

# Sergey Kochetkov

## List of Publications by Year in descending order

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Version: 2024-02-01

174  
papers

3,110  
citations

257101

24  
h-index

214527

47  
g-index

195  
all docs

195  
docs citations

195  
times ranked

3817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox Biology of Respiratory Viral Infections. <i>Viruses</i> , 2018, 10, 392.	1.5	290
2	Oxidative Stress during HIV Infection: Mechanisms and Consequences. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-18.	1.9	248
3	HCV and Oxidative Stress in the Liver. <i>Viruses</i> , 2013, 5, 439-469.	1.5	175
4	Hepatitis C Virus Proteins Activate NRF2/ARE Pathway by Distinct ROS-Dependent and Independent Mechanisms in HUH7 Cells. <i>PLoS ONE</i> , 2011, 6, e24957.	1.1	138
5	Oxidative stress, a trigger of hepatitis C and B virus-induced liver carcinogenesis. <i>Oncotarget</i> , 2017, 8, 3895-3932.	0.8	126
6	Human herpes simplex virus: Life cycle and development of inhibitors. <i>Biochemistry (Moscow)</i> , 2014, 79, 1635-1652.	0.7	107
7	HCV Core Protein Uses Multiple Mechanisms to Induce Oxidative Stress in Human Hepatoma Huh7 Cells. <i>Viruses</i> , 2015, 7, 2745-2770.	1.5	71
8	Antiviral Properties, Metabolism, and Pharmacokinetics of a Novel Azolo-1,2,4-Triazine-Derived Inhibitor of Influenza A and B Virus Replication. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2017-2022.	1.4	64
9	Development of the system ensuring a high-level expression of hepatitis C virus nonstructural NS5B and NS5A proteins. <i>Protein Expression and Purification</i> , 2006, 48, 14-23.	0.6	53
10	The synthesis and antituberculosis activity of 5- $\epsilon^2$ -nor carbocyclic uracil derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6680-6686.	1.4	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. <i>Biochimie</i> , 2012, 94, 1876-1883.	1.3	49
12	Hepatitis C Virus NS5A Protein Triggers Oxidative Stress by Inducing NADPH Oxidases 1 and 4 and Cytochrome P450 2E1. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	46
13	Inhibition of <i>Mycobacterium tuberculosis</i> strains H37Rv and MDR MS-115 by a new set of C5 modified pyrimidine nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4874-4884.	1.4	41
14	Oxidative stress induced by HIV-1 reverse transcriptase modulates the enzyme's performance in gene immunization. <i>Human Vaccines and Immunotherapeutics</i> , 2013, 9, 2111-2119.	1.4	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. <i>FEBS Journal</i> , 1977, 81, 111-118.	0.2	38
16	Mutants of T7 RNA polymerase that are able to synthesize both RNA and DNA. <i>FEBS Letters</i> , 1995, 369, 165-168.	1.3	38
17	DNA-Encoding Enzymatically Active HIV-1 Reverse Transcriptase, but Not the Inactive Mutant, Confers Resistance to Experimental HIV-1 Challenge. <i>Intervirology</i> , 2000, 43, 288-293.	1.2	38
18	Recent studies of T7 RNA polymerase mechanism. <i>FEBS Letters</i> , 1998, 440, 264-267.	1.3	37

