

Crystal structure of an avian influenza polymerase PAN site

Nature

458, 909-913

DOI: [10.1038/nature07720](https://doi.org/10.1038/nature07720)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Identification of a PA-Binding Peptide with Inhibitory Activity against Influenza A and B Virus Replication. PLoS ONE, 2009, 4, e7517.	1.1	75
2	Nucleoside Monophosphate Complex Structures of the Endonuclease Domain from the Influenza Virus Polymerase PA Subunit Reveal the Substrate Binding Site inside the Catalytic Center. Journal of Virology, 2009, 83, 9024-9030.	1.5	56
3	Attenuated Strains of Influenza A Viruses Do Not Induce Degradation of RNA Polymerase II. Journal of Virology, 2009, 83, 11166-11174.	1.5	31
4	Adaptive strategies of the influenza virus polymerase for replication in humans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21312-21316.	3.3	325
5	Comparative aspects of infectious salmon anemia virus, an orthomyxovirus of fish, to influenza viruses. Indian Journal of Microbiology, 2009, 49, 308-314.	1.5	15
6	Structure-function studies of the influenza virus RNA polymerase PA subunit. Science in China Series C: Life Sciences, 2009, 52, 450-458.	1.3	28
7	A quantitative strategy to detect changes in accessibility of protein regions to chemical modification on heterodimerization. Protein Science, 2009, 18, 1448-1458.	3.1	11
8	Structural insight into the essential PB1-PB2 subunit contact of the influenza virus RNA polymerase. EMBO Journal, 2009, 28, 1803-1811.	3.5	167
9	Attacking the flu: New prospects for the rational design of antivirals. Nature Medicine, 2009, 15, 1253-1254.	15.2	20
10	New clues for broad-spectrum flu combat. Nature Reviews Drug Discovery, 2009, 8, 276-277.	21.5	1
11	Getting to the end of RNA: Structural analysis of protein recognition of 5' and 3' termini. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 653-666.	0.9	21
12	Inhibition of highly pathogenic avian influenza virus H5N1 replication by the small interfering RNA targeting polymerase A gene. Biochemical and Biophysical Research Communications, 2009, 390, 421-426.	1.0	27
13	Emerging antiviral targets for influenza A virus. Trends in Pharmacological Sciences, 2009, 30, 269-277.	4.0	85
14	A Complicated Message: Identification of a Novel PB1-Related Protein Translated from Influenza A Virus Segment 2 mRNA. Journal of Virology, 2009, 83, 8021-8031.	1.5	318
15	Chapter 9 Viral Strategies to Subvert the Mammalian Translation Machinery. Progress in Molecular Biology and Translational Science, 2009, 90, 313-367.	0.9	28
16	Molecular Basis of the Interaction for an Essential Subunit PA-PB1 in Influenza Virus RNA Polymerase: Insights from Molecular Dynamics Simulation and Free Energy Calculation. Molecular Pharmaceutics, 2010, 7, 75-85.	2.3	78
17	Enzymology of RNA cap synthesis. Wiley Interdisciplinary Reviews RNA, 2010, 1, 152-172.	3.2	124
18	Towards an atomic resolution understanding of the influenza virus replication machinery. Current Opinion in Structural Biology, 2010, 20, 104-113.	2.6	95

