

# Roland J Pieters

## 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.

143  
papers

5,302  
citations

40  
h-index

68  
g-index

172  
ext. papers

5,791  
ext. citations

5.7  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
143	Functions and Inhibition of Galectin-7, an Emerging Target in Cellular Pathophysiology. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
142	Fighting by Blocking Its Disease-Causing Toxin. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 6059-6069	8.3	1
141	New Quinolinone O-GlcNAc Transferase Inhibitors Based on Fragment Growth. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 666122	5	1
140	Differential effects of oligosaccharides on the effectiveness of ampicillin against Escherichia coli in vitro. <i>PharmaNutrition</i> , <b>2021</b> , 16, 100264	2.9	3
139	C-Terminal Tag Location Hampers in Vitro Profiling of OGT Peptide Substrates by mRNA Display. <i>ChemBioChem</i> , <b>2021</b> , 22, 666-671	3.8	1
138	Design and Development of Divalent Lectin Ligands <b>2021</b> , 405-413		
137	Overview of the Assays to Probe -Linked $\beta$ -Acetylglucosamine Transferase Binding and Activity. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
136	Non-Digestible Oligosaccharides and Short Chain Fatty Acids as Therapeutic Targets against Enterotoxin-Producing Bacteria and Their Toxins. <i>Toxins</i> , <b>2021</b> , 13,	4.9	9
135	Biochemical and structural studies of target lectin SapL1 from the emerging opportunistic microfungus <i>Scedosporium apiospermum</i> . <i>Scientific Reports</i> , <b>2021</b> , 11, 16109	4.9	1
134	Antimicrobial Activities of Alginate and Chitosan Oligosaccharides Against and Group B. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 700605	5.7	2
133	Anti-Pathogenic Functions of Non-Digestible Oligosaccharides In Vitro. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	21
132	Carbohydrate-protein interactions: Enhancing multivalency effects through statistical rebinding <b>2020</b> , 383-402		1
131	Benefits of Collisional Cross Section Assisted Precursor Selection (caps-PASEF) for Cross-linking Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , <b>2020</b> , 19, 1677-1687	7.6	14
130	Assembly of Divalent Ligands and Their Effect on Divalent Binding to <i>Pseudomonas aeruginosa</i> Lectin LecA. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 2470-2488	4.2	15
129	Lactulose synergizes with CpG-ODN to modulate epithelial and immune cells cross talk. <i>Food and Function</i> , <b>2019</b> , 10, 33-37	6.1	4
128	Enhanced Inhibition of Influenza A Virus Adhesion by Di- and Trivalent Hemagglutinin Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 6398-6404	8.3	16
127	A 'catch-and-release' receptor for the cholera toxin. <i>Faraday Discussions</i> , <b>2019</b> , 219, 112-127	3.6	5

