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	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
2	About mechanism of chitosan cross-linking with glutaraldehyde. Russian Journal of Bioorganic Chemistry, 2009, 35, 360-369.	1.0	158
3	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
4	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
5	Antiviral and Antimicrobial Nucleoside Derivatives: Structural Features and Mechanisms of Action. Molecular Biology, 2021, 55, 786-812.	1.3	37
6	Chemical incorporation of 1-methyladenosine into oligonucleotides. Nucleic Acids Research, 2002, 30, 1124-1131.	14.5	32
7	Detection of RNA Hybridization by Pyreneâ€Labeled Probes. ChemBioChem, 2009, 10, 1175-1185.	2.6	32
8	New syntheses of 2â€²-C-methylnucleosides starting from d-glucose and d-ribose. Carbohydrate Research, 1987, 166, 219-232.	2.3	30
9	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
10	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
11	Synthesis and properties of 3â€²-C-methylnucleosides and their phosphoric esters. Carbohydrate Research, 1983, 124, 75-96.	2.3	26
12	New tools in nucleoside toolbox of tick-borne encephalitis virus reproduction inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1267-1273.	2.2	26
13	Solid-Supported 2â€²-O-Glycoconjugation of Oligonucleotides by Azidation and Click Reactions. Bioconjugate Chemistry, 2011, 22, 1249-1255.	3.6	24
14	Cytokinin Nucleosides - Natural Compounds with a Unique Spectrum of Biological Activities. Current Topics in Medicinal Chemistry, 2016, 16, 2562-2576.	2.1	24
15	Branched-chain sugar nucleosides. Synthesis of 3â€²-C-ethyl (and 3â€²-C-butyl)uridine. Carbohydrate Research, 1980, 79, 235-242.	2.3	23
16	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
17	Synthesis of 2â€²-O-Î±-d-ribofuranosyladenosine, monomeric unit of poly(ADPâ€“ribose). Tetrahedron, 2008, 64, 2871-2876.	1.9	23
18	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

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19	Oligonucleotides Containing Disaccharide Nucleosides. Helvetica Chimica Acta, 2001, 84, 2387-2397.	1.6	22
20	Disaccharide Nucleosides and their Incorporation into Oligonucleotides. Current Organic Chemistry, 2007, 11, 337-354.	1.6	22
21	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
22	Mapping of T7 RNA polymerase active site with novel reagents - oligonucleotides with reactive dialdehyde groups. FEBS Letters, 1999, 442, 20-24.	2.8	21
23	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
24	Use of Nucleoside Phosphorylases for the Preparation of Purine and Pyrimidine 2â€²â€Ðeoxynucleosides. Advanced Synthesis and Catalysis, 2018, 360, 305-312.	4.3	20
25	Synthesis of a new class of acyclic 2â€²,5â€²- and 3â€²,5â€²-oligonucleotide analogs based on 9-[1,5-dihydroxy-4(S)-hydroxymethyl-3-oxapent-2(R)-yl]-adenine. Tetrahedron Letters, 1985, 26, 2059-2062.	1.4	19
26	Ribosylation of Pyrimidine 2â€²-Deoxynucleosides. Nucleosides & Nucleotides, 1996, 15, 1323-1334.	0.5	19
27	Disaccharide nucleosides as an important group of natural compounds. Molecular Biology, 2009, 43, 301-312.	1.3	19
28	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
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.. Journal of Organic Chemistry, 1992, 57, 4122-4126.	3.2	18
30	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
31	N6-substituted adenosines. Cytokinin and antitumor activities. Collection of Czechoslovak Chemical Communications, 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. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1415-1429.	5.2	18
33	Quantitative Prediction of Yield in Transglycosylation Reaction Catalyzed by Nucleoside Phosphorylases. Advanced Synthesis and Catalysis, 2018, 360, 3090-3096.	4.3	18
34	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
35	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
36	Synthesis and Properties of Some 2'-O-d-Ribofuranosyl-nucleosides. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 481-484.	1.1	16