#	ARTICLE	IF	CITATIONS
19	Genomics and structure/function studies of Rhabdoviridae proteins involved in replication and transcription. <i>Antiviral Research</i> , 2010, 87, 149-161.	1.9	57
20	Correlation between polymerase activity and pathogenicity in two duck H5N1 influenza viruses suggests that the polymerase contributes to pathogenicity. <i>Virology</i> , 2010, 401, 96-106.	1.1	66
21	Anti-influenza activity of phenethylphenylphthalimide analogs derived from thalidomide. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5379-5390.	1.4	38
22	Structure of YqqQ protein from <i>Bacillus subtilis</i> , a conserved hypothetical protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 8-11.	0.7	7
23	Structures of influenza A proteins and insights into antiviral drug targets. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 530-538.	3.6	292
24	Cap binding and immune evasion revealed by Lassa nucleoprotein structure. <i>Nature</i> , 2010, 468, 779-783.	13.7	237
25	Artificial Hybrids of Influenza A Virus RNA Polymerase Reveal PA Subunit Modulates Its Thermal Sensitivity. <i>PLoS ONE</i> , 2010, 5, e15140.	1.1	16
26	The Crystal Structure of Porcine Reproductive and Respiratory Syndrome Virus Nonstructural Protein Nsp1 ² Reveals a Novel Metal-Dependent Nuclease. <i>Journal of Virology</i> , 2010, 84, 6461-6471.	1.5	50
27	Cyclin T1/CDK9 Interacts with Influenza A Virus Polymerase and Facilitates Its Association with Cellular RNA Polymerase II. <i>Journal of Virology</i> , 2010, 84, 12619-12627.	1.5	53
28	Mutational and Metal Binding Analysis of the Endonuclease Domain of the Influenza Virus Polymerase PA Subunit. <i>Journal of Virology</i> , 2010, 84, 9096-9104.	1.5	81
29	Structural and Functional Characterization of an Influenza Virus RNA Polymerase-Genomic RNA Complex. <i>Journal of Virology</i> , 2010, 84, 10477-10487.	1.5	39
30	An N-Terminal Region of Lassa Virus L Protein Plays a Critical Role in Transcription but Not Replication of the Virus Genome. <i>Journal of Virology</i> , 2010, 84, 1934-1944.	1.5	53
31	Association of the Influenza Virus RNA Polymerase Subunit PB2 with the Host Chaperonin CCT. <i>Journal of Virology</i> , 2010, 84, 8691-8699.	1.5	68
32	Limited Compatibility of Polymerase Subunit Interactions in Influenza A and B Viruses. <i>Journal of Biological Chemistry</i> , 2010, 285, 16704-16712.	1.6	23
33	RNA Virus Replication Complexes. <i>PLoS Pathogens</i> , 2010, 6, e1000943.	2.1	34
34	The N-Terminal Domain of the Arenavirus L Protein Is an RNA Endonuclease Essential in mRNA Transcription. <i>PLoS Pathogens</i> , 2010, 6, e1001038.	2.1	145
35	Bunyaviridae RNA Polymerases (L-Protein) Have an N-Terminal, Influenza-Like Endonuclease Domain, Essential for Viral Cap-Dependent Transcription. <i>PLoS Pathogens</i> , 2010, 6, e1001101.	2.1	215
36	The role of the influenza virus RNA polymerase in host shut-off. <i>Virulence</i> , 2010, 1, 436-439.	1.8	42

#	ARTICLE	IF	CITATIONS
37	Splicing of influenza A virus NS1 mRNA is independent of the viral NS1 protein. <i>Journal of General Virology</i> , 2010, 91, 2331-2340.	1.3	45
38	Innate immune evasion strategies of influenza viruses. <i>Future Microbiology</i> , 2010, 5, 23-41.	1.0	148
39	Regulation of Influenza RNA Polymerase Activity and the Switch between Replication and Transcription by the Concentrations of the vRNA 5' End, the Cap Source, and the Polymerase. <i>Biochemistry</i> , 2010, 49, 10208-10215.	1.2	17
40	Influenza A Virus Polymerase: Structural Insights into Replication and Host Adaptation Mechanisms. <i>Journal of Biological Chemistry</i> , 2010, 285, 28411-28417.	1.6	170
41	Biochemical and kinetic analysis of the influenza virus RNA polymerase purified from insect cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 570-574.	1.0	20
42	Influenza A virus-generated small RNAs regulate the switch from transcription to replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11525-11530.	3.3	186
43	A User-Friendly Task Editor Environment for Large-scale Virtual Screening Application. , 2010, , .		1
44	The influenza virus RNA synthesis machine. <i>RNA Biology</i> , 2011, 8, 207-215.	1.5	176
45	A novel function of the N-terminal domain of PA in assembly of influenza A virus RNA polymerase. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 719-726.	1.0	6
46	Antisense oligonucleotides targeting the RNA binding region of the NP gene inhibit replication of highly pathogenic avian influenza virus H5N1. <i>International Immunopharmacology</i> , 2011, 11, 2057-2061.	1.7	22
47	Antisense oligonucleotide inhibits avian influenza virus H5N1 replication by single chain antibody delivery system. <i>Vaccine</i> , 2011, 29, 1558-1564.	1.7	11
48	The N terminus of PA polymerase of swine-origin influenza virus H1N1 determines its compatibility with PB2 and PB1 subunits through a strain-specific amino acid serine 186. <i>Virus Research</i> , 2011, 155, 325-333.	1.1	13
49	So similar, yet so different: Selective translation of capped and polyadenylated viral mRNAs in the influenza virus infected cell. <i>Virus Research</i> , 2011, 156, 1-12.	1.1	21
50	Nuclear localization of influenza B polymerase proteins and their binary complexes. <i>Virus Research</i> , 2011, 156, 49-53.	1.1	6
51	Heat Shock Protein 70 Inhibits the Activity of Influenza A Virus Ribonucleoprotein and Blocks the Replication of Virus In Vitro and In Vivo. <i>PLoS ONE</i> , 2011, 6, e16546.	1.1	61
52	Influenza Virus Infection Induces the Nuclear Relocalization of the Hsp90 Co-Chaperone p23 and Inhibits the Glucocorticoid Receptor Response. <i>PLoS ONE</i> , 2011, 6, e23368.	1.1	11
53	Screening Anti-influenza Agents that Target Avian Influenza Polymerase Protein PAC from Plant Extracts Based on NMR Methods. <i>Chemistry Letters</i> , 2011, 40, 801-803.	0.7	3
54	Multiple amino acid substitutions involved in enhanced pathogenicity of LPAI H9N2 in mice. <i>Infection, Genetics and Evolution</i> , 2011, 11, 1790-1797.	1.0	32