126	Study of cross talk between phosphatases and OGA on a ZO-3-derived peptide. <i>Amino Acids</i> , <b>2019</b> , 51, 739-743	3.5	5
125	Tetravalent <i>Pseudomonas aeruginosa</i> Adhesion Lectin LecA Inhibitor for Enhanced Biofilm Inhibition. <i>Helvetica Chimica Acta</i> , <b>2019</b> , 102, e1900014	2	6
124	Carbohydrate-protein interactions and multivalency: implications for the inhibition of influenza A virus infections. <i>Expert Opinion on Drug Discovery</i> , <b>2019</b> , 14, 387-395	6.2	18
123	PhoX: An IMAC-Enrichable Cross-Linking Reagent. <i>ACS Central Science</i> , <b>2019</b> , 5, 1514-1522	16.8	55
122	Hybrid ligands with calixarene and thiodigalactoside groups: galectin binding and cytotoxicity.. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 2981-2990	5.2	3
121	Finding and using diagnostic ions in collision induced crosslinked peptide fragmentation spectra. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 444, 116184	1.9	5
120	A hybrid polymer to target blood group dependence of cholera toxin. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 18, 52-55	3.9	7
119	Fluorescent Trimeric Hemagglutinins Reveal Multivalent Receptor Binding Properties. <i>Journal of Molecular Biology</i> , <b>2019</b> , 431, 842-856	6.5	24
118	Strong Inhibition of Cholera Toxin B Subunit by Affordable, Polymer-Based Multivalent Inhibitors. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 785-792	6.3	14
117	Thiodigalactoside-Bovine Serum Albumin Conjugates as High-Potency Inhibitors of Galectin-3: An Outstanding Example of Multivalent Presentation of Small Molecule Inhibitors. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1266-1275	6.3	21
116	The Role of Excipients in the Stability of Triamcinolone Acetonide in Ointments. <i>AAPS PharmSciTech</i> , <b>2018</b> , 19, 1448-1453	3.9	3
115	Inhibition of -GlcNAc transferase (OGT) by peptidic hybrids. <i>MedChemComm</i> , <b>2018</b> , 9, 883-887	5	11
114	Demystifying O-GlcNAcylation: hints from peptide substrates. <i>Glycobiology</i> , <b>2018</b> , 28, 814-824	5.8	7
113	Topically used corticosteroids: What is the big picture of drug product degradation?. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 117, 1-7	5.1	
112	"In vitro" studies on galectin-3 in human natural killer cells. <i>Immunology Letters</i> , <b>2018</b> , 194, 4-12	4.1	10
111	Rationally Designed Chemically Modified Glycodendrimer Inhibits <i>Streptococcus suis</i> Adhesin SadP at Picomolar Concentrations. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1905-1912	4.8	8
110	Affinity capillary electrophoresis for the assessment of binding affinity of carbohydrate-based cholera toxin inhibitors. <i>Electrophoresis</i> , <b>2018</b> , 39, 344-347	3.6	7
109	Probing the Inhibitor versus Chaperone Properties of sp <sup>2</sup> -Iminosugars towards Human $\alpha$ -Glucocerebrosidase: A Picomolar Chaperone for Gaucher Disease. <i>Molecules</i> , <b>2018</b> , 23,	4.8	21

108	Peptide microarray analysis of the cross-talk between O-GlcNAcylation and tyrosine phosphorylation. <i>FEBS Letters</i> , <b>2017</b> , 591, 1872-1883	3.8	14
107	Measuring O-GlcNAc cleavage by OGA and cell lysates on a peptide microarray. <i>Analytical Biochemistry</i> , <b>2017</b> , 532, 12-18	3.1	8
106	N-Guanidino Derivatives of 1,5-Dideoxy-1,5-imino-d-xylitol are Potent, Selective, and Stable Inhibitors of $\beta$ -Glucocerebrosidase. <i>ChemMedChem</i> , <b>2017</b> , 12, 483-486	3.7	7
105	Orthoester functionalized -guanidino derivatives of 1,5-dideoxy-1,5-imino-d-xylitol as pH-responsive inhibitors of $\beta$ -glucocerebrosidase. <i>MedChemComm</i> , <b>2017</b> , 8, 2050-2054	5	5
104	Blocking Disease Linked Lectins with Multivalent Carbohydrates <b>2017</b> , 345-380		1
103	Galectin-3-Binding Glycomimetics that Strongly Reduce Bleomycin-Induced Lung Fibrosis and Modulate Intracellular Glycan Recognition. <i>ChemBioChem</i> , <b>2016</b> , 17, 1759-70	3.8	94
102	Functional Characterization of Cholera Toxin Inhibitors Using Human Intestinal Organoids. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 6968-72	8.3	37
101	Site-specific conjugation of single domain antibodies to liposomes enhances photosensitizer uptake and photodynamic therapy efficacy. <i>Nanoscale</i> , <b>2016</b> , 8, 6490-4	7.7	29
100	Activity Based High-Throughput Screening for Novel O-GlcNAc Transferase Substrates Using a Dynamic Peptide Microarray. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151085	3.7	19
99	Bicyclic isoureas derived from 1-deoxynojirimycin are potent inhibitors of $\beta$ -glucocerebrosidase. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 8670-3	3.9	10
98	Thiourea-based spacers in potent divalent inhibitors of <i>Pseudomonas aeruginosa</i> virulence lectin LecA. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 10923-8	3.9	5
97	Structural Insight into Multivalent Galactoside Binding to <i>Pseudomonas aeruginosa</i> Lectin LecA. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2455-62	4.9	40
96	Functionalization of a Rigid Divalent Ligand for LecA, a Bacterial Adhesion Lectin. <i>ChemistryOpen</i> , <b>2015</b> , 4, 463-70	2.3	10
95	Tetra- versus Pentavalent Inhibitors of Cholera Toxin. <i>ChemistryOpen</i> , <b>2015</b> , 4, 471-7	2.3	12
94	Cross-platform comparison of glycan microarray formats. <i>Glycobiology</i> , <b>2014</b> , 24, 507-17	5.8	92
93	Towards bacterial adhesion-based therapeutics and detection methods. <i>MedChemComm</i> , <b>2014</b> , 5, 1027-1035		19
92	Site-specific functionalization of proteins and their applications to therapeutic antibodies. <i>Computational and Structural Biotechnology Journal</i> , <b>2014</b> , 9, e201402001	6.8	33
91	A proteinaceous fraction of wheat bran may interfere in the attachment of enterotoxigenic <i>E. coli</i> K88 (F4+) to porcine epithelial cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e104258	3.7	7