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19	Structural-functional analysis of bacteriophage T7 RNA polymerase. <i>Biochemistry (Moscow)</i> , 2002, 67, 1124-1135.	0.7	37
20	1-[2-(2-Benzoyl- and 2-benzylphenoxy)ethyl]uracils as potent anti-HIV-1 agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5794-5802.	1.4	37
21	N1,N3-disubstituted uracils as nonnucleoside inhibitors of HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1150-1158.	1.4	28
22	Synthesis and Biological Characterization of Novel Charge-Deficient Spermine Analogues. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5738-5748.	2.9	27
23	Lys631 residue in the active site of the bacteriophage T7 RNA polymerase. Affinity labeling and site-directed mutagenesis. <i>FEBS Journal</i> , 1991, 195, 841-847.	0.2	26
24	Polyamine Metabolism and Oxidative Protein Folding in the ER as ROS-Producing Systems Neglected in Virology. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1219.	1.8	26
25	Synthesis and evaluation of C-5 modified 2'-deoxyuridine monophosphates as inhibitors of <i>M. tuberculosis</i> thymidylate synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7131-7137.	1.4	25
26	Structure and aminoacylation capacities of tRNA transcripts containing deoxyribonucleotides. <i>Rna</i> , 1997, 3, 893-904.	1.6	25
27	Hepatitis C virus alters metabolism of biogenic polyamines by affecting expression of key enzymes of their metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 904-909.	1.0	24
28	Novel inhibitors of <i>Mycobacterium tuberculosis</i> growth based on modified pyrimidine nucleosides and their analogues. <i>Russian Chemical Reviews</i> , 2013, 82, 896-915.	2.5	23
29	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
30	Phosphoramidate derivatives of acyclovir: Synthesis and antiviral activity in HIV-1 and HSV-1 models in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5802-5809.	1.4	21
31	Selective inhibitor of histone deacetylase 6 (tubastatin A) suppresses proliferation of hepatitis C virus replicon in culture of human hepatocytes. <i>Biochemistry (Moscow)</i> , 2014, 79, 637-642.	0.7	21
32	Selective Inhibition of <i>Enterovirus A</i> Species Members'™ Reproduction by Furano[2,6-pyrimidine Nucleosides Revealed by Antiviral Activity Profiling against (+)ssRNA Viruses. <i>ChemistrySelect</i> , 2018, 3, 2321-2325.	0.7	21
33	HIV-1 Reverse Transcriptase Promotes Tumor Growth and Metastasis Formation via ROS-Dependent Upregulation of Twist. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-28.	1.9	21
34	Role of a histidine residue in the active site of cyclic AMP-dependent histone kinase. <i>FEBS Letters</i> , 1976, 71, 212-214.	1.3	20
35	Benzohydroxamic acids as potent and selective anti-HCV agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5936-5940.	1.0	20
36	Cultivation of Cells in a Physiological Plasmag Medium Increases Mitochondrial Respiratory Capacity and Reduces Replication Levels of RNA Viruses. <i>Antioxidants</i> , 2022, 11, 97.	2.2	20

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37	Multisubunit RNA Polymerases Melt Only a Single DNA Base Pair Downstream of the Active Site. <i>Journal of Biological Chemistry</i> , 2007, 282, 21578-21582.	1.6	19
38	The Use of Novel C-Methylated Spermidine Derivatives To Investigate the Regulation of Polyamine Metabolism. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4611-4618.	2.9	19
39	Novel 5 $\alpha$ -Norcarbocyclic Pyrimidine Derivatives as Antibacterial Agents. <i>Molecules</i> , 2018, 23, 3069.	1.7	19
40	Mutations Conferring Drug Resistance Affect Eukaryotic Expression of HIV Type 1 Reverse Transcriptase. <i>AIDS Research and Human Retroviruses</i> , 2004, 20, 191-201.	0.5	18
41	Specific features of HIV-1 integrase inhibition by bisphosphonate derivatives. <i>European Journal of Medicinal Chemistry</i> , 2014, 73, 73-82.	2.6	18
42	Hydroxylamine Analogue of Agmatine: Magic Bullet for Arginine Decarboxylase. <i>Biomolecules</i> , 2020, 10, 406.	1.8	18
43	Isolation of the regulatory subunit of pig-brain histone kinase by affinity chromatography on cyclic-AMP-containing adsorbent. <i>FEBS Letters</i> , 1974, 49, 61-64.	1.3	17
44	Inhibition of the helicase activity of the HCV NS3 protein by symmetrical dimeric bis-benzimidazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5331-5335.	1.0	17
45	5-(4-alkyl-1,2,3-triazol-1-yl)methyl derivatives of 2 $\alpha$ -deoxyuridine as inhibitors of viral and bacterial growth. <i>Russian Journal of Bioorganic Chemistry</i> , 2016, 42, 677-684.	0.3	17
46	Interactions of the HIV-1 reverse transcriptase $\alpha$ -AZT-resistant $\alpha$ ™ mutant with substrates and AZT-TP. <i>FEBS Letters</i> , 1993, 325, 237-241.	1.3	16
47	Eukaryotic expression of enzymatically active human immunodeficiency virus type 1 reverse transcriptase. <i>FEBS Letters</i> , 1999, 447, 232-236.	1.3	16
48	Immunogenic Properties of Reverse Transcriptase of HIV Type 1 Assessed by DNA and Protein Immunization of Rabbits. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 1269-1280.	0.5	16
49	Inhibition of HIV-1 reverse transcriptase by aryl-substituted naphto- and anthraquinones. <i>Doklady Biochemistry and Biophysics</i> , 2002, 382, 56-59.	0.3	16
50	Novel convenient synthesis of biologically active esters of hydroxylamine. <i>Amino Acids</i> , 2010, 38, 509-517.	1.2	16
51	Deoxyribonucleotide-containing RNAs: a novel class of templates for HIV-1 reverse transcriptase. <i>Nucleic Acids Research</i> , 1997, 25, 4614-4618.	6.5	15
52	Pyridine hydroxamic acids are specific anti-HCV agents affecting HDAC6. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2382-2385.	1.0	15
53	Title is missing!. <i>Molecular Biology</i> , 2001, 35, 717-729.	0.4	14
54	Non-hydrolysable analogues of inorganic pyrophosphate as inhibitors of hepatitis C virus RNA-dependent RNA-polymerase. <i>Russian Journal of Bioorganic Chemistry</i> , 2012, 38, 224-229.	0.3	14