#	ARTICLE	IF	CITATIONS
55	Base-pairing promotes leader selection to prime in vitro influenza genome transcription. <i>Virology</i> , 2011, 409, 17-26.	1.1	38
56	Preferential use of RNA leader sequences during influenza A transcription initiation in vivo. <i>Virology</i> , 2011, 409, 27-32.	1.1	28
57	Polymerase activity of hybrid ribonucleoprotein complexes generated from reassortment between 2009 pandemic H1N1 and seasonal H3N2 influenza A viruses. <i>Virology Journal</i> , 2011, 8, 528.	1.4	2
58	Improvement of the H5N1 influenza virus vaccine strain to decrease the pathogenicity in chicken embryos. <i>Archives of Virology</i> , 2011, 156, 557-563.	0.9	2
59	Molecular mechanisms of transcription and replication of the influenza A virus genome. <i>Frontiers in Biology</i> , 2011, 6, 446-461.	0.7	2
60	The 2009 Influenza Pandemic: Promising Lessons For Antiviral Therapy For Future Outbreaks. <i>Current Medicinal Chemistry</i> , 2011, 18, 5466-5475.	1.2	13
61	Genomic RNAs of Borna disease virus are elongated on internal template motifs after realignment of the 3' termini. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7206-7211.	3.3	21
62	Domain Structure of Lassa Virus L Protein. <i>Journal of Virology</i> , 2011, 85, 324-333.	1.5	30
63	Recognition of Cap Structure by Influenza B Virus RNA Polymerase Is Less Dependent on the Methyl Residue than Recognition by Influenza A Virus Polymerase. <i>Journal of Virology</i> , 2011, 85, 7504-7512.	1.5	28
64	Structure of the Lassa Virus Nucleoprotein Revealed by X-ray Crystallography, Small-angle X-ray Scattering, and Electron Microscopy. <i>Journal of Biological Chemistry</i> , 2011, 286, 38748-38756.	1.6	47
65	Cellular Human CLE/C14orf166 Protein Interacts with Influenza Virus Polymerase and Is Required for Viral Replication. <i>Journal of Virology</i> , 2011, 85, 12062-12066.	1.5	40
66	Identification of High-Affinity PB1-Derived Peptides with Enhanced Affinity to the PA Protein of Influenza A Virus Polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 696-702.	1.4	52
67	Cellular cap-binding proteins associate with influenza virus mRNAs. <i>Journal of General Virology</i> , 2011, 92, 1627-1634.	1.3	38
68	Identification of new homologs of PD-(D/E)XK nucleases by support vector machines trained on data derived from profile-profile alignments. <i>Nucleic Acids Research</i> , 2011, 39, 1187-1196.	6.5	34
69	Early-warning signals for an outbreak of the influenza pandemic. <i>Chinese Physics B</i> , 2011, 20, 128701.	0.7	1
70	E339R416 salt bridge of nucleoprotein as a feasible target for influenza virus inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16515-16520.	3.3	73
71	Cap-snatching mechanism in yeast L-A double-stranded RNA virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17667-17671.	3.3	83
72	Targeting of the Influenza A Virus Polymerase PB1-PB2 Interface Indicates Strain-Specific Assembly Differences. <i>Journal of Virology</i> , 2011, 85, 13298-13309.	1.5	25

