

Sergey Mikhailov

List of Publications by Year in descending order

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168
papers

2,003
citations

331259

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all docs

199
docs citations

199
times ranked

1887
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 2867-2881.	6.5	315
2	About mechanism of chitosan cross-linking with glutaraldehyde. <i>Russian Journal of Bioorganic Chemistry</i> , 2009, 35, 360-369.	0.3	158
3	Distinct mechanisms of bisphosphonate action between osteoblasts and breast cancer cells: identity of a potent new bisphosphonate analogue. <i>Breast Cancer Research and Treatment</i> , 2002, 71, 257-268.	1.1	39
4	An Efficient Synthesis and Physico-Chemical Properties OF 2'-O-d-Ribofuranosyl nucleosides, Minor tRNA Components. <i>Journal of Carbohydrate Chemistry</i> , 1997, 16, 75-92.	0.4	37
5	Antiviral and Antimicrobial Nucleoside Derivatives: Structural Features and Mechanisms of Action. <i>Molecular Biology</i> , 2021, 55, 786-812.	0.4	37
6	Chemical incorporation of 1-methyladenosine into oligonucleotides. <i>Nucleic Acids Research</i> , 2002, 30, 1124-1131.	6.5	32
7	Detection of RNA Hybridization by Pyrene-labeled Probes. <i>ChemBioChem</i> , 2009, 10, 1175-1185.	1.3	32
8	New syntheses of 2-C-methyl nucleosides starting from d-glucose and d-ribose. <i>Carbohydrate Research</i> , 1987, 166, 219-232.	1.1	30
9	Modification of the length and structure of the linker of N6-benzyladenosine modulates its selective antiviral activity against enterovirus 71. <i>European Journal of Medicinal Chemistry</i> , 2016, 111, 84-94.	2.6	29
10	Crosslinking of Chitosan with Dialdehyde Derivatives of Nucleosides and Nucleotides. Mechanism and Comparison with Glutaraldehyde. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 114-129.	0.4	27
11	Synthesis and properties of 3-C-methyl nucleosides and their phosphoric esters. <i>Carbohydrate Research</i> , 1983, 124, 75-96.	1.1	26
12	New tools in nucleoside toolbox of tick-borne encephalitis virus reproduction inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1267-1273.	1.0	26
13	Solid-Supported 2-O-Glycoconjugation of Oligonucleotides by Azidation and Click Reactions. <i>Bioconjugate Chemistry</i> , 2011, 22, 1249-1255.	1.8	24
14	Cytokinin Nucleosides - Natural Compounds with a Unique Spectrum of Biological Activities. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 2562-2576.	1.0	24
15	Branched-chain sugar nucleosides. Synthesis of 3-C-ethyl (and 3-C-butyl)uridine. <i>Carbohydrate Research</i> , 1980, 79, 235-242.	1.1	23
16	DNA duplexes with reactive dialdehyde groups as novel reagents for cross-linking to restriction-modification enzymes. <i>Nucleic Acids Research</i> , 1997, 25, 3302-3309.	6.5	23
17	Synthesis of 2-O-d-ribofuranosyladenosine, monomeric unit of poly(ADP-ribose). <i>Tetrahedron</i> , 2008, 64, 2871-2876.	1.0	23
18	Chemical modification of the plant isoprenoid cytokinin N6-isopentenyladenosine yields a selective inhibitor of human enterovirus 71 replication. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 406-413.	2.6	23

