

# Karl Gademann

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8642572/karl-gademmann-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

168  
papers

7,737  
citations

43  
h-index

84  
g-index

213  
ext. papers

8,636  
ext. citations

6.5  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
168	Development of a cell surface display system in <i>Chlamydomonas reinhardtii</i> . <i>Algal Research</i> , <b>2022</b> , 61, 102570	5	0
167	Leaf nodule endosymbiotic Burkholderia confer targeted allelopathy to their Psychotria hosts. <i>Scientific Reports</i> , <b>2021</b> , 11, 22465	4.9	0
166	Thiol- and Disulfide-Containing Vancomycin Derivatives Against Bacterial Resistance and Biofilm Formation.. <i>ACS Medicinal Chemistry Letters</i> , <b>2021</b> , 12, 1898-1904	4.3	3
165	Design, Synthesis, and Biological Evaluation of Light-Activated Antibiotics. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 681-692	5.5	2
164	Nucleophilic Attack on Nitrogen in Tetrazines by Silyl-Enol Ethers. <i>Organic Letters</i> , <b>2021</b> , 23, 2426-2430	6.2	6
163	Novel fidaxomicin antibiotics through site-selective catalysis. <i>Communications Chemistry</i> , <b>2021</b> , 4,	6.3	1
162	Cross-Coupling Reactions of Monosubstituted Tetrazines. <i>Organic Letters</i> , <b>2021</b> , 23, 5689-5692	6.2	3
161	Boron Trifluoride-Mediated Cycloaddition of 3-Bromotetrazine and Silyl Enol Ethers: Synthesis of 3-Bromo-pyridazines. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 12008-12023	4.2	2
160	Concise Total Synthesis of Peyssonoside A. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14083-14088	14.8	4
159	Biohybrid microswimmers against bacterial infections. <i>Acta Biomaterialia</i> , <b>2021</b> , 136, 99-110	10.8	0
158	Mitigation of virulence by signal inactivation. <i>Science Advances</i> , <b>2021</b> , 7, eabg2293	14.3	2
157	Genetically encoded betaxanthin-based small-molecular fluorescent reporter for mammalian cells. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, e67	20.1	3
156	Recent Advances in Mode of Action and Biosynthesis Studies of the Clinically Used Antibiotic Fidaxomicin. <i>Chimia</i> , <b>2020</b> , 74, 270-273	1.3	5
155	Biosynthesis and Structure-Activity Relationship Investigations of the Diazeniumdiolate Antifungal Agent Fragin. <i>ChemBioChem</i> , <b>2020</b> , 21, 1587-1592	3.8	9
154	Microviridin 1777: A Toxic Chymotrypsin Inhibitor Discovered by a Metabologenomic Approach. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 438-446	4.9	11
153	Chemistry and Biology of the Clinically Used Macrolactone Antibiotic Fidaxomicin. <i>Helvetica Chimica Acta</i> , <b>2020</b> , 103, e2000038	2	7
152	3-Bromotetrazine: labelling of macromolecules monosubstituted bifunctional -tetrazines. <i>Chemical Science</i> , <b>2020</b> , 11, 3042-3047	9.4	13

