

Arthur Van Aerschot

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.

249
papers

5,315
citations

38
h-index

59
g-index

270
ext. papers

5,720
ext. citations

5.5
avg, IF

4.98
L-index

#	Paper	IF	Citations
249	Towards Novel 3-Aminopyrazinamide-Based Prolyl-tRNA Synthetase Inhibitors: In Silico Modelling, Thermal Shift Assay and Structural Studies. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
248	Synthesis and structure-activity studies of novel anhydrohexitol-based Leucyl-tRNA synthetase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 211, 113021	6.8	2
247	Aminoacyl-tRNA Synthetases as Valuable Targets for Antimicrobial Drug Discovery. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	9
246	Phenyltriazole-functionalized sulfamate inhibitors targeting tyrosyl- or isoleucyl-tRNA synthetase. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115580	3.4	3
245	Structural Insights into the Binding of Natural Pyrimidine-Based Inhibitors of Class II Aminoacyl-tRNA Synthetases. <i>ACS Chemical Biology</i> , 2020 , 15, 407-415	4.9	6
244	Synthesis and structural insights into the binding mode of the albomycin 1 core and its analogues in complex with their target aminoacyl-tRNA synthetase. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115645	3.4	1
243	Design of reverse transcriptase-specific nucleosides to visualize early steps of HIV-1 replication by click labeling. <i>Journal of Biological Chemistry</i> , 2019 , 294, 11863-11875	5.4	4
242	Acylated sulfonamide adenosines as potent inhibitors of the adenylate-forming enzyme superfamily. <i>European Journal of Medicinal Chemistry</i> , 2019 , 174, 252-264	6.8	6
241	Comparative analysis of pyrimidine substituted aminoacyl-sulfamoyl nucleosides as potential inhibitors targeting class I aminoacyl-tRNA synthetases. <i>European Journal of Medicinal Chemistry</i> , 2019 , 173, 154-166	6.8	6
240	Propargylated Purine Deoxynucleosides: New Tools for Fluorescence Imaging Strategies. <i>Molecules</i> , 2019 , 24,	4.8	6
239	Synthesis and Biological Evaluation of Lipophilic Nucleoside Analogues as Inhibitors of Aminoacyl-tRNA Synthetases. <i>Antibiotics</i> , 2019 , 8,	4.9	1
238	Family-wide analysis of aminoacyl-sulfamoyl-3-deazaadenosine analogues as inhibitors of aminoacyl-tRNA synthetases. <i>European Journal of Medicinal Chemistry</i> , 2018 , 148, 384-396	6.8	13
237	Direct on-chip DNA synthesis using electrochemically modified gold electrodes as solid support. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FM01	1.4	2
236	Different positions of amide side chains on the benzimidazo[1,2-a]quinoline skeleton strongly influence biological activity. <i>New Journal of Chemistry</i> , 2018 , 42, 7096-7104	3.6	15
235	Spectroscopic Investigation of the Formation and Disruption of Hydrogen Bonds in Pharmaceutical Semicrystalline Dispersions. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1726-1741	5.6	17
234	Aminopurine and aminoquinazoline scaffolds for development of potential dengue virus inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 101-109	6.8	20
233	Evaluation of the Acute and Sub chronic Toxicities of the Methanolic Stem Bark Extract of <i>Spathodea campanulata</i> (P. Beauv.) Bignoniaceae. <i>British Journal of Pharmacology and Toxicology</i> , 2016 , 7, 9-19	0	1

