Inna Karpenko

List of Publications by Year
in descending order

33 papers	595 citations	687220 13 h-index	642610 23 g-index
42 all docs	42 docs citations	42 times ranked	740 citing authors

#	Article	IF	Citations
1	HCV Core Protein Uses Multiple Mechanisms to Induce Oxidative Stress in Human Hepatoma Huh7 Cells. Viruses, 2015, 7, 2745-2770.	1.5	71
2	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.	1.4	64
3	DEAD-box RNA Helicase DDX3: Functional Properties and Development of DDX3 Inhibitors as Antiviral and Anticancer Drugs. Molecules, 2020, 25, 1015.	1.7	54
4	The synthesis and antituberculosis activity of 5â€²-nor carbocyclic uracil derivatives. Bioorganic and Medicinal Chemistry, 2012, 20, 6680-6686.	1.4	49
5	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.	1.4	41
6	Intracellular metabolism and pharmacokinetics of 5â€²-hydrogenphosphonate of 3â€²-azido-2â€²,3â€²-dideoxythymidine, a prodrug of 3â€²-azido-2â€²,3â€²-dideoxythymidine. Antiviral Research, 2004, 63, 107-113.	1.9	26
7	1,2,4-Triazoloazine derivatives as a new type of herpes simplex virus inhibitors. Bioorganic Chemistry, 2010, 38, 265-270.	2.0	23
8	ANTI-HIV ACTIVITY OF NOVEL PHOSPHONATE DERIVATIVES OF AZT, d4T, AND ddA. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 767-769.	0.4	22
9	Cultivation of Cells in a Physiological Plasmax Medium Increases Mitochondrial Respiratory Capacity and Reduces Replication Levels of RNA Viruses. Antioxidants, 2022, 11, 97.	2.2	20
10	Antiherpetic Properties of Acyclovir 5â€²â€Hydrogenphosphonate and the Mutation Analysis of Herpes Virus Resistant Strains. Chemical Biology and Drug Design, 2009, 74, 382-389.	1.5	18
11	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.	0.3	17
12	5â€Arylaminouracil Derivatives: New Inhibitors of <i>Mycobacterium tuberculosis</i>. Chemical Biology and Drug Design, 2015, 86, 1387-1396.	1.5	16
13	Peroxiredoxinsâ€"The Underrated Actors during Virus-Induced Oxidative Stress. Antioxidants, 2021, 10, 977.	2.2	16
14	Synthesis of water-soluble prodrugs of 5-modified 2Ê¹-deoxyuridines and their antibacterial activity. Journal of Antibiotics, 2020, 73, 236-246.	1.0	14
15	Synthesis and Antiâ€HIV Properties of New Carbamate Prodrugs of AZT. Chemical Biology and Drug Design, 2012, 80, 947-952.	1.5	13
16	Synthesis and Antiherpetic Activity of Acyclovir Phosphonates. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 319-328.	0.4	11
17	Cell Metabolism of Acyclovir Phosphonate Derivatives and Antiherpesvirus Activity of their Combinations with ?2-Interferon. Chemical Biology and Drug Design, 2007, 69, 429-434.	1.5	11
18	Synthesis of acyclic nucleoside analogues based on 1,2,4-triazolo[1,5-a]pyrimidin-7-ones by one-step VorbrÃ¼ggen glycosylation. Tetrahedron, 2014, 70, 1298-1305.	1.0	11

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19	<i>P</i>-(Alkyl)-Nucleoside 5â€²-Hydrogenphosphonates as Depot Forms of Antiviral Nucleotide Analogues. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1795-1804.	0.4	10
20	Novel 5-substituted derivatives of 2â€™-deoxy-6-azauridine with antibacterial activity. Journal of Antibiotics, 2019, 72, 535-544.	1.0	9
21	Adenosine N1-Oxide Analogues as Inhibitors of Orthopox Virus Replication. Collection of Czechoslovak Chemical Communications, 2006, 71, 1107-1121.	1.0	8
22	New 5-modified 2â€²-deoxyuridine derivatives: synthesis and antituberculosis activity. Russian Chemical Bulletin, 2014, 63, 1197-1200.	0.4	7
23	A new antiviral: Chimeric 3TCâ€“AZT phosphonate efficiently inhibits HIV-1 in human tissues ex vivo. Antiviral Research, 2014, 109, 125-131.	1.9	7
24	Discovery of novel N4-alkylcytidines as promising antimicrobial agents. European Journal of Medicinal Chemistry, 2021, 215, 113212.	2.6	7
25	3â€²-Amino modifications enhance the antifungal properties of <i>N</i>⁴-alkyl-5-methylcytidines for potential biocides. New Journal of Chemistry, 2022, 46, 5614-5626.	1.4	6
26	5â€²â€Phosphonate Derivatives of 2â€²,3â€²â€Dideoxyâ€3â€²â€Thiacytidine as New Antiâ€HIV Prodrugs. Chemical Biology and Drug Design, 2011, 78, 50-56.	1.5	5
27	New Dinucleoside Phosphonate Derivatives as Prodrugs of 3â€²-Azido-3â€²-Deoxythymidine andÎ²-L-2â€²,3â€²-Dideoxy-3â€²-Thiacytidine: Synthesis and Anti-HIV Properties. Nucleosides, Nucleotides and Nucleic Acids, 2014, 33, 64-79.	0.4	5
28	Glycol and Phosphate Depot Forms of 4- and/or 5-Modified Nucleosides Exhibiting Antibacterial Activity. Molecular Biology, 2021, 55, 143-153.	0.4	4
29	The Synthesis and Antiherpetic Activity of Acyclovir Phosphonate Esters. Russian Journal of Bioorganic Chemistry, 2004, 30, 539-546.	0.3	2
30	Acyclovir phosphoramidates as potential anti-HIV drugs. Russian Chemical Bulletin, 2014, 63, 1192-1196.	0.4	2
31	The immune response to the novel coronavirus infection. Journal of Clinical Practice, 2021, 12, 33-40.	0.2	2
32	Synthesis and antimicrobial properties of 5,5â€²-modified 2â€²,5â€²-dideoxyuridines. Heterocyclic Communications, 2015, 21, 297-301.	0.6	1
33	5-Alkylthiomethyl Derivatives of 2'-Deoxyuridine: Synthesis and Antibacterial Activity. Russian Journal of Bioorganic Chemistry, 2020, 46, 133-138.	0.3	1