Sergey Kochetkov

List of Publications by Year
in descending order

174	3,110	257450	214800
papers	citations	24 h-index	47 g-index

195	195	195	3817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redox Biology of Respiratory Viral Infections. Viruses, 2018, 10, 392.	3.3	290
2	Oxidative Stress during HIV Infection: Mechanisms and Consequences. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-18.	4.0	248
3	HCV and Oxidative Stress in the Liver. Viruses, 2013, 5, 439-469.	3.3	175
4	Hepatitis C Virus Proteins Activate NRF2/ARE Pathway by Distinct ROS-Dependent and Independent Mechanisms in HUH7 Cells. PLoS ONE, 2011, 6, e24957.	2.5	138
5	Oxidative stress, a trigger of hepatitis C and B virus-induced liver carcinogenesis. Oncotarget, 2017, 8, 3895-3932.	1.8	126
6	Human herpes simplex virus: Life cycle and development of inhibitors. Biochemistry (Moscow), 2014, 79, 1635-1652.	1.5	107
7	HCV Core Protein Uses Multiple Mechanisms to Induce Oxidative Stress in Human Hepatoma Huh7 Cells. Viruses, 2015, 7, 2745-2770.	3.3	71
8	Antiviral Properties, Metabolism, and Pharmacokinetics of a Novel Azolo-1,2,4-Triazine-Derived Inhibitor of Influenza A and B Virus Replication. Antimicrobial Agents and Chemotherapy, 2010, 54, 2017-2022.	3.2	64
9	Development of the system ensuring a high-level expression of hepatitis C virus nonstructural NS5B and NS5A proteins. Protein Expression and Purification, 2006, 48, 14-23.	1.3	53
10	The synthesis and antituberculosis activity of 5â€²-nor carbocyclic uracil derivatives. Bioorganic and Medicinal Chemistry, 2012, 20, 6680-6686.	3.0	49
11	Chemically induced oxidative stress increases polyamine levels by activating the transcription of ornithine decarboxylase and spermidine/spermine-N1-acetyltransferase in human hepatoma HUH7 cells. Biochimie, 2012, 94, 1876-1883.	2.6	49
12	Hepatitis C Virus NS5A Protein Triggers Oxidative Stress by Inducing NADPH Oxidases 1 and 4 and Cytochrome P450 2E1. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	46
13	Inhibition of Mycobacterium tuberculosis strains H37Rv and MDR MS-115 by a new set of C5 modified pyrimidine nucleosides. Bioorganic and Medicinal Chemistry, 2013, 21, 4874-4884.	3.0	41
14	Oxidative stress induced by HIV-1 reverse transcriptase modulates the enzymeâ€™s performance in gene immunization. Human Vaccines and Immunotherapeutics, 2013, 9, 2111-2119.	3.3	41
15	Studies on the Mechanism of Action of Histone Kinase Dependent on Adenosine 3':5'-Monophosphate. Evidence for Involvement of Histidine and Lysine Residues in the Phosphotransferase Reaction. FEBS Journal, 1977, 81, 111-118.	0.2	38
16	Mutants of T7 RNA polymerase that are able to synthesize both RNA and DNA. FEBS Letters, 1995, 369, 165-168.	2.8	38
17	DNA-Encoding Enzymatically Active HIV-1 Reverse Transcriptase, but Not the Inactive Mutant, Confers Resistance to Experimental HIV-1 Challenge. Intervirology, 2000, 43, 288-293.	2.8	38
18	Recent studies of T7 RNA polymerase mechanism. FEBS Letters, 1998, 440, 264-267.	2.8	37

#	Article	IF	Citations
19	Structural-functional analysis of bacteriophage T7 RNA polymerase. Biochemistry (Moscow), 2002, 67, 1124-1135.	1.5	37
20	1-[2-(2-Benzoyl- and 2-benzylphenoxy)ethyl]uracils as potent anti-HIV-1 agents. Bioorganic and Medicinal Chemistry, 2011, 19, 5794-5802.	3.0	37
21	N1,N3-disubstituted uracils as nonnucleoside inhibitors of HIV-1 reverse transcriptase. Bioorganic and Medicinal Chemistry, 2013, 21, 1150-1158.	3.0	28