232	A Trojan-Horse Peptide-Carboxymethyl-Cytidine Antibiotic from <i>Bacillus amyloliquefaciens</i> . <i>Journal of the American Chemical Society</i> , 2016 , 138, 15690-15698	16.4	18
231	Synthetic strategy and antiviral evaluation of diamide containing heterocycles targeting dengue and yellow fever virus. <i>European Journal of Medicinal Chemistry</i> , 2016 , 121, 158-168	6.8	25
230	1 β S5SAnhydro-L-ribo-hexitol Adenine Nucleic Acids (β L-HNA-A): Synthesis and Chiral Selection Properties in the Mirror Image World. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5014-22	4.2	8
229	Oligonucleotides containing a ribo-configured cyclohexanyl nucleoside: probing the role of sugar conformation in base pairing selectivity. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10041-9	3.9	3
228	Hybridisation potential of 1 β S3SDi-O-methylaltropyranoside nucleic acids. <i>Molecules</i> , 2015 , 20, 4020-41	4.8	1
227	N-acylated sulfonamide congeners of fosmidomycin lack any inhibitory activity against DXR. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 1577-9	2.9	1
226	5S(N-aminoacyl)-sulfonamido-5Sdeoxyadenosine: attempts for a stable alternative for aminoacyl-sulfamoyl adenosines as aaRS inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015 , 93, 227-36	6.8	12
225	Renaissance in Antibiotic Discovery: Some Novel Approaches for Finding Drugs to Treat Bad Bugs. <i>Current Medicinal Chemistry</i> , 2015 , 22, 2140-58	4.3	8
224	Base substituted 5SO-(N-isoleucyl)sulfamoyl nucleoside analogues as potential antibacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 2875-86	3.4	14
223	Exploring the substrate promiscuity of an antibiotic inactivating enzyme. <i>MedChemComm</i> , 2014 , 5, 1567-1570	3.5	3
222	The RimL transacetylase provides resistance to translation inhibitor microcin C. <i>Journal of Bacteriology</i> , 2014 , 196, 3377-85	3.5	17
221	Synthesis and evaluation of imidazole-4,5- and pyrazine-2,3-dicarboxamides targeting dengue and yellow fever virus. <i>European Journal of Medicinal Chemistry</i> , 2014 , 87, 529-39	6.8	34
220	In search of Flavivirus inhibitors part 2: tritylated, diphenylmethylated and other alkylated nucleoside analogues. <i>European Journal of Medicinal Chemistry</i> , 2014 , 76, 98-109	6.8	23
219	In search of flavivirus inhibitors: evaluation of different tritylated nucleoside analogues. <i>European Journal of Medicinal Chemistry</i> , 2013 , 65, 249-55	6.8	26
218	3 β S5SDi-O-trityluridine inhibits in vitro flavivirus replication. <i>Antiviral Research</i> , 2013 , 98, 242-7	10.8	22
217	Enantiomeric selection properties of β homoDNA: enhanced pairing for heterochiral complexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6662-5	16.4	10
216	A straightforward diphenylmethyl protection method and deprotection of some pyrimidine nucleosides. <i>Molecules</i> , 2013 , 18, 8524-34	4.8	9
215	N-alkylated aminoacyl sulfamoyl adenosines as potential inhibitors of aminoacylation reactions and microcin C analogues containing D-amino acids. <i>PLoS ONE</i> , 2013 , 8, e79234	3.7	8

214	Hybridization potential of oligonucleotides comprising 3SO-methylated altritol nucleosides. <i>Molecular Diversity</i> , 2012 , 16, 825-37	3.1	3
213	Structural and functional characterization of microcin C resistance peptidase MccF from <i>Bacillus anthracis</i> . <i>Journal of Molecular Biology</i> , 2012 , 420, 366-83	6.5	19
212	Aminoacyl-tRNA synthetase inhibitors as antimicrobial agents: a patent review from 2006 till present. <i>Expert Opinion on Therapeutic Patents</i> , 2012 , 22, 1453-65	6.8	34
211	Using chemical approaches to understand RNA structure and function in biology. <i>Journal of Nucleic Acids</i> , 2012 , 2012, 972575	2.3	
210	Microcin C and albomycin analogues with aryl-tetrazole substituents as nucleobase isosters are selective inhibitors of bacterial aminoacyl tRNA synthetases but lack efficient uptake. <i>ChemBioChem</i> , 2012 , 13, 1959-69	3.8	17
209	Microcin C: biosynthesis, mode of action, and potential as a lead in antibiotics development. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011 , 30, 465-74	1.4	6
208	Aminoacyl-tRNA synthetase inhibitors as potential antibiotics. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 5227-36	6.8	103
207	Substituted 2-aminothiazoles are exceptional inhibitors of neuronal degeneration in tau-driven models of Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 43, 386-92	5.1	19
206	Extended targeting potential and improved synthesis of Microcin C analogs as antibacterials. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 5462-7	3.4	19
205	Single-molecule FRET reveals a cooperative effect of two methyl group modifications in the folding of human mitochondrial tRNA(Lys). <i>Chemistry and Biology</i> , 2011 , 18, 928-36		22
204	Characterization of peptide chain length and constituency requirements for YejABEF-mediated uptake of microcin C analogues. <i>Journal of Bacteriology</i> , 2011 , 193, 3618-23	3.5	19
203	The mechanism of microcin C resistance provided by the MccF peptidase. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37944-52	5.4	30
202	MccE provides resistance to protein synthesis inhibitor microcin C by acetylating the processed form of the antibiotic. <i>Journal of Biological Chemistry</i> , 2010 , 285, 12662-9	5.4	31
201	Toward L-homo-DNA: stereoselective de novo synthesis of β -L-erythro-hexopyranosyl nucleosides. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6402-10	4.2	22
200	Nucleoside Analogues with a 1,4-Dioxane, 1,4-Oxathiane or 1,4-Oxazine Ring Structure as the Carbohydrate Fragment. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 99, 769-777		9
199	Influence of the Incorporation of 1-(2,3-Dideoxy- β -D-Erythro-Hexopyranosyl)-Thymine on the Enzymatic Stability and Base-Pairing Properties of Oligodeoxynucleotides. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 101, 119-130		25
198	Conjugation of Oligonucleotides to 3'-Polar Moieties. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 104, 717-720		15
197	Crystallization and preliminary X-ray study of the D-altritol oligonucleotide GTGTACAC. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 460-2		1

