

Alexander V Ivanov

List of Publications by Year in descending order

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84
papers

2,784
citations

257450

24
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197818

49
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87
all docs

87
docs citations

87
times ranked

4815
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox Biology of Respiratory Viral Infections. <i>Viruses</i> , 2018, 10, 392.	3.3	290
2	Oxidative Stress during HIV Infection: Mechanisms and Consequences. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-18.	4.0	248
3	SARS-CoV-2 Epitopes Are Recognized by a Public and Diverse Repertoire of Human T Cell Receptors. <i>Immunity</i> , 2020, 53, 1245-1257.e5.	14.3	194
4	HCV and Oxidative Stress in the Liver. <i>Viruses</i> , 2013, 5, 439-469.	3.3	175
5	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.	2.5	138
6	Oxidative stress, a trigger of hepatitis C and B virus-induced liver carcinogenesis. <i>Oncotarget</i> , 2017, 8, 3895-3932.	1.8	126
7	Metabolic Hallmarks of Hepatic Stellate Cells in Liver Fibrosis. <i>Cells</i> , 2020, 9, 24.	4.1	116
8	Oxidative Stress in Infection and Consequent Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-3.	4.0	107
9	PABP enhances release factor recruitment and stop codon recognition during translation termination. <i>Nucleic Acids Research</i> , 2016, 44, 7766-7776.	14.5	99
10	HCV Core Protein Uses Multiple Mechanisms to Induce Oxidative Stress in Human Hepatoma Huh7 Cells. <i>Viruses</i> , 2015, 7, 2745-2770.	3.3	71
11	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.	3.2	64
12	DEAD-box RNA Helicase DDX3: Functional Properties and Development of DDX3 Inhibitors as Antiviral and Anticancer Drugs. <i>Molecules</i> , 2020, 25, 1015.	3.8	54
13	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.	1.3	53
14	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.	2.6	49
15	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.	4.0	46
16	Nucleic acid lateral flow assay with recombinase polymerase amplification: Solutions for highly sensitive detection of RNA virus. <i>Talanta</i> , 2020, 210, 120616.	5.5	46
17	Glutathione peroxidase 4 is reversibly induced by HCV to control lipid peroxidation and to increase virion infectivity. <i>Gut</i> , 2016, 65, 144-154.	12.1	45
18	RNA helicase DDX19 stabilizes ribosomal elongation and termination complexes. <i>Nucleic Acids Research</i> , 2017, 45, 1307-1318.	14.5	42

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19	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.	3.3	41
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.	3.0	37
21	Nonstructural Protein 1 of Tick-Borne Encephalitis Virus Induces Oxidative Stress and Activates Antioxidant Defense by the Nrf2/ARE Pathway. <i>Intervirology</i> , 2016, 59, 111-117.	2.8	29
22	N1,N3-disubstituted uracils as nonnucleoside inhibitors of HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1150-1158.	3.0	28
23	Key significance of DNA-target size in lateral flow assay coupled with recombinase polymerase amplification. <i>Analytica Chimica Acta</i> , 2020, 1102, 109-118.	5.4	28
24	Uncharged AZT and D4T Derivatives of Phosphonoformic and Phosphonoacetic Acids as Anti-HIV Pronucleosides. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3606-3614.	6.4	27
25	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.	4.1	26
26	Eukaryotic translation elongation factor 2 (eEF2) catalyzes reverse translocation of the eukaryotic ribosome. <i>Journal of Biological Chemistry</i> , 2018, 293, 5220-5229.	3.4	25
27	Polyadenylate-binding protein's interacting proteins PAIP1 and PAIP2 affect translation termination. <i>Journal of Biological Chemistry</i> , 2019, 294, 8630-8639.	3.4	25
28	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.	2.1	24
29	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.	4.0	21
30	Isolation of a panel of ultra-potent human antibodies neutralizing SARS-CoV-2 and viral variants of concern. <i>Cell Discovery</i> , 2021, 7, 96.	6.7	21
31	The Potential Use of Isothermal Amplification Assays for In-Field Diagnostics of Plant Pathogens. <i>Plants</i> , 2021, 10, 2424.	3.5	20
32	Cultivation of Cells in a Physiological Plasmax Medium Increases Mitochondrial Respiratory Capacity and Reduces Replication Levels of RNA Viruses. <i>Antioxidants</i> , 2022, 11, 97.	5.1	20
33	1-Benzyl derivatives of 5-(arylamino)uracils as anti-HIV-1 and anti-EBV agents. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 8310-8314.	3.0	19
34	Multiplex Assay of Viruses Integrating Recombinase Polymerase Amplification, Barcode's Anti-Barcode Pairs, Blocking Anti-Primers, and Lateral Flow Assay. <i>Analytical Chemistry</i> , 2021, 93, 13641-13650.	6.5	19
35	Synthesis and evaluation of novel lipopeptide as a vehicle for efficient gene delivery and gene silencing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 102, 159-167.	4.3	18
36	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.	2.2	17