151	Green Algae as a Drug Delivery System for the Controlled Release of Antibiotics. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 16644-16648	4.8	12
150	Semisynthetic Analogs of the Antibiotic Fidaxomicin-Design, Synthesis, and Biological Evaluation. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 2414-2420	4.3	5
149	Synthesis and Biological Evaluation of Iodinated Fidaxomicin Antibiotics. <i>Helvetica Chimica Acta</i> , <b>2020</b> , 103, e2000130	2	3
148	Syntheses and biological investigations of kirkamide and oseltamivir hybrid derivatives. <i>Tetrahedron</i> , <b>2020</b> , 76, 131386	2.4	3
147	Synthesis of Colibactin Pyrrolidono[3,4-]pyridones via Regioselective C(sp)-H Activation. <i>Organic Letters</i> , <b>2020</b> , 22, 6858-6862	6.2	1
146	Pyrrolizidines for direct air capture and CO conversion. <i>Chemical Communications</i> , <b>2019</b> , 55, 949-952	5.8	24
145	Synthesis of Two Key Fragments of the Complex Polyhalogenated Marine Meroterpenoid Azamerone. <i>Organic Letters</i> , <b>2019</b> , 21, 1144-1147	6.2	5
144	Ein neues Signalmolekül in Burkholderia cenocepacia. <i>BioSpektrum</i> , <b>2019</b> , 25, 368-371	0.1	2
143	Total Synthesis and Structural Revision of Mangrolide D. <i>Organic Letters</i> , <b>2019</b> , 21, 3456-3459	6.2	11
142	The Furan Shuffling Hypothesis: A Biogenetic Proposal for Eremophilane Sesquiterpenoids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7078-7081	3.6	
141	The Furan Shuffling Hypothesis: A Biogenetic Proposal for Eremophilane Sesquiterpenoids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7004-7007	16.4	5
140	Preparation of Indolenines via Nucleophilic Aromatic Substitution. <i>Organic Letters</i> , <b>2019</b> , 21, 2560-2564	6.2	5
139	Profiling withanolide A for therapeutic targets in neurodegenerative diseases. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 2508-2520	3.4	5
138	Design and Synthesis of Metabolically Stable tRNA Synthetase Inhibitors Derived from Cladosporin. <i>ChemBioChem</i> , <b>2019</b> , 20, 644-649	3.8	6
137	Synthesis and Biological Evaluation of the Novel Growth Inhibitor Streptol Glucoside, Isolated from an Obligate Plant Symbiont. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1722-1726	4.8	8
136	Metal-Free Regioselective Chloroazidation of Internal Alkynes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 981-984	4.8	4
135	Total Synthesis of the Polyoxygenated Sesquiterpenes Guignarderemophilanes C and D. <i>Helvetica Chimica Acta</i> , <b>2018</b> , 101, e1800011	2	1
134	Biosynthesis of fragin is controlled by a novel quorum sensing signal. <i>Nature Communications</i> , <b>2018</b> , 9, 1297	17.4	56

133	Leaf nodule symbiosis: function and transmission of obligate bacterial endophytes. <i>Current Opinion in Plant Biology</i> , <b>2018</b> , 44, 23-31	9.9	25
132	Total Synthesis of Tiacumicin A. Total Synthesis, Relay Synthesis, and Degradation Studies of Fidaxomicin (Tiacumicin B, Lipiarmycin A3). <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 7180-7205	4.2	26
131	Total Synthesis and Biological Evaluation of the Glycosylated Macrocyclic Antibiotic Mangrolide A. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11186-11190	3.6	8
130	Antibiotic Algae by Chemical Surface Engineering. <i>ChemBioChem</i> , <b>2018</b> , 19, 439-443	3.8	5
129	On-cell catalysis by surface engineering of live cells with an artificial metalloenzyme. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	23
128	Total Synthesis and Biological Evaluation of the Glycosylated Macrocyclic Antibiotic Mangrolide A. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11020-11024	16.4	16
127	Investigating Biogenetic Hypotheses of the Securinega Alkaloids: Enantioselective Total Syntheses of Secu'amamine E/ent-Virosine A and Bubbialine. <i>Organic Letters</i> , <b>2017</b> , 19, 548-551	6.2	15
126	Biological evaluation of pyridone alkaloids on the endocannabinoid system. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 6102-6114	3.4	8
125	Collective Syntheses of Icetexane Natural Products Based on Biogenetic Hypotheses. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 120-127	4.8	22
124	Securinega Alkaloids: Complex Structures, Potent Bioactivities, and Efficient Total Syntheses. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 1146-1159	3	24
123	Total Synthesis of the Sesquiterpenoid Periconianone A Based on a Postulated Biogenesis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 16096-16099	16.4	22
122	Mapping Out Biogenetic Hypotheses by Chemical Synthesis. <i>Chimia</i> , <b>2017</b> , 71, 841-844	1.3	
121	Prophage-triggered membrane vesicle formation through peptidoglycan damage in <i>Bacillus subtilis</i> . <i>Nature Communications</i> , <b>2017</b> , 8, 481	17.4	122
120	Total Synthesis and Structural Revision of Aeruginosin KT608A. <i>Organic Letters</i> , <b>2017</b> , 19, 3915-3918	6.2	13
119	Allelopathic Activity of the Iron Chelator Anachelin A Molecular Hybrid with a Dual Mode of Action. <i>Helvetica Chimica Acta</i> , <b>2016</b> , 99, 760-773	2	5
118	Formal Total Synthesis of (-)-Jiadifenolide and Synthetic Studies toward seco-Prezizaane-Type Sesquiterpenes. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 11017-11034	4.2	19
117	Interfacing Functional Systems. <i>Chimia</i> , <b>2016</b> , 70, 418-23	1.3	1
116	Comparative effects of nodularin and microcystin-LR in zebrafish: 2. Uptake and molecular effects in eleuthero-embryos and adult liver with focus on endoplasmic reticulum stress. <i>Aquatic Toxicology</i> , <b>2016</b> , 171, 77-87	5.1	19

