Arthur Van Aerschot

List of Publications by Year
in descending order

263 papers	6,051 citations	81900 39 h-index	114465 63 g-index
270 all docs	270 docs citations	270 times ranked	4178 citing authors

#	Article	IF	Citations
1	Synthesis and structure-activity studies of novel anhydrohexitol-based Leucyl-tRNA synthetase inhibitors. European Journal of Medicinal Chemistry, 2021, 211, 113021.	5.5	14
2	Aminoacyl-tRNA Synthetases as Valuable Targets for Antimicrobial Drug Discovery. International Journal of Molecular Sciences, 2021, 22, 1750.	4.1	36
3	Towards Novel 3-Aminopyrazinamide-Based Prolyl-tRNA Synthetase Inhibitors: In Silico Modelling, Thermal Shift Assay and Structural Studies. International Journal of Molecular Sciences, 2021, 22, 7793.	4.1	5
4	Structural Insights into the Binding of Natural Pyrimidine-Based Inhibitors of Class II Aminoacyl-tRNA Synthetases. ACS Chemical Biology, 2020, 15, 407-415.	3.4	12
5	Synthesis and structural insights into the binding mode of the albomycin Î´1 core and its analogues in complex with their target aminoacyl-tRNA synthetase. Bioorganic and Medicinal Chemistry, 2020, 28, 115645.	3.0	3
6	Synthesis and Biological Evaluation of 1,3-Dideazapurine-Like 7-Amino-5-Hydroxymethyl-Benzimidazole Ribonucleoside Analogues as Aminoacyl-tRNA Synthetase Inhibitors. Molecules, 2020, 25, 4751.	3.8	2
7	Phenyltriazole-functionalized sulfamate inhibitors targeting tyrosyl- or isoleucyl-tRNA synthetase. Bioorganic and Medicinal Chemistry, 2020, 28, 115580.	3.0	6
8	Synthesis and Biological Evaluation of Lipophilic Nucleoside Analogues as Inhibitors of Aminoacyl-tRNA Synthetases. Antibiotics, 2019, 8, 180.	3.7	2
9	Design of reverse transcriptaseâ€“specific nucleosides to visualize early steps of HIV-1 replication by click labeling. Journal of Biological Chemistry, 2019, 294, 11863-11875.	3.4	5
10	Acylated sulfonamide adenosines as potent inhibitors of the adenylate-forming enzyme superfamily. European Journal of Medicinal Chemistry, 2019, 174, 252-264.	5.5	10
11	Comparative analysis of pyrimidine substituted aminoacyl-sulfamoyl nucleosides as potential inhibitors targeting class I aminoacyl-tRNA synthetases. European Journal of Medicinal Chemistry, 2019, 173, 154-166.	5.5	9
12	Propargylated Purine Deoxynucleosides: New Tools for Fluorescence Imaging Strategies. Molecules, 2019, 24, 468.	3.8	6
13	Family-wide analysis of aminoacyl-sulfamoyl-3-deazaadenosine analogues as inhibitors of aminoacyl-tRNA synthetases. European Journal of Medicinal Chemistry, 2018, 148, 384-396.	5.5	19
14	Direct on-chip DNA synthesis using electrochemically modified gold electrodes as solid support. Japanese Journal of Applied Physics, 2018, 57, 04FM01.	1.5	3
15	Different positions of amide side chains on the benzimidazo[1,2-a]quinoline skeleton strongly influence biological activity. New Journal of Chemistry, 2018, 42, 7096-7104.	2.8	20
16	Spectroscopic Investigation of the Formation and Disruption of Hydrogen Bonds in Pharmaceutical Semicrystalline Dispersions. Molecular Pharmaceutics, 2017, 14, 1726-1741.	4.6	19
17	Aminopurine and aminoquinazoline scaffolds for development of potential dengue virus inhibitors. European Journal of Medicinal Chemistry, 2017, 126, 101-109.	5.5	27
18	Evaluation of the Acute and Sub chronic Toxicities of the Methanolic Stem Bark Extract of Spathodea campanulata (P. Beauv.) Bignoniaceae. British Journal of Pharmacology and Toxicology, 2016, 7, 9-19.	0.3	3

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19	Synthetic strategy and antiviral evaluation of diamide containing heterocycles targeting dengue and yellow fever virus. European Journal of Medicinal Chemistry, 2016, 121, 158-168.	5.5	34