22	Synthesis and Biological Characterization of Novel Charge-Deficient Spermine Analogues. Journal of Medicinal Chemistry, 2010, 53, 5738-5748.	6.4	27
23	Lys631 residue in the active site of the bacteriophage T7 RNA polymerase. Affinity labeling and site-directed mutagenesis. FEBS Journal, 1991, 195, 841-847.	0.2	26
24	Polyamine Metabolism and Oxidative Protein Folding in the ER as ROS-Producing Systems Neglected in Virology. International Journal of Molecular Sciences, 2018, 19, 1219.	4.1	26
25	Synthesis and evaluation of C-5 modified 2â€²-deoxyuridine monophosphates as inhibitors of M. tuberculosis thymidylate synthase. Bioorganic and Medicinal Chemistry, 2015, 23, 7131-7137.	3.0	25
26	Structure and aminoacylation capacities of tRNA transcripts containing deoxyribonucleotides. Rna, 1997, 3, 893-904.	3.5	25
27	Hepatitis C virus alters metabolism of biogenic polyamines by affecting expression of key enzymes of their metabolism. Biochemical and Biophysical Research Communications, 2017, 483, 904-909.	2.1	24
28	Novel inhibitors ofMycobacterium tuberculosisgrowth based on modified pyrimidine nucleosides and their analogues. Russian Chemical Reviews, 2013, 82, 896-915.	6.5	23
29	Mapping of T7 RNA polymerase active site with novel reagents - oligonucleotides with reactive dialdehyde groups. FEBS Letters, 1999, 442, 20-24.	2.8	21
30	Phosphoramidate derivatives of acyclovir: Synthesis and antiviral activity in HIV-1 and HSV-1 models in vitro. Bioorganic and Medicinal Chemistry, 2012, 20, 5802-5809.	3.0	21
31	Selective inhibitor of histone deacetylase 6 (tubastatin A) suppresses proliferation of hepatitis C virus replicon in culture of human hepatocytes. Biochemistry (Moscow), 2014, 79, 637-642.	1.5	21
32	Selective Inhibition of Enterovirus A Species Membersâ€™ Reproduction by Furano[2,â€‰3â€²d]pyrimidine Nucleosides Revealed by Antiviral Activity Profiling against (+)ssRNA Viruses. ChemistrySelect, 2018, 3, 2321-2325.	1.5	21
33	HIV-1 Reverse Transcriptase Promotes Tumor Growth and Metastasis Formation via ROS-Dependent Upregulation of Twist. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-28.	4.0	21
34	Role of a histidine residue in the active site of cyclic AMP-dependent histone kinase. FEBS Letters, 1976, 71, 212-214.	2.8	20
35	Benzohydroxamic acids as potent and selective anti-HCV agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5936-5940.	2.2	20
36	Cultivation of Cells in a Physiological Plasmax Medium Increases Mitochondrial Respiratory Capacity and Reduces Replication Levels of RNA Viruses. Antioxidants, 2022, 11, 97.	5.1	20

#	Article	IF	Citations
37	Multisubunit RNA Polymerases Melt Only a Single DNA Base Pair Downstream of the Active Site. Journal of Biological Chemistry, 2007, 282, 21578-21582.	3.4	19
38	The Use of Novel C-Methylated Spermidine Derivatives To Investigate the Regulation of Polyamine Metabolism. Journal of Medicinal Chemistry, 2011, 54, 4611-4618.	6.4	19
39	Novel 5â€²-Norcarbocyclic Pyrimidine Derivatives as Antibacterial Agents. Molecules, 2018, 23, 3069.	3.8	19
40	Mutations Conferring Drug Resistance Affect Eukaryotic Expression of HIV Type 1 Reverse Transcriptase. AIDS Research and Human Retroviruses, 2004, 20, 191-201.	1.1	18
41	Specific features of HIV-1 integrase inhibition by bisphosphonate derivatives. European Journal of Medicinal Chemistry, 2014, 73, 73-82.	5.5	18
42	Hydroxylamine Analogue of Agmatine: Magic Bullet for Arginine Decarboxylase. Biomolecules, 2020, 10, 406.	4.0	18