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37	Fluorination of Naturally Occurring N6-Benzyladenosine Remarkably Increased Its Antiviral Activity and Selectivity. Molecules, 2017, 22, 1219.	3.8	16
38	Synthesis of adenylyl-(2'â†'5')adenylyl-(2'â†'5')adenosine. Collection of Czechoslovak Chemical Communications, 1982, 47, 156-166.	1.0	16
39	Convenient Synthesis of Partially Blocked Oxidized-Reduced Nucleosides. Synthesis, 1985, 1985, 399-400.	2.3	15
40	Substrate specificity of Escherichia coli thymidine phosphorylase. Biochemistry (Moscow), 2007, 72, 21-28.	1.5	15
41	Facile Synthesis of 8-Azido-6-Benzylaminopurine. Nucleosides, Nucleotides and Nucleic Acids, 2011, 30, 503-511.	1.1	15
42	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
43	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
44	Title is missing!. Helvetica Chimica Acta, 2000, 83, 1278-1289.	1.6	14
45	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
46	Title is missing!. Molecular Biology, 2001, 35, 717-729.	1.3	14
47	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
48	Formation of Trisaccharide Nucleosides During Disaccharide Nucleoside Synthesis. European Journal of Organic Chemistry, 1998, 1998, 2193-2199.	2.4	13
49	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
50	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
51	Synthesis and Physico-chemical Properties of Dioxolane Nucleoside Analogues.. Acta Chemica Scandinavica, 1992, 46, 1122-1126.	0.7	13
52	Transient protection in nucleoside synthesis using trityl groups: is it necessary to block hydroxyl groups?. Carbohydrate Research, 1990, 203, 324-329.	2.3	12
53	Use of 4-Thiouridine and 4-Thiothymidine in Studies on Pyrimidine Nucleoside Phosphorylases. Molecular Biology, 2004, 38, 770-776.	1.3	12
54	Poly(ADP-ribose): From chemical synthesis to drug design. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3395-3403.	2.2	12

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55	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
56	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
57	Regioselective 1-N-Alkylation and Rearrangement of Adenosine Derivatives. Nucleosides, Nucleotides and Nucleic Acids, 2015, 34, 475-499.	1.1	11
58	Peculiarities of obtaining biocompatible films based on chitosan cross linked by genipin. Polymer Science - Series D, 2017, 10, 189-193.	0.6	11
59	Anti-HIV Activities of Intramolecular G4 and Non-G4 Oligonucleotides. Nucleic Acid Therapeutics, 2017, 27, 56-66.	3.6	11
60	A role for 3â€²-O-Î²-D-ribofuranosyladenosine in altering plant immunity. Phytochemistry, 2019, 157, 128-134.	2.9	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. Oncogene, 1996, 12, 827-37.	5.9	11
62	Nucleosides; XLI1. A Simple Synthesis of Pyrimidine Î±-Nucleosides via Direct Glycosylation. Synthesis, 1985, 1985, 397-399.	2.3	10
63	A new scheme for the synthesis of 5â€²-nucleotide phosphonate analogs. Tetrahedron Letters, 1987, 28, 3623-3626.	1.4	10
64	A route to 2â€²,5â€²-oligoadenylates with increased stability towards phosphodiesterases. FEBS Letters, 1988, 236, 325-328.	2.8	10
65	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
66	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
67	Oligodeoxyribonucleosides Containing 1-Î²-D-Glucopyranosylthymine Synthesis and Substrate Properties. Nucleosides & Nucleotides, 1996, 15, 1619-1634.	0.5	9
68	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
69	Effective Anomerisation of 2â€²â€Deoxyadenosine Derivatives During Disaccharide Nucleoside Synthesis. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1849-1864.	1.1	9
70	Oligodeoxynucleotides Containing 2â€²-Deoxy-1-methyladenosine andDimroth Rearrangement. Helvetica Chimica Acta, 2007, 90, 928-937.	1.6	9
71	Sorption of Eu(III) from solutions of covalently cross-linked chitosan cryogels. Fibre Chemistry, 2011, 42, 364-369.	0.2	9
72	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

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73	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
74	Non-glycosidic analogues of nucleotides: 2â€²(R),3â€²(S),5â€²-trihydroxypentyl derivatives of adenine and cytosine. Tetrahedron, 1976, 32, 2409-2415.	1.9	8
75	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
76	Inhibition of Poly(ADP-Ribose) Polymerase by Nucleic Acid Metabolite 7-Methylguanine. Acta Naturae, 2016, 8, 108-15.	1.7	8
77	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
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. Nucleosides & Nucleotides, 1991, 10, 339-343.	0.5	7
79	Dioxolane nucleosides and their phosphonate derivatives: synthesis and hydrolytic stability. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1409-1415.	0.9	7
80	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
81	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
82	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
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. Molecular Biology, 2012, 46, 457-466.	1.3	7
84	Inhibition of Tyrosyl-DNA Phosphodiesterase 1 by Lipophilic Pyrimidine Nucleosides. Molecules, 2020, 25, 3694.	3.8	7
85	Strained Conformations of Nucleosides in Active Sites of Nucleoside Phosphorylases. Biomolecules, 2020, 10, 552.	4.0	7
86	Free-conformational analogues of nucleotides and oligonucleotides derived from 9-[1',5'-dihydroxy-4'(S)-hydroxymethyl-3'-oxapent-2'(R)-yl]adenine. Collection of Czechoslovak Chemical Communications, 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.. Acta Chemica Scandinavica, 1993, 47, 622-625.	0.7	7
88	Disaccharide Nucleosides And Their Enzymatic And Chemical Incorporation Into Oligonucleotides. Nucleosides & Nucleotides, 1998, 17, 1681-1684.	0.5	6
89	Fluorescent 2-Pyrimidinone Nucleoside in Parallel-Stranded DNA. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1499-1503.	1.1	6
90	Synthesis of Oligoribonucleotides Containing Pyrimidine 2'-O-[(Hydroxyalkoxy)methyl]ribonucleosides. Collection of Czechoslovak Chemical Communications, 2006, 71, 804-819.	1.0	6