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19	Oligonucleotides Containing Disaccharide Nucleosides. <i>Helvetica Chimica Acta</i> , 2001, 84, 2387-2397.	1.0	22
20	Disaccharide Nucleosides and their Incorporation into Oligonucleotides. <i>Current Organic Chemistry</i> , 2007, 11, 337-354.	0.9	22
21	Disaccharide Pyrimidine Nucleosides and Their Derivatives: A Novel Group of Cell-Penetrating Inhibitors of Poly(ADP-Ribose) Polymerase 1. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2013, 32, 510-528.	0.4	22
22	Mapping of T7 RNA polymerase active site with novel reagents - oligonucleotides with reactive dialdehyde groups. <i>FEBS Letters</i> , 1999, 442, 20-24.	1.3	21
23	Periodate oxidation in chemistry of nucleic acids: Dialdehyde derivatives of nucleosides, nucleotides, and oligonucleotides (Review). <i>Russian Journal of Bioorganic Chemistry</i> , 2000, 26, 429-449.	0.3	20
24	Use of Nucleoside Phosphorylases for the Preparation of Purine and Pyrimidine 2'-Deoxynucleosides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 305-312.	2.1	20
25	Synthesis of a new class of acyclic 2',5'- and 3',5'-oligonucleotide analogs based on 9-[1,5-dihydroxy-4(S)-hydroxymethyl-3-oxapent-2(R)-yl]-adenine. <i>Tetrahedron Letters</i> , 1985, 26, 2059-2062.	0.7	19
26	Ribosylation of Pyrimidine 2'-Deoxynucleosides. <i>Nucleosides & Nucleotides</i> , 1996, 15, 1323-1334.	0.5	19
27	Disaccharide nucleosides as an important group of natural compounds. <i>Molecular Biology</i> , 2009, 43, 301-312.	0.4	19
28	Cytokinin activity of N6-benzyladenine derivatives assayed by interaction with the receptors in planta, in vitro, and in silico. <i>Phytochemistry</i> , 2018, 149, 161-177.	1.4	19
29	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. <i>Journal of Organic Chemistry</i> , 1992, 57, 4122-4126.	1.7	18
30	Phosphoramidite building blocks for efficient incorporation of 2'-O-aminoethoxy (and propoxy) methyl nucleosides into oligonucleotides. <i>Tetrahedron</i> , 2008, 64, 6238-6251.	1.0	18
31	N6-substituted adenosines. Cytokinin and antitumor activities. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1361-1378.	1.0	18
32	Novel group of tyrosyl-DNA-phosphodiesterase 1 inhibitors based on disaccharide nucleosides as drug prototypes for anti-cancer therapy. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1415-1429.	2.5	18
33	Quantitative Prediction of Yield in Transglycosylation Reaction Catalyzed by Nucleoside Phosphorylases. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3090-3096.	2.1	18
34	Epimerization during the acetolysis of 3-O-acetyl-5-O-benzoyl-1,2-O-isopropylidene-3-C-methyl-β-D-ribofuranose. Synthesis of 3'-C-methylnucleosides with the β-D-ribo- and β-D-arabino configurations. <i>Carbohydrate Research</i> , 1988, 181, 77-88.	1.1	17
35	Disaccharide nucleosides and oligonucleotides on their basis. New tools for the study of enzymes of nucleic acid metabolism. <i>Biochemistry (Moscow)</i> , 2002, 67, 1136-1144.	0.7	17
36	Synthesis and Properties of Some 2'-O-d-Ribofuranosyl-nucleosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 481-484.	0.4	16

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37	Fluorination of Naturally Occurring N6-Benzyladenosine Remarkably Increased Its Antiviral Activity and Selectivity. <i>Molecules</i> , 2017, 22, 1219.	1.7	16
38	Synthesis of adenylyl-(2'â†'5')adenylyl-(2'â†'5')adenosine. <i>Collection of Czechoslovak Chemical Communications</i> , 1982, 47, 156-166.	1.0	16
39	Convenient Synthesis of Partially Blocked Oxidized-Reduced Nucleosides. <i>Synthesis</i> , 1985, 1985, 399-400.	1.2	15
40	Substrate specificity of <i>Escherichia coli</i> thymidine phosphorylase. <i>Biochemistry (Moscow)</i> , 2007, 72, 21-28.	0.7	15
41	Facile Synthesis of 8-Azido-6-Benzylaminopurine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 503-511.	0.4	15
42	Biodegradable scaffolds based on chitosan: Preparation, properties, and use for the cultivation of animal cells. <i>Applied Biochemistry and Microbiology</i> , 2016, 52, 515-524.	0.3	15
43	Fundamental Aspects of Xanthene Dye Aggregation on the Surfaces of Nanocluster Polyoxometalates: Hâ†to Jâ†Aggregate Switching. <i>Chemistry - A European Journal</i> , 2020, 26, 5685-5693.	1.7	15
44	Title is missing!. <i>Helvetica Chimica Acta</i> , 2000, 83, 1278-1289.	1.0	14
45	Synthesis and Properties of O-â†-D-Ribofuranosyl-(1â†-2â†)-Adenosine-5â†-O-Phosphate and Its Derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1847-1859.	0.4	14
46	Title is missing!. <i>Molecular Biology</i> , 2001, 35, 717-729.	0.4	14
47	Poly(ADP-Ribose)â†A Unique Natural Polymer Structural Features, Biological Role and Approaches to the Chemical Synthesis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2015, 34, 258-276.	0.4	14
48	Formation of Trisaccharide Nucleosides During Disaccharide Nucleoside Synthesis. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2193-2199.	1.2	13
49	High-synconformation of uridine and asymmetry of the hexameric molecule revealed in the high-resolution structures of <i>Shewanella oneidensis</i> MR-1 uridine phosphorylase in the free form and in complex with uridine. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 3310-3319.	2.5	13
50	Enzymatic Synthesis of 2â†-Deoxyribose 1â†-Phosphate and Ribose 1 Phosphate and Subsequent Preparation of Nucleosides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6999-7004.	1.2	13
51	Synthesis and Physico-chemical Properties of Dioxolane Nucleoside Analogues.. <i>Acta Chemica Scandinavica</i> , 1992, 46, 1122-1126.	0.7	13
52	Transient protection in nucleoside synthesis using trityl groups: is it necessary to block hydroxyl groups?. <i>Carbohydrate Research</i> , 1990, 203, 324-329.	1.1	12
53	Use of 4-Thiouridine and 4-Thiothymidine in Studies on Pyrimidine Nucleoside Phosphorylases. <i>Molecular Biology</i> , 2004, 38, 770-776.	0.4	12
54	Poly(ADP-ribose): From chemical synthesis to drug design. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3395-3403.	1.0	12

