

# Carsten Schmuck

## 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.

151  
papers

3,219  
citations

29  
h-index

51  
g-index

158  
ext. papers

3,531  
ext. citations

7.1  
avg, IF

5.68  
L-index

#	Paper	IF	Citations
151	Selective Disruption of Survivin <sup>®</sup> Protein-Protein Interactions: A Supramolecular Approach Based on Guanidiniocarbonylpyrrole.. <i>ChemBioChem</i> , <b>2022</b> , e202100618	3.8	1
150	Supramolecular polymers with reversed viscosity/temperature profile for application in motor oils. <i>Beilstein Journal of Organic Chemistry</i> , <b>2021</b> , 17, 105-114	2.5	1
149	Structure optimization of lipopeptide assemblies for aldol reactions in an aqueous medium. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 10953-10963	3.6	1
148	Water-Soluble, pH Responsive Polymeric Nanoparticles: A Modular Approach. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2499-2503	4.3	5
147	Dual pH-Induced Reversible Self-Assembly of Gold Nanoparticles by Surface Functionalization with Zwitterionic Ligands. <i>Small</i> , <b>2020</b> , 16, e2001044	11	9
146	Funktionelle Inhibition der krebsrelevanten Interaktion von Survivin und Histon H3 mit einem Guanidiniumcarbonylpyrrol-Liganden. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5614-5619	3.6	2
145	Functional Disruption of the Cancer-Relevant Interaction between Survivin and Histone H3 with a Guanidiniocarbonyl Pyrrole Ligand. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5567-5571	16.4	11
144	Multi-Stimuli-Responsive Supramolecular Polymers Based on Noncovalent and Dynamic Covalent Bonds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2107-2115	9.5	16
143	Cancer-Cell-Specific Drug Delivery by a Tumor-Homing CPP-Gossypol Conjugate Employing a Tracelessly Cleavable Linker. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3010-3015	4.8	15
142	A Supramolecular Stabilizer of the 14-3-3 <sup>ζ</sup> ERP Protein-Protein Interaction with a Synergistic Mode of Action. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5284-5287	16.4	11
141	A Supramolecular Stabilizer of the 14-3-3 <sup>ζ</sup> ERP Protein-Protein Interaction with a Synergistic Mode of Action. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5322-5325	3.6	
140	A Metallosupramolecular Coordination Polymer for the Turn-on Fluorescence Detection of Hydrogen Sulfide. <i>ChemistryOpen</i> , <b>2020</b> , 9, 786-792	2.3	3
139	Fluorimetric and CD Recognition between Various ds-DNA/RNA Depends on a Cyanine Connectivity in Cyanine-guanidiniocarbonyl-pyrrole Conjugate. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
138	Naphthalene diimide bis-guanidinio-carbonyl-pyrrole as a pH-switchable threading DNA intercalator. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 2201-2211	2.5	0
137	The guanidiniocarbonylpyrrole-fluorophore conjugates as theragnostic tools for dipeptidyl peptidase III monitoring and inhibition. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3790-3800	3.6	3
136	Smart Glycopolymetric Nanoparticles for Multivalent Lectin Binding and Stimuli-Controlled Guest Release. <i>Biomacromolecules</i> , <b>2020</b> , 21, 2356-2364	6.9	4
135	A Selective Cucurbit[8]uril-Peptide Beacon Ensemble for the Ratiometric Fluorescence Detection of Peptides. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13088-13093	4.8	9