43	Isolation of the regulatory subunit of pig-brain histone kinase by affinity chromatography on cyclic-AMP-containing adsorbent. FEBS Letters, 1974, 49, 61-64.	2.8	17
44	Inhibition of the helicase activity of the HCV NS3 protein by symmetrical dimeric bis-benzimidazoles. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5331-5335.	2.2	17
45	5-(4-alkyl-1,2,3-triazol-1-yl)methyl derivatives of 2â€²-deoxyuridine as inhibitors of viral and bacterial growth. Russian Journal of Bioorganic Chemistry, 2016, 42, 677-684.	1.0	17
46	Interactions of the HIV-1 reverse transcriptase â€˜AZT-resistantâ€™ mutant with substrates and AZT-TP. FEBS Letters, 1993, 325, 237-241.	2.8	16
47	Eukaryotic expression of enzymatically active human immunodeficiency virus type 1 reverse transcriptase. FEBS Letters, 1999, 447, 232-236.	2.8	16
48	Immunogenic Properties of Reverse Transcriptase of HIV Type 1 Assessed by DNA and Protein Immunization of Rabbits. AIDS Research and Human Retroviruses, 2000, 16, 1269-1280.	1.1	16
49	Inhibition of HIV-1 reverse transcriptase by aryl-substituted naphto- and anthraquinones. Doklady Biochemistry and Biophysics, 2002, 382, 56-59.	0.9	16
50	Novel convenient synthesis of biologically active esters of hydroxylamine. Amino Acids, 2010, 38, 509-517.	2.7	16
51	Deoxyribonucleotide-containing RNAs: a novel class of templates for HIV- 1 reverse transcriptase. Nucleic Acids Research, 1997, 25, 4614-4618.	14.5	15
52	Pyridine hydroxamic acids are specific anti-HCV agents affecting HDAC6. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 2382-2385.	2.2	15
53	Title is missing!. Molecular Biology, 2001, 35, 717-729.	1.3	14
54	Non-hydrolysable analogues of inorganic pyrophosphate as inhibitors of hepatitis C virus RNA-dependent RNA-polymerase. Russian Journal of Bioorganic Chemistry, 2012, 38, 224-229.	1.0	14

#	Article	IF	Citations
55	Scaffold hopping: Exploration of acetanilide-containing uracil analogues as potential NNRTIs. Bioorganic and Medicinal Chemistry, 2015, 23, 1069-1081.	3.0	14
56	Synthesis of water-soluble prodrugs of 5-modified 2Ê¹-deoxyuridines and their antibacterial activity. Journal of Antibiotics, 2020, 73, 236-246.	2.0	14
57	Gene immunization may induce secondary antibodies reacting with DNA. Vaccine, 2004, 22, 1576-1585.	3.8	13
58	Biogenic polyamines spermine and spermidine activate RNA polymerase and inhibit RNA helicase of hepatitis C virus. Biochemistry (Moscow), 2012, 77, 1172-1180.	1.5	13
59	Synthesis and Antiâ€HIV Properties of New Carbamate Prodrugs of AZT. Chemical Biology and Drug Design, 2012, 80, 947-952.	3.2	13
60	Activation of Polyamine Catabolism by N1,N11-Diethylnorspermine in Hepatic HepaRG Cells Induces Dedifferentiation and Mesenchymal-Like Phenotype. Cells, 2018, 7, 275.	4.1	13
61	Inactivation of bacteriophage T7 DNA-dependent RNA polymerase by 5'-p-fluorosulfonylbenzoyladenosine. Identification of the modification site and the effect of the modification on enzyme action. FEBS Journal, 1990, 191, 99-103.	0.2	12
62	Synthesis of mixed ribo/deoxyribopolynucleotides by mutant T7 RNA polymerase. FEBS Letters, 1998, 439, 302-306.	2.8	12
63	Potent cross-reactive immune response against the wild-type and drug-resistant forms of HIV reverse transcriptase after the chimeric gene immunization. Vaccine, 2010, 28, 1975-1986.	3.8	12
