Sergey Mikhailov

List of Publications by Year
in descending order

168	2,003	331670	345221
papers	citations	21 h-index	36 g-index

199	199	199	1887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Î±â€•D â€Ribose 1â€Phosphate and 2â€Deoxyâ€Î±â€•D â€Ribose 1â€Phosphate Via Enzymatic Phosphorolysis of 7â€Methylguanosine and 7â€Methyldeoxyguanosine. Current Protocols, 2022, 2, e347.	2.9	2
2	In Vitro and In Silico Studies of Human Tyrosyl-DNA Phosphodiesterase 1 (Tdp1) Inhibition by Stereoisomeric Forms of Lipophilic Nucleosides: The Role of Carbohydrate Stereochemistry in Ligand-Enzyme Interactions. Molecules, 2022, 27, 2433.	3.8	2
3	Nucleoside Inhibitors of Coronaviruses. Current Medicinal Chemistry, 2021, 28, 5284-5310.	2.4	5
4	Antiviral and Antimicrobial Nucleoside Derivatives: Structural Features and Mechanisms of Action. Molecular Biology, 2021, 55, 786-812.	1.3	37
5	Use of nucleoside phosphorylases for the preparation of 5-modified pyrimidine ribonucleosides. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140292.	2.3	9
6	Inhibition of Tyrosyl-DNA Phosphodiesterase 1 by Lipophilic Pyrimidine Nucleosides. Molecules, 2020, 25, 3694.	3.8	7
7	Distinct Peculiarities of In Planta Synthesis of Isoprenoid and Aromatic Cytokinins. Biomolecules, 2020, 10, 86.	4.0	3
8	Strained Conformations of Nucleosides in Active Sites of Nucleoside Phosphorylases. Biomolecules, 2020, 10, 552.	4.0	7
9	Fundamental Aspects of Xanthene Dye Aggregation on the Surfaces of Nanocluster Polyoxometalates: Hâ€to Jâ€Aggregate Switching. Chemistry - A European Journal, 2020, 26, 5685-5693.	3.3	15
10	Synthesis of Poly(ADPâ€ribose) Monomer Containing 2â€²â€Oâ€Î±â€Dâ€Ribofuranosyl Adenosine. Current Protocols in Nucleic Acid Chemistry, 2019, 78, e92.	0.5	1
11	Enzymatic Synthesis of 2â€Deoxyribose 1â€Phosphate and Ribose 1 Phosphate and Subsequent Preparation of Nucleosides. European Journal of Organic Chemistry, 2019, 2019, 6999-7004.	2.4	13
12	Comparative Analysis of the Biosynthesis of Isoprenoid and Aromatic Cytokinins. Doklady Biochemistry and Biophysics, 2019, 488, 346-349.	0.9	2
13	A role for 3â€²-O-Î²-D-ribofuranosyladenosine in altering plant immunity. Phytochemistry, 2019, 157, 128-134.	2.9	11
14	Chemoenzymatic synthesis of cytokinins from nucleosides: ribose as a blocking group. Organic and Biomolecular Chemistry, 2018, 16, 2156-2163.	2.8	6
15	Synthesis of N⁶â€Substituted Adenosines as Cytokinin Nucleosides. Current Protocols in Nucleic Acid Chemistry, 2018, 72, 14.15.1-14.15.16.	0.5	4
16	Cytokinin activity of N6-benzyladenine derivatives assayed by interaction with the receptors in planta, inÂvitro, and in silico. Phytochemistry, 2018, 149, 161-177.	2.9	19
17	Use of Nucleoside Phosphorylases for the Preparation of Purine and Pyrimidine 2â€²â€Deoxynucleosides. Advanced Synthesis and Catalysis, 2018, 360, 305-312.	4.3	20
18	Synthesis of Cytokinins via Enzymatic Arsenolysis of Purine Nucleosides. Current Protocols in Nucleic Acid Chemistry, 2018, 75, e61.	0.5	3

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19	Novel group of tyrosyl-DNA-phosphodiesterase 1 inhibitors based on disaccharide nucleosides as drug prototypes for anti-cancer therapy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1415-1429.	5.2	18
20	Quantitative Prediction of Yield in Transglycosylation Reaction Catalyzed by Nucleoside Phosphorylases. Advanced Synthesis and Catalysis, 2018, 360, 3090-3096.	4.3	18