134	A stimuli responsive two component supramolecular hydrogelator with aggregation-induced emission properties. <i>Soft Matter</i> , <b>2019</b> , 15, 7117-7121	3.6	9
133	A Branched Tripeptide with an Anion-Binding Motif as a New Delivery Carrier for Efficient Gene Transfection. <i>ChemBioChem</i> , <b>2019</b> , 20, 1410-1416	3.8	12
132	Multivalent Ligands with Tailor-Made Anion Binding Motif as Stabilizers of Protein-Protein Interactions. <i>ChemBioChem</i> , <b>2019</b> , 20, 2921-2926	3.8	10
131	Diverse Properties of Guanidiniocarbonyl Pyrrole-Based Molecules: Artificial Analogues of Arginine. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1709-1720	24.3	24
130	DNA/RNA recognition controlled by the glycine linker and the guanidine moiety of phenanthridine peptides. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 422-434	7.9	13
129	Arginine mimetic appended peptide-based probes for fluorescence turn-on detection of 14-3-3 proteins. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 4359-4363	3.9	10
128	Non-viral transfection vectors: are hybrid materials the way forward?. <i>MedChemComm</i> , <b>2019</b> , 10, 1692-1718		29
127	Impact of Modified Silica Beads on Methane Hydrate Formation in a Fixed-Bed Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 16687-16695	3.9	17
126	Artificial Peptide and Protein Receptors <b>2019</b> , 79-113		1
125	Development of a Surface-Active Coating for Promoted Gas Hydrate Formation. <i>Chemie-Ingenieur-Technik</i> , <b>2019</b> , 91, 85-91	0.8	14
124	A new class of supramolecular ligands stabilizes 14-3-3 protein-protein interactions by up to two orders of magnitude. <i>Chemical Communications</i> , <b>2018</b> , 55, 111-114	5.8	7
123	A dipeptide with enhanced anion binding affinity enables cell uptake and protein delivery. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 2312-2317	3.9	5
122	Formation of Polymeric Particles by Direct Polymerization on the Surface of a Supramolecular Template. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9061-9065	4.8	2
121	Rational Design, Binding Studies, and Crystal-Structure Evaluation of the First Ligand Targeting the Dimerization Interface of the 14-3-3 $\beta$ Adapter Protein. <i>ChemBioChem</i> , <b>2018</b> , 19, 591-595	3.8	10
120	Locating Large, Flexible Ligands on Proteins. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 315-327	6.1	2
119	Molecular recognition of carboxylates in the protein leucine zipper by a multivalent supramolecular ligand: residue-specific, sensitive and label-free probing by UV resonance Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 1817-1820	3.6	5
118	Fluorescent cyanine-guanidiniocarbonyl-pyrrole conjugate with pH-dependent DNA/RNA recognition and DPP III fluorescent labelling and inhibition properties. <i>Monatshefte für Chemie</i> , <b>2018</b> , 149, 1307-1313	1.4	4
117	Hierarchical self-assembly of a small monomer with two orthogonal binding sites: From discrete hexagonal containers to a stimuli-responsive supramolecular gel. <i>Supramolecular Chemistry</i> , <b>2018</b> , 30, 395-403	1.8	4