196	Maturation of the translation inhibitor microcin C. <i>Journal of Bacteriology</i> , 2009 , 191, 2380-7	3.5	34
195	Synthetic microcin C analogs targeting different aminoacyl-tRNA synthetases. <i>Journal of Bacteriology</i> , 2009 , 191, 6273-80	3.5	48
194	Analysis of Dideoxyadenosine Triphosphate by Capillary Electrophoresis with Fluorescence Detection. Derivatization Through the Adenine Group. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 2642-2653	1.3	
193	Evaluation of the type I signal peptidase as antibacterial target for biofilm-associated infections of <i>Staphylococcus epidermidis</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 3719-3729	2.9	13
192	Biological effects of hexitol and alritrol-modified siRNAs targeting B-Raf. <i>European Journal of Pharmacology</i> , 2009 , 606, 38-44	5.3	35
191	Synthesis and base pairing properties of 1 β -5'-anhydro-L-hexitol nucleic acids (L-HNA). <i>Chemistry - A European Journal</i> , 2009 , 15, 10121-31	4.8	27
190	Detection of RNA hybridization by pyrene-labeled probes. <i>ChemBioChem</i> , 2009 , 10, 1175-85	3.8	30
189	Patient experiences of over-the-counter medicine purchases in Flemish community pharmacies. <i>International Journal of Clinical Pharmacy</i> , 2009 , 31, 450-457		25
188	Antibacterial 5SO-(N-dipeptidyl)-sulfamoyladenines. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 260-9	3.4	20
187	3 β -(1,2,3-Triazol-1-yl)-2 β ,3 β -dideoxythymidine and 3 β -(1,2,3-triazol-1-yl)-2 β ,3 β -dideoxyuridine. <i>Journal of Heterocyclic Chemistry</i> , 2009 , 26, 1635-1642	1.9	39
186	Antimicrobial resistance in bacteria. <i>Open Medicine (Poland)</i> , 2009 , 4, 141-155	2.2	29
185	An easy and fast method for the evaluation of <i>Staphylococcus epidermidis</i> type I signal peptidase inhibitors. <i>Journal of Microbiological Methods</i> , 2009 , 78, 231-7	2.8	10
184	A large-scale chemical modification screen identifies design rules to generate siRNAs with high activity, high stability and low toxicity. <i>Nucleic Acids Research</i> , 2009 , 37, 2867-81	20.1	273
183	Aminoacyl-tRNA synthetase inhibitors as potent and synergistic immunosuppressants. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 3020-9	8.3	26
182	HNA and ANA high-affinity arrays for detections of DNA and RNA single-base mismatches. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1728-32	11.8	20
181	De novo approach to l-anhydrohexitol nucleosides as building blocks for the synthesis of l-hexitol nucleic acids (l-HNA). <i>Tetrahedron Letters</i> , 2008 , 49, 6068-6070	2	17
180	Dendritic nucleotides: interaction with an aliphatic acid monolayer. <i>Chemistry and Biodiversity</i> , 2008 , 5, 1675-82	2.5	0
179	Impact of spacers on the hybridization efficiency of mixed self-assembled DNA/alkanethiol films. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 72-7	11.8	61