64	Enantiomers of 3-Methylspermidine Selectively Modulate Deoxyhypusine Synthesis and Reveal Important Determinants for Spermidine Transport. ACS Chemical Biology, 2015, 10, 1417-1424.	3.4	12
65	Investigation of 5â€™-Norcarbocyclic Nucleoside Analogues as Antiprotozoal and Antibacterial Agents. Molecules, 2019, 24, 3433.	3.8	12
66	Synthesis of Nâ€²-propylhydrazide analogs of hydroxamic inhibitors of histone deacetylases (HDACs) and evaluation of their impact on activities of HDACs and replication of hepatitis C virus (HCV). Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2369-2374.	2.2	12
67	Screening of Potential HIV-1 Inhibitors/ Replication Blockers Using Secure Lentiviral in Vitro System. Acta Naturae, 2011, 3, 55-65.	1.7	12
68	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
69	Structure-activity evaluation of new uracil-based non-nucleoside inhibitors of HIV reverse transcriptase. MedChemComm, 2013, 4, 1443.	3.4	11
70	Modulation of Cell Death Pathways by Hepatitis C Virus Proteins in Huh7.5 Hepatoma Cells. International Journal of Molecular Sciences, 2017, 18, 2346.	4.1	11
71	Analysis of the Domains of Hepatitis C Virus Core and NS5A Proteins that Activate the Nrf2/ARE Cascade. Acta Naturae, 2016, 8, 123-127.	1.7	11
72	Therapy of HIV Infection: Current Approaches and Prospects. Acta Naturae, 2016, 8, 23-32.	1.7	11

#	Article	IF	Citations
73	Reverse transcriptase-based DNA vaccines against drug-resistant HIV-1 tested in a mouse model. Vaccine, 2004, 22, 1810-1819.	3.8	10
74	Isolation and site-directed mutagenesis of DNA methyltransferase SssI. Molecular Biology, 2007, 41, 110-117.	1.3	10
75	Hepatitis C virus helicase/NTPase: an efficient expression system and new inhibitors. Biochemistry (Moscow), 2008, 73, 660-668.	1.5	10
76	5â€²-Nor carbocyclic nucleosides: unusual nonnucleoside inhibitors of HIV-1 reverse transcriptase. MedChemComm, 2013, 4, 741.	3.4	10
77	Unforeseen Possibilities To Investigate the Regulation of Polyamine Metabolism Revealed by Novel C-Methylated Spermine Derivatives. Journal of Medicinal Chemistry, 2019, 62, 11335-11347.	6.4	10
78	Interaction of 5-substituted pyrimidine nucleoside analogues and M.Tuberculosis: A view through an electron microscope. Biochimie, 2020, 171-172, 170-177.	2.6	10
79	Random mntagenesis of the gene for bacteriophage T7 RNA polymerase. Molecular Genetics and Genomics, 1993, 238, 455-458.	2.4	9
80	Hepatitis C virus NS5A protein modulates template selection by the RNA polymerase in in vitro system. FEBS Letters, 2009, 583, 277-280.	2.8	9
81	Cell defense systems against oxidative stress and endoplasmic reticulum stress: Mechanisms of regulation and the effect of hepatitis C virus. Molecular Biology, 2011, 45, 110-122.	1.3	9
82	Novel 5-substituted derivatives of 2â€™-deoxy-6-azauridine with antibacterial activity. Journal of Antibiotics, 2019, 72, 535-544.	2.0	9
83	Hydrazo coupling: the efficient transition-metal-free Câ€“H functionalization of 8-hydroxyquinoline and phenol through base catalysis. Green Chemistry, 2019, 21, 6381-6389.	9.0	9
84	New 5-Modified Pyrimidine Nucleoside Inhibitors of Mycobacterial Growth. Acta Naturae, 2010, 2, 108-110.	1.7	9
85	Selective Inhibition of HDAC Class I Sensitizes Leukemia and Neuroblastoma Cells to Anticancer Drugs. Biomedicines, 2021, 9, 1846.	3.2	9
86	Determination of binding parameters of cyclic AMP and its analogs to cyclic AMP-dependent protein kinase by the fluorescent probe method. Biochimica Et Biophysica Acta - Biomembranes, 1979, 569, 145-152.	2.6	8