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37	Novel 5-alkyl(aryl)-substituted ribavirine analogues: synthesis and antiviral evaluation. <i>Mendeleev Communications</i> , 2016, 26, 214-216.	1.6	16
38	Peroxiredoxins – The Underrated Actors during Virus-Induced Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 977.	5.1	16
39	Stabilization of eukaryotic ribosomal termination complexes by deacylated tRNA. <i>Nucleic Acids Research</i> , 2015, 43, 3332-3343.	14.5	15
40	Exploration of acetanilide derivatives of 1-(1-phenoxymethyl)uracils as novel inhibitors of Hepatitis C Virus replication. <i>Scientific Reports</i> , 2016, 6, 29487.	3.3	15
41	Microarray-Based Detection of Antibodies against SARS-CoV-2 Proteins, Common Respiratory Viruses and Type I Interferons. <i>Viruses</i> , 2021, 13, 2553.	3.3	15
42	Scaffold hopping: Exploration of acetanilide-containing uracil analogues as potential NNRTIs. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1069-1081.	3.0	14
43	Development of lateral flow assay combined with recombinase polymerase amplification for highly sensitive detection of <i>Dickeya solani</i> . <i>Molecular and Cellular Probes</i> , 2020, 53, 101622.	2.1	14
44	Virion-Associated Polyamines Transmit with Bunyaviruses to Maintain Infectivity and Promote Entry. <i>ACS Infectious Diseases</i> , 2020, 6, 2490-2501.	3.8	14
45	The successful immune response against hepatitis C nonstructural protein 5A (NS5A) requires heterologous DNA/protein immunization. <i>Vaccine</i> , 2010, 28, 1987-1996.	3.8	13
46	Biogenic polyamines spermine and spermidine activate RNA polymerase and inhibit RNA helicase of hepatitis C virus. <i>Biochemistry (Moscow)</i> , 2012, 77, 1172-1180.	1.5	13
47	Activation of Polyamine Catabolism by N1,N11-Diethylnorspermine in Hepatic HepaRG Cells Induces Dedifferentiation and Mesenchymal-Like Phenotype. <i>Cells</i> , 2018, 7, 275.	4.1	13
48	Recombinase polymerase amplification combined with a magnetic nanoparticle-based immunoassay for fluorometric determination of troponin T. <i>Mikrochimica Acta</i> , 2019, 186, 549.	5.0	13
49	Genetically Modified Mouse Mesenchymal Stem Cells Expressing Non-Structural Proteins of Hepatitis C Virus Induce Effective Immune Response. <i>Vaccines</i> , 2020, 8, 62.	4.4	13
50	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.	3.8	12
51	Synthesis and Antiherpetic Activity of Acyclovir Phosphonates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 319-328.	1.1	11
52	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.	4.1	11
53	Hypophosphoric acid is a unique substrate of pyrophosphorolysis catalyzed by HIV-1 reverse transcriptase. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1335-1341.	2.1	10
54	Hepatitis C virus helicase/NTPase: an efficient expression system and new inhibitors. <i>Biochemistry (Moscow)</i> , 2008, 73, 660-668.	1.5	10