178	Phosphoramidite building blocks for efficient incorporation of 2'-O-aminoethoxy(and propoxy)methyl nucleosides into oligonucleotides. <i>Tetrahedron</i> , 2008 , 64, 6238-6251	2.4	16
177	Structural characterization and biological evaluation of small interfering RNAs containing cyclohexenyl nucleosides. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9340-8	16.4	39
176	A methyl group controls conformational equilibrium in human mitochondrial tRNA(Lys). <i>Journal of the American Chemical Society</i> , 2007 , 129, 13382-3	16.4	68
175	Chemical etiology of nucleic acids: aminopropyl nucleic acids (APNAs). <i>Chemistry and Biodiversity</i> , 2007 , 4, 740-61	2.5	4
174	Conformational and chiral selection of oligonucleotides. <i>Chemistry and Biodiversity</i> , 2007 , 4, 803-17	2.5	17
173	Fmoc-Protected Altritol Phosphoramidite Building Blocks and Their Application in the Synthesis of Altritol Nucleic Acids (ANAs). <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 1446-1456	3.2	5
172	Analysis of dideoxyadenosine triphosphate by CE with fluorescence detection. I. Derivatization through the phosphate group. <i>Electrophoresis</i> , 2007 , 28, 3948-56	3.6	7
171	Syntheses of 2'-C-amidoalkyl and 2'-C-cyanoalkyl containing oligodeoxyribonucleotides and assessment of their hybridisation affinity for complementary DNA and RNA. <i>Tetrahedron</i> , 2007 , 63, 577-585	2.4	2
170	Synthesis and evaluation of hexitol nucleoside congeners as ambiguous nucleosides. <i>Tetrahedron Letters</i> , 2007 , 48, 2143-2145	2	2
169	Complexation of lipofectamine and cholesterol-modified DNA sequences studied by single-molecule fluorescence techniques. <i>Biomacromolecules</i> , 2007 , 8, 3382-92	6.9	8
168	Some novel aminopropyl nucleoside phosphonates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 563-6	1.4	3
167	Inhibition of MDR1 expression with altritol-modified siRNAs. <i>Nucleic Acids Research</i> , 2007 , 35, 1064-74	20.1	67
166	2SO-hydroxyalkoxymethylribonucleosides and their incorporation into oligoribonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1509-12	1.4	4
165	A simple nucleic acid alternative: aminopropyl nucleic acids (APNAs). <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1665-8	1.4	1
164	Oligonucleotides as antivirals: dream or realistic perspective?. <i>Antiviral Research</i> , 2006 , 71, 307-16	10.8	26
163	Synthetic dsDNA-Binding Peptides Using Natural Compounds as Model. <i>Helvetica Chimica Acta</i> , 2006 , 89, 1194-1219	2	6
162	Synthesis of Aminopropyl Phosphonate Nucleosides with Purine and Pyrimidine Bases. <i>Collection of Czechoslovak Chemical Communications</i> , 2006 , 71, 15-34		17
161	Synthesis of Oligoribonucleotides Containing Pyrimidine 2SO-[(Hydroxyalkoxy)methyl]ribonucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2006 , 71, 804-819		6