90	Convenient Stereoselective Synthesis of Substituted Ureido Glycosides Using Stable 4-Chlorophenylcarbamates without the Requirement of Lewis Acids. <i>Synlett</i> , <b>2014</b> , 25, 205-208	2.2	
89	New properties of wheat bran: anti-biofilm activity and interference with bacteria quorum-sensing systems. <i>Environmental Microbiology</i> , <b>2014</b> , 16, 1346-53	5.2	18
88	Uptake and transport of superparamagnetic iron oxide nanoparticles through human brain capillary endothelial cells. <i>ACS Chemical Neuroscience</i> , <b>2013</b> , 4, 1352-60	5.7	60
87	Tuning the preference of thiodigalactoside- and lactosamine-based ligands to galectin-3 over galectin-1. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 1350-4	8.3	51
86	Multivalent glycoconjugates as anti-pathogenic agents. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4709-27	58.5	399
85	Development of a microarray detection method for galectin cancer proteins based on ligand binding. <i>Analytical Biochemistry</i> , <b>2013</b> , 434, 99-104	3.1	6
84	Glycosidase inhibition by novel guanidinium and urea iminosugar derivatives. <i>MedChemComm</i> , <b>2013</b> , 4, 387-393	5	20
83	Bridging lectin binding sites by multivalent carbohydrates. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4492-503	58.5	161
82	Optimizing divalent inhibitors of <i>Pseudomonas aeruginosa</i> lectin LecA by using a rigid spacer. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 16923-7	4.8	54
81	Efficient synthesis of phenylene-ethynylene rods and their use as rigid spacers in divalent inhibitors. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 215-22	2.5	17
80	Use of tetravalent galabiose for inhibition of streptococcus suis serotype 2 infection in a mouse model. <i>Biology</i> , <b>2013</b> , 2, 702-18	4.9	9
79	Bacterial Adhesion of <i>Streptococcus suis</i> to Host Cells and Its Inhibition by Carbohydrate Ligands. <i>Biology</i> , <b>2013</b> , 2, 918-35	4.9	12
78	Functional assay for shiga-like toxin via detection by antibody capture and multivalent galabiose binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 7448-50	2.9	1
77	Enhancing membrane disruption by targeting and multivalent presentation of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 2171-4	3.8	27
76	Potent divalent inhibitors with rigid glucose click spacers for <i>Pseudomonas aeruginosa</i> lectin LecA. <i>Chemical Communications</i> , <b>2012</b> , 48, 4008-10	5.8	64
75	Enhanced membrane pore formation through high-affinity targeted antimicrobial peptides. <i>PLoS ONE</i> , <b>2012</b> , 7, e39768	3.7	38
74	Synthesis and antifungal properties of papulacandin derivatives. <i>Beilstein Journal of Organic Chemistry</i> , <b>2012</b> , 8, 732-7	2.5	27
73	Synthesis and evaluation of novel macrocyclic antifungal peptides. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 6505-17	3.4	12