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55	An additional 2'-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, 681-684.	1.0	11
56	Synthesis of RNA Containing O ² -D-Ribofuranosyl-(1 \rightarrow 2)-adenosine-5-phosphate and 1-Methyladenosine. Minor Components of tRNA. <i>Chemistry and Biodiversity</i> , 2005, 2, 1153-1163.	1.0	11
57	Regioselective 1-N-Alkylation and Rearrangement of Adenosine Derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2015, 34, 475-499.	0.4	11
58	Peculiarities of obtaining biocompatible films based on chitosan cross linked by genipin. <i>Polymer Science - Series D</i> , 2017, 10, 189-193.	0.2	11
59	Anti-HIV Activities of Intramolecular G4 and Non-G4 Oligonucleotides. <i>Nucleic Acid Therapeutics</i> , 2017, 27, 56-66.	2.0	11
60	A role for 3'-O ² -D-ribofuranosyladenosine in altering plant immunity. <i>Phytochemistry</i> , 2019, 157, 128-134.	1.4	11
61	Inhibition of growth of estrogen receptor positive and estrogen receptor negative breast cancer cells in culture by AA-etherA, a stable 2-5A derivative. <i>Oncogene</i> , 1996, 12, 827-37.	2.6	11
62	Nucleosides; XLII. A Simple Synthesis of Pyrimidine \pm -Nucleosides via Direct Glycosylation. <i>Synthesis</i> , 1985, 1985, 397-399.	1.2	10
63	A new scheme for the synthesis of 5'-nucleotide phosphonate analogs. <i>Tetrahedron Letters</i> , 1987, 28, 3623-3626.	0.7	10
64	A route to 2',5'-oligoadenylates with increased stability towards phosphodiesterases. <i>FEBS Letters</i> , 1988, 236, 325-328.	1.3	10
65	Kinetics of mutual isomerization of the phosphonate analogs of dinucleoside 2',5'- and 3',5'-monophosphates in aqueous solution. <i>Journal of Organic Chemistry</i> , 1993, 58, 1617-1619.	1.7	10
66	Additional evidence for the exceptional mechanism of the acid-catalysed hydrolysis of 4-oxypyrimidine nucleosides: hydrolysis of 1-(1-alkoxyalkyl)uracils, seconucleosides, 3'-C-alkyl nucleosides and nucleoside 3',5'-cyclic monophosphates. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 309-314.	0.9	9
67	Oligodeoxyribonucleosides Containing 1 ² -D-Glucopyranosylthymine Synthesis and Substrate Properties. <i>Nucleosides & Nucleotides</i> , 1996, 15, 1619-1634.	0.5	9
68	Synthesis and Properties of O ² -D-ribofuranosyl-(1 \rightarrow 2)-guanosine-5-phosphate and its Derivatives. <i>Helvetica Chimica Acta</i> , 2003, 86, 504-514.	1.0	9
69	Effective Anomerisation of 2'-Deoxyadenosine Derivatives During Disaccharide Nucleoside Synthesis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1849-1864.	0.4	9
70	Oligodeoxynucleotides Containing 2'-Deoxy-1-methyladenosine and Dimroth Rearrangement. <i>Helvetica Chimica Acta</i> , 2007, 90, 928-937.	1.0	9
71	Sorption of Eu(III) from solutions of covalently cross-linked chitosan cryogels. <i>Fibre Chemistry</i> , 2011, 42, 364-369.	0.0	9
72	N ⁶ -(benzyloxymethyl)adenosine is a novel anticytokinin, an antagonist of cytokinin receptor CRE1/AHK4 of Arabidopsis. <i>Doklady Biochemistry and Biophysics</i> , 2012, 444, 178-181.	0.3	9