116	From Supramolecular Vesicles to Micelles: Controllable Construction of Tumor-Targeting Nanocarriers Based on Host-Guest Interaction between a Pillar[5]arene-Based Prodrug and a RGD-Sulfonate Guest. <i>Small</i> , <b>2018</b> , 14, e1803952	11	44
115	Norbornane-based cationic antimicrobial peptidomimetics targeting the bacterial membrane. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 160, 9-22	6.8	12
114	Guanidiniocarbonyl Pyrrole Cation (GCP) [A New Guest for Cucurbit[8]uril: Application to the Synthesis of Supramolecular Polymers Based on CB[8]@2GCP Complex Formation. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 6515-6518	3.2	3
113	Dimensional control of supramolecular assemblies of diacetylene-derived peptide gemini amphiphile: from spherical micelles to foamlke networks. <i>Soft Matter</i> , <b>2018</b> , 14, 5565-5571	3.6	7
112	Formation of Twisted $\beta$ Sheet Tapes from a Self-Complementary Peptide Based on Novel Pillararene-GCP Host-Guest Interaction with Gene Transfection Properties. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9754-9759	4.8	19
111	A dual pH-responsive supramolecular gelator with aggregation-induced emission properties. <i>Soft Matter</i> , <b>2018</b> , 14, 6166-6170	3.6	26
110	Incorporation of arginine mimetic residue into peptides for recognition of double stranded nucleic acid structure: Binding and aggregation studies. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 1875-1880	3.4	7
109	Efficient Gene Transfection through Inhibition of $\beta$ Sheet (Amyloid Fiber) Formation of a Short Amphiphilic Peptide by Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8083-8088	16.4	14
108	Efficient Gene Transfection through Inhibition of $\beta$ Sheet (Amyloid Fiber) Formation of a Short Amphiphilic Peptide by Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8195-8200	3.6	2
107	Peptide-Based Probes with an Artificial Anion-Binding Motif for Direct Fluorescence "Switch-On" Detection of Nucleic Acid in Cells. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 17356-17362	4.8	11
106	An inverted supramolecular amphiphile and its step-wise self-assembly into vesicular networks. <i>Soft Matter</i> , <b>2017</b> , 13, 8108-8112	3.6	1
105	Morphology-Dependent Cell Imaging by Using a Self-Assembled Diacetylene Peptide Amphiphile. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14718-14722	3.6	5
104	A Systematic Structure-Activity Study of a New Type of Small Peptidic Transfection Vector Reveals the Importance of a Special Oxo-Anion-Binding Motif for Gene Delivery. <i>ChemBioChem</i> , <b>2017</b> , 18, 2268-2279	3.8	9
103	Morphology-Dependent Cell Imaging by Using a Self-Assembled Diacetylene Peptide Amphiphile. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14526-14530	16.4	33
102	Self-Assembly of a Tripodal Triswitterion Forms a pH-Switchable Hydrogel that Can Reversibly Encapsulate Hydrophobic Guests in Water. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 320-326	4.8	6
101	Nucleobase-Guanidiniocarbonyl-Pyrrole Conjugates as Novel Fluorimetric Sensors for Single Stranded RNA. <i>Molecules</i> , <b>2017</b> , 22,	4.8	6
100	A metal-free fluorescence turn-on molecular probe for detection of nucleoside triphosphates. <i>Chemical Communications</i> , <b>2016</b> , 53, 208-211	5.8	44
99	Introduction of a tailor made anion receptor into the side chain of small peptides allows fine-tuning the thermodynamic signature of peptide-DNA binding. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 8800-8803	3.9	8

98	Two-Component Self-Assembly: Hierarchical Formation of pH-Switchable Supramolecular Networks by $\beta$ -Induced Aggregation of Ion Pairs. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 15242-15247	4.8	16
97	Guanidiniocarbonyl-pyrrole-aryl conjugates as inhibitors of human dipeptidyl peptidase III: combined experimental and computational study. <i>RSC Advances</i> , <b>2016</b> , 6, 83044-83052	3.7	10
96	Fluorescent Peptide Beacons for the Selective Ratiometric Detection of Heparin. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 13156-61	4.8	19
95	Use of an Octapeptide-Guanidiniocarbonylpyrrole Conjugate for the Formation of a Supramolecular $\beta$ -Helix that Self-Assembles into pH-Responsive Fibers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13015-13018	16.4	20
94	Use of an Octapeptide-Guanidiniocarbonylpyrrole Conjugate for the Formation of a Supramolecular $\beta$ -Helix that Self-Assembles into pH-Responsive Fibers. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13209-13212	3.6	9
93	pH-Controlled Formation of a Stable $\beta$ -Sheet and Amyloid-like Fibers from an Amphiphilic Peptide: The Importance of a Tailor-Made Binding Motif for Secondary Structure Formation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15513-15517	3.6	6
92	pH-Controlled Formation of a Stable $\beta$ -Sheet and Amyloid-like Fibers from an Amphiphilic Peptide: The Importance of a Tailor-Made Binding Motif for Secondary Structure Formation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15287-15291	16.4	12
91	Incorporation of a Non-Natural Arginine Analogue into a Cyclic Peptide Leads to Formation of Positively Charged Nanofibers Capable of Gene Transfection. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 608-611	3.6	15
90	Incorporation of a Non-Natural Arginine Analogue into a Cyclic Peptide Leads to Formation of Positively Charged Nanofibers Capable of Gene Transfection. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 598-601	16.4	61
89	A FRET-enabled molecular peptide beacon with a significant red shift for the ratiometric detection of nucleic acids. <i>Chemical Communications</i> , <b>2016</b> , 52, 6134-7	5.8	13
88	Guanidiniocarbonyl pyrrole (GCP) conjugated PAMAM-G2, a highly efficient vector for gene delivery: the importance of DNA condensation. <i>Chemical Communications</i> , <b>2016</b> , 52, 12446-12449	5.8	14
87	A tailor-made specific anion-binding motif in the side chain transforms a tetrapeptide into an efficient vector for gene delivery. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2941-4	16.4	83
86	Discovery of potent inhibitors of human $\beta$ -tryptase from pre-equilibrated dynamic combinatorial libraries. <i>Chemical Science</i> , <b>2015</b> , 6, 1792-1800	9.4	27
85	Two-component self-assembly of a tetra-guanidiniocarbonyl pyrrole cation and Na <sub>4</sub> EDTA: formation of pH switchable supramolecular networks. <i>Chemical Communications</i> , <b>2015</b> , 51, 16065-7	5.8	9
84	A Tailor-Made Specific Anion-Binding Motif in the Side Chain Transforms a Tetrapeptide into an Efficient Vector for Gene Delivery. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2984-2987	3.6	37
83	Chapter 8:Synthetic Receptors for Amino Acids and Peptides. <i>Monographs in Supramolecular Chemistry</i> , <b>2015</b> , 326-368	1.1	16
82	Preparation and antimalarial activity of a novel class of carbohydrate-derived, fused thiochromans. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 87, 197-202	6.8	17
81	Transforming polyethylenimine into a pH-switchable hydrogel by additional supramolecular interactions. <i>Chemical Communications</i> , <b>2014</b> , 50, 10464-7	5.8	27