72	Enhanced Inhibition of Protein Carbohydrate Interactions by Dendritic Multivalent Glycoligands. <i>ACS Symposium Series</i> , <b>2011</b> , 91-103	0.4	0
71	Carbohydrate mediated bacterial adhesion. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 715, 227-40	3.6	41
70	The Role of Carbohydrates in Bacterial Infections <b>2011</b> , 93-106		2
69	Detection of pathogenic <i>Streptococcus suis</i> bacteria using magnetic glycoparticles. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 2425-9	3.9	41
68	Rapid screening of lectins for multivalency effects with a glycodendrimer microarray. <i>ChemBioChem</i> , <b>2010</b> , 11, 1896-904	3.8	62
67	Nanomolar affinity, iminosugar-based chemical probes for specific labeling of lysosomal glucocerebrosidase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 267-73	3.4	21
66	The influence of ligand valency on aggregation mechanisms for inhibiting bacterial toxins. <i>ChemBioChem</i> , <b>2009</b> , 10, 329-37	3.8	56
65	Synthesis and evaluation of new thiodigalactoside-based chemical probes to label galectin-3. <i>ChemBioChem</i> , <b>2009</b> , 10, 1724-33	3.8	33
64	Potential scorpionate antibiotics: targeted hydrolysis of lipid II containing model membranes by vancomycin-TACzyme conjugates and modulation of their antibacterial activity by Zn-ions. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3721-4	2.9	4
63	Maximising multivalency effects in protein-carbohydrate interactions. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 2013-25	3.9	291
62	Toward multivalent carbohydrate drugs. <i>Drug Discovery Today: Technologies</i> , <b>2009</b> , 6, e1-e40	7.1	7
61	ITAM-derived phosphopeptide-containing dendrimers as multivalent ligands for Syk tandem SH2 domain. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 4088-94	3.9	12
60	Membrane permeabilization by multivalent anti-microbial peptides. <i>Protein and Peptide Letters</i> , <b>2009</b> , 16, 736-42	1.9	29
59	The vancomycin-nisin(1-12) hybrid restores activity against vancomycin resistant Enterococci. <i>Biochemistry</i> , <b>2008</b> , 47, 12661-3	3.2	69
58	Synthesis of multivalent <i>Streptococcus suis</i> adhesion inhibitors by enzymatic cleavage of polygalacturonic acid and 'click' conjugation. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 1425-34	3.9	32
57	Multivalent Presentation Strategies in Novel Inhibitors of Bacterial (Toxin) Adhesion and Synthetic Vaccines. <i>Anti-Infective Agents in Medicinal Chemistry</i> , <b>2008</b> , 7, 193-200		6
56	Multivalent carbohydrate recognition on a glycodendrimer-functionalized flow-through chip. <i>ChemBioChem</i> , <b>2008</b> , 9, 1836-44	3.8	78
55	Enhanced membrane pore formation by multimeric/oligomeric antimicrobial peptides. <i>Biochemistry</i> , <b>2007</b> , 46, 13437-42	3.2	71