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73	Use of nucleoside phosphorylases for the preparation of 5-modified pyrimidine ribonucleosides. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140292.	1.1	9
74	Non-glycosidic analogues of nucleotides: 2â€²(R),3â€²(S),5â€²-trihydroxypentyl derivatives of adenine and cytosine. <i>Tetrahedron</i> , 1976, 32, 2409-2415.	1.0	8
75	AFFINITY MODIFICATION OF E _{co} RII 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, 753-764.	0.4	8
76	Inhibition of Poly(ADP-Ribose) Polymerase by Nucleic Acid Metabolite 7-Methylguanine. <i>Acta Naturae</i> , 2016, 8, 108-15.	1.7	8
77	Nucleotides. Part XXXV. Synthesis of 3?-deoxyadenylyl-(2?-5?)-3?-deoxyadenylyl-(2?-?)9-(?-hydroxyalkyl)adenines. <i>Helvetica Chimica Acta</i> , 1991, 74, 887-891.	1.0	7
78	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. <i>Nucleosides & Nucleotides</i> , 1991, 10, 339-343.	0.5	7
79	Dioxolane nucleosides and their phosphonate derivatives: synthesis and hydrolytic stability. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 1409-1415.	0.9	7
80	Probing the Mval Methyltransferase Region that Interacts with DNA: Affinity Labeling with the Dialdehyde-Containing DNA Duplexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1805-1820.	0.4	7
81	Synthesis and Properties of Phosphorylated 3â€²-O-Î²-D-Ribofuranosyl-2â€²-deoxythymidine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 359-371.	0.4	7
82	N6-Acetyl-2â€²,3â€²,5â€²-tri-O-acetyladenosine; A Convenient, â€œMissed Outâ€™ Substrate for Regioselective N6-Alkylations. <i>Synthesis</i> , 2011, 2011, 2483-2489.	1.2	7
83	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. <i>Molecular Biology</i> , 2012, 46, 457-466.	0.4	7
84	Inhibition of Tyrosyl-DNA Phosphodiesterase 1 by Lipophilic Pyrimidine Nucleosides. <i>Molecules</i> , 2020, 25, 3694.	1.7	7
85	Strained Conformations of Nucleosides in Active Sites of Nucleoside Phosphorylases. <i>Biomolecules</i> , 2020, 10, 552.	1.8	7
86	Free-conformational analogues of nucleotides and oligonucleotides derived from 9-[1',5'-dihydroxy-4'(S)-hydroxymethyl-3'-oxapent-2'(R)-yl]adenine. <i>Collection of Czechoslovak Chemical Communications</i> , 1975, 40, 3399-3403.	1.0	7
87	Interconversion and Hydrolysis of 1-[(2'S)-2',3'-Dihydroxypropyl]cytosine Analogues of Isomeric Dinucleoside Monophosphates, 2',5'-CpA and 3',5'-CpA.. <i>Acta Chemica Scandinavica</i> , 1993, 47, 622-625.	0.7	7
88	Disaccharide Nucleosides And Their Enzymatic And Chemical Incorporation Into Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1998, 17, 1681-1684.	0.5	6
89	Fluorescent 2-Pyrimidinone Nucleoside in Parallel-Stranded DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1499-1503.	0.4	6
90	Synthesis of Oligoribonucleotides Containing Pyrimidine 2'-O-[(Hydroxyalkoxy)methyl]ribonucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 804-819.	1.0	6