80	A supramolecular gel from a quadruple zwitterion that responds to both acid and base. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12550-4	16.4	69
79	A new approach to inhibit human $\beta$ -cryptase by protein surface binding of four-armed peptide ligands with two different sets of arms. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 1631-9	3.9	19
78	Cooperative self-assembly of discoid dimers: hierarchical formation of nanostructures with a pH switch. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8342-9	16.4	58
77	Force field-based conformational searches: efficiency and performance for peptide receptor complexes. <i>Molecular Physics</i> , <b>2013</b> , 111, 2489-2500	1.7	2
76	Utilizing combinatorial chemistry and rational design: peptidic tweezers with nanomolar affinity to DNA can be transformed into efficient vectors for gene delivery by addition of a lipophilic tail. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 14016-20	16.4	38
75	Utilizing Combinatorial Chemistry and Rational Design: Peptidic Tweezers with Nanomolar Affinity to DNA Can Be Transformed into Efficient Vectors for Gene Delivery by Addition of a Lipophilic Tail. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 14266-14270	3.6	19
74	A Supramolecular Gel from a Quadruple Zwitterion that Responds to Both Acid and Base. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12782-12786	3.6	22
73	Interactions of multicationic bis(guanidiniocarbonylpyrrole) receptors with double-stranded nucleic acids: syntheses, binding studies, and atomic force microscopy imaging. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 1352-63	4.8	24
72	Quantitative label-free monitoring of peptide recognition by artificial receptors: a comparative FT-IR and UV resonance Raman spectroscopic study. <i>Chemical Science</i> , <b>2012</b> , 3, 3371	9.4	17
71	Direct experimental observation of the aggregation of amino acids into 100 $\times$ 100 nm clusters in aqueous solution. <i>RSC Advances</i> , <b>2012</b> , 2, 4690	3.7	32
70	Efficient gene delivery into cells by a surprisingly small three-armed peptide ligand. <i>Chemical Science</i> , <b>2012</b> , 3, 996	9.4	29
69	A molecular peptide beacon for the ratiometric sensing of nucleic acids. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1958-61	16.4	130
68	Nucleotide recognition in water by a guanidinium-based artificial tweezer receptor. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5311-8	4.8	57
67	Peptide functionalized polydiacetylene liposomes act as a fluorescent turn-on sensor for bacterial lipopolysaccharide. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9720-3	16.4	158
66	Quantitative, label-free and site-specific monitoring of molecular recognition: a multivariate resonance Raman approach. <i>Chemical Communications</i> , <b>2011</b> , 47, 568-70	5.8	10
65	Guanidinium Based Anion Receptors <b>2010</b> , 273-317		2
64	Site-specific pKa determination of the carboxylate-binding subunit in artificial peptide receptors. <i>Chemical Communications</i> , <b>2010</b> , 46, 2133-5	5.8	16
63	Guanidiniocarbonylpyrrole-aryl derivatives: structure tuning for spectrophotometric recognition of specific DNA and RNA sequences and for antiproliferative activity. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3036-56	4.8	31