#	ARTICLE	IF	CITATIONS
73	The Splicing Factor Proline-Glutamine Rich (SFPQ/PSF) Is Involved in Influenza Virus Transcription. <i>PLoS Pathogens</i> , 2011, 7, e1002397.	2.1	69
74	PA Residues in the 2009 H1N1 Pandemic Influenza Virus Enhance Avian Influenza Virus Polymerase Activity in Mammalian Cells. <i>Journal of Virology</i> , 2011, 85, 7020-7028.	1.5	92
75	Coordinated Destruction of Cellular Messages in Translation Complexes by the Gammaherpesvirus Host Shutoff Factor and the Mammalian Exonuclease Xrn1. <i>PLoS Pathogens</i> , 2011, 7, e1002339.	2.1	85
76	Synergistic Adaptive Mutations in the Hemagglutinin and Polymerase Acidic Protein Lead to Increased Virulence of Pandemic 2009 H1N1 Influenza A Virus in Mice. <i>Journal of Infectious Diseases</i> , 2012, 205, 262-271.	1.9	59
77	Structural and Biochemical Basis for Development of Influenza Virus Inhibitors Targeting the PA Endonuclease. <i>PLoS Pathogens</i> , 2012, 8, e1002830.	2.1	127
78	Identification of BPR3P0128 as an Inhibitor of Cap-Snatching Activities of Influenza Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 647-657.	1.4	45
79	Architecture and regulation of negative-strand viral enzymatic machinery. <i>RNA Biology</i> , 2012, 9, 941-948.	1.5	27
80	Evolutionary Conservation of the PA-X Open Reading Frame in Segment 3 of Influenza A Virus. <i>Journal of Virology</i> , 2012, 86, 12411-12413.	1.5	104
81	Signatures of Host mRNA 5' Terminus for Efficient Hantavirus Cap Snatching. <i>Journal of Virology</i> , 2012, 86, 10173-10185.	1.5	40
82	Evasion of Influenza A Viruses from Innate and Adaptive Immune Responses. <i>Viruses</i> , 2012, 4, 1438-1476.	1.5	170
83	Organization of the Influenza Virus Replication Machinery. <i>Science</i> , 2012, 338, 1631-1634.	6.0	208
84	Viral enzymes containing magnesium: Metal binding as a successful strategy in drug design. <i>Coordination Chemistry Reviews</i> , 2012, 256, 3063-3086.	9.5	53
85	Endonuclease substrate selectivity characterized with full-length PA of influenza A virus polymerase. <i>Virology</i> , 2012, 433, 27-34.	1.1	38
86	The Role of Protein Structural Analysis in the Next Generation Sequencing Era. <i>Topics in Current Chemistry</i> , 2012, 336, 67-98.	4.0	13
87	Identification of Influenza Endonuclease Inhibitors Using a Novel Fluorescence Polarization Assay. <i>ACS Chemical Biology</i> , 2012, 7, 526-534.	1.6	78
88	A Small-RNA Enhancer of Viral Polymerase Activity. <i>Journal of Virology</i> , 2012, 86, 13475-13485.	1.5	53
89	Bunyavirus: Structure and Replication. <i>Advances in Experimental Medicine and Biology</i> , 2012, 726, 245-266.	0.8	61
90	Two mutations in the C-terminal domain of influenza virus RNA polymerase PB2 enhance transcription by enhancing cap-1 RNA binding activity. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 78-83.	0.9	9