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55	Scaffold hopping: Exploration of acetanilide-containing uracil analogues as potential NNRTIs. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1069-1081.	1.4	14
56	Synthesis of water-soluble prodrugs of 5-modified 2- $\beta$ -deoxyuridines and their antibacterial activity. <i>Journal of Antibiotics</i> , 2020, 73, 236-246.	1.0	14
57	Gene immunization may induce secondary antibodies reacting with DNA. <i>Vaccine</i> , 2004, 22, 1576-1585.	1.7	13
58	Biogenic polyamines spermine and spermidine activate RNA polymerase and inhibit RNA helicase of hepatitis C virus. <i>Biochemistry (Moscow)</i> , 2012, 77, 1172-1180.	0.7	13
59	Synthesis and Anti-HIV Properties of New Carbamate Prodrugs of AZT. <i>Chemical Biology and Drug Design</i> , 2012, 80, 947-952.	1.5	13
60	Activation of Polyamine Catabolism by N1,N11-Diethylnorspermine in Hepatic HepaRG Cells Induces Dedifferentiation and Mesenchymal-Like Phenotype. <i>Cells</i> , 2018, 7, 275.	1.8	13
61	Inactivation of bacteriophage T7 DNA-dependent RNA polymerase by 5'-p-fluorosulfonylbenzoyladenine. Identification of the modification site and the effect of the modification on enzyme action. <i>FEBS Journal</i> , 1990, 191, 99-103.	0.2	12
62	Synthesis of mixed ribo/deoxyribopolynucleotides by mutant T7 RNA polymerase. <i>FEBS Letters</i> , 1998, 439, 302-306.	1.3	12
63	Potent cross-reactive immune response against the wild-type and drug-resistant forms of HIV reverse transcriptase after the chimeric gene immunization. <i>Vaccine</i> , 2010, 28, 1975-1986.	1.7	12
64	Enantiomers of 3-Methylspermidine Selectively Modulate Deoxyhypusine Synthesis and Reveal Important Determinants for Spermidine Transport. <i>ACS Chemical Biology</i> , 2015, 10, 1417-1424.	1.6	12
65	Investigation of 5- $\beta$ -Norcarbocyclic Nucleoside Analogues as Antiprotozoal and Antibacterial Agents. <i>Molecules</i> , 2019, 24, 3433.	1.7	12
66	Synthesis of N $\epsilon$ -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). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2369-2374.	1.0	12
67	Screening of Potential HIV-1 Inhibitors/ Replication Blockers Using Secure Lentiviral in Vitro System. <i>Acta Naturae</i> , 2011, 3, 55-65.	1.7	12
68	An additional 2- $\beta$ -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
69	Structure-activity evaluation of new uracil-based non-nucleoside inhibitors of HIV reverse transcriptase. <i>MedChemComm</i> , 2013, 4, 1443.	3.5	11
70	Modulation of Cell Death Pathways by Hepatitis C Virus Proteins in Huh7.5 Hepatoma Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2346.	1.8	11
71	Analysis of the Domains of Hepatitis C Virus Core and NS5A Proteins that Activate the Nrf2/ARE Cascade. <i>Acta Naturae</i> , 2016, 8, 123-127.	1.7	11
72	Therapy of HIV Infection: Current Approaches and Prospects. <i>Acta Naturae</i> , 2016, 8, 23-32.	1.7	11