62	Reversible and Noncompetitive Inhibition of $\beta$ -Tryptase by Protein Surface Binding of Tetravalent Peptide Ligands Identified from a Combinatorial Split-Mix Library. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 4207-4210	3.6	9
61	Reversible and noncompetitive inhibition of beta-tryptase by protein surface binding of tetravalent peptide ligands identified from a combinatorial split-mix library. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4113-6	16.4	22
60	pH-switchable vesicles from a serine-derived guanidiniocarbonyl pyrrole carboxylate zwitterion in DMSO. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 8747-50	16.4	34
59	Downsizing of Enzymes by Chemical Methods: Arginine Mimics with Low pKa Values Increase the Rates of Hydrolysis of RNA Model Compounds. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 6850-6853	3.6	5
58	Downsizing of enzymes by chemical methods: arginine mimics with low pKa values increase the rates of hydrolysis of RNA model compounds. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6722-5	16.4	17
57	Hydrolytic activity of histidine-containing octapeptides in water identified by quantitative screening of a combinatorial library. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 4362-8	3.9	18
56	Characterization of guanidiniocarbonyl pyrroles in water by pH-dependent UV Raman spectroscopy and component analysis. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6770-5	3.6	14
55	A Facile and Efficient Multi-Gram Synthesis of N-Protected 5-(Guanidiniocarbonyl)-1H-pyrrole-2-carboxylic Acids. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 324-329	3.2	41
54	A novel pyrene-guanidiniocarbonyl-pyrrole cation efficiently differentiates between ds-DNA and ds-RNA by two independent, sensitive spectroscopic methods. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 2977-81	2.9	24
53	Screening of a combinatorial library reveals peptide-based catalysts for phosphorester cleavage in water. <i>Organic Letters</i> , <b>2007</b> , 9, 5389-92	6.2	21
52	UV resonance Raman spectroscopic monitoring of supramolecular complex formation: peptide recognition in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 4598-603	3.6	18
51	Ion pair driven self-assembly of a flexible bis-zwitterion in polar solution: formation of discrete nanometer-sized cyclic dimers. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1430-1	16.4	55
50	How to improve guanidinium cations for oxoanion binding in aqueous solution?. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 3053-3067	23.2	178
49	A molecular flytrap for the selective binding of citrate and other tricarboxylates in water. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3373-9	16.4	144
48	Design and synthesis of a new class of arginine analogues with an improved anion binding site in the side chain. <i>Chemical Communications</i> , <b>2005</b> , 772-4	5.8	23
47	Recognition of anionic carbohydrates by an artificial receptor in water. <i>Organic Letters</i> , <b>2005</b> , 7, 3517-20	6.2	53
46	Efficient complexation of N-acetyl amino acid carboxylates in water by an artificial receptor: unexpected cooperativity in the binding of glutamate but not aspartate. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 10486-7	16.4	50
45	"Knock-out" analogues as a tool to quantify supramolecular processes: a theoretical study of molecular interactions in guanidiniocarbonyl pyrrole carboxylate dimers. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11115-24	16.4	63