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91	Modification of chitosan cryogels by pyridoxal phosphate to improve sorption capacity. <i>Fibre Chemistry</i> , 2012, 43, 426-432.	0.0	6
92	Chemoenzymatic synthesis of cytokinins from nucleosides: ribose as a blocking group. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2156-2163.	1.5	6
93	Determination of the nucleotide conformation in the productive enzyme-substrate complexes of RNA-depolymerases. <i>FEBS Letters</i> , 1997, 404, 169-172.	1.3	5
94	Synthesis of <i>O</i> - β -D-Ribofuranosyl-(1 \rightarrow 2)-adenosine-5-phosphate. <i>Nucleosides & Nucleotides</i> , 1999, 18, 623-624.	0.5	5
95	Substrate Specificity of Thymidine Phosphorylase of <i>E. Coli</i> : Role of Hydroxyl Groups. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008, 27, 1211-1214.	0.4	5
96	Substrate specificity of <i>E. coli</i> uridine phosphorylase. Further evidences of high-syn conformation of the substrate in uridine phosphorolysis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2017, 36, 107-121.	0.4	5
97	Nucleoside Inhibitors of Coronaviruses. <i>Current Medicinal Chemistry</i> , 2021, 28, 5284-5310.	1.2	5
98	Synthesis of disaccharide nucleosides and their incorporation into oligonucleotides. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 206-209.	1.0	5
99	Disaccharide nucleosides and oligonucleotides on their basis. , 2002, , .		5
100	Acyclic Nucleoside and Nucleotide Analogues with Amide Bond. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 373-375.	0.4	4
101	Substrate properties of α -methyl UTP derivatives in T7 RNA polymerase reactions. Evidence for N-type NTP conformation. <i>FEBS Letters</i> , 1997, 400, 263-266.	1.3	4
102	Synthesis and Properties of Novel NTP Derivatives. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1013-1014.	0.5	4
103	Studies on Disaccharide Nucleoside Synthesis. Mechanism of the Formation of Trisaccharide Purine Nucleosides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 691-692.	0.5	4
104	Synthesis and Conformational Properties of <i>O</i> - β -D-Ribofuranosyl-(1 \rightarrow 2)-guanosine and (Adenosine)-5-phosphate. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1109-1111.	0.4	4
105	Cleavage of DNA without loss of genetic information by incorporation of a disaccharide nucleoside. <i>Nucleic Acids Research</i> , 2003, 31, 6758-6769.	6.5	4
106	2-O-Hydroxyalkoxymethylribonucleosides and their Incorporation into Oligoribonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1509-1512.	0.4	4
107	Perspectives in Medicinal Chemistry. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 2725-2726.	1.0	4
108	Synthesis of <i>N</i> ⁶ -Substituted Adenosines as Cytokinin Nucleosides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2018, 72, 14.15.1-14.15.16.	0.5	4

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109	Synthesis of modified terminator (UGA) and initiator (AUG) codons containing some hydroxyalkyl analogues of nucleosides. Collection of Czechoslovak Chemical Communications, 1975, 40, 2353-2363.	1.0	4
110	Synthesis of deoxyuridylyl-(3'â†'5')-ribonucleoside [P-(2-hydroxyethyl) esters]. Collection of Czechoslovak Chemical Communications, 1975, 40, 3739-3742.	1.0	4
111	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
112	Synthesis of Dioxolane Analogues of Dideoxynucleotides and Their Substrate Properties in DNA Synthesis Reactions. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 727-729.	0.4	3
113	Title is missing!. Russian Journal of Bioorganic Chemistry, 2002, 28, 50-57.	0.3	3
114	Synthesis of 2â€²â€•O â€†â€•d â€†Ribofuranosylnucleosides. Current Protocols in Nucleic Acid Chemistry, 2006, 27, Unit 1.14.	0.5	3
115	Physicochemical characterization of uridine phosphorylase from <i>Shewanella oneidensis</i> MR-1. Doklady Biochemistry and Biophysics, 2013, 451, 187-189.	0.3	3
116	Stereoselective Synthesis of 2â€²-O-â€†-D-Ribofuranosyluridine, A Structural Fragment of Hellecaucaside A. Chemistry of Natural Compounds, 2015, 51, 256-260.	0.2	3
117	Synthesis of Cytokinins via Enzymatic Arsenolysis of Purine Nucleosides. Current Protocols in Nucleic Acid Chemistry, 2018, 75, e61.	0.5	3
118	Distinct Peculiarities of In Planta Synthesis of Isoprenoid and Aromatic Cytokinins. Biomolecules, 2020, 10, 86.	1.8	3
119	Synthesis and CD spectrum of 5-(adenin-9-yl)-2-(adenosin-5'-yloxy)-2-oxo-1,3,2-dioxaphosphorinane (adenosine 5'-phosphate 9-(1',3'-dihydroxy-2'-propyl)adenine 1',3'-cyclic ester). Collection of Czechoslovak Chemical Communications, 1975, 40, 3080-3085.	1.0	3
120	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
121	Oligonucleotides with Reactive Dialdehyde Groups as Novel Affinity Reagents. Nucleosides & Nucleotides, 1999, 18, 1469-1470.	0.5	2
122	Gel formation in polymeric composites for modification of fibrous materials. Fibre Chemistry, 2011, 43, 129-133.	0.0	2
123	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.	0.2	2
124	Comparative Analysis of the Biosynthesis of Isoprenoid and Aromatic Cytokinins. Doklady Biochemistry and Biophysics, 2019, 488, 346-349.	0.3	2
125	Stereospecific synthesis of 2'-O-â€†-D-ribofuranosylnucleosides. , 2008, , .		2
126	Further improvements in disaccharide synthesis: synthesis of 2â€™-O-â€†-D-ribofuranosyladenosine and its derivatives. , 2014, , .		2