21	New tools in nucleoside toolbox of tick-borne encephalitis virus reproduction inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1267-1273.	2.2	26
22	Peculiarities of obtaining biocompatible films based on chitosan cross linked by genipin. Polymer Science - Series D, 2017, 10, 189-193.	0.6	11
23	Substrate specificity ofE. coliuridine phosphorylase. Further evidences of high-synconformation of the substrate in uridine phosphorolysis. Nucleosides, Nucleotides and Nucleic Acids, 2017, 36, 107-121.	1.1	5
24	Anti-HIV Activities of Intramolecular G4 and Non-G4 Oligonucleotides. Nucleic Acid Therapeutics, 2017, 27, 56-66.	3.6	11
25	Fluorination of Naturally Occurring N6-Benzyladenosine Remarkably Increased Its Antiviral Activity and Selectivity. Molecules, 2017, 22, 1219.	3.8	16
26	Perspectives in Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2016, 16, 2725-2726.	2.1	4
27	Biodegradablescaffolds based on chitosan: Preparation, properties, and use for the cultivation of animal cells. Applied Biochemistry and Microbiology, 2016, 52, 515-524.	0.9	15
28	Poly(ADP-ribose): From chemical synthesis to drug design. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3395-3403.	2.2	12
29	Modification of the length and structure of the linker of N6-benzyladenosine modulates its selective antiviral activity against enterovirus 71. European Journal of Medicinal Chemistry, 2016, 111, 84-94.	5.5	29
30	Crosslinking of Chitosan with Dialdehyde Derivatives of Nucleosides and Nucleotides. Mechanism and Comparison with Glutaraldehyde. Nucleosides, Nucleotides and Nucleic Acids, 2016, 35, 114-129.	1.1	27
31	Cytokinin Nucleosides - Natural Compounds with a Unique Spectrum of Biological Activities. Current Topics in Medicinal Chemistry, 2016, 16, 2562-2576.	2.1	24
32	Inhibition of Poly(ADP-Ribose) Polymerase by Nucleic Acid Metabolite 7-Methylguanine. Acta Naturae, 2016, 8, 108-15.	1.7	8
33	Perspectives in Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2016, , .	2.1	0
34	Regioselective 1-N-Alkylation and Rearrangement of Adenosine Derivatives. Nucleosides, Nucleotides and Nucleic Acids, 2015, 34, 475-499.	1.1	11
35	Stereoselective Synthesis of 2â€²-O-Î±-D-Ribofuranosyluridine, A Structural Fragment of Hellecaucaside A. Chemistry of Natural Compounds, 2015, 51, 256-260.	0.8	3
36	Poly(ADP-Ribose)â€”A Unique Natural Polymer Structural Features, Biological Role and Approaches to the Chemical Synthesis. Nucleosides, Nucleotides and Nucleic Acids, 2015, 34, 258-276.	1.1	14

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37	Chemical modification of the plant isoprenoid cytokinin N6-isopentenyladenosine yields a selective inhibitor of human enterovirus 71 replication. European Journal of Medicinal Chemistry, 2015, 90, 406-413.	5.5	23
38	High-synconformation of uridine and asymmetry of the hexameric molecule revealed in the high-resolution structures ofShewanella oneidensisMR-1 uridine phosphorylase in the free form and in complex with uridine. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 3310-3319.	2.5	13
39	The selective toxic effect of dialdehyde derivatives of pyrimidine nucleosides on human ovarian cancer cells. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2014, 8, 318-322.	0.4	2