44	Charge interactions do the job: a combined statistical and combinatorial approach to finding artificial receptors for binding tetrapeptides in water. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7208-12	16.4	37
43	Ladungswechselwirkungen machen es möglich: ein kombinierter statistischer und kombinatorischer Ansatz zur Auffindung künstlicher Rezeptoren für die Bindung von Tetrapeptiden in Wasser. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7374-7379	3.6	15
42	Stabilization of Peptide Microstructures by Coordination of Metal Ions <b>2004</b> , 31-47		0
41	RNA As a Catalyst: The Diels-Alderase Ribozyme <b>2004</b> , 422-435		
40	Artificial Receptors for the Stabilization of $\beta$ Sheet Structures <b>2004</b> , 155-171		0
39	Interaction of Nitrogen Monoxide and Peroxynitrite with Hemoglobin and Myoglobin <b>2004</b> , 191-202		
38	Synthetic Approaches to Study Multivalent Carbohydrate-Lectin Interactions <b>2004</b> , 203-213		3
37	Twin Ribozymes <b>2004</b> , 404-421		1
36	Carbohydrate Recognition by Artificial Receptors <b>2004</b> , 107-123		1
35	Cyclopeptides As Macrocyclic Host Molecules for Charged Guests <b>2004</b> , 124-139		5
34	Labeling of Fusion Proteins with Small Molecules in Vivo <b>2004</b> , 344-351		
33	Combinatorial Methods for the Discovery of Catalysts <b>2004</b> , 436-445		11
32	Aspartic Proteases Involved in Alzheimer's Disease <b>2004</b> , 262-276		2
31	Selectivity of DNA Replication <b>2004</b> , 297-310		
30	Inhibitors against Human Mast Cell Tryptase: A Potential Approach to Attack Asthma? <b>2004</b> , 227-241		
29	Building a Bridge between Chemistry and Biology [Molecular Forces That Inhibit the Farnesylation of RAS <b>2004</b> , 215-226		1
28	Preparation of Novel Steroids by Microbiological and Combinatorial Chemistry <b>2004</b> , 242-247		0
27	Small Molecule Arrays <b>2004</b> , 485-500		1



26	Chemical Approaches for the Preparation of Biologically-Inspired Supramolecular Architectures and Advanced Polymeric Materials <b>2004</b> , 540-559	0
25	Exploring the Capabilities of Nucleic Acid Polymerases by Use of Directed Evolution <b>2004</b> , 329-343	
24	Protease-Catalyzed Formation of C-N Bonds <b>2004</b> , 387-403	1
23	Artificial Molecular Rotary Motors Based on Rotaxanes <b>2004</b> , 526-539	9
22	Oxidative Splitting of Pyrimidine Cyclobutane Dimers <b>2004</b> , 352-368	
21	Homogeneous DNA Detection <b>2004</b> , 311-328	2
20	Charge Transfer in DNA <b>2004</b> , 369-385	2
19	Novel Polymer and Linker Reagents for the Preparation of Protease-Inhibitor Libraries <b>2004</b> , 277-295	0
18	Enantiomeric Nucleic Acids [Spiegelmers] <b>2004</b> , 248-261	0
17	Dipeptide binding in water by a de novo designed guanidiniocarbonylpyrrole receptor. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 8898-9	16.4 100
16	$\alpha$ Amino Acids in Nature <b>2004</b> , 63-89	15
15	Bioorganic Receptors for Amino Acids and Peptides: Combining Rational Design with Combinatorial Chemistry <b>2004</b> , 140-154	0
14	Evaluation of the DNA-Binding Properties of Cationic Dyes by Absorption and Emission Spectroscopy <b>2004</b> , 172-190	2
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10	Conformational Restriction of Sphingolipids <b>2004</b> , 48-62	1
9	Linkers for Solid-Phase Synthesis <b>2004</b> , 447-484	2

8	Biotechnological Production of D-Pantothenic Acid and Its Precursor D-Pantolactone <b>2004</b> , 501-510		1
7	Equilibria of RNA Secondary Structures <b>2004</b> , 1-17		
6	Highly stable self-assembly in water: ion pair driven dimerization of a guanidiniocarbonyl pyrrole carboxylate zwitterion. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 452-9	16.4	178
5	NRalkylated guanidiniocarbonyl pyrroles: new receptors for amino acid recognition in water. <i>Organic Letters</i> , <b>2003</b> , 5, 4579-81	6.2	58
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