160	Base-base interactions in the minor groove of double-stranded DNA. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5423-31	4.2	39
159	Characterization and sequence verification of thiolated deoxyoligonucleotides used for microarray construction. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 1397-1400	3.5	5
158	Delivery of antisense oligonucleotides using cholesterol-modified sense dendrimers and cationic lipids. <i>Bioconjugate Chemistry</i> , 2005 , 16, 827-36	6.3	21
157	Enzymatic resolution and base pairing properties of D- and L-cyclohexenyl nucleic acids (CeNA). <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 993-8	1.4	3
156	Hexitol nucleic acid-containing aptamers are efficient ligands of HIV-1 TAR RNA. <i>Biochemistry</i> , 2005 , 44, 2926-33	3.2	35
155	Synthesis and conformational analysis of a ribo-type cyclohexenyl nucleoside. <i>Journal of Organic Chemistry</i> , 2005 , 70, 4591-7	4.2	17
154	Synthesis, in vitro cellular uptake and photo-induced antiproliferative effects of lipophilic hypericin acid derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 6347-53	3.4	11
153	Synthesis and Properties of Oligonucleotides Containing 2,4-Dihydroxycyclohexyl Nucleosides. <i>Helvetica Chimica Acta</i> , 2005 , 88, 3210-3224	2	3
152	Synthesis of RNA containing O-beta-D-ribofuranosyl-(1 β -adenosine-5 β -phosphate and 1-methyladenosine, minor components of tRNA. <i>Chemistry and Biodiversity</i> , 2005 , 2, 1153-63	2.5	11
151	Synthesis and properties of aminopropyl nucleic acids. <i>ChemBioChem</i> , 2005 , 6, 2298-304	3.8	23
150	Inhibition of MDR1 gene expression by chimeric HNA antisense oligonucleotides. <i>Nucleic Acids Research</i> , 2004 , 32, 4411-9	20.1	39
149	Interaction of HIV-1 reverse transcriptase with modified oligonucleotide primers containing 2SO-beta-D-ribofuranosyladenosine. <i>Biochemistry (Moscow)</i> , 2004 , 69, 130-6	2.9	0
148	Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis. <i>Tetrahedron</i> , 2004 , 60, 2111-2123	2.4	10
147	Synthesis and stability of oligonucleotides containing acyclic achiral nucleoside analogues with two base moieties. <i>Organic Letters</i> , 2004 , 6, 51-4	6.2	27
146	Methylated hexitol nucleic acids, towards congeners with improved antisense potential. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1227-9	1.4	0
145	Synthesis, solution conformation and anti-HIV activity of novel 3 β -substituted-2 β -dideoxy-5-hydroxymethyluridines and their 4,5-substituted analogues. <i>Antiviral Chemistry and Chemotherapy</i> , 2003 , 14, 127-38	3.5	4
144	Synthesis and biological evaluation of a series of new cyclohexenyl nucleosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 845-7	1.4	2
143	Cleavage of DNA without loss of genetic information by incorporation of a disaccharide nucleoside. <i>Nucleic Acids Research</i> , 2003 , 31, 6758-69	20.1	4

142	Synthesis of 1,5-anhydrohexitol building blocks for oligonucleotide synthesis. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2003 , Chapter 1, Unit 1.9	0.5	6
141	N-aminoimidazole derivatives inhibiting retroviral replication via a yet unidentified mode of action. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 1546-53	8.3	34
140	New dsDNA-Binding Hybrid Molecules Combining an Unnatural Peptide and an Intercalating Moiety. <i>Helvetica Chimica Acta</i> , 2003 , 86, 533-547	2	5
139	Comparison of library screening techniques used in the development of dsDNA ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 47-50	2.9	8
138	Replication of hexitol oligonucleotides as a prelude to the propagation of a third type of nucleic acid in vivo. <i>Comptes Rendus - Biologies</i> , 2003 , 326, 1175-84	1.4	34
137	Synthesis and antiviral evaluation of ribavirin congeners containing a hexitol moiety. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 849-51	1.4	1
136	Oligonucleotides containing disaccharide nucleosides: synthesis, physicochemical, and substrate properties. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1117-8	1.4	0
135	Ribavirin derivatives with a hexitol moiety: synthesis and antiviral evaluation. <i>Antiviral Chemistry and Chemotherapy</i> , 2003 , 14, 23-30	3.5	3
134	Synthesis and antiviral activity of a series of new cyclohexenyl nucleosides. <i>Antiviral Chemistry and Chemotherapy</i> , 2003 , 14, 31-7	3.5	8
133	Base pairing properties of D- and L-cyclohexene nucleic acids (CeNA). <i>Oligonucleotides</i> , 2003 , 13, 479-89		9
132	Evaluation of capillary HPLC/mass spectrometry as an alternative analysis method for gel electrophoresis of oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1513-6	1.4	1
131	Chemical incorporation of 1-methyladenosine, minor tRNA component, into oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1113-5	1.4	0
130	Recognition of HNA and 1,5-anhydrohexitol nucleotides by DNA metabolizing enzymes. <i>BBA - Proteins and Proteomics</i> , 2002 , 1597, 115-22		10
129	1,2,4-Triazole Derivatives Inhibiting the Human Immunodeficiency Virus Type 1 (HIV-1) in vitro. <i>Helvetica Chimica Acta</i> , 2002 , 85, 1883	2	16
128	An additional 2'S-ribofuranose residue at a specific position of the DNA primer prevents its elongation by HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 681-4	2.9	9
127	Characterization and sequence confirmation of unnatural amino acid containing peptide libraries using electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 982-7	2.2	2
126	New dsDNA binding unnatural oligopeptides with pyrimidine selectivity. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 3401-13	3.4	10
125	Chemical incorporation of 1-methyladenosine into oligonucleotides. <i>Nucleic Acids Research</i> , 2002 , 30, 1124-31	20.1	28