40	Substrate specificity of E. coli uridine phosphorylase. Evidence of high-syn conformation of substrate. , 2014, , .		1
41	Further improvements in disaccharide synthesis: synthesis of 2â€™-O-Î±-D-ribofuranosyladenosine and its derivatives. , 2014, , .		2
42	Disaccharide Pyrimidine Nucleosides and Their Derivatives: A Novel Group of Cell-Penetrating Inhibitors of Poly(ADP-Ribose) Polymerase 1. Nucleosides, Nucleotides and Nucleic Acids, 2013, 32, 510-528.	1.1	22
43	Physicochemical characterization of uridine phosphorylase from Shewanella oneidensis MR-1. Doklady Biochemistry and Biophysics, 2013, 451, 187-189.	0.9	3
44	N6-(benzyloxymethyl)adenosine is a novel anticytokinin, an antagonist of cytokinin receptor CRE1/AHK4 of Arabidopsis. Doklady Biochemistry and Biophysics, 2012, 444, 178-181.	0.9	9
45	Modification of chitosan cryogels by pyridoxal phosphate to improve sorption capacity. Fibre Chemistry, 2012, 43, 426-432.	0.2	6
46	Replication-competent gamma-retrovirus Mo-MuLV expressing green fluorescent protein as efficient tool for screening of inhibitors of retroviruses that use heparan sulfate as primary cell receptor. Molecular Biology, 2012, 46, 457-466.	1.3	7
47	Facile Synthesis of 8-Azido-6-Benzylaminopurine. Nucleosides, Nucleotides and Nucleic Acids, 2011, 30, 503-511.	1.1	15
48	N6-substituted adenosines. Cytokinin and antitumor activities. Collection of Czechoslovak Chemical Communications, 2011, 76, 1361-1378.	1.0	18
49	Solid-Supported 2â€²-O-Glycoconjugation of Oligonucleotides by Azidation and Click Reactions. Bioconjugate Chemistry, 2011, 22, 1249-1255.	3.6	24
50	Sorption of Eu(III) from solutions of covalently cross-linked chitosan cryogels. Fibre Chemistry, 2011, 42, 364-369.	0.2	9
51	Gel formation in polymeric composites for modification of fibrous materials. Fibre Chemistry, 2011, 43, 129-133.	0.2	2
52	N6-Acetyl-2â€²,3â€²,5â€²-tri-O-acetyladenosine; A Convenient, â€˜Missed Outâ€™ Substrate for Regioselective N6-Alkylations. Synthesis, 2011, 2011, 2483-2489.	2.3	7
53	A New Protocol for Selective Cleavage of Acyl Protecting Groups in 2â€²-O-Modified 3â€²,5â€²-O-(Tetraisopropyldisiloxane-1,3-diyl)ribonucleosides. Synthesis, 2010, 2010, 3827-3834.	2.3	1
54	Detection of RNA Hybridization by Pyreneâ€Labeled Probes. ChemBioChem, 2009, 10, 1175-1185.	2.6	32

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55	Disaccharide nucleosides as an important group of natural compounds. Molecular Biology, 2009, 43, 301-312.	1.3	19
56	About mechanism of chitosan cross-linking with glutaraldehyde. Russian Journal of Bioorganic Chemistry, 2009, 35, 360-369.	1.0	158
57	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
58	Oligodeoxynucleotides Containing N¹â€Methylâ€2â€²â€Deoxyadenosine and N⁶â€Methylâ€2â€²â€Deoxyadenosine. Current Protocols in Nucleic Acid Chemistry, 2009, 38, Unit 4.36 1-19.	0.5	1
59	Effective isomerization of 3', 5'-O-(tetraisopropyldisiloxane-1,3-diyl)nucleosides in the presence of trimethylsilyl trifluoromethanesulfonate. Arkivoc, 2009, 2009, 158-170.	0.5	0
60	Synthesis of 2â€²-O-Î±-d-ribofuranosyladenosine, monomeric unit of poly(ADPâ€“ribose). Tetrahedron, 2008, 64, 2871-2876.	1.9	23
61	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
62	Substrate Specificity of Thymidine Phosphorylase ofE. Coli: Role of Hydroxyl Groups. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 1211-1214.	1.1	5
