Denis E Kainov

List of Publications by Year
in descending order

84	2,883	182225	232693
papers	citations	30 h-index	48 g-index

102	102	102	4653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery and development of safe-in-man broad-spectrum antiviral agents. International Journal of Infectious Diseases, 2020, 93, 268-276.	1.5	169
2	Atomic Snapshots of an RNA Packaging Motor Reveal Conformational Changes Linking ATP Hydrolysis to RNA Translocation. Cell, 2004, 118, 743-755.	13.5	151
3	Epitope-resolved profiling of the SARS-CoV-2 antibody response identifies cross-reactivity with endemic human coronaviruses. Cell Reports Medicine, 2021, 2, 100189.	3.3	149
4	Influenza Virus Infection, Interferon Response, Viral Counter-Response, and Apoptosis. Viruses, 2017, 9, 223.	1.5	92
5	Potential Antiviral Options against SARS-CoV-2 Infection. Viruses, 2020, 12, 642.	1.5	92
6	Obatoclax, saliphenylhalamide and gemcitabine inhibit Zika virus infection inÂvitro and differentially affect cellular signaling, transcription and metabolism. Antiviral Research, 2017, 139, 117-128.	1.9	88
7	Low Temperature and Low UV Indexes Correlated with Peaks of Influenza Virus Activity in Northern Europe during 2010â€“2018. Viruses, 2019, 11, 207.	1.5	81
8	Obatoclax, Saliphenylhalamide, and Gemcitabine Inhibit Influenza A Virus Infection. Journal of Biological Chemistry, 2012, 287, 35324-35332.	1.6	80
9	Emerging cellular targets for influenza antiviral agents. Trends in Pharmacological Sciences, 2012, 33, 89-99.	4.0	75
10	Inhibition of Influenza A Virus Infection in Vitro by Saliphenylhalamide-Loaded Porous Silicon Nanoparticles. ACS Nano, 2013, 7, 6884-6893.	7.3	71
11	Novel Antiviral Activities of Obatoclax, Emetine, Niclosamide, Brequinar, and Homoharringtonine. Viruses, 2019, 11, 964.	1.5	68
12	Common Nodes of Virusâ€“Host Interaction Revealed Through an Integrated Network Analysis. Frontiers in Immunology, 2019, 10, 2186.	2.2	67
13	Phosphoproteomics to Characterize Host Response During Influenza A Virus Infection of Human Macrophages. Molecular and Cellular Proteomics, 2016, 15, 3203-3219.	2.5	66
14	Novel activities of safe-in-human broad-spectrum antiviral agents. Antiviral Research, 2018, 154, 174-182.	1.9	64
15	Functional visualization of viral molecular motor by hydrogen-deuterium exchange reveals transient states. Nature Structural and Molecular Biology, 2005, 12, 460-466.	3.6	57
16	The proton translocation domain of cellular vacuolar ATPase provides a target for the treatment of influenza A virus infections. British Journal of Pharmacology, 2011, 164, 344-357.	2.7	57
17	RNA Packaging Device of Double-stranded RNA Bacteriophages, Possibly as Simple as Hexamer of P4 Protein. Journal of Biological Chemistry, 2003, 278, 48084-48091.	1.6	56
18	Regulation of kynurenine biosynthesis during influenza virus infection. FEBS Journal, 2017, 284, 222-236.	2.2	56

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19	Structural basis for group A trichothiodystrophy. Nature Structural and Molecular Biology, 2008, 15, 980-984.	3.6	54
20	Screening of FDA-Approved Drugs Using a MERS-CoV Clinical Isolate from South Korea Identifies Potential Therapeutic Options for COVID-19. Viruses, 2021, 13, 651.	1.5	50
21	Hexameric molecular motors: P4 packaging ATPase unravels the mechanism. Cellular and Molecular Life Sciences, 2006, 63, 1095-1105.	2.4	49
22	Identification and Tracking of Antiviral Drug Combinations. Viruses, 2020, 12, 1178.	1.5	48
23	Drug Combinations as a First Line of Defense against Coronaviruses and Other Emerging Viruses. MBio, 2021, 12, e0334721.	1.8	45
24	Conserved Intermediates on the Assembly Pathway of Double-stranded RNA Bacteriophages. Journal of Molecular Biology, 2003, 328, 791-804.	2.0	44
25	Anticancer compound ABT-263 accelerates apoptosis in virus-infected cells and imbalances cytokine production and lowers survival rates of infected mice. Cell Death and Disease, 2013, 4, e742-e742.	2.7	41
26	JNJ872 inhibits influenza A virus replication without altering cellular antiviral responses. Antiviral Research, 2016, 133, 23-31.	1.9	40
27	Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins. Viruses, 2017, 9, 271.	1.5	39
28	Akt Inhibitor MK2206 Prevents Influenza pH1N1 Virus Infection In Vitro. Antimicrobial Agents and Chemotherapy, 2014, 58, 3689-3696.	1.4	38
29	Stochastic Detection of Motor Proteinâ€“RNA Complexes by Singleâ€Channel Current Recording. ChemPhysChem, 2007, 8, 2189-2194.	1.0	34
30	Packaging motor from double-stranded RNA bacteriophage Â12 acts as an obligatory passive conduit during transcription. Nucleic Acids Research, 2004, 32, 3515-3521.	6.5	32
31	Interaction of packaging motor with the polymerase complex of dsRNA bacteriophage. Virology, 2006, 351, 73-79.	1.1	31
32	Expanding the activity spectrum of antiviral agents. Drug Discovery Today, 2019, 24, 1224-1228.	3.2	31
33	Structural Basis of Mechanochemical Coupling in a Hexameric Molecular Motor. Journal of Biological Chemistry, 2008, 283, 3607-3617.	1.6	30
34	Oncogenic Herpesvirus Utilizes Stress-Induced Cell Cycle Checkpoints for Efficient Lytic Replication. PLoS Pathogens, 2016, 12, e1005424.	2.1	30
35	Enzymatic Mechanism of RNA Translocation in Double-stranded RNA Bacteriophages. Journal of Biological Chemistry, 2004, 279, 1343-1350.	1.6	29
36	Influenza virus NS1 protein binds cellular DNA to block transcription of antiviral genes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1440-1448.	0.9	29