20	A Trojan-Horse Peptide-Carboxymethyl-Cytidine Antibiotic from Bacillus amyloliquefaciens. Journal of the American Chemical Society, 2016, 138, 15690-15698.	13.7	27
21	Phytochemical and Antidiabetic Evaluation of the Methanolic Stem Bark Extract of Spathodea campanulata (P. Beauv.) Bignoniaceae. Pharmacognosy Journal, 2016, 8, 243-249.	0.8	3
22	Hybridisation Potential of 1',3'-Di-O-methylaltropyranoside Nucleic Acids. Molecules, 2015, 20, 4020-4041.	3.8	2
23	N-Acylated sulfonamide congeners of fosmidomycin lack any inhibitory activity against DXR. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1577-1579.	2.2	2
24	5â€²-(N-aminoacyl)-sulfonamido-5â€²-deoxyadenosine: Attempts for a stable alternative for aminoacyl-sulfamoyl adenosines as aaRS inhibitors. European Journal of Medicinal Chemistry, 2015, 93, 227-236.	5.5	14
25	1â€²,5â€²-Anhydro-<scp>l</scp>-ribo-hexitol Adenine Nucleic Acids (Î±-<scp>l</scp>-HNA-A): Synthesis and Chiral Selection Properties in the Mirror Image World. Journal of Organic Chemistry, 2015, 80, 5014-5022.	3.2	13
26	Oligonucleotides containing a ribo-configured cyclohexanyl nucleoside: probing the role of sugar conformation in base pairing selectivity. Organic and Biomolecular Chemistry, 2015, 13, 10041-10049.	2.8	4
27	Renaissance in Antibiotic Discovery: Some Novel Approaches for Finding Drugs to Treat Bad Bugs. Current Medicinal Chemistry, 2015, 22, 2140-2158.	2.4	10
28	Base substituted 5â€²-O-(N-isoleucyl)sulfamoyl nucleoside analogues as potential antibacterial agents. Bioorganic and Medicinal Chemistry, 2014, 22, 2875-2886.	3.0	18
29	Exploring the substrate promiscuity of an antibiotic inactivating enzyme. MedChemComm, 2014, 5, 1567-1570.	3.4	3
30	The RimL Transacetylase Provides Resistance to Translation Inhibitor Microcin C. Journal of Bacteriology, 2014, 196, 3377-3385.	2.2	22
31	Synthesis and evaluation of imidazole-4,5- and pyrazine-2,3-dicarboxamides targeting dengue and yellow fever virus. European Journal of Medicinal Chemistry, 2014, 87, 529-539.	5.5	57
32	In search of Flavivirus inhibitors part 2: Tritylated, diphenylmethylated and other alkylated nucleoside analogues. European Journal of Medicinal Chemistry, 2014, 76, 98-109.	5.5	25
33	In search of flavivirus inhibitors: Evaluation of different tritylated nucleoside analogues. European Journal of Medicinal Chemistry, 2013, 65, 249-255.	5.5	28
34	3â€²,5â€²Di-O-trityluridine inhibits in vitro flavivirus replication. Antiviral Research, 2013, 98, 242-247.	4.1	28
35	Enantiomeric Selection Properties of Î²â€homoDNA: Enhanced Pairing for Heterochiral Complexes. Angewandte Chemie - International Edition, 2013, 52, 6662-6665.	13.8	14
36	A Straightforward Diphenylmethyl Protection Method and Deprotection of Some Pyrimidine Nucleosides. Molecules, 2013, 18, 8524-8534.	3.8	10

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37	N-Alkylated Aminoacyl sulfamoyladenosines as Potential Inhibitors of Aminoacylation Reactions and Microcin C Analogues Containing D-Amino Acids. PLoS ONE, 2013, 8, e79234.	2.5	9
38	Hybridization potential of oligonucleotides comprising 3â€²-O-methylated altritol nucleosides. Molecular Diversity, 2012, 16, 825-837.	3.9	3
39	Structural and Functional Characterization of Microcin C Resistance Peptidase MccF from Bacillus anthracis. Journal of Molecular Biology, 2012, 420, 366-383.	4.2	22
40	Aminoacyl-tRNA synthetase inhibitors as antimicrobial agents: a patent review from 2006 till present. Expert Opinion on Therapeutic Patents, 2012, 22, 1453-1465.	5.0	40