63	Stereospecific synthesis of 2'-O-Î±-D-ribofuranosylnucleosides. , 2008, , .		2
64	Periodate oxidized derivatives of nucleosides and nucleotides as novel crosslinking reagents. , 2008, , .		1
65	Synthesis of 2â€²â€•and 3â€²â€Câ€Methylribonucleosides. Current Protocols in Nucleic Acid Chemistry, 2007, 28, Unit 14.5.	0.5	0
66	Disaccharide Nucleosides and their Incorporation into Oligonucleotides. Current Organic Chemistry, 2007, 11, 337-354.	1.6	22
67	2â€²-O-Hydroxyalkoxymethylribonucleosides and their Incorporation into Oligoribonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1509-1512.	1.1	4
68	Oligodeoxynucleotides Containing 2â€²-Deoxy-1-methyladenosine andDimroth Rearrangement. Helvetica Chimica Acta, 2007, 90, 928-937.	1.6	9
69	Substrate specificity of Escherichia coli thymidine phosphorylase. Biochemistry (Moscow), 2007, 72, 21-28.	1.5	15
70	Synthesis of Oligoribonucleotides Containing Pyrimidine 2'-O-[(Hydroxyalkoxy)methyl]ribonucleosides. Collection of Czechoslovak Chemical Communications, 2006, 71, 804-819.	1.0	6
71	Synthesis of 2â€²â€•O â€Î²â€•d â€Ribofuranosylnucleosides. Current Protocols in Nucleic Acid Chemistry, 2006, 27, Unit 1.14.	0.5	3
72	Disaccharide nucleosides: The crystal and molecular structure of 2â€²-O-Î²-D-ribopyranosylcytidine. Crystallography Reports, 2005, 50, 395-399.	0.6	1

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73	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
74	Incorporation of a disaccharide nucleoside into the backbone of double-stranded DNA: crystallization and preliminary X-ray diffraction. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 953-955.	0.7	1
75	Effective Anomerisation of 2â€²â€Deoxyadenosine Derivatives During Disaccharide Nucleoside Synthesis. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1849-1864.	1.1	9
76	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
77	Use of 4-Thiouridine and 4-Thiothymidine in Studies on Pyrimidine Nucleoside Phosphorylases. Molecular Biology, 2004, 38, 770-776.	1.3	12
78	Synthesis and Properties of O--D-ribofuranosyl-(1â€³â†'2â€²)-guanosine-5â€³- O-phosphate and Its Derivatives. Helvetica Chimica Acta, 2003, 86, 504-514.	1.6	9
79	Synthesis and Conformational Properties ofO-Î²-D-Ribofuranosyl-(1â€³-2â€²)-guanosine and (Adenosine)-5â€³-phosphate. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1109-1111.	1.1	4
80	Oligonucleotides Containing Disaccharide Nucleosides: Synthesis, Physicochemical, and Substrate Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1117-1118.	1.1	1
81	Dinucleoside Monophosphates Containing AZT and 1-Methyladenosine or 7-Methylguanosine. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 853-855.	1.1	1
82	Chemical Incorporation of 1-Methyladenosine, Minor tRNA Component, into Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1113-1115.	1.1	1
83	Fluorescent 2-Pyrimidinone Nucleoside in Parallel-Stranded DNA. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1499-1503.	1.1	6
84	Cleavage of DNA without loss of genetic information by incorporation of a disaccharide nucleoside. Nucleic Acids Research, 2003, 31, 6758-6769.	14.5	4
85	Synthesis and Properties of Phosphorylated 3â€²-O-Î²-D-Ribofuranosyl-2â€²-deoxythymidine. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 359-371.	1.1	7