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127	Synthesis of \pm -D-Ribose 1-Phosphate and 2-Deoxy \pm -D-Ribose 1-Phosphate Via Enzymatic Phosphogolysis of 7-Methylguanosine and 7-Methyldeoxyguanosine. <i>Current Protocols</i> , 2022, 2, e347.	1.3	2
128	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. <i>Molecules</i> , 2022, 27, 2433.	1.7	2
129	Nonglycoside analogs of nucleotides. <i>Chemistry of Heterocyclic Compounds</i> , 1975, 11, 108-113.	0.6	1
130	Synthesis of enantiomers of 3 β ,4 β -seco-2 β -desoxythymidine. <i>Chemistry of Heterocyclic Compounds</i> , 1988, 24, 778-782.	0.6	1
131	Acyclic analogs of nucleosides. Synthesis of 1,5-dihydroxy-3-oxa-2-pentyl derivatives of nucleic bases. <i>Chemistry of Heterocyclic Compounds</i> , 1988, 24, 186-191.	0.6	1
132	Acyclic analogs of nucleosides. Synthesis of chiral 1,5-dihydroxy-4-methyl-3-oxapent-2-yl derivatives of uracil. <i>Chemistry of Heterocyclic Compounds</i> , 1988, 24, 75-78.	0.6	1
133	Functionally Competent Analogs and Their Use for the Determination of Nucleotide Conformation in the Productive Enzyme-Substrate Complexes. <i>Nucleosides & Nucleotides</i> , 1998, 17, 1915-1918.	0.5	1
134	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. <i>Origins of Life and Evolution of Biospheres</i> , 2002, 32, 303-310.	0.8	1
135	Oligonucleotides Containing Disaccharide Nucleosides: Synthesis, Physicochemical, and Substrate Properties. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1117-1118.	0.4	1
136	Dinucleoside Monophosphates Containing AZT and 1-Methyladenosine or 7-Methylguanosine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 853-855.	0.4	1
137	Chemical Incorporation of 1-Methyladenosine, Minor tRNA Component, into Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1113-1115.	0.4	1
138	Interaction of HIV-1 Reverse Transcriptase with Modified Oligonucleotide Primers Containing 2 β -O-D-Ribofuranosyladenosine. <i>Biochemistry (Moscow)</i> , 2004, 69, 130-136.	0.7	1
139	Disaccharide nucleosides: The crystal and molecular structure of 2 β -O- β -D-ribofuranosylcytidine. <i>Crystallography Reports</i> , 2005, 50, 395-399.	0.1	1
140	Incorporation of a disaccharide nucleoside into the backbone of double-stranded DNA: crystallization and preliminary X-ray diffraction. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 953-955.	0.7	1
141	Oligodeoxynucleotides Containing β -Methyl β -Deoxyadenosine and β -Methyl β -Deoxyadenosine. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2009, 38, 0.5 Unit 4.36 1-19.	0.5	1
142	A New Protocol for Selective Cleavage of Acyl Protecting Groups in 2 β -O-Modified 3 β ,5 β -O-(Tetraisopropylidisiloxane-1,3-diyl)ribonucleosides. <i>Synthesis</i> , 2010, 2010, 3827-3834.	1.2	1
143	Synthesis of Poly(ADP-Ribose) Monomer Containing 2 β -O- β -D-Ribofuranosyl Adenosine. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2019, 78, e92.	0.5	1
144	Synthesis and CD spectrum of adenosine 5'-phosphate bis[9-(4'-hydroxybutyl)adenine-4'] ester. <i>Collection of Czechoslovak Chemical Communications</i> , 1975, 40, 2191-2194.	1.0	1