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73	Reverse transcriptase-based DNA vaccines against drug-resistant HIV-1 tested in a mouse model. <i>Vaccine</i> , 2004, 22, 1810-1819.	1.7	10
74	Isolation and site-directed mutagenesis of DNA methyltransferase SssI. <i>Molecular Biology</i> , 2007, 41, 110-117.	0.4	10
75	Hepatitis C virus helicase/NTase: an efficient expression system and new inhibitors. <i>Biochemistry (Moscow)</i> , 2008, 73, 660-668.	0.7	10
76	5'-Nor carbocyclic nucleosides: unusual nonnucleoside inhibitors of HIV-1 reverse transcriptase. <i>MedChemComm</i> , 2013, 4, 741.	3.5	10
77	Unforeseen Possibilities To Investigate the Regulation of Polyamine Metabolism Revealed by Novel C-Methylated Spermine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 11335-11347.	2.9	10
78	Interaction of 5-substituted pyrimidine nucleoside analogues and M.Tuberculosis: A view through an electron microscope. <i>Biochimie</i> , 2020, 171-172, 170-177.	1.3	10
79	Random mutagenesis of the gene for bacteriophage T7 RNA polymerase. <i>Molecular Genetics and Genomics</i> , 1993, 238, 455-458.	2.4	9
80	Hepatitis C virus NS5A protein modulates template selection by the RNA polymerase in in vitro system. <i>FEBS Letters</i> , 2009, 583, 277-280.	1.3	9
81	Cell defense systems against oxidative stress and endoplasmic reticulum stress: Mechanisms of regulation and the effect of hepatitis C virus. <i>Molecular Biology</i> , 2011, 45, 110-122.	0.4	9
82	Novel 5-substituted derivatives of 2'-deoxy-6-azauridine with antibacterial activity. <i>Journal of Antibiotics</i> , 2019, 72, 535-544.	1.0	9
83	Hydrazo coupling: the efficient transition-metal-free C-H functionalization of 8-hydroxyquinoline and phenol through base catalysis. <i>Green Chemistry</i> , 2019, 21, 6381-6389.	4.6	9
84	New 5-Modified Pyrimidine Nucleoside Inhibitors of Mycobacterial Growth. <i>Acta Naturae</i> , 2010, 2, 108-110.	1.7	9
85	Selective Inhibition of HDAC Class I Sensitizes Leukemia and Neuroblastoma Cells to Anticancer Drugs. <i>Biomedicines</i> , 2021, 9, 1846.	1.4	9
86	Determination of binding parameters of cyclic AMP and its analogs to cyclic AMP-dependent protein kinase by the fluorescent probe method. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979, 569, 145-152.	1.4	8
87	Targeted mutagenesis identifies Asp-569 as a catalytically critical residue in T7 RNA polymerase. <i>Molecular Genetics and Genomics</i> , 1995, 247, 110-113.	2.4	8
88	Title is missing!. <i>Molecular Biology</i> , 2000, 34, 913-920.	0.4	8
89	1,6-Bis[(benzyloxy)methyl]uracil derivatives—Novel antivirals with activity against HIV-1 and influenza H1N1 virus. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2476-2485.	1.4	8
90	Methylated Polyamines as Research Tools. <i>Methods in Molecular Biology</i> , 2011, 720, 449-461.	0.4	8