41	Using Chemical Approaches to Understand RNA Structure and Function in Biology. Journal of Nucleic Acids, 2012, 2012, 1-2.	1.2	0
42	Microcin C and Albomycin Analogues with Arylâ€tetrazole Substituents as Nucleobase Isosters Are Selective Inhibitors of Bacterial Aminoacyl tRNA Synthetases but Lack Efficient Uptake. ChemBioChem, 2012, 13, 1959-1969.	2.6	19
43	Microcin C: Biosynthesis, Mode of Action, and Potential as a Lead in Antibiotics Development. Nucleosides, Nucleotides and Nucleic Acids, 2011, 30, 465-474.	1.1	7
44	Aminoacyl-tRNA synthetase inhibitors as potential antibiotics. European Journal of Medicinal Chemistry, 2011, 46, 5227-5236.	5.5	116
45	Substituted 2-aminothiazoles are exceptional inhibitors of neuronal degeneration in tau-driven models of Alzheimerâ€™s disease. European Journal of Pharmaceutical Sciences, 2011, 43, 386-392.	4.0	26
46	Extended targeting potential and improved synthesis of Microcin C analogs as antibacterials. Bioorganic and Medicinal Chemistry, 2011, 19, 5462-5467.	3.0	23
47	Single-Molecule FRET Reveals a Cooperative Effect of Two Methyl Group Modifications in the Folding of Human Mitochondrial tRNALys. Chemistry and Biology, 2011, 18, 928-936.	6.0	25
48	Characterization of Peptide Chain Length and Constituency Requirements for YejABEF-Mediated Uptake of Microcin C Analogues. Journal of Bacteriology, 2011, 193, 3618-3623.	2.2	27
49	Crystallization and preliminary X-ray study of theD-altritol oligonucleotide GTGTACAC. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 460-462.	0.7	1
50	The Mechanism of Microcin C Resistance Provided by the MccF Peptidase. Journal of Biological Chemistry, 2010, 285, 37944-37952.	3.4	34
51	MccE Provides Resistance to Protein Synthesis Inhibitor Microcin C by Acetylating the Processed Form of the Antibiotic. Journal of Biological Chemistry, 2010, 285, 12662-12669.	3.4	35
52	Towardl-Homo-DNA: Stereoselective de Novo Synthesis of Î²-l-erythro-Hexopyranosyl Nucleosides. Journal of Organic Chemistry, 2010, 75, 6402-6410.	3.2	26
53	Maturation of the Translation Inhibitor Microcin C. Journal of Bacteriology, 2009, 191, 2380-2387.	2.2	43
54	Synthetic Microcin C Analogs Targeting Different Aminoacyl-tRNA Synthetases. Journal of Bacteriology, 2009, 191, 6273-6280.	2.2	53

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55	Analysis of Dideoxyadenosine Triphosphate by Capillary Electrophoresis with Fluorescence Detection. Derivatization Through the Adenine Group. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 2642-2653.	1.0	0
56	Evaluation of the type I signal peptidase as antibacterial target for biofilm-associated infections of Staphylococcus epidermidis. Microbiology (United Kingdom), 2009, 155, 3719-3729.	1.8	13
57	Biological effects of hexitol and altritol-modified siRNAs targeting B-Raf. European Journal of Pharmacology, 2009, 606, 38-44.	3.5	40
58	Synthesis and Base Pairing Properties of 1â€²,5â€²â€Anhydroâ€<scp>L</scp>â€Hexitol Nucleic Acids (<scp>L</scp>â€HNA). Chemistry - A European Journal, 2009, 15, 10121-10131.	3.3	30
59	Detection of RNA Hybridization by Pyreneâ€Labeled Probes. ChemBioChem, 2009, 10, 1175-1185.	2.6	32
60	Patient experiences of over-the-counter medicine purchases in Flemish community pharmacies. International Journal of Clinical Pharmacy, 2009, 31, 450-457.	1.4	32
61	Antibacterial 5â€²-O-(N-dipeptidyl)-sulfamoyladenosines. Bioorganic and Medicinal Chemistry, 2009, 17, 260-269.	3.0	22
62	Antimicrobial resistance in bacteria. Open Medicine (Poland), 2009, 4, 141-155.	1.3	41
63	An easy and fast method for the evaluation of Staphylococcus epidermidis type I signal peptidase inhibitors. Journal of Microbiological Methods, 2009, 78, 231-237.	1.6	12