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91	Modification of chitosan cryogels by pyridoxal phosphate to improve sorption capacity. Fibre Chemistry, 2012, 43, 426-432.	0.2	6
92	Chemoenzymatic synthesis of cytokinins from nucleosides: ribose as a blocking group. Organic and Biomolecular Chemistry, 2018, 16, 2156-2163.	2.8	6
93	Determination of the nucleotide conformation in the productive enzyme-substrate complexes of RNA-depolymerases. FEBS Letters, 1997, 404, 169-172.	2.8	5
94	Synthesis ofO-Î²-D-Ribofuranosyl-(1â€³-2â€²)-adenosine-5â€³-O-phosphate. Nucleosides & Nucleotides, 1999, 18, 623-624.	0.5	5
95	Substrate Specificity of Thymidine Phosphorylase ofE. Coli: Role of Hydroxyl Groups. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 1211-1214.	1.1	5
96	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
97	Nucleoside Inhibitors of Coronaviruses. Current Medicinal Chemistry, 2021, 28, 5284-5310.	2.4	5
98	Synthesis of disaccharide nucleosides and their incorporation into oligonucleotides. Collection of Czechoslovak Chemical Communications, 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. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 373-375.	1.1	4
101	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
102	Synthesis and Properties of Novel NTP Derivatives. Nucleosides & Nucleotides, 1999, 18, 1013-1014.	0.5	4
103	Studies on Disaccharide Nucleoside Synthesis. Mechanism of the Formation of Trisaccharide Purine Nucleosides. Nucleosides & Nucleotides, 1999, 18, 691-692.	0.5	4
104	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
105	Cleavage of DNA without loss of genetic information by incorporation of a disaccharide nucleoside. Nucleic Acids Research, 2003, 31, 6758-6769.	14.5	4
106	2â€²-O-Hydroxyalkoxymethylribonucleosides and their Incorporation into Oligoribonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1509-1512.	1.1	4
107	Perspectives in Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2016, 16, 2725-2726.	2.1	4
108	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

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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.	1.1	3
113	Title is missing!. Russian Journal of Bioorganic Chemistry, 2002, 28, 50-57.	1.0	3
114	Synthesis of 2â€²â€•O â€Î²â€•d â€Ribofuranosylnucleosides. Current Protocols in Nucleic Acid Chemistry, 2006, 27, Unit 1.14.	0.5	3
115	Physicochemical characterization of uridine phosphorylase from Shewanella oneidensis MR-1. Doklady Biochemistry and Biophysics, 2013, 451, 187-189.	0.9	3
116	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
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.	4.0	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.	0.2	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.	0.4	2
124	Comparative Analysis of the Biosynthesis of Isoprenoid and Aromatic Cytokinins. Doklady Biochemistry and Biophysics, 2019, 488, 346-349.	0.9	2
125	Stereospecific synthesis of 2'-O-Î±-D-ribofuranosylnucleosides. , 2008, , .		2
126	Further improvements in disaccharide synthesis: synthesis of 2â€™-O-Î±-D-ribofuranosyladenosine and its derivatives. , 2014, , .		2

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127	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
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. Molecules, 2022, 27, 2433.	3.8	2
129	Nonglycoside analogs of nucleotides. Chemistry of Heterocyclic Compounds, 1975, 11, 108-113.	1.2	1
130	Synthesis of enantiomers of 3?,4?-seco-2?-desoxythymidine. Chemistry of Heterocyclic Compounds, 1988, 24, 778-782.	1.2	1
131	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
132	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
133	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
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. Origins of Life and Evolution of Biospheres, 2002, 32, 303-310.	1.9	1
135	Oligonucleotides Containing Disaccharide Nucleosides: Synthesis, Physicochemical, and Substrate Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1117-1118.	1.1	1
136	Dinucleoside Monophosphates Containing AZT and 1-Methyladenosine or 7-Methylguanosine. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 853-855.	1.1	1
137	Chemical Incorporation of 1-Methyladenosine, Minor tRNA Component, into Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1113-1115.	1.1	1
138	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
139	Disaccharide nucleosides: The crystal and molecular structure of 2â€²-O-Î²-D-ribopyranosylcytidine. Crystallography Reports, 2005, 50, 395-399.	0.6	1
140	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
141	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
142	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
143	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
144	Synthesis and CD spectrum of adenosine 5'-phosphate bis[9-(4'-hydroxybutyl)adenine-4'] ester. Collection of Czechoslovak Chemical Communications, 1975, 40, 2191-2194.	1.0	1

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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
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