87	Targeted mutagenesis identifies Asp-569 as a catalytically critical residue in T7 RNA polymerase. Molecular Genetics and Genomics, 1995, 247, 110-113.	2.4	8
88	Title is missing!. Molecular Biology, 2000, 34, 913-920.	1.3	8
89	1,6-Bis[(benzyloxy)methyl]uracil derivativesâ€”Novel antivirals with activity against HIV-1 and influenza H1N1 virus. Bioorganic and Medicinal Chemistry, 2016, 24, 2476-2485.	3.0	8
90	Methylated Polyamines as Research Tools. Methods in Molecular Biology, 2011, 720, 449-461.	0.9	8

#	Article	IF	Citations
91	Analogues of Pyrimidine Nucleosides as Mycobacteria Growth Inhibitors. Microorganisms, 2022, 10, 1299.	3.6	8
92	Mutant T7 RNA polymerase is capable of catalyzing DNA primer extension reaction. FEBS Letters, 1998, 423, 189-192.	2.8	7
93	Hepatitis C virus structural proteins and virus-like particles produced in recombinant baculovirus-infected insect cells. Molecular Biology, 2010, 44, 97-108.	1.3	7
94	A new antiviral: Chimeric 3TCâ€“AZT phosphonate efficiently inhibits HIV-1 in human tissues ex vivo. Antiviral Research, 2014, 109, 125-131.	4.1	7
95	5â€²-Norcarbocyclic analogues of furano[2,3-d]pyrimidine nucleosides. Heterocyclic Communications, 2015, 21, 259-262.	1.2	7
96	Hydrophobic-core PEGylated graft copolymer-stabilized nanoparticles composed of insoluble non-nucleoside reverse transcriptase inhibitors exhibit strong anti-HIV activity. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2405-2413.	3.3	7
97	Hepatitis C Virus RNA-Dependent RNA Polymerase Is Regulated by Cysteine S-Glutathionylation. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	4.0	7
98	Structural isomers of cinnamic hydroxamic acids block HCV replication via different mechanisms. European Journal of Medicinal Chemistry, 2019, 183, 111723.	5.5	7
99	Discovery of novel N4-alkylcytidines as promising antimicrobial agents. European Journal of Medicinal Chemistry, 2021, 215, 113212.	5.5	7
100	Analysis of the Domains of Hepatitis C Virus Core and NS5A Proteins that Activate the Nrf2/ARE Cascade. Acta Naturae, 2016, 8, 123-127.	1.7	7
101	On the functional role of the Tyr-639 residue of bacteriophage T7 RNA polymerase. FEBS Letters, 1992, 306, 129-132.	2.8	6
102	Synthesis and antiviral evaluation against the Vaccinia virus of new N 1-oxide analogs of 5â€²-noraristeromycin. Russian Journal of Bioorganic Chemistry, 2010, 36, 730-733.	1.0	6
103	Baculovirus vectors for efficient gene delivery and expression in mammalian cells. Molecular Biology, 2010, 44, 479-487.	1.3	6
104	Novel 5â€²-Norcarbocyclic Derivatives of Bicyclic Pyrrolo- and Furano[2,3-d]Pyrimidine Nucleosides. Molecules, 2018, 23, 2654.	3.8	6
105	C-Methylated Analogs of Spermine and Spermidine: Synthesis and Biological Activity. Russian Journal of Bioorganic Chemistry, 2019, 45, 463-487.	1.0	6
106	Inhibitor of polyamine catabolism MDL72.527 restores the sensitivity to doxorubicin of monocytic leukemia Thp-1 cells infected with human cytomegalovirus. Biochimie, 2019, 158, 82-89.	2.6	6
107	3â€²-Amino modifications enhance the antifungal properties of N⁴-alkyl-5-methylcytidines for potential biocides. New Journal of Chemistry, 2022, 46, 5614-5626.	2.8	6
108	Tyr-571 is involved in the T7 RNA polymerase binding to its promoter. FEBS Letters, 1993, 320, 9-12.	2.8	5

#	Article	IF	Citations
109	The studies of cooperative regions in T7 RNA polymerase. FEBS Letters, 1994, 349, 429-432.	2.8	5