64	A large-scale chemical modification screen identifies design rules to generate siRNAs with high activity, high stability and low toxicity. Nucleic Acids Research, 2009, 37, 2867-2881.	14.5	315
65	HNA and ANA high-affinity arrays for detections of DNA and RNA single-base mismatches. Biosensors and Bioelectronics, 2008, 23, 1728-1732.	10.1	23
66	De novo approach to l-anhydrohexitol nucleosides as building blocks for the synthesis of l-hexitol nucleic acids (l-HNA). Tetrahedron Letters, 2008, 49, 6068-6070.	1.4	18
67	Dendritic Nucleotides: Interaction with an Aliphatic Acid Monolayer. Chemistry and Biodiversity, 2008, 5, 1675-1682.	2.1	1
68	Impact of spacers on the hybridization efficiency of mixed self-assembled DNA/alkanethiol films. Biosensors and Bioelectronics, 2008, 24, 72-77.	10.1	71
69	Phosphoramidite building blocks for efficient incorporation of 2â€²-O-aminoethoxy(and propoxy)methyl nucleosides into oligonucleotides. Tetrahedron, 2008, 64, 6238-6251.	1.9	18
70	Aminoacyl-tRNA Synthetase Inhibitors as Potent and Synergistic Immunosuppressants. Journal of Medicinal Chemistry, 2008, 51, 3020-3029.	6.4	28
71	Some Novel Aminopropyl Nucleoside Phosphonates. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 563-566.	1.1	4
72	Inhibition of MDR1 expression with altritol-modified siRNAs. Nucleic Acids Research, 2007, 35, 1064-1074.	14.5	73

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73	2â€²-O-Hydroxyalkoxymethylribonucleosides and their Incorporation into Oligoribonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1509-1512.	1.1	4
74	A Simple Nucleic Acid Alternative: Aminopropyl Nucleic Acids (APNAs). Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1665-1668.	1.1	1
75	Structural Characterization and Biological Evaluation of Small Interfering RNAs Containing Cyclohexenyl Nucleosides. Journal of the American Chemical Society, 2007, 129, 9340-9348.	13.7	46
76	A Methyl Group Controls Conformational Equilibrium in Human Mitochondrial tRNA^{Lys}. Journal of the American Chemical Society, 2007, 129, 13382-13383.	13.7	77
77	Chemical Etiology of Nucleic Acids: Aminopropyl Nucleic Acids (APNAs). Chemistry and Biodiversity, 2007, 4, 740-761.	2.1	5
78	Conformational and Chiral Selection of Oligonucleotides. Chemistry and Biodiversity, 2007, 4, 803-817.	2.1	17
79	Fmoc-Protected Altritol Phosphoramidite Building Blocks and Their Application in the Synthesis of Altritol Nucleic Acids (ANAs). European Journal of Organic Chemistry, 2007, 2007, 1446-1456.	2.4	5
80	Analysis of dideoxyadenosine triphosphate by CE with fluorescence detection. I. Derivatization through the phosphate group. Electrophoresis, 2007, 28, 3948-3956.	2.4	8
81	Syntheses of 2â€²-C-amidoalkyl and 2â€²-C-cyanoalkyl containing oligodeoxyribonucleotides and assessment of their hybridisation affinity for complementary DNA and RNA. Tetrahedron, 2007, 63, 577-585.	1.9	2
82	Synthesis and evaluation of hexitol nucleoside congeners as ambiguous nucleosides. Tetrahedron Letters, 2007, 48, 2143-2145.	1.4	2
83	Complexation of Lipofectamine and Cholesterol-Modified DNA Sequences Studied by Single-Molecule Fluorescence Techniques. Biomacromolecules, 2007, 8, 3382-3392.	5.4	9
84	Synthesis of Oligoribonucleotides Containing Pyrimidine 2′-O-[(Hydroxyalkoxy)methyl]ribonucleosides. Collection of Czechoslovak Chemical Communications, 2006, 71, 804-819.	1.0	6
85	Baseâ˜Base Interactions in the Minor Groove of Double-Stranded DNA. Journal of Organic Chemistry, 2006, 71, 5423-5431.	3.2	40