115	Evidence of horizontal gene transfer between obligate leaf nodule symbionts. <i>ISME Journal</i> , <b>2016</b> , 10, 2092-105	11.9	39
114	Synthese von Aeruginosin-Chlorsulfopeptiden und Untersuchung ihrer Toxizität. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9575-9580	3.6	1
113	Investigating the Toxicity of the Aeruginosin Chlorosulfopeptides by Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9427-31	16.4	18
112	'Active Surfaces' as Possible Functional Systems in Detection and Chemical (Bio) Reactivity. <i>Chimia</i> , <b>2016</b> , 70, 402-12	1.3	1
111	Capturing Biological Activity in Natural Product Fragments by Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3882-902	16.4	95
110	Synthetisch gewonnene Naturstofffragmente in der Wirkstoffentwicklung. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3948-3970	3.6	20
109	The third orthogonal dynamic covalent bond. <i>Chemical Science</i> , <b>2016</b> , 7, 4720-4724	9.4	51
108	Copy, edit, and paste: natural product approaches to biomaterials and neuroengineering. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 731-9	24.3	12
107	Total Synthesis of the Glycosylated Macrolide Antibiotic Fidaxomicin. <i>Organic Letters</i> , <b>2015</b> , 17, 3514-7	6.2	30
106	Preparation of Antimalarial Endoperoxides by a Formal [2 + 2 + 2] Cycloaddition. <i>Organic Letters</i> , <b>2015</b> , 17, 5420-3	6.2	18
105	Synthesis of maculalactone A and derivatives for environmental fate tracking studies. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 199-206	3.9	13
104	Total synthesis of the protected aglycon of fidaxomicin (tiacumicin B, lipiarmycin A3). <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1933-6	16.4	47
103	Preparation of Fluorescent Microcystin Derivatives by Direct Arginine Labelling and Their Biological Evaluation. <i>ChemBioChem</i> , <b>2015</b> , 16, 1657-62	3.8	6
102	Isolation and Total Synthesis of Kirkamide, an Aminocyclitol from an Obligate Leaf Nodule Symbiont. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7968-70	16.4	31
101	Totalsynthese des geschützten Aglycons von Fidaxomicin (Tiacumicin B, Lipiarmycin A3). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1953-1956	3.6	15
100	Isolation and Total Synthesis of Kirkamide, an Aminocyclitol from an Obligate Leaf Nodule Symbiont. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8079-8081	3.6	5
99	Direct Preparation of Pyrrolizidines Using Imines and Isonitriles. <i>Synthesis</i> , <b>2015</b> , 47, 3153-3160	2.9	3
98	Neuritogenic surfaces using natural product analogs. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1415-9	10.1	3