54	Synthesis and evaluation of TAC-based inhibitors of papain as mimics of cystatin B. <i>ChemBioChem</i> , <b>2007</b> , 8, 1950-6	3.8	8
53	Strong inhibition of cholera toxin by multivalent GM1 derivatives. <i>ChemBioChem</i> , <b>2007</b> , 8, 1500-3	3.8	99
52	Intervention with bacterial adhesion by multivalent carbohydrates. <i>Medicinal Research Reviews</i> , <b>2007</b> , 27, 796-816	14.4	144
51	Solid-phase carbohydrate synthesis via on-bead protecting group chemistry. <i>Tetrahedron</i> , <b>2007</b> , 63, 4290-4296	2.4	11
50	Application of the 1,3-Dipolar Cycloaddition Reaction in Chemical Biology: Approaches Toward Multivalent Carbohydrates and Peptides and Peptide-Based Polymers. <i>QSAR and Combinatorial Science</i> , <b>2007</b> , 26, 1181-1190		62
49	Detection of galectin-3 by novel peptidic photoprobes. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 376-8	2.9	19
48	Inhibition of P-fimbriated Escherichia coli adhesion by multivalent galabiose derivatives studied by a live-bacteria application of surface plasmon resonance. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2007</b> , 60, 495-501	5.1	63
47	Strong inhibition of cholera toxin binding by galactose dendrimers. <i>Chemical Communications</i> , <b>2007</b> , 5043-5	3.5	75
46	Tannic acid mimicking dendrimers as small intestine submucosa stabilizing nanomordants. <i>Biomaterials</i> , <b>2006</b> , 27, 745-51	15.6	12
45	Inhibition and detection of galectins. <i>ChemBioChem</i> , <b>2006</b> , 7, 721-8	3.8	71
44	Microwave-Assisted Synthesis of Multivalent Dendrimeric Peptides using Cycloaddition Reaction (Click) Chemistry <b>2006</b> , 152-153		
43	A new chemical probe for the detection of the cancer-linked galectin-3. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 4387-94	3.9	48
42	Interference with Protein-Protein Interactions Involved in Protease Inhibitor Complex Formation <b>2006</b> , 212-213		
41	Identification of laminin-binding motifs of Yersinia pestis plasminogen activator by phage display. <i>International Journal of Medical Microbiology</i> , <b>2005</b> , 295, 87-98	3.7	9
40	Efficient microwave-assisted synthesis of multivalent dendrimeric peptides using cycloaddition reaction (click) chemistry. <i>Chemical Communications</i> , <b>2005</b> , 4581-3	5.8	113
39	Identification of peptide ligands for malignancy- and growth-regulating galectins using random phage-display and designed combinatorial peptide libraries. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 563-73	3.4	32
38	Novel multivalent mannose compounds and their inhibition of the adhesion of type 1 fimbriated uropathogenic E. coli. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 361-372		58
37	High-Yielding Microwave-Assisted Synthesis of Triazole-Linked Glycodendrimers by Copper-Catalyzed [3+2] Cycloaddition. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 3182-3185	3.2	93

36	A new chemical probe for proteomics of carbohydrate-binding proteins. <i>ChemBioChem</i> , <b>2005</b> , 6, 291-5	3.8	60
35	A facile synthesis of the GalNAc $\beta$ 1 $\rightarrow$ 4Gal target sequence of respiratory pathogens. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 2436-42	2.9	10
34	Interference with Lectin Binding and Bacterial Adhesion by Multivalent Carbohydrates and Peptidic Carbohydrate Mimics. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2004</b> , 16, 243-254	0.1	37
33	Synthesis of a novel 14-membered highly constrained cyclic peptidic scaffold. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 4153-4156	2	2
32	Microwave-assisted, tin-mediated, regioselective 3-O-alkylation of galactosides. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 6685-6687	2	24
31	Interference of the galactose-dependent binding of lectins by novel pentapeptide ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 1437-40	2.9	30
30	Synthesis and cholera toxin binding properties of multivalent GM1 mimics. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2113-24	3.9	75
29	Inhibition of <i>Streptococcus suis</i> adhesion by dendritic galabiose compounds at low nanomolar concentration. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 6499-508	8.3	84
28	Adhesion inhibition of F1C-fimbriated <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> PAK and PAO by multivalent carbohydrate ligands. <i>ChemBioChem</i> , <b>2003</b> , 4, 1317-25	3.8	53
27	Homodimeric galectin-7 (p53-induced gene 1) is a negative growth regulator for human neuroblastoma cells. <i>Oncogene</i> , <b>2003</b> , 22, 6277-88	9.2	123
26	Rigidified multivalent lactose molecules and their interactions with mammalian galectins: a route to selective inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 803-10	3.9	103
25	Synthesis and Binding Studies of Aminothiazoline-Carbohydrate Conjugates <b>2003</b> , 94		
24	Synthesis and biological activity of polygalloyl-dendrimers as stable tannic acid mimics. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2002</b> , 12, 1567-70	2.9	20
23	Catalytic conversions of diazosugars. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 9601-9603	2	16
22	Synthesis and cholera toxin binding properties of a lactose-2-aminothiazoline conjugate. <i>Organic Letters</i> , <b>2002</b> , 4, 1807-8	6.2	17
21	The enantioselectivity of haloalkane dehalogenases. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 469-471	2	26
20	Wedgelike glycodendrimers as inhibitors of binding of mammalian galectins to glycoproteins, lactose maxiclusters, and cell surface glycoconjugates. <i>ChemBioChem</i> , <b>2001</b> , 2, 822-30	3.8	185
19	Synthesis and binding studies of carboxylate binding pocket analogs of vancomycin. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 7541-7545	2	11