86	Characterization and sequence verification of thiolated deoxyoligonucleotides used for microarray construction. Journal of the American Society for Mass Spectrometry, 2006, 17, 1397-1400.	2.8	6
87	Oligonucleotides as antivirals: Dream or realistic perspective?. Antiviral Research, 2006, 71, 307-316.	4.1	29
88	Synthetic dsDNA-Binding Peptides Using Natural Compounds as Model. Helvetica Chimica Acta, 2006, 89, 1194-1219.	1.6	6
89	Synthesis of Aminopropyl Phosphonate Nucleosides with Purine and Pyrimidine Bases. Collection of Czechoslovak Chemical Communications, 2006, 71, 15-34.	1.0	17
90	Synthesis, in vitro cellular uptake and photo-induced antiproliferative effects of lipophilic hypericin acid derivatives. Bioorganic and Medicinal Chemistry, 2005, 13, 6347-6353.	3.0	13

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91	Synthesis and Properties of Oligonucleotides Containing 2,4-Dihydroxycyclohexyl Nucleosides. Helvetica Chimica Acta, 2005, 88, 3210-3224.	1.6	3
92	Synthesis of RNA ContainingO-Î²-D-Ribofuranosyl-(1â€³ï£¿2â€²)-adenosine-5â€³-phosphate and 1-Methyladenosine, Minor Components of tRNA. Chemistry and Biodiversity, 2005, 2, 1153-1163.	2.1	11
93	Synthesis and Properties of Aminopropyl Nucleic Acids. ChemBioChem, 2005, 6, 2298-2304.	2.6	25
94	Delivery of Antisense Oligonucleotides Using Cholesterol-Modified Sense Dendrimers and Cationic Lipids. Bioconjugate Chemistry, 2005, 16, 827-836.	3.6	24
95	ENZYMATIC RESOLUTION AND BASE PAIRING PROPERTIES OF D- AND L-CYCLOHEXENYL NUCLEIC ACIDS (CeNA). Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 993-998.	1.1	3
96	Hexitol Nucleic Acid-Containing Aptamers Are Efficient Ligands of HIV-1 TAR RNAâ€. Biochemistry, 2005, 44, 2926-2933.	2.5	38
97	Synthesis and Conformational Analysis of a Ribo-Type Cyclohexenyl Nucleoside. Journal of Organic Chemistry, 2005, 70, 4591-4597.	3.2	17
98	Inhibition of MDR1 gene expression by chimeric HNA antisense oligonucleotides. Nucleic Acids Research, 2004, 32, 4411-4419.	14.5	50
99	Interaction of HIV-1 Reverse Transcriptase with Modified Oligonucleotide Primers Containing 2Â-O-Â-D-Ribofuranosyladenosine. Biochemistry (Moscow), 2004, 69, 130-136.	1.5	1
100	Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis. Tetrahedron, 2004, 60, 2111-2123.	1.9	12
101	Synthesis and Stability of Oligonucleotides Containing Acyclic Achiral Nucleoside Analogues with Two Base Moieties. Organic Letters, 2004, 6, 51-54.	4.6	28
102	N-Aminoimidazole Derivatives Inhibiting Retroviral Replication via a Yet Unidentified Mode of Action. Journal of Medicinal Chemistry, 2003, 46, 1546-1553.	6.4	40
103	New dsDNA-Binding Hybrid Molecules Combining an Unnatural Peptide and an Intercalating Moiety. Helvetica Chimica Acta, 2003, 86, 533-547.	1.6	5
104	Comparison of library screening techniques used in the development of dsDNA ligands. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 47-50.	2.2	8
105	Replication of hexitol oligonucleotides as a prelude to the propagation of a third type of nucleic acid in vivo. Comptes Rendus - Biologies, 2003, 326, 1175-1184.	0.2	39
106	Synthesis and Antiviral Evaluation of Ribavirin Congeners Containing a Hexitol Moiety. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 849-851.	1.1	2
107	Oligonucleotides Containing Disaccharide Nucleosides: Synthesis, Physicochemical, and Substrate Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1117-1118.	1.1	1
108	Ribavirin Derivatives with a Hexitol Moiety: Synthesis and Antiviral Evaluation. Antiviral Chemistry and Chemotherapy, 2003, 14, 23-30.	0.6	3

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109	Synthesis and Antiviral Activity of a Series of New Cyclohexenyl Nucleosides. Antiviral Chemistry and Chemotherapy, 2003, 14, 31-37.	0.6	8