110	New Non-nucleoside Inhibitors of Hepatitis C Virus RNA-Dependent RNA Polymerase. Biochemistry (Moscow), 2004, 69, 782-788.	1.5	5
111	Methylene bisphosphonates as the inhibitors of HIV RT phosphorolytic activity. Biochimie, 2016, 127, 153-162.	2.6	5
112	Acetylated derivatives of C-methylated analogues of spermidine: synthesis and interaction with N1-acetylpolyamine oxidase. Mendeleev Communications, 2018, 28, 479-481.	1.6	5
113	Uracil-Containing Heterodimers of a New Type: Synthesis and Study of Their Anti-Viral Properties. Molecules, 2020, 25, 3350.	3.8	5
114	Screening of Potential HIV-1 Inhibitors/Replication Blockers Using Secure Lentiviral inÂVitro System. Acta Naturae, 2011, 3, 55-65.	1.7	5
115	Studies on the Mechanism of Action of the Histone Kinase Dependent on Adenosine 3',5'-Monophosphate. Interaction of ATP with the Catalytic Subunit of the Pig-Brain Enzyme: Application of the Quenched-Flow Technique. FEBS Journal, 1981, 115, 297-301.	0.2	4
116	Studies on the Mechanism of Action of the Histone Kinase Dependent on Adenosine 3',5'-Monophosphate. Investigation of Protein-Protein Interaction by Electron Spin-Resonance Spectroscopy and Stopped-Flow Methods. FEBS Journal, 1983, 132, 339-344.	0.2	4
117	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
118	Hepatitis C virus RNA-dependent RNA polymerase: Study on the inhibition mechanism by pyrogallol derivatives. Biochemistry (Moscow), 2006, 71, 1021-1026.	1.5	4
119	Synthesis and biological activity of new 6-benzylisocytosine derivatives: non-nucleoside HIV-1 reverse transcriptase inhibitors. Pharmaceutical Chemistry Journal, 2012, 46, 397-401.	0.8	4
120	Synthesis of 2,11-bis(methylidene)spermine, a new inhibitor of spermine oxidase. Russian Journal of Bioorganic Chemistry, 2016, 42, 423-427.	1.0	4
121	Effect of Hepatitis C virus proteins on the production of proinflammatory and profibrotic cytokines in Huh7.5 human hepatoma cells. Molecular Biology, 2016, 50, 422-430.	1.3	4
122	The Immunogenicity in Mice of HCV Core Delivered as DNA Is Modulated by Its Capacity to Induce Oxidative Stress and Oxidative Stress Response. Cells, 2019, 8, 208.	4.1	4
123	Glycol and Phosphate Depot Forms of 4- and/or 5-Modified Nucleosides Exhibiting Antibacterial Activity. Molecular Biology, 2021, 55, 143-153.	1.3	4
124	Pre-Senescence Induction in Hepatoma Cells Favors Hepatitis C Virus Replication and Can Be Used in Exploring Antiviral Potential of Histone Deacetylase Inhibitors. International Journal of Molecular Sciences, 2021, 22, 4559.	4.1	4
125	Evaluation of the Antiviral Potential of Modified Heterocyclic Base and 5â€™-Norcarbocyclic Nucleoside Analogs Against SARS-CoV-2. , 2021, 13, 78-81.		4
126	Role of Polyamine-Induced Dimerization of Antizyme in Its Cellular Functions. International Journal of Molecular Sciences, 2022, 23, 4614.	4.1	4

#	Article	IF	Citations
127	Studies on the mechanism of action of the histone kinase dependent on adenosine 3',5'-monophosphate. Fast kinetics of histone H1 phosphorylation. FEBS Journal, 1983, 135, 491-495.	0.2	3
128	RNA-dependent RNA polymerase of hepatitis C virus: Study on inhibition by Î±,Î³-diketo acid derivatives. Biochemistry (Moscow), 2009, 74, 834-841.	1.5	3
129	Transcription and its regulation in mammalian and human mitochondria. Molecular Biology, 2009, 43, 198-210.	1.3	3
130	Benzophenone derivatives of pyrimidines as effective non-nucleoside inhibitors of wild-type and drug-resistant HIV-1 reverse transcriptase. Doklady Biochemistry and Biophysics, 2012, 447, 280-281.	0.9	3