86	Chemical incorporation of 1-methyladenosine into oligonucleotides. Nucleic Acids Research, 2002, 30, 1124-1131.	14.5	32
87	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
88	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
89	Title is missing!. Russian Journal of Bioorganic Chemistry, 2002, 28, 50-57.	1.0	3
90	Distinct mechanisms of bisphosphonate action between osteoblasts and breast cancer cells: identity of a potent new bisphosphonate analogue. Breast Cancer Research and Treatment, 2002, 71, 257-268.	2.5	39

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91	A comparative study on the cleavage of stereoisomeric uridylyl(3',5')uridines [D,D-, D,L- and L,D-UpU] by acid, base and metal ion catalysts. Origins of Life and Evolution of Biospheres, 2002, 32, 303-310.	1.9	1
92	Disaccharide nucleosides and oligonucleotides on their basis. New tools for the study of enzymes of nucleic acid metabolism. Biochemistry (Moscow), 2002, 67, 1136-1144.	1.5	17
93	Disaccharide nucleosides and oligonucleotides on their basis. , 2002, , .		5
94	Oligonucleotides Containing Disaccharide Nucleosides. Helvetica Chimica Acta, 2001, 84, 2387-2397.	1.6	22
95	Title is missing!. Molecular Biology, 2001, 35, 717-729.	1.3	14
96	Title is missing!. Helvetica Chimica Acta, 2000, 83, 1278-1289.	1.6	14
97	Periodate oxidation in chemistry of nucleic acids: Dialdehyde derivatives of nucleosides, nucleotides, and oligonucleotides (Review). Russian Journal of Bioorganic Chemistry, 2000, 26, 429-449.	1.0	20
98	Synthesis and Properties of O-Î²-D-Ribofuranosyl-(1â€³-2â€²)-Adenosine-5â€³-O-Phosphate and Its Derivatives. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1847-1859.	1.1	14
99	Probing the MvaI Methyltransferase Region that Interacts with DNA: Affinity Labeling with the Dialdehyde-Containing DNA Duplexes. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1805-1820.	1.1	7
100	Synthesis and Properties of Novel NTP Derivatives. Nucleosides & Nucleotides, 1999, 18, 1013-1014.	0.5	4
101	Synthesis ofO-Î²-D-Ribofuranosyl-(1â€³-2â€²)-adenosine-5â€³-O-phosphate. Nucleosides & Nucleotides, 1999, 18, 623-624.	0.5	5
102	Oligonucleotides with Reactive Dialdehyde Groups as Novel Affinity Reagents. Nucleosides & Nucleotides, 1999, 18, 1469-1470.	0.5	2
103	Studies on Disaccharide Nucleoside Synthesis. Mechanism of the Formation of Trisaccharide Purine Nucleosides. Nucleosides & Nucleotides, 1999, 18, 691-692.	0.5	4
104	Mapping of T7 RNA polymerase active site with novel reagents - oligonucleotides with reactive dialdehyde groups. FEBS Letters, 1999, 442, 20-24.	2.8	21
105	Formation of Trisaccharide Nucleosides During Disaccharide Nucleoside Synthesis. European Journal of Organic Chemistry, 1998, 1998, 2193-2199.	2.4	13
106	Functionally Competent Analogs and Their Use for the Determination of Nucleotide Conformation in the Productive Enzyme-Substrate Complexes. Nucleosides & Nucleotides, 1998, 17, 1915-1918.	0.5	1
107	Disaccharide Nucleosides And Their Enzymatic And Chemical Incorporation Into Oligonucleotides. Nucleosides & Nucleotides, 1998, 17, 1681-1684.	0.5	6
108	Effects of 3â€²-C-Methylation on the Hydrolytic Stability and Hydroxyl pK_aValues of Dinucleoside 2â€²,5â€²- and 3â€²,5â€²-Monophosphates. Nucleosides & Nucleotides, 1998, 17, 1325-1331.	0.5	0