110	Base Pairing Properties of D- and L-Cyclohexene Nucleic Acids (CeNA). Oligonucleotides, 2003, 13, 479-489.	2.7	12
111	Evaluation of Capillary HPLC/Mass Spectrometry as an Alternative Analysis Method for Gel Electrophoresis of Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1513-1516.	1.1	3
112	Chemical Incorporation of 1-Methyladenosine, Minor tRNA Component, into Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1113-1115.	1.1	1
113	Methylated Hexitol Nucleic Acids, Towards Congeners with Improved Antisense Potential. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1227-1229.	1.1	2
114	Synthesis, Solution Conformation and Anti-HIV Activity of Novel 3-Substituted-2â€²,3â€²-Dideoxy-5-Hydroxymethyl-Uridines and Their 4,5-Substituted Analogues. Antiviral Chemistry and Chemotherapy, 2003, 14, 127-138.	0.6	4
115	Synthesis and Biological Evaluation of a Series of New Cyclohexenyl Nucleosides. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 845-847.	1.1	3
116	Cleavage of DNA without loss of genetic information by incorporation of a disaccharide nucleoside. Nucleic Acids Research, 2003, 31, 6758-6769.	14.5	4
117	Synthesis of 1,5â€Anhydrohexitol Building Blocks for Oligonucleotide Synthesis. Current Protocols in Nucleic Acid Chemistry, 2003, 14, Unit 1.9.	0.5	8
118	Chemical incorporation of 1-methyladenosine into oligonucleotides. Nucleic Acids Research, 2002, 30, 1124-1131.	14.5	32
119	AFFINITY MODIFICATION OFEcoRII DNA METHYLTRANSFERASE BY THE DIALDEHYDE-SUBSTITUTED DNA DUPLEXES: MAPPING THE ENZYME REGION THAT INTERACTS WITH DNA. Nucleosides, Nucleotides and Nucleic Acids, 2002, 21, 753-764.	1.1	8
120	Crystal Structure of Double Helical Hexitol Nucleic Acids. Journal of the American Chemical Society, 2002, 124, 928-933.	13.7	75
121	Recognition of HNA and 1,5-anhydrohexitol nucleotides by DNA metabolizing enzymes. BBA - Proteins and Proteomics, 2002, 1597, 115-122.	2.1	10
122	1,2,4-Triazole Derivatives Inhibiting the Human Immunodeficiency Virus Type 1 (HIV-1) in vitro. Helvetica Chimica Acta, 2002, 85, 1883.	1.6	20
123	An additional 2â€²-ribofuranose residue at a specific position of the DNA primer prevents Its elongation by HIV-1 reverse transcriptase. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 681-684.	2.2	11
124	Characterization and sequence confirmation of unnatural amino acid containing peptide libraries using electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 982-987.	1.5	3
125	New dsDNA binding unnatural oligopeptides with pyrimidine selectivity. Bioorganic and Medicinal Chemistry, 2002, 10, 3401-3413.	3.0	14
126	Protection of 1-methyladenosine and its chemical incorporation into oligonucleotides. , 2002, , .		0

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127	INCREASED RNA AFFINITY OF HNA ANALOGUES BY INTRODUCING ALKOXY SUBSTITUENTS AT THE C-1 OR C-3 POSITION. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 781-784.	1.1	3
128	Hybridization between â€œSix-Memberedâ€•Nucleic Acids:â€‰ RNA as a Universal Information System. Organic Letters, 2001, 3, 4129-4132.	4.6	19
129	Epimerization During Coupling to the Unnatural Amino Acid in Solid Phase Peptide Synthesis. Collection of Czechoslovak Chemical Communications, 2001, 66, 923-932.	1.0	2
130	Oligonucleotides Containing Disaccharide Nucleosides. Helvetica Chimica Acta, 2001, 84, 2387-2397.	1.6	22
131	Î±-Homo-DNA and RNA Form a Parallel Oriented Non-A, Non-B-Type Double Helical Structure. Chemistry - A European Journal, 2001, 7, 5183-5194.	3.3	19