97	Balgacyclamides, antiplasmodial heterocyclic peptides from <i>Microcystis aeruginosa</i> EAWAG 251. <i>Journal of Natural Products</i> , <b>2014</b> , 77, 557-62	4.9	26
96	Direct arginine modification in native peptides and application to chemical probe development. <i>ACS Medicinal Chemistry Letters</i> , <b>2014</b> , 5, 1290-5	4.3	10
95	The toxicity and enzyme activity of a chlorine and sulfate containing aeruginosin isolated from a non-microcystin-producing strain. <i>Harmful Algae</i> , <b>2014</b> , 39, 154-160	5.3	26
94	Functionally Optimized Neuritogenic Farinosone C Analogs: SAR-Study and Investigations on Their Mode of Action. <i>ACS Medicinal Chemistry Letters</i> , <b>2014</b> , 5, 172-7	4.3	15
93	Catalytic Enantioselective Total Synthesis of (±)-Pyridovericin. <i>Synthesis</i> , <b>2014</b> , 46, 864-870	2.9	4
92	Truncated militarinone fragments identified by total chemical synthesis induce neurite outgrowth. <i>MedChemComm</i> , <b>2013</b> , 4, 135-139	5	23
91	Enantioselective total synthesis of virosaine A and bubbialidine. <i>Chemical Communications</i> , <b>2013</b> , 49, 1921-3	5.8	36
90	Bioinspired, releasable quorum sensing modulators. <i>Chemical Communications</i> , <b>2013</b> , 49, 155-7	5.8	21
89	Strategies for the Asymmetric Total Synthesis of Natural Products: Chiral Pool versus Chiral Catalysts <b>2013</b> , 317-322		1
88	Telomerase inhibitors from cyanobacteria: isolation and synthesis of sulfoquinovosyl diacylglycerols from <i>Microcystis aeruginosa</i> PCC 7806. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 4596-601	4.8	14
87	Syntheses of taiwaniaquinone F and taiwaniaquinol A via an unusual remote C-H functionalization. <i>Organic Letters</i> , <b>2013</b> , 15, 1390-3	6.2	43
86	Enantioselective total syntheses and absolute configuration of JBIR-02 and Mer-A2026B. <i>Organic Letters</i> , <b>2013</b> , 15, 670-3	6.2	29
85	Total synthesis of gelsemiol. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2589-91	4.8	31
84	Caged retinoids as photoinducible activators: implications for cell differentiation and neurite outgrowth. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 3314-21	3.9	11
83	Fluorescent labeling agents for quorum-sensing receptors (FLAQS) in live cells. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9766-70	4.8	6
82	Withanolide A: synthesis and structural requirements for neurite outgrowth. <i>Chemical Science</i> , <b>2013</b> , 4, 2851	9.4	24
81	Bioinspired surfaces against bacterial infections. <i>Chimia</i> , <b>2013</b> , 67, 275-8	1.3	7
80	The NAD(+) precursor nicotinamide riboside enhances oxidative metabolism and protects against high-fat diet-induced obesity. <i>Cell Metabolism</i> , <b>2012</b> , 15, 838-47	24.6	732