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91	Analogues of Pyrimidine Nucleosides as Mycobacteria Growth Inhibitors. <i>Microorganisms</i> , 2022, 10, 1299.	1.6	8
92	Mutant T7 RNA polymerase is capable of catalyzing DNA primer extension reaction. <i>FEBS Letters</i> , 1998, 423, 189-192.	1.3	7
93	Hepatitis C virus structural proteins and virus-like particles produced in recombinant baculovirus-infected insect cells. <i>Molecular Biology</i> , 2010, 44, 97-108.	0.4	7
94	A new antiviral: Chimeric 3TC-3'-AZT phosphonate efficiently inhibits HIV-1 in human tissues ex vivo. <i>Antiviral Research</i> , 2014, 109, 125-131.	1.9	7
95	5'-Norcarbocyclic analogues of furano[2,3-d]pyrimidine nucleosides. <i>Heterocyclic Communications</i> , 2015, 21, 259-262.	0.6	7
96	Hydrophobic-core PEGylated graft copolymer-stabilized nanoparticles composed of insoluble non-nucleoside reverse transcriptase inhibitors exhibit strong anti-HIV activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2405-2413.	1.7	7
97	Hepatitis C Virus RNA-Dependent RNA Polymerase Is Regulated by Cysteine S-Glutathionylation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	1.9	7
98	Structural isomers of cinnamic hydroxamic acids block HCV replication via different mechanisms. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111723.	2.6	7
99	Discovery of novel N4-alkylcytidines as promising antimicrobial agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113212.	2.6	7
100	Analysis of the Domains of Hepatitis C Virus Core and NS5A Proteins that Activate the Nrf2/ARE Cascade. <i>Acta Naturae</i> , 2016, 8, 123-127.	1.7	7
101	On the functional role of the Tyr-639 residue of bacteriophage T7 RNA polymerase. <i>FEBS Letters</i> , 1992, 306, 129-132.	1.3	6
102	Synthesis and antiviral evaluation against the Vaccinia virus of new N 1-oxide analogs of 5'-noraristeromycin. <i>Russian Journal of Bioorganic Chemistry</i> , 2010, 36, 730-733.	0.3	6
103	Baculovirus vectors for efficient gene delivery and expression in mammalian cells. <i>Molecular Biology</i> , 2010, 44, 479-487.	0.4	6
104	Novel 5'-Norcarbocyclic Derivatives of Bicyclic Pyrrolo- and Furano[2,3-d]Pyrimidine Nucleosides. <i>Molecules</i> , 2018, 23, 2654.	1.7	6
105	C-Methylated Analogs of Spermine and Spermidine: Synthesis and Biological Activity. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 463-487.	0.3	6
106	Inhibitor of polyamine catabolism MDL72.527 restores the sensitivity to doxorubicin of monocytic leukemia Thp-1 cells infected with human cytomegalovirus. <i>Biochimie</i> , 2019, 158, 82-89.	1.3	6
107	3'-Amino modifications enhance the antifungal properties of N <sup>4</sup> -alkyl-5-methylcytidines for potential biocides. <i>New Journal of Chemistry</i> , 2022, 46, 5614-5626.	1.4	6
108	Tyr-571 is involved in the T7 RNA polymerase binding to its promoter. <i>FEBS Letters</i> , 1993, 320, 9-12.	1.3	5

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109	The studies of cooperative regions in T7 RNA polymerase. FEBS Letters, 1994, 349, 429-432.	1.3	5
110	New Non-nucleoside Inhibitors of Hepatitis C Virus RNA-Dependent RNA Polymerase. Biochemistry (Moscow), 2004, 69, 782-788.	0.7	5
111	Methylene bisphosphonates as the inhibitors of HIV RT phosphorolytic activity. Biochimie, 2016, 127, 153-162.	1.3	5
112	Acetylated derivatives of C-methylated analogues of spermidine: synthesis and interaction with N1-acetyl polyamine oxidase. Mendeleev Communications, 2018, 28, 479-481.	0.6	5
113	Uracil-Containing Heterodimers of a New Type: Synthesis and Study of Their Anti-Viral Properties. Molecules, 2020, 25, 3350.	1.7	5
114	Screening of Potential HIV-1 Inhibitors/Replication Blockers Using Secure Lentiviral in Vitro 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 $\epsilon^2$ -methyl UTP derivatives in T7 RNA polymerase reactions. Evidence for N-type NTP conformation. FEBS Letters, 1997, 400, 263-266.	1.3	4
118	Hepatitis C virus RNA-dependent RNA polymerase: Study on the inhibition mechanism by pyrogallol derivatives. Biochemistry (Moscow), 2006, 71, 1021-1026.	0.7	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.	0.3	4
120	Synthesis of 2,11-bis(methylidene)spermine, a new inhibitor of spermine oxidase. Russian Journal of Bioorganic Chemistry, 2016, 42, 423-427.	0.3	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.	0.4	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.	1.8	4
123	Glycol and Phosphate Depot Forms of 4- and/or 5-Modified Nucleosides Exhibiting Antibacterial Activity. Molecular Biology, 2021, 55, 143-153.	0.4	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.	1.8	4
125	Evaluation of the Antiviral Potential of Modified Heterocyclic Base and 5 $\epsilon$ -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.	1.8	4