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55	5â€²-Nor carbocyclic nucleosides: unusual nonnucleoside inhibitors of HIV-1 reverse transcriptase. <i>MedChemComm</i> , 2013, 4, 741.	3.4	10
56	The Challenge for Rapid Detection of High-Structured Circular RNA: Assay of Potato Spindle Tuber Viroid Based on Recombinase Polymerase Amplification and Lateral Flow Tests. <i>Plants</i> , 2020, 9, 1369.	3.5	10
57	Hepatitis C virus NS5A protein modulates template selection by the RNA polymerase in in vitro system. <i>FEBS Letters</i> , 2009, 583, 277-280.	2.8	9
58	Recombinase Polymerase Amplification Assay with and without Nuclease-Dependent-Labeled Oligonucleotide Probe. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11885.	4.1	9
59	Rapid Full-Cycle Technique to Control Adulteration of Meat Products: Integration of Accelerated Sample Preparation, Recombinase Polymerase Amplification, and Test-Strip Detection. <i>Molecules</i> , 2021, 26, 6804.	3.8	9
60	Fusion to Flaviviral Leader Peptide Targets HIV-1 Reverse Transcriptase for Secretion and Reduces Its Enzymatic Activity and Ability to Induce Oxidative Stress but Has No Major Effects on Its Immunogenic Performance in DNA-Immunized Mice. <i>Journal of Immunology Research</i> , 2017, 2017, 1-16.	2.2	7
61	Hepatitis C Virus RNA-Dependent RNA Polymerase Is Regulated by Cysteine S-Glutathionylation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	4.0	7
62	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.	2.6	6
63	Redox Biology of Infection and Consequent Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-4.	4.0	6
64	New Non-nucleoside Inhibitors of Hepatitis C Virus RNA-Dependent RNA Polymerase. <i>Biochemistry (Moscow)</i> , 2004, 69, 782-788.	1.5	5
65	Hepatitis C virus RNA-dependent RNA polymerase: Study on the inhibition mechanism by pyrogallol derivatives. <i>Biochemistry (Moscow)</i> , 2006, 71, 1021-1026.	1.5	4
66	The Immunogenicity in Mice of HCV Core Delivered as DNA Is Modulated by Its Capacity to Induce Oxidative Stress and Oxidative Stress Response. <i>Cells</i> , 2019, 8, 208.	4.1	4
67	Discovery of a novel role of tumor suppressor PDCD4 in stimulation of translation termination. <i>Journal of Biological Chemistry</i> , 2021, 297, 101269.	3.4	4
68	SAFETY AND EFFICACY OF CONVALESCENT PLASMA FOR COVID-19: THE FIRST RESULTS OF A CLINICAL STUDY. <i>Journal of Clinical Practice</i> , 0, , .	0.6	4
69	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.	0.9	3
70	Synthesis and Anti-HIV-1 Activity of 1-[¹⁸ O]-(Phenoxy)Alkyl and -Alkenyl]Uracil Derivatives. <i>Pharmaceutical Chemistry Journal</i> , 2013, 47, 459-463.	0.8	3
71	Mesenchymal Stem Cells Can Both Enhance and Inhibit the Cellular Response to DNA Immunization by Genes of Nonstructural Proteins of the Hepatitis C Virus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8121.	4.1	3
72	The Synthesis and Antiherpetic Activity of Acyclovir Phosphonate Esters. <i>Russian Journal of Bioorganic Chemistry</i> , 2004, 30, 539-546.	1.0	2

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73	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.	4.1	2
74	Oxidative Stress in Hepatitis C Infection. , 2018, , 1-13.		2
75	Expression of the Reverse Transcriptase Domain of Telomerase Reverse Transcriptase Induces Lytic Cellular Response in DNA-Immunized Mice and Limits Tumorigenic and Metastatic Potential of Murine Adenocarcinoma 4T1 Cells. <i>Vaccines</i> , 2020, 8, 318.	4.4	2
76	The immune response to the novel coronavirus infection. <i>Journal of Clinical Practice</i> , 2021, 12, 33-40.	0.6	2
77	Biogenic Polyamines and Related Metabolites. <i>Biomolecules</i> , 2022, 12, 14.	4.0	2
78	Assessment of Diagnostic Specificity of Anti-SARS-CoV-2 Antibody Tests and Their Application for Monitoring of Seroconversion and Stability of Antiviral Antibody Response in Healthcare Workers in Moscow. <i>Microorganisms</i> , 2022, 10, 429.	3.6	2
79	Comparative study of magnetic beads and microplates as supports in heterogeneous amplified assay of miRNA-141 by using mismatched catalytic hairpin assembly reaction. <i>Talanta</i> , 2022, 247, 123535.	5.5	2
80	Structuralâ€”Functional Relationships between Terminal Deoxynucleotidyltransferase and 5â€²-Triphosphates of Nucleoside Analogs. <i>Biochemistry (Moscow)</i> , 2005, 70, 890-896.	1.5	1
81	Synthesis of Novel Alkyl Triphosphates and Their Substrate Properties Toward Terminal Deoxynucleotidyltransferase. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 323-334.	1.1	1
82	Enhancement of the immune response by codelivery of hepatitis C virus recombinant DNA and proteins of the replicative complex. <i>Molecular Genetics, Microbiology and Virology</i> , 2015, 30, 39-47.	0.3	1
83	Difluoromethylornithine (DFMO), an Inhibitor of Polyamine Biosynthesis, and Antioxidant N-Acetylcysteine Potentiate Immune Response in Mice to the Recombinant Hepatitis C Virus NS5B Protein. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6892.	4.1	1
84	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. <i>Russian Chemical Bulletin</i> , 2013, 62, 797-801.	1.5	0