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37	A technique to increase protein yield in a rabbit reticulocyte lysate translation system. BioTechniques, 2014, 56, 36-39.	0.8	28
38	Recapitulating hepatitis E virusâ€“host interactions and facilitating antiviral drug discovery in human liverâ€“derived organoids. Science Advances, 2022, 8, eabj5908.	4.7	28
39	Differential Effects of NS1 Proteins of Human Pandemic H1N1/2009, Avian Highly Pathogenic H5N1, and Low Pathogenic H5N2 Influenza A Viruses on Cellular Pre-mRNA Polyadenylation and mRNA Translation. Journal of Biological Chemistry, 2011, 286, 7239-7247.	1.6	25
40	Technique for strand-specific gene-expression analysis and monitoring of primer-independent cDNA synthesis in reverse transcription. BioTechniques, 2012, 52, 263-270.	0.8	24
41	Tracking in atomic detail the functional specializations in viral RecA helicases that occur during evolution. Nucleic Acids Research, 2013, 41, 9396-9410.	6.5	23
42	Genome-Wide Analysis of Evolutionary Markers of Human Influenza A(H1N1)pdm09 and A(H3N2) Viruses May Guide Selection of Vaccine Strain Candidates. Genome Biology and Evolution, 2015, 7, 3472-3483.	1.1	23
43	Multi-Omics Studies towards Novel Modulators of Influenza A Virusâ€“Host Interaction. Viruses, 2016, 8, 269.	1.5	23
44	Drug screening identified gemcitabine inhibiting hepatitis E virus by inducing interferon-like response via activation of STAT1 phosphorylation. Antiviral Research, 2020, 184, 104967.	1.9	23
45	Molecular evolution and epidemiology of echovirus 6 in Finland. Infection, Genetics and Evolution, 2013, 16, 234-247.	1.0	21
46	Drug screening identifies gemcitabine inhibiting rotavirus through alteration of pyrimidine nucleotide synthesis pathway. Antiviral Research, 2020, 180, 104823.	1.9	20
47	Synergistic Interferon-Alpha-Based Combinations for Treatment of SARS-CoV-2 and Other Viral Infections. Viruses, 2021, 13, 2489.	1.5	20
48	Mono- and combinational drug therapies for global viral pandemic preparedness. IScience, 2022, 25, 104112.	1.9	19
49	The C terminus of NS1 protein of influenza A/WSN/1933(H1N1) virus modulates antiviral responses in infected human macrophages and mice. Journal of General Virology, 2015, 96, 2086-2091.	1.3	16
50	Immuno-modulating properties of saliphenylhalamide, SNS-032, obatoclax, and gemcitabine. Antiviral Research, 2016, 126, 69-80.	1.9	16
51	Regulatory C protein of the EcoRV modification-restriction system. Biochemistry (Moscow), 2003, 68, 105-110.	0.7	15
52	Nafamostatâ€“Interferon-Î± Combination Suppresses SARS-CoV-2 Infection In Vitro and In Vivo by Cooperatively Targeting Host TMPRSS2. Viruses, 2021, 13, 1768.	1.5	15
53	DrugVirus.info 2.0: an integrative data portal for broad-spectrum antivirals (BSA) and BSA-containing drug combinations (BCCs). Nucleic Acids Research, 2022, 50, W272-W275.	6.5	15
54	The impact of pollen load on quality of life: a questionnaire-based study in Lithuania. Aerobiologia, 2016, 32, 157-170.	0.7	14