79	Totalsynthese von Cyrnein A. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 4147-4149	3.6	17
78	Total synthesis of cyrneine A. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4071-3	16.4	65
77	Reduce to the Maximum: Truncated Natural Products as Powerful Modulators of Biological Processes. <i>Synlett</i> , <b>2012</b> , 2012, 163-170	2.2	12
76	Nitrocatechols as Tractable Surface Release Systems. <i>ChemPlusChem</i> , <b>2012</b> , 77, 1071-1074	2.8	11
75	Catalytic enantioselective total synthesis of (+)-torrubiellone C. <i>Organic Letters</i> , <b>2011</b> , 13, 4368-70	6.2	38
74	Controlling protein transport by small molecules. <i>Current Drug Targets</i> , <b>2011</b> , 12, 1574-80	3	14
73	Chemical interference of biological systems with natural products. <i>Chimia</i> , <b>2011</b> , 65, 835-8	1.3	8
72	Ein einheitlicher Ansatz zur stereoselektiven Totalsynthese von Pyridonalkaloiden und deren neuritogene Aktivität. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 4308-4312	3.6	28
71	Synthese von Withanolid A, Untersuchung der neuritogenen Eigenschaften und Studien zur Sekretase-Inhibierung. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8557-8561	3.6	14
70	A unified approach for the stereoselective total synthesis of pyridone alkaloids and their neuritogenic activity. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4222-6	16.4	72
69	Synthesis of withanolide A, biological evaluation of its neuritogenic properties, and studies on secretase inhibition. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8407-11	16.4	44
68	Out in the green: biologically active metabolites produced by cyanobacteria. <i>Chimia</i> , <b>2011</b> , 65, 416-9	1.3	4
67	Dimers of nostocarboline with potent antibacterial activity. <i>Chemotherapy</i> , <b>2010</b> , 56, 318-24	3.2	15
66	Synthetic Studies on the Sporolides: Exploration of the Eneidyne Route. <i>Synthesis</i> , <b>2010</b> , 2010, 631-642	2.9	3
65	Multiple toxin production in the cyanobacterium microcystis: isolation of the toxic protease inhibitor cyanopeptolin 1020. <i>Journal of Natural Products</i> , <b>2010</b> , 73, 980-4	4.9	68
64	4-Hydroxy-2-pyridone alkaloids: structures and synthetic approaches. <i>Natural Product Reports</i> , <b>2010</b> , 27, 1168-85	15.1	160
63	Surface Assembly of Catechol-Functionalized Poly(l-lysine)-graft-poly(ethylene glycol) Copolymer on Titanium Exploiting Combined Electrostatically Driven Self-Organization and Biomimetic Strong Adhesion. <i>Macromolecules</i> , <b>2010</b> , 43, 1050-1060	5.5	90
62	Anguinomycins and derivatives: total syntheses, modeling, and biological evaluation of the inhibition of nucleocytoplasmic transport. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1432-42	16.4	88



61	Spatial isolation favours the divergence in microcystin net production by <i>Microcystis</i> in Ugandan freshwater lakes. <i>Water Research</i> , <b>2010</b> , 44, 2803-14	12.5	51
60	Poly(ethylene glycol) adlayers immobilized to metal oxide substrates through catechol derivatives: influence of assembly conditions on formation and stability. <i>Langmuir</i> , <b>2010</b> , 26, 4018-26	4	109
59	Occurrence of microcystin-producing cyanobacteria in Ugandan freshwater habitats. <i>Environmental Toxicology</i> , <b>2010</b> , 25, 367-80	4.2	63
58	Bioorganic and bioinorganic chemistry. <i>Chimia</i> , <b>2010</b> , 64, 846-54	1.3	3
57	Synthesis and catalysis. <i>Chimia</i> , <b>2010</b> , 64, 859-66	1.3	0
56	Design of a high-throughput device for screening surface modification protocols. <i>Progress in Organic Coatings</i> , <b>2010</b> , 67, 20-27	4.8	2
55	A synthetic entry into the taiwaniaquinoids based on a biogenetic hypothesis: total synthesis of (-)-taiwaniaquinone H. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 7692-5	4.8	41
54	Totalsynthese des marinen Alkaloids Palauamin. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 3034-3036	3.6	1
53	Total synthesis of the marine alkaloid palau'amine. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2972-4	16.4	9
52	Antimalarial and antitubercular nostocarboline and eudistomin derivatives: synthesis, in vitro and in vivo biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 1464-76	3.4	29
51	The cytotoxic styryl lactone goniotalamin is an inhibitor of nucleocytoplasmic transport. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 2843-6	2.9	54
50	Directed biosynthesis of phytotoxic alkaloids in the cyanobacterium <i>Nostoc</i> 78-12A. <i>ChemBioChem</i> , <b>2009</b> , 10, 889-95	3.8	12
49	The cyanobacterial alkaloid nostocarboline: an inhibitor of acetylcholinesterase and trypsin. <i>Journal of Applied Phycology</i> , <b>2009</b> , 21, 103-110	3.2	27
48	Surface modifications based on the cyanobacterial siderophore anachelin: from structure to functional biomaterials design. <i>BioMetals</i> , <b>2009</b> , 22, 595-604	3.4	20
47	Antimalarial natural products of marine and freshwater origin. <i>Chemical Record</i> , <b>2009</b> , 9, 187-98	6.6	40
46	Total synthesis and neuritotrophic activity of farinosone C and derivatives. <i>Organic Letters</i> , <b>2009</b> , 11, 3446-9	6.2	35
45	Isolation of aerucyclamides C and D and structure revision of microcyclamide 7806A: heterocyclic ribosomal peptides from <i>Microcystis aeruginosa</i> PCC 7806 and their antiparasite evaluation. <i>Journal of Natural Products</i> , <b>2008</b> , 71, 1891-6	4.9	97
44	Aerucyclamides A and B: isolation and synthesis of toxic ribosomal heterocyclic peptides from the cyanobacterium <i>Microcystis aeruginosa</i> PCC 7806. <i>Journal of Natural Products</i> , <b>2008</b> , 71, 1193-6	4.9	108