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109	DNA duplexes with reactive dialdehyde groups as novel reagents for cross-linking to restriction-modification enzymes. Nucleic Acids Research, 1997, 25, 3302-3309.	14.5	23
110	An Efficient Synthesis and Physico-Chemical Properties OF 2'-O-d-Ribofuranosylnuleosides, Minor tRNA Components. Journal of Carbohydrate Chemistry, 1997, 16, 75-92.	1.1	37
111	Substrate properties of Câ€²-methyl UTP derivatives in T7 RNA polymerase reactions. Evidence for N-type NTP conformation. FEBS Letters, 1997, 400, 263-266.	2.8	4
112	Determination of the nucleotide conformation in the productive enzyme-substrate complexes of RNA-depolymerases. FEBS Letters, 1997, 404, 169-172.	2.8	5
113	Oligodeoxyribonucleosides Containing 1-Î²-D-Glucopyranosylthymine Synthesis and Substrate Properties. Nucleosides & Nucleotides, 1996, 15, 1619-1634.	0.5	9
114	Ribosylation of Pyrimidine 2â€²-Deoxynucleosides. Nucleosides & Nucleotides, 1996, 15, 1323-1334.	0.5	19
115	Synthesis of disaccharide nucleosides and their incorporation into oligonucleotides. Collection of Czechoslovak Chemical Communications, 1996, 61, 206-209.	1.0	5
116	Regioselective incorporation of reactive dialdehyde groups into synthetic oligonucleotides. Collection of Czechoslovak Chemical Communications, 1996, 61, 210-212.	1.0	1
117	Inhibition of growth of estrogen receptor positive and estrogen receptor negative breast cancer cells in culture by AA-etherA, a stable 2-5A derivative. Oncogene, 1996, 12, 827-37.	5.9	11
118	Synthesis of Dioxolane Analogues of Dideoxynucleotides and Their Substrate Properties in DNA Synthesis Reactions. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 727-729.	1.1	3
119	Synthesis and Properties of Some 2'-O-d-Ribofuranosyl-nucleosides. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 481-484.	1.1	16
120	Acyclic Nucleoside and Nucleotide Analogues with Amide Bond. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 373-375.	1.1	4
121	Dioxolane nucleosides and their phosphonate derivatives: synthesis and hydrolytic stability. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1409-1415.	0.9	7
122	Hydrolysis of Isomeric Cytidylyl-(3',5')-5'-C-methyluridines by Acids, Bases and Metal Ions: Steric Effects in the Hydrolysis of the Phosphodiester Bonds of RNA.. Acta Chemica Scandinavica, 1995, 49, 307-310.	0.7	3
123	Nucleoside Analogues on the Basis of 4(R),5(R)-Dihydroxymethyl-2-methyl-1,3-dioxolane. Nucleosides & Nucleotides, 1994, 13, 615-623.	0.5	3
124	Additional evidence for the exceptional mechanism of the acid-catalysed hydrolysis of 4-oxopyrimidine nucleosides: hydrolysis of 1-(1-alkoxyalkyl)uracils, seconucleosides, 3â€²-C-alkyl nucleosides and nucleoside 3â€²,5â€²-cyclic monophosphates. Journal of the Chemical Society Perkin Transactions II, 1994, , 309-314.	0.9	9
125	Kinetics of mutual isomerization of the phosphonate analogs of dinucleoside 2',5'- and 3',5'-monophosphates in aqueous solution. Journal of Organic Chemistry, 1993, 58, 1617-1619.	3.2	10
126	Interconversion and Hydrolysis of 1-[(2'S)-2',3'-Dihydroxypropyl]cytosine Analogues of Isomeric Dinucleoside Monophosphates, 2',5'-CpA and 3',5'-CpA.. Acta Chemica Scandinavica, 1993, 47, 622-625.	0.7	7

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127	Hydrolysis of 2'- and 3'-C-methyluridine 2',3'-cyclic monophosphates and interconversion and dephosphorylation of the resulting 2'- and 3'-monophosphates: comparison with the reactions of uridine monophosphates.. Journal of Organic Chemistry, 1992, 57, 4122-4126.	3.2	18