131	Synthesis and Anti-HIV-1 Activity of 1-[Ï‰-(Phenoxy)Alkyl and -Alkenyl]Uracil Derivatives. Pharmaceutical Chemistry Journal, 2013, 47, 459-463.	0.8	3
132	Hydroxylamine derivatives for regulation of spermine and spermidine metabolism. Biochemistry (Moscow), 2013, 78, 1431-1446.	1.5	3
133	Synthesis of (Z)-N-hydroxy-3-methoxy-3-phenylacrylamide as new selective inhibitor of hepatitis C virus replication. Russian Journal of Bioorganic Chemistry, 2016, 42, 191-197.	1.0	3
134	Hepatitis C virus: The role of N-glycosylation sites of viral genotype 1b proteins for formation of viral particles in insect and mammalian cells. Biochemistry and Biophysics Reports, 2016, 7, 98-105.	1.3	3
135	Low-molecular-weight regulators of biogenic polyamine metabolism affect cytokine production and expression of hepatitis Ð¡ virus proteins in Huh7.5 human hepatocarcinoma cells. Molecular Biology, 2017, 51, 453-464.	1.3	3
136	Synthesis of Pyridyl-4-Oxy-Substituted N-Hydroxy Amides of Cinnamic Acid as New Inhibitors of Histone Deacetylase Activity and Hepatitis C Virus Replication. Russian Journal of Bioorganic Chemistry, 2018, 44, 453-460.	1.0	3
137	The role of HCV e2 protein glycosylation in functioning of virus envelope proteins in insect and Mammalian cells. Acta Naturae, 2015, 7, 87-97.	1.7	3
138	Physico-chemical principles of cAMP-dependent protein phosphorylation. FEBS Letters, 1984, 173, 179-184.	2.8	2
139	Interaction of tRNA-Derivatives and Oligonucleotide Primers with AZT-Resistant Mutants of HIV-1 Reverse Transcriptase. Bioorganic and Medicinal Chemistry, 1998, 6, 2041-2049.	3.0	2
140	Leishmania donovani: Structural insignt in the recognition of C-methylated analogues of spermidine as natural polyamines. Molecular Biology, 2011, 45, 619-623.	1.3	2
141	Acyclovir phosphoramidates as potential anti-HIV drugs. Russian Chemical Bulletin, 2014, 63, 1192-1196.	1.5	2
142	Versatile synthesis of oxime-containing acyclic nucleoside phosphonates â€“ synthetic solutions and antiviral activity. Organic and Biomolecular Chemistry, 2015, 13, 10946-10956.	2.8	2
143	Prokaryotic Expression, Purification and Immunogenicity in Rabbits of the Small Antigen of Hepatitis Delta Virus. International Journal of Molecular Sciences, 2016, 17, 1721.	4.1	2
144	Convenient syntheses of phosphinic analogues of Î³-aminobutyric- and glutamic acids. Russian Journal of Bioorganic Chemistry, 2016, 42, 672-676.	1.0	2

#	Article	IF	Citations
145	Data on synthesis of methylene bisphosphonates and screening of their inhibitory activity towards HIV reverse transcriptase. Data in Brief, 2016, 8, 1157-1167.	1.0	2
146	New benzophenone phosphonate derivatives. Mendeleev Communications, 2017, 27, 346-348.	1.6	2
147	Identification of a Novel Substrate-Derived Spermine Oxidase Inhibitor. Acta Naturae, 2020, 12, 140-144.	1.7	2
148	Title is missing!. Molecular Biology, 2002, 36, 543-550.	1.3	1
149	Oligonucleotides Containing Disaccharide Nucleosides: Synthesis, Physicochemical, and Substrate Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1117-1118.	1.1	1
150	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
151	Determination of the melting site of the DNA duplex in the active center of bacterial RNA-polymerase by fluorescence quenching technique. Doklady Biochemistry and Biophysics, 2007, 416, 285-289.	0.9	1
152	Effect of deoxynojirimycin derivatives on morphogenesis of hepatitis C virus. Molecular Biology, 2012, 46, 579-587.	1.3	1