132	Improved hybridisation potential of oligonucleotides comprising O-methylated anhydrohexitol nucleoside congeners. Nucleic Acids Research, 2001, 29, 4187-4194.	14.5	15
133	CYCLOHEXENE NUCLEIC ACIDS (CeNA) FORM STABLE DUPLEXES WITH RNA AND INDUCE RNASE H ACTIVITY. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 785-788.	1.1	21
134	Nonenzymatic Template-Directed Reactions on Altritol Oligomers, Preorganized Analogues of Oligonucleotides. Chemistry - A European Journal, 2000, 6, 151-155.	3.3	45
135	Synthesis of the Anticodon HairpintRNAfMet ContainingN-{[9-(Î²-D-Ribofuranosyl)-9H-purin-6-yl]carbamoyl}-L-threonine (=N6-{{[(1S,2R)-1-Carboxy-2-hydroxypropyl]amino}carbonyl}adenosine, t6A). Helvetica Chimica Acta, 2000, 83, 152-161.	1.6	23
136	Synthesis of Alanine and Proline Amino Acids with Amino or Guanidinium Substitution on the Side Chain. Tetrahedron, 2000, 56, 2513-2522.	1.9	15
137	Synthesis and antiviral evaluation of some Î²-l-2â€²,3â€²-dideoxy-5-chloropyrimidine nucleosides and pronucleotides. Antiviral Research, 2000, 45, 169-183.	4.1	14
138	Biological activity of hexitol nucleic acids targeted at Ha-ras and intracellular adhesion molecule-1 mRNA. Biochemical Pharmacology, 2000, 59, 655-663.	4.4	24
139	Investigation of The Kinetics of Degradation of Hexopyranosylated Cytosine Nucleosides Using Liquid Chromatography. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 189-203.	1.1	2
140	Enzymatic Incorporation in DNA of 1,5-Anhydrohexitol Nucleotides. Biochemistry, 2000, 39, 12757-12765.	2.5	66
141	Cyclohexene Nucleic Acids (CeNA):Â Serum Stable Oligonucleotides that Activate RNase H and Increase Duplex Stability with Complementary RNA. Journal of the American Chemical Society, 2000, 122, 8595-8602.	13.7	129
142	Nonenzymatic Template-Directed Reactions on Altritol Oligomers, Preorganized Analogues of Oligonucleotides. Chemistry - A European Journal, 2000, 6, 151-155.	3.3	2
143	Glycosylation of 1-Aminoimidazole-2(3H)-thiones. Collection of Czechoslovak Chemical Communications, 2000, 65, 1145-1155.	1.0	2
144	Base pairing of anhydrohexitol nucleosides with 2,6-diaminopurine, 5- methylcytosine and uracil asbase moiety. Nucleic Acids Research, 1999, 27, 1450-1456.	14.5	29

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145	Synthesis of protected D-altritol nucleosides as building blocks for oligonucleotide synthesis. Tetrahedron, 1999, 55, 6527-6546.	1.9	35
146	Oligonucleotides with 1,5-anhydrohexitol nucleoside building blocks: crystallization and preliminary X-ray studies of h(GTGTACAC). Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 279-280.	2.5	0
147	Antimalarial antisense activity of hexitol nucleic acids. Parasitology Research, 1999, 85, 864-866.	1.6	8
148	Synthesis and Pairing Properties of Oligonucleotides Containing 3-Hydroxy-4-hydroxymethyl-1-cyclohexanyl Nucleosides. Chemistry - A European Journal, 1999, 5, 2139-2150.	3.3	53
149	D-Altritol Nucleic Acids (ANA): Hybridisation Properties, Stability, and Initial Structural Analysis. Chemistry - A European Journal, 1999, 5, 2424-2431.	3.3	66
150	Nonenzymatic Synthesis of RNA and DNA Oligomers on Hexitol Nucleic Acid Templates:â€‰ The Importance of the A Structure. Journal of the American Chemical Society, 1999, 121, 2653-2656.	13.7	64
151	Polyethylenimine but Not Cationic Lipid Improves Antisense Activity of 3â€²-Capped Phosphodiester Oligonucleotides. Oligonucleotides, 1999, 9, 515-525.	4.3	64
152	Efficient Transfer of Information from Hexitol Nucleic Acids to RNA during Nonenzymatic Oligomerization. Journal of the American Chemical Society, 1999, 121, 5856-5859.	13.7	52
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