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127	Studies on the mechanism of action of the histone kinase dependent on adenosine 3',5'-monophosphate. Fast kinetics of histone H1 phosphorylation. <i>FEBS Journal</i> , 1983, 135, 491-495.	0.2	3
128	RNA-dependent RNA polymerase of hepatitis C virus: Study on inhibition by $\alpha,\beta$ -diketo acid derivatives. <i>Biochemistry (Moscow)</i> , 2009, 74, 834-841.	0.7	3
129	Transcription and its regulation in mammalian and human mitochondria. <i>Molecular Biology</i> , 2009, 43, 198-210.	0.4	3
130	Benzophenone derivatives of pyrimidines as effective non-nucleoside inhibitors of wild-type and drug-resistant HIV-1 reverse transcriptase. <i>Doklady Biochemistry and Biophysics</i> , 2012, 447, 280-281.	0.3	3
131	Synthesis and Anti-HIV-1 Activity of 1-[ $\alpha$ -(Phenoxy)Alkyl and -Alkenyl]Uracil Derivatives. <i>Pharmaceutical Chemistry Journal</i> , 2013, 47, 459-463.	0.3	3
132	Hydroxylamine derivatives for regulation of spermine and spermidine metabolism. <i>Biochemistry (Moscow)</i> , 2013, 78, 1431-1446.	0.7	3
133	Synthesis of (Z)-N-hydroxy-3-methoxy-3-phenylacrylamide as new selective inhibitor of hepatitis C virus replication. <i>Russian Journal of Bioorganic Chemistry</i> , 2016, 42, 191-197.	0.3	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. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 98-105.	0.7	3
135	Low-molecular-weight regulators of biogenic polyamine metabolism affect cytokine production and expression of hepatitis $\Delta$ virus proteins in Huh7.5 human hepatocarcinoma cells. <i>Molecular Biology</i> , 2017, 51, 453-464.	0.4	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. <i>Russian Journal of Bioorganic Chemistry</i> , 2018, 44, 453-460.	0.3	3
137	The role of HCV e2 protein glycosylation in functioning of virus envelope proteins in insect and Mammalian cells. <i>Acta Naturae</i> , 2015, 7, 87-97.	1.7	3
138	Physico-chemical principles of cAMP-dependent protein phosphorylation. <i>FEBS Letters</i> , 1984, 173, 179-184.	1.3	2
139	Interaction of tRNA-Derivatives and Oligonucleotide Primers with AZT-Resistant Mutants of HIV-1 Reverse Transcriptase. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 2041-2049.	1.4	2
140	Leishmania donovani: Structural insight in the recognition of C-methylated analogues of spermidine as natural polyamines. <i>Molecular Biology</i> , 2011, 45, 619-623.	0.4	2
141	Acyclovir phosphoramidates as potential anti-HIV drugs. <i>Russian Chemical Bulletin</i> , 2014, 63, 1192-1196.	0.4	2
142	Versatile synthesis of oxime-containing acyclic nucleoside phosphonates – synthetic solutions and antiviral activity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10946-10956.	1.5	2
143	Prokaryotic Expression, Purification and Immunogenicity in Rabbits of the Small Antigen of Hepatitis Delta Virus. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1721.	1.8	2
144	Convenient syntheses of phosphinic analogues of $\beta$ -aminobutyric- and glutamic acids. <i>Russian Journal of Bioorganic Chemistry</i> , 2016, 42, 672-676.	0.3	2

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145	Data on synthesis of methylene bisphosphonates and screening of their inhibitory activity towards HIV reverse transcriptase. <i>Data in Brief</i> , 2016, 8, 1157-1167.	0.5	2
146	New benzophenone phosphonate derivatives. <i>Mendeleev Communications</i> , 2017, 27, 346-348.	0.6	2
147	Identification of a Novel Substrate-Derived Spermine Oxidase Inhibitor. <i>Acta Naturae</i> , 2020, 12, 140-144.	1.7	2
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