	Cyclophanes, XXXV. DNMR, molecular mechanics, and crystal structures of 2,11-dithia[3.3]orthometacyclophane and 2,11-dithia[3.3]orthoparacyclophane. <i>Chemische Berichte</i> , <b>1990</b> , 123, 2381-2386		17
104	Rearranged caryophyllenes by biotransformation with <i>Chaetomium cochliodes</i> . <i>Phytochemistry</i> , <b>1990</b> , 29, 757-763	4	25
103	Biotransformation of caryophyllene by <i>Diplodia gossypina</i> . <i>Phytochemistry</i> , <b>1990</b> , 29, 115-120	4	26
102	Microbial Hydroxylations of Bicyclic and Tricyclic Sesquiterpenes. <i>Journal of Essential Oil Research</i> , <b>1989</b> , 1, 19-27	2.3	9
101	Comparison of the Action of <i>Phanerochaete chrysosporium</i> and its Extracellular Enzymes (Lignin Peroxidases) on Lignin Preparations. <i>Holzforschung</i> , <b>1989</b> , 43, 375-384	2	19
100	Strukturbestimmung des 2:1-Addukts von (Cyanmethyl)phosphonsäurediethylester an $\kappa$ -Strophanthidin. <i>Liebigs Annalen Der Chemie</i> , <b>1989</b> , 1989, 315-319		1
99	Synthese des Sesquiterpens ( $\beta$ )-Lemnal-5a-en-2-on. <i>Liebigs Annalen Der Chemie</i> , <b>1989</b> , 1989, 727-737		2
98	Revised assignments of the $^{13}\text{C}$ NMR spectra of some hydrophenanthrenes. <i>Magnetic Resonance in Chemistry</i> , <b>1989</b> , 27, 796-797	2.1	6
97	Revised $^{13}\text{C}$ NMR signal assignments of 2-(bromomethyl) naphthalene. <i>Magnetic Resonance in Chemistry</i> , <b>1989</b> , 27, 1155-1160	2.1	4
96	Syn- und anti-[2.2]Orthometacyclophan. <i>Angewandte Chemie</i> , <b>1989</b> , 101, 509-510	3.6	14
95	Cyclophane, XXIX. Gasphasenpyrolyse von 2,11-Dithia[3.3](1,2)(1,4)cyclophan-S,S,S?,S?-tetraoxid. <i>Chemische Berichte</i> , <b>1989</b> , 122, 1013-1016		8
94	syn- and anti-[2.2]Orthometacyclophane. <i>Angewandte Chemie International Edition in English</i> , <b>1989</b> , 28, 455-456		12
93	Does Cyanoacetylene Dimerize Thermally to 1,3-Cyclobutadiene-1,2-dicarbonitrile?. <i>Angewandte Chemie International Edition in English</i> , <b>1989</b> , 28, 1279-1280		6
92	[P4Aryl6][Me3SnF2]2 (Aryl = 2,6-(MeO)2C6H3): An Unusual Ion Pair Consisting of a Planar 2,4-Diphospho-1,3-diphosphoniacyclobutane Dication and the Difluorotrimethylstannate Anion. <i>Angewandte Chemie International Edition in English</i> , <b>1989</b> , 28, 1507-1509		30
91	Reactions of some mixed-valence diphosphorus compounds with the platinum(0) complex, (C2H4)Pt(PPh3)2. X-ray crystal structure of the product of the reaction of (C2H4)Pt(PPh3)2 with a $\beta$ P $\beta$ P+ diphosphorus compound. <i>Polyhedron</i> , <b>1989</b> , 8, 2485-2494	2.7	9
90	2,11-Dithia-[3.3](5,6)indano-orthocyclophane and 2,11-dithia-[3.3](5,6)indanocyclophane: synthesis, DNMR and X-ray structure analysis. <i>Tetrahedron Letters</i> , <b>1989</b> , 30, 6005-6008	2	8

- 89 Synthesis of galanthamine and related alkaloids - new approaches. I.. *Tetrahedron*, **1989**, 45, 3329-3345 2.4 36
- 88 Polysulfonylamine, XV [1] Synthese von N,N,N',N'-Tetramesyl-dicarbonsäurediamiden. Cyclisierung von N,N,N',N'-Tetramesyl-bernsteinsäurediamid zu N-Dimesylamino- $\beta$ -butenolid / Polysulfonylamines, XV [1]. Synthesis of N,N,N',N'-Tetramesyl Dicarboxylic Diamides. Cyclization of N,N,N',N'-Tetramesyl Succinic Diamide to N-Dimesylamino- $\beta$ -butenolide. *Zeitschrift Für Naturforschung - Section B, Journal of Chemical Sciences*, **1989**, 44, 465-474 1 4
- 87 A flexible hydroazulene synthesis. *Tetrahedron*, **1988**, 44, 4371-4388 2.4 17
- 86 Chemical synthesis of lignin alcohols and model lignins enriched with carbon isotopes. *Methods in Enzymology*, **1988**, 47-56 1.7 6
- 85 <sup>1</sup>H and <sup>31</sup>P NMR data of protected deoxycytidylyl-deoxyribonucleoside phosphates. *Nucleic Acids Research*, **1987**, 15, 361 20.1 3
- 84 Enantioselective reduction of acetyldimethylphenylsilane by *Trigonopsis variabilis* (DSM 70714). *Applied Microbiology and Biotechnology*, **1987**, 27, 152 5.7 37
- 83 Sila-Pharmaka, 371) Darstellung und Eigenschaften der Enantiomere der Antimuskarinika Sila-Procyclidin und Sila-Tricyclamol-iodid: Optisch aktive Silanole mit Silicium als Chiralitätszentrum<sup>2</sup>). *Chemische Berichte*, **1987**, 120, 1229-1237 48
- 82 Diastereomere 3-Nitroso-1,2,3,4-tetrahydropyrimidine - neue NMR-spektroskopische Ergebnisse. *Archiv Der Pharmazie*, **1987**, 320, 289-294 4.3 1
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