#	ARTICLE	IF	CITATIONS
91	Pharmacophore Mode ligand Virtual Screening to Design the Potential Influenza Virus Endonuclease Inhibitors. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1430-1438.	0.8	0
92	PA from an H5N1 highly pathogenic avian influenza virus activates viral transcription and replication and induces apoptosis and interferon expression at an early stage of infection. <i>Virology Journal</i> , 2012, 9, 106.	1.4	9
93	The new temperature-sensitive mutation PA-F35S for developing recombinant avian live attenuated H5N1 influenza vaccine. <i>Virology Journal</i> , 2012, 9, 97.	1.4	10
94	Structural Analysis of Specific Metal Chelating Inhibitor Binding to the Endonuclease Domain of Influenza pH1N1 (2009) Polymerase. <i>PLoS Pathogens</i> , 2012, 8, e1002831.	2.1	149
95	Targeting the host or the virus: Current and novel concepts for antiviral approaches against influenza virus infection. <i>Antiviral Research</i> , 2012, 96, 391-404.	1.9	97
96	A versatile building block: the structures and functions of negative-sense single-stranded RNA virus nucleocapsid proteins. <i>Protein and Cell</i> , 2012, 3, 893-902.	4.8	31
97	Mutations in Polymerase Genes Enhanced the Virulence of 2009 Pandemic H1N1 Influenza Virus in Mice. <i>PLoS ONE</i> , 2012, 7, e33383.	1.1	50
98	Screen Anti-influenza Lead Compounds That Target the PAC Subunit of H5N1 Viral RNA Polymerase. <i>PLoS ONE</i> , 2012, 7, e35234.	1.1	12
99	Influenza Polymerase Activity Correlates with the Strength of Interaction between Nucleoprotein and PB2 through the Host-Specific Residue K/E627. <i>PLoS ONE</i> , 2012, 7, e36415.	1.1	41
100	Conventional and unconventional mechanisms for capping viral mRNA. <i>Nature Reviews Microbiology</i> , 2012, 10, 51-65.	13.6	373
101	Small molecule inhibitors of influenza A and B viruses that act by disrupting subunit interactions of the viral polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6247-6252.	3.3	114
102	Antivirals Targeting Influenza A Virus. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6263-6277.	2.9	97
103	Reassortment and Mutation of the Avian Influenza Virus Polymerase PA Subunit Overcome Species Barriers. <i>Journal of Virology</i> , 2012, 86, 1750-1757.	1.5	112
104	An Overlapping Protein-Coding Region in Influenza A Virus Segment 3 Modulates the Host Response. <i>Science</i> , 2012, 337, 199-204.	6.0	543
105	NMR identification of anti-influenza lead compound targeting at PAC subunit of H5N1 polymerase. <i>Chinese Chemical Letters</i> , 2012, 23, 89-92.	4.8	7
106	Influenza virus polymerase confers independence of the cellular cap-binding factor eIF4E for viral mRNA translation. <i>Virology</i> , 2012, 422, 297-307.	1.1	29
107	Crystallographic Fragment Screening and Structure-Based Optimization Yields a New Class of Influenza Endonuclease Inhibitors. <i>ACS Chemical Biology</i> , 2013, 8, 2501-2508.	1.6	76
108	Structural perspective on the formation of ribonucleoprotein complex in negative-sense single-stranded RNA viruses. <i>Trends in Microbiology</i> , 2013, 21, 475-484.	3.5	50

#	ARTICLE	IF	CITATIONS
109	New-generation screening assays for the detection of anti-influenza compounds targeting viral and host functions. <i>Antiviral Research</i> , 2013, 100, 120-132.	1.9	37
110	Proteins of duck influenza virus responsible for acquisition of pathogenicity in chickens. <i>Virus Research</i> , 2013, 173, 294-298.	1.1	0
111	New 7-Methylguanine Derivatives Targeting the Influenza Polymerase PB2 Cap-Binding Domain. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8915-8930.	2.9	64
112	Mutational Analysis of the Binding Pockets of the Diketo Acid Inhibitor L-742,001 in the Influenza Virus PA Endonuclease. <i>Journal of Virology</i> , 2013, 87, 10524-10538.	1.5	67
113	Benchmarking of protein descriptor sets in proteochemometric modeling (part 1): comparative study of 13 amino acid descriptor sets. <i>Journal of Cheminformatics</i> , 2013, 5, 41.	2.8	82
114	Phenyl substituted 3-hydroxypyridin-2(1H)-ones: Inhibitors of influenza A endonuclease. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6435-6446.	1.4	30
115	Influenza Virus Transcription and Replication. <i>Advances in Virus Research</i> , 2013, 87, 113-137.	0.9	23
118	Inhibition of herpesvirus and influenza virus replication by blocking polymerase subunit interactions. <i>Antiviral Research</i> , 2013, 99, 318-327.	1.9	15
119	Co-incorporation of the PB2 and PA polymerase subunits from human H3N2 influenza virus is a critical determinant of the replication of reassortant ribonucleoprotein complexes. <i>Journal of General Virology</i> , 2013, 94, 2406-2416.	1.3	19
120	Interplay between viruses and host mRNA degradation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 732-741.	0.9	46
121	Identification of Novel Influenza A Virus Proteins Translated from PA mRNA. <i>Journal of Virology</i> , 2013, 87, 2455-2462.	1.5	199
122	Identification of the N-Terminal Domain of the Influenza Virus PA Responsible for the Suppression of Host Protein Synthesis. <i>Journal of Virology</i> , 2013, 87, 3108-3118.	1.5	84
123	Polymerase complex with lysine at position 627 of the PB2 of influenza virus A/Hong Kong/483/97 (H5N1) efficiently transcribes and replicates virus genes in mouse cells. <i>Virus Research</i> , 2013, 178, 404-410.	1.1	9
124	Adaptive mutations in the H5N1 polymerase complex. <i>Virus Research</i> , 2013, 178, 53-62.	1.1	64
125	The role and assembly mechanism of nucleoprotein in influenza A virus ribonucleoprotein complexes. <i>Nature Communications</i> , 2013, 4, 1591.	5.8	105
126	Crystal structure of Prp8 reveals active site cavity of the spliceosome. <i>Nature</i> , 2013, 