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55	Neural signaling modulates metabolism of gastric cancer. IScience, 2021, 24, 102091.	1.9	14
56	Locating the minor components of double-stranded RNA bacteriophageÏ•6 by neutron scattering. Journal of Applied Crystallography, 2003, 36, 525-529.	1.9	13
57	Production, crystallization and preliminary X-ray crystallographic studies of the bacteriophage Ï•12 packaging motor. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 588-590.	2.5	13
58	Interacting partners of the Tfb2 subunit from yeast TFIIH. DNA Repair, 2010, 9, 33-39.	1.3	13
59	Chemical, Physical and Biological Triggers of Evolutionary Conserved Bcl-xL-Mediated Apoptosis. Cancers, 2020, 12, 1694.	1.7	13
60	Full-Genome Sequences of Influenza A(H1N1)pdm09 Viruses Isolated from Finnish Patients from 2009 to 2013. Genome Announcements, 2014, 2, .	0.8	12
61	Serum Biomarkers of Allergic Contact Dermatitis: A Pilot Study. International Archives of Allergy and Immunology, 2015, 168, 161-164.	0.9	11
62	A Systems Approach to Study Immuno- and Neuro-Modulatory Properties of Antiviral Agents. Viruses, 2018, 10, 423.	1.5	10
63	Comparative Analysis of Whole-Genome Sequences of Influenza A(H1N1)pdm09 Viruses Isolated from Hospitalized and Nonhospitalized Patients Identifies Missense Mutations That Might Be Associated with Patient Hospital Admissions in Finland during 2009 to 2014. Genome Announcements, 2015, 3, .	0.8	8
64	Ivermectin effectively inhibits hepatitis E virus replication, requiring the host nuclear transport protein importin Î±1. Archives of Virology, 2021, 166, 2005-2010.	0.9	8
65	Activation of Tryptophan and Phenylalanine Catabolism in the Remission Phase of Allergic Contact Dermatitis: A Pilot Study. International Archives of Allergy and Immunology, 2016, 170, 262-268.	0.9	7
66	Protein profiling of nasopharyngeal aspirates of hospitalized and outpatients revealed cytokines associated with severe influenza A(H1N1)pdm09 virus infections: A pilot study. Cytokine, 2016, 86, 10-14.	1.4	7
67	Computational Drug Repositioning and Experimental Validation of Ivermectin in Treatment of Gastric Cancer. Frontiers in Pharmacology, 2021, 12, 625991.	1.6	7
68	Broad-Spectrum Antivirals and Antiviral Drug Combinations. Viruses, 2022, 14, 301.	1.5	7
69	Genetic Instability of Influenza pH1N1 Viruses. Genome Announcements, 2014, 2, .	0.8	5
70	Influenza pH1N1 Virus Accumulated H275Y Mutation in Neuraminidase during Propagation in MDCK Cells. Genome Announcements, 2014, 2, .	0.8	5
71	A new high-content screening assay of the entire hepatitis B virus life cycle identifies novel antivirals. JHEP Reports, 2021, 3, 100296.	2.6	5
72	Order and disorder in crystals of hexameric NTPases from dsRNA bacteriophages. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 2337-2341.	2.5	4

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73	Structure determination of the minimal complex between Tfb5 and Tfb2, two subunits of the yeast transcription/DNA-repair factor TFIIH: a retrospective study. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 745-755.	2.5	4
74	Genetic Loci Associated with Allergic Sensitization in Lithuanians. PLoS ONE, 2015, 10, e0134188.	1.1	4
75	Crystallization and preliminary X-ray diffraction analysis of bacteriophage Ï•12 packaging factor P7. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2368-2370.	2.5	3
76	Complete Genome Sequences of Influenza A/H1N1 Strains Isolated from Patients during the 2013-2014 Epidemic Season in Finland. Genome Announcements, 2015, 3, .	0.8	3
77	Active Components of Commonly Prescribed Medicines Affect Influenza A Virusâ€“Host Cell Interaction: A Pilot Study. Viruses, 2021, 13, 1537.	1.5	3
78	DNA Damage Response. Biomolecules, 2021, 11, 123.	1.8	2
79	Full-Genome Sequences of Influenza H3N2 Virus Strains Isolated from Finnish Patients during the 2012-2013 Epidemic Season. Genome Announcements, 2014, 2, .	0.8	1
80	Safe-in-Man Broad Spectrum Antiviral Agents. Advances in Experimental Medicine and Biology, 2021, 1322, 313-337.	0.8	1
81	In VitroAssembly of Bacteriophages: Folding, Kinetic Control and Intermediates. Journal of Theoretical Medicine, 2005, 6, 139-139.	0.5	0
82	The Nature Of Influenza Virus Virulence/Pathogenicity. Biophysical Journal, 2009, 96, 420a.	0.2	0
83	Single Passage of Human Metapneumovirus in LLC-MK2 Cells Does Not Affect Viral Protein-Coding Capacity. Genome Announcements, 2018, 6, .	0.8	0
84	Rask eliminasjon av SARS-CoV-2 hos fullvaksinert pasient. Tidsskrift for Den Norske Laegeforening, 2022, 142, .	0.2	0