18	Design and synthesis of reagents for phage display screening of dehalogenases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1999</b> , 9, 161-6	2.9	9
17	Mutation of Tyrosine Residues Involved in the Alkylation Half Reaction of Epoxide Hydrolase from <i>Agrobacterium radiobacter</i> AD1 Results in Improved Enantioselectivity. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 7417-7418	16.4	58
16	Enantioselective recognition with C3-symmetric cage-like receptors in solution and on a stationary phase. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1997</b> , 1891-1900		29
15	Enantioselective complexation of excitatory amino acid derivatives by chiral, cage-like C3-symmetrical receptors. <i>Chemical Communications</i> , <b>1996</b> , 2255	5.8	20
14	Enantioselective Intramolecular Cyclopropanations of Allylic and Homoallylic Diazoacetates and Diazoacetamides Using Chiral Dirhodium(II) Carboxamide Catalysts. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 5763-5775	16.4	197
13	Convergent Functional Groups. 16. Hydrolysis of Phosphate Triesters by a Novel Cleft. Influence of Binding on Overall Rate Acceleration. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 2210-2213	16.4	21
12	Passive Template Effects and Active Acid-Base Involvement in Catalysis of Organic Reactions. <i>Chemistry - A European Journal</i> , <b>1995</b> , 1, 183-192	4.8	21
11	Reciprocal template effects in bisubstrate systems: A replication cycle. <i>Tetrahedron</i> , <b>1995</b> , 51, 485-498	2.4	28
10	Reciprocal Template Effects in a Replication Cycle. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 1579-1581		33
9	Reziproke Templateeffekte in einem Replikationscyclus. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 1667-1669	3.6	5
8	Intracomplex Catalysis of Acylation Reactions. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 11592-11593	16.4	24
7	Role of Geometrical Factors in Template Effects. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 10296-10297	16.4	24
6	Convergent functional groups XIV. Synthesis and binding studies of new molecular clefts for recognition and catalysis. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>1993</b> , 112, 330-334		16
5	High enantioselectivity in the intramolecular cyclopropanation of allyl diazoacetates using a novel rhodium(II) catalyst. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 1423-1424	16.4	155
4	Synthesis of nitrogen-containing polycycles via rhodium(II)-induced cyclization-cycloaddition and insertion reactions of N-(diazoacetoacetyl)amides. Conformational control of reaction selectivity. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 820-829	4.2	117
3	Chiral rhodium(II) carboxamides. A new class of catalysts for enantioselective cyclopropanation reactions. <i>Tetrahedron Letters</i> , <b>1990</b> , 31, 6613-6616	2	100
2	Rhodium(II) perfluorobutyrate catalyzed silane alcoholysis. A highly selective route to silyl ethers. <i>Journal of Organic Chemistry</i> , <b>1990</b> , 55, 6082-6086	4.2	68
1	Benefits of Collisional Cross Section Assisted Precursor Selection (caps-PASEF) for Cross-linking Mass Spectrometry		1