124	Affinity modification of EcoRII DNA methyltransferase by the dialdehyde-substituted DNA duplexes: mapping the enzyme region that interacts with DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002 , 21, 753-64	1.4	6
123	Crystal structure of double helical hexitol nucleic acids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 928-33	16.4	67
122	Epimerization During Coupling to the Unnatural Amino Acid in Solid Phase Peptide Synthesis. <i>Collection of Czechoslovak Chemical Communications</i> , 2001 , 66, 923-932		1
121	Oligonucleotides Containing Disaccharide Nucleosides. <i>Helvetica Chimica Acta</i> , 2001 , 84, 2387-2397	2	19
120	Alpha-homo-DNA and RNA form a parallel oriented non-A, non-B-type double helical structure. <i>Chemistry - A European Journal</i> , 2001 , 7, 5183-94	4.8	16
119	Improved hybridisation potential of oligonucleotides comprising O-methylated anhydrohexitol nucleoside congeners. <i>Nucleic Acids Research</i> , 2001 , 29, 4187-94	20.1	13
118	Cyclohexene nucleic acids (CeNA) form stable duplexes with RNA and induce RNase H activity. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 785-8	1.4	18
117	Increased RNA affinity of HNA analogues by introducing alkoxy substituents at the C-1 or C-3 position. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 781-4	1.4	2
116	Hybridization between "six-membered" nucleic acids: RNA as a universal information system. <i>Organic Letters</i> , 2001 , 3, 4129-32	6.2	19
115	Nonenzymatic template-directed reactions on altritol oligomers, preorganized analogues of oligonucleotides. <i>Chemistry - A European Journal</i> , 2000 , 6, 151-5	4.8	38
114	Synthesis of the Anticodon Hairpin tRNA ^{fMet} Containing N-[[9-(ED-Ribofuranosyl)-9H-purin-6-yl]carbamoyl]-L-threonine (=N6-[[[(1S,2R)-1-Carboxy-2-hydroxypropyl]amino]carbonyl]adenosine, t6A). <i>Helvetica Chimica Acta</i> , 2000 , 83, 152-161	2	21
113	Synthesis of Alanine and Proline Amino Acids with Amino or Guanidinium Substitution on the Side Chain. <i>Tetrahedron</i> , 2000 , 56, 2513-2522	2.4	13
112	Synthesis and antiviral evaluation of some beta-L-2 β -3Sdideoxy-5-chloropyrimidine nucleosides and pronucleotides. <i>Antiviral Research</i> , 2000 , 45, 169-83	10.8	11
111	Biological activity of hexitol nucleic acids targeted at Ha-ras and intracellular adhesion molecule-1 mRNA. <i>Biochemical Pharmacology</i> , 2000 , 59, 655-63	6	20
110	Investigation of the kinetics of degradation of hexopyranosylated cytosine nucleosides using liquid chromatography. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000 , 19, 189-203	1.4	2
109	Enzymatic incorporation in DNA of 1,5-anhydrohexitol nucleotides. <i>Biochemistry</i> , 2000 , 39, 12757-65	3.2	62
108	Cyclohexene Nucleic Acids (CeNA): Serum Stable Oligonucleotides that Activate RNase H and Increase Duplex Stability with Complementary RNA. <i>Journal of the American Chemical Society</i> , 2000 , 122, 8595-8602	16.4	117
107	Glycosylation of 1-Aminoimidazole-2(3H)-thiones. <i>Collection of Czechoslovak Chemical Communications</i> , 2000 , 65, 1145-1155		1

106	Nonenzymatic Template-Directed Reactions on Altritol Oligomers, Preorganized Analogues of Oligonucleotides 2000 , 6, 151		2
105	Base pairing of anhydrohexitol nucleosides with 2,6-diaminopurine, 5-methylcytosine and uracil as base moiety. <i>Nucleic Acids Research</i> , 1999 , 27, 1450-6	20.1	24
104	Synthesis of protected D-altritol nucleosides as building blocks for oligonucleotide synthesis. <i>Tetrahedron</i> , 1999 , 55, 6527-6546	2.4	30
103	Oligonucleotides with 1,5-anhydrohexitol nucleoside building blocks: crystallization and preliminary X-ray studies of h(GGTACAC). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999 , 55, 279-80		
102	Antimalarial antisense activity of hexitol nucleic acids. <i>Parasitology Research</i> , 1999 , 85, 864-6	2.4	6
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