153	Role of N-linked glycans of HCV glycoprotein E1 in folding of structural proteins and formation of viral particles. Molecular Biology, 2013, 47, 131-139.	1.3	1
154	Synthesis and studies of biological activity of new 8-{[(adamant-1-yl)alkyl]amino}theophylline derivatives. Russian Chemical Bulletin, 2013, 62, 2544-2546.	1.5	1
155	Chemistry and biomedicine: diversity and unity of goals. Russian Chemical Reviews, 2015, 84, E01-E01.	6.5	1
156	Synthesis and antimicrobial properties of 5,5â€²-modified 2â€²,5â€²-dideoxyuridines. Heterocyclic Communications, 2015, 21, 297-301.	1.2	1
157	5-Alkylthiomethyl Derivatives of 2'-Deoxyuridine: Synthesis and Antibacterial Activity. Russian Journal of Bioorganic Chemistry, 2020, 46, 133-138.	1.0	1
158	Synthesis of (3R,10R)- and (3S,10S)-Diastereomers of 3,10-Dimethylspermine. Russian Journal of Bioorganic Chemistry, 2020, 46, 1061-1066.	1.0	1
159	5-Arylaminouracil Derivatives as Potential Dual-Action Agents. Acta Naturae, 2015, 7, 113-5.	1.7	1
160	Study of Antiherpetic Efficiency of Phosphite of Acycloguanosine Ableto Over come the Barrier of Resistance to Acyclovir. Acta Naturae, 2016, 8, 74-81.	1.7	1
161	Synthesis of Mixed Ribo/Deoxyribopolynucleotides by Mutant T7 RNA Polymerase. Nucleosides & Nucleotides, 1999, 18, 1239-1240.	0.5	0
162	Photoaffinity Modification of Bacteriophage T7 DNA-Dependent RNA Polymerase with a Reaction Product Containing an Azido Derivative of UTP. Molecular Biology, 2004, 38, 907-913.	1.3	0

#	Article	IF	Citations
163	Interactions between the hepatitis C virus protein NS3 and polymethylene derivatives of nucleic bases. Molecular Biology, 2010, 44, 931-938.	1.3	0
164	Synthesis and studies of new 6-[halo(diphenyl)methyl]- and 6-(thiophen-2-ylmethyl)pyrimidin-4(3H)-ones as possible HIV-1 reverse transcriptase inhibitors. Russian Chemical Bulletin, 2013, 62, 797-801.	1.5	0
165	2â€²-Fluoronucleotides as substrates of viral replicative polymerases. Molecular Biology, 2014, 48, 727-733.	1.3	0
166	Novel hydroxylamine-containing analogues of 1-guanidino-7-aminoheptane (GC7), an effective inhibitor of deoxyhypusine synthase. Russian Journal of Bioorganic Chemistry, 2016, 42, 415-422.	1.0	0
167	Aminooxy adsorbents derived from sephareose and toyopearl. Russian Journal of Bioorganic Chemistry, 2016, 42, 546-550.	1.0	0
168	On the Reaction of Carbonyl Diphosphonic Acid with Hydroxylamine and O-alkylhydroxylamines: Unexpected Degradation of P-C-P Bridge. Molecules, 2017, 22, 1040.	3.8	0
169	Synthesis of (R)- and (S)-isomers of 2-methylspermidine. Mendeleev Communications, 2019, 29, 678-679.	1.6	0
170	Dual-targeted anti-CMV/anti-HIV-1 heterodimers. Biochimie, 2021, 189, 169-180.	2.6	0
171	The Mechanism of Action of Brain Cyclic AMP-dependent Protein Kinase: Structure of Active Site, Mechanism of Dissociation of the Holoenzyme, and Possible Biological Role of Its Subunits. Proceedings in Life Sciences, 1981, , 44-58.	0.5	0
172	The Interaction between the RNA-Dependent RNA-Polymerase of the Hepatitis Virus and RNA Matrices. Acta Naturae, 2009, 1, 88-90.	1.7	0
173	New Analogues of Uridine as Possible Anti-Viral Agents Specific to SARS-CoV-2. Molecular Biology, 2022, 56, 469-473.	1.3	0
174	Comparative analysis of the white rot fungus Trametes hirsuta 072 laccases ability to modify 17Î²-oestradiol in the aqueous medium. Biocatalysis and Biotransformation, 2023, 41, 475-485.	2.0	0