43	Isolation and structure determination of two microcystins and sequence comparison of the McyABC adenylation domains in Planktothrix species. <i>Journal of Natural Products</i> , <b>2008</b> , 71, 1881-6	4.9	41
42	Secondary Metabolites from Cyanobacteria: Complex Structures and Powerful Bioactivities. <i>Current Organic Chemistry</i> , <b>2008</b> , 12, 326-341	1.7	177
41	Aza-Annulation Strategies in Alkaloid Total Synthesis. <i>Synthesis</i> , <b>2008</b> , 2008, 331-351	2.9	9
40	Stable beta turns of tripeptides in water through cation-pi interactions. <i>ChemBioChem</i> , <b>2008</b> , 9, 2398-4013	3.8	13
39	Protein-resistant surfaces through mild dopamine surface functionalization. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 10579-84	4.8	65
38	Antimicrobial surfaces through natural product hybrids. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7123-6	16.4	77
37	Antimikrobielle Oberflächen durch Naturstoffhybride. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 7232-7235	3.6	15
36	Potent and selective antiplasmodial activity of the cyanobacterial alkaloid nostocarboline and its dimers. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 4413-5	2.9	50
35	Biomimetic total synthesis and antimicrobial evaluation of anachelin H. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 8361-70	4.2	40
34	Total synthesis of complex cyanobacterial alkaloids without using protecting groups. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5656-8	16.4	24
33	Total synthesis, configuration, and biological evaluation of anguinomycin C. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8707-10	16.4	54
32	Schutzgruppenfreie Totalsynthese komplexer cyanobakterieller Alkaloide. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 5754-5756	3.6	10
31	Totalsynthese, Konfiguration und biologische Evaluierung von Anguinomycin C. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 8862-8865	3.6	14
30	Cyanobacterial Natural Products for the Inhibition of Biofilm Formation and Biofouling. <i>Chimia</i> , <b>2007</b> , 61, 373-377	1.3	24
29	Natural Product Hybrids. <i>Chimia</i> , <b>2006</b> , 60, 841-845	1.3	43
28	Stereoselective Total Synthesis of (-)-Galantinic Acid. <i>Synlett</i> , <b>2006</b> , 2006, 1580-1582	2.2	2
27	Biomimetic surface modifications based on the cyanobacterial iron chelator anachelin. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1064-5	16.4	134
26	Potent algicides based on the cyanobacterial alkaloid nostocarboline. <i>Organic Letters</i> , <b>2006</b> , 8, 737-40	6.2	65