#	ARTICLE	IF	CITATIONS
145	The synthesis of the analogues of ribooligonucleotides containing hydroxyalkyl derivatives of nucleic bases. Collection of Czechoslovak Chemical Communications, 1975, 40, 3734-3738.	1.0	1
146	Periodate oxidized derivatives of nucleosides and nucleotides as novel crosslinking reagents. , 2008, , .		1
147	Substrate specificity of E. coli uridine phosphorylase. Evidence of high-syn conformation of substrate. , 2014, , .		1
148	Syntheses of 3'-C-methyl-2'-deoxypyrimidine nucleosides. Collection of Czechoslovak Chemical Communications, 1990, 55, 25-28.	1.0	1
149	Regioselective incorporation of reactive dialdehyde groups into synthetic oligonucleotides. Collection of Czechoslovak Chemical Communications, 1996, 61, 210-212.	1.0	1
150	Simple method of obtaining 1-(?-D-arabinofuranosyl)-4-thiouracil and its phosphoric esters. Chemistry of Heterocyclic Compounds, 1973, 9, 1056-1056.	0.6	0
151	Nonglycoside analogs of nucleotides. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1974, 23, 2488-2493.	0.0	0
152	Nonglycoside analogs of nucleotides. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1974, 23, 2494-2497.	0.0	0
153	Synthesis of model compounds for studying the mechanism of the action of exonuclease A5. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1974, 23, 1294-1298.	0.0	0
154	Nonglycoside analogs of nucleotides. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1975, 24, 829-830.	0.0	0
155	Nonglycoside analogs of nucleotides. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1975, 24, 2183-2184.	0.0	0
156	Dinucleoside monophosphates based on 1-(3-hydroxypropyl)-uracil. Chemistry of Heterocyclic Compounds, 1975, 11, 369-370.	0.6	0
157	Nonglycoside analogs of nucleotides. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1976, 25, 384-387.	0.0	0
158	Nonglycoside analogs of the nucleotides 12. Photoionization mass spectra of the hydroxy-alkyl derivatives of pyrimidine bases of nucleic acids. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1977, 26, 1667-1671.	0.0	0
159	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.	0.2	0
160	New chiral acyclic analogs of 2?-deoxynucleosides. Chemistry of Heterocyclic Compounds, 1988, 24, 673-677.	0.6	0
161	Convenient synthesis of 5?-methyl-2?-desoxyuridines. Chemistry of Heterocyclic Compounds, 1989, 25, 203-205.	0.6	0
162	Effects of 3â€²-C-Methylation on the Hydrolytic Stability and Hydroxyl pK _a Values of Dinucleoside 2â€²,5â€²- and 3â€²,5â€²-Monophosphates. Nucleosides & Nucleotides, 1998, 17, 1325-1331.		0

#	ARTICLE	IF	CITATIONS
163	Synthesis of 2'- and 3'-Methylribonucleosides. Current Protocols in Nucleic Acid Chemistry, 2007, 28, Unit 14.5.	0.5	0
164	Effective isomerization of 3', 5'-O-(tetraisopropylidisiloxane-1,3-diyl)nucleosides in the presence of trimethylsilyl trifluoromethanesulfonate. Arkivoc, 2009, 2009, 158-170.	0.3	0
165	Interaction of the ATP phosphonate analog (ppp[CH ₂]A) with different ligases. Collection of Czechoslovak Chemical Communications, 1990, 55, 161-164.	1.0	0
166	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
167	Hexopyranosyl nucleoside 6'-triphosphates are not substrates for DNA polymerases. Nucleic Acids Symposium Series, 1991, , 17-8.	0.3	0
168	Perspectives in Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2016, , .	1.0	0