128	Synthesis and Physico-chemical Properties of Dioxolane Nucleoside Analogues.. Acta Chemica Scandinavica, 1992, 46, 1122-1126.	0.7	13
129	Nucleotides. Part XXXV. Synthesis of 3?-deoxyadenylyl-(2?-5?)-3?-deoxyadenylyl-(2?-?)-9-(?-hydroxyalkyl)adenines. Helvetica Chimica Acta, 1991, 74, 887-891.	1.6	7
130	Substrate Properties of Câ€²-Methylnucleoside and Câ€²-Methyl-2â€²-deoxynucleoside 5â€²-Triphosphates in RNA and DNA Synthesis Reactions Catalysed by RNA and DNA Polymerases. Nucleosides & Nucleotides, 1991, 10, 339-343.	0.5	7
131	Hexopyranosylnucleoside 6'-triphosphates are not substrates for DNA polymerases. Nucleic Acids Symposium Series, 1991, , 17-8.	0.3	0
132	Transient protection in nucleoside synthesis using trityl groups: is it necessary to block hydroxyl groups?. Carbohydrate Research, 1990, 203, 324-329.	2.3	12
133	Syntheses of 3'-C-methyl-2'-deoxypyrimidine nucleosides. Collection of Czechoslovak Chemical Communications, 1990, 55, 25-28.	1.0	1
134	Interaction of the ATP phosphonate analog (ppp[CH2]A) with different ligases. Collection of Czechoslovak Chemical Communications, 1990, 55, 161-164.	1.0	0
135	Transient protection in nucleoside synthesis using trityl groups: Is it necessary to block hydroxyl groups?. Collection of Czechoslovak Chemical Communications, 1990, 55, 105-108.	1.0	0
136	Convenient synthesis of 5?-methyl-2?-desoxyuridines. Chemistry of Heterocyclic Compounds, 1989, 25, 203-205.	1.2	0
137	Epimerization during the acetolysis of 3-O-acetyl-5-O-benzoyl-1,2-O-isopropylidene-3-C-methyl-Î±-d-ribofuranose. Synthesis of 3â€²-C-methylnucleosides with the Î²-d-ribo- and Î±-d-arabino configurations. Carbohydrate Research, 1988, 181, 77-88.	2.3	17
138	Synthesis of enantiomers of 3?,4?-seco-2?-desoxythymidine. Chemistry of Heterocyclic Compounds, 1988, 24, 778-782.	1.2	1
139	Acyclic analogs of nucleosides. Synthesis of 1,5-dihydroxy-3-oxa-2-pentyl derivatives of nucleic bases. Chemistry of Heterocyclic Compounds, 1988, 24, 186-191.	1.2	1
140	Acyclic analogs of nucleosides. Synthesis of chiral 1,5-dihydroxy-4-methyl-3-oxapent-2-yl derivatives of uracil. Chemistry of Heterocyclic Compounds, 1988, 24, 75-78.	1.2	1
141	New chiral acyclic analogs of 2?-deoxynucleosides. Chemistry of Heterocyclic Compounds, 1988, 24, 673-677.	1.2	0
142	A route to 2â€²,5â€²-oligoadenylates with increased stability towards phosphodiesterases. FEBS Letters, 1988, 236, 325-328.	2.8	10
143	New syntheses of 2â€²-C-methylnucleosides starting from d-glucose and d-ribose. Carbohydrate Research, 1987, 166, 219-232.	2.3	30
144	A new scheme for the synthesis of 5â€²-nucleotide phosphonate analogs. Tetrahedron Letters, 1987, 28, 3623-3626.	1.4	10

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145	Possibility of using the periodate oxidation reaction in combination with PMR spectroscopy for establishing the structures of nucleosides and monosaccharides, and their analogs. Chemistry of Natural Compounds, 1987, 23, 30-33.	0.8	0
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147	Convenient Synthesis of Partially Blocked Oxidized-Reduced Nucleosides. Synthesis, 1985, 1985, 399-400.	2.3	15
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