25	Nostocarboline: isolation and synthesis of a new cholinesterase inhibitor from Nostoc 78-12A. <i>Journal of Natural Products</i> , <b>2005</b> , 68, 1793-5	4.9	87
24	Synthesis and evaluation of the bis-nor-anachelin chromophore as potential cyanobacterial ligand. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 6258-64	4.2	18
23	Mechanistic studies on the tyrosinase-catalyzed formation of the anachelin chromophore. <i>ChemBioChem</i> , <b>2005</b> , 6, 913-9	3.8	13
22	A biomimetic route to the peptide alkaloid anachelin. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3327-9	16.4	27
21	Eine biomimetische Syntheseroute zum Peptidalkaloid Anachelin. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 3389-3391	3.9	9
20	Total synthesis of anachelin H. <i>Organic Letters</i> , <b>2004</b> , 6, 4707-10	6.2	32
19	The Peptide Alkaloid Anachelin: NMR Spectroscopic Evidence for $\beta$ -Turn Formation in Aqueous Solution. <i>Chimia</i> , <b>2004</b> , 58, 212-214	1.3	9
18	The fourth helical secondary structure of beta-peptides: the (P)-28-helix of a beta-hexapeptide consisting of (2R,3S)-3-amino-2-hydroxy acid residues. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1534-7	16.4	74
17	Highly enantioselective inverse-electron-demand hetero-diels-alder reactions of alpha,beta-unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 3059-61	16.4	161
16	Synthesis of Cyclo- $\beta$ -tripeptides and Their Biological in vitro Evaluation as Antiproliferatives against the Growth of Human Cancer Cell Lines. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 2924-2937	2	61
15	The beta-peptide hairpin in solution: conformational study of a beta-hexapeptide in methanol by NMR spectroscopy and MD simulation. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 2393-404	16.4	174
14	Peptide folding induces high and selective affinity of a linear and small beta-peptide to the human somatostatin receptor 4. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 2460-8	8.3	147
13	The Cyclo- $\beta$ -tetrapeptide ( $\beta$ -Phe- $\beta$ -Thr- $\beta$ -Lys- $\beta$ -Trp): Synthesis, NMR Structure in Methanol Solution, and Affinity for Human Somatostatin Receptors. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 16-33	2	73
12	Synthesis of $\beta$ -Hexa- and $\beta$ -Heptapeptides Containing Novel $\beta$ ,3-Amino Acids with Two Serine or Two Cysteine Side Chains [CD- and NMR-Spectroscopic Evidence for 314-Helical Secondary Structures in Water. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 2115-2140	2	35
11	Temperature-Dependent NMR and CD Spectra of $\beta$ -Peptides: On the Thermal Stability of $\beta$ -Peptide Helices [Is the Folding Process of $\beta$ -Peptides Non-cooperative?]. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 1-11	2	52
10	Preparation and NMR Structure of the Cyclo- $\beta$ -tripeptide [ $\beta$ -H-Glu] <sub>3</sub> in Aqueous Solution: A New Class of Enterobactin-Type C <sub>3</sub> -Symmetrical Ligands?, Preliminary Communication. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 957-962	2	30
9	$\beta$ -Thiopeptides: Synthesis, NMR Solution Structure, CD Spectra, and Photochemistry. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 2067-2093	2	54
8	Faltblätter und Schleifen von $\beta$ -Peptiden mit proteinogenen Seitenketten. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 1700-1703	3.6	54

7	Peptide Folding: When Simulation Meets Experiment. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 236-240	16.4	1258
6	Synthesis and Biological Evaluation of a Cyclo- $\beta$ -tetrapeptide as a Somatostatin Analogue. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 1223-1226	16.4	159
5	Pleated Sheets and Turns of $\beta$ -Peptides with Proteinogenic Side Chains. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 1595-1597	16.4	228
4	Peptides: Twisting and Turning. <i>Current Medicinal Chemistry</i> , <b>1999</b> , 6, 905-925	4.3	162
3	$\alpha$ - and $\beta$ -Peptides with Proteinaceous Side Chains: Synthesis and solution structures of constitutional isomers, a novel helical secondary structure and the influence of solvation and hydrophobic interactions on folding. <i>Helvetica Chimica Acta</i> , <b>1998</b> , 81, 932-982	2	287
2	Mixed $\beta$ -peptides: A unique helical secondary structure in solution. Preliminary communication. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 2033-2038	2	151
1	A Volatile Signal Controls Virulence in the Plant Pathogen <i>Pseudomonas syringae</i> pv. <i>syringae</i> and a Strategy for Infection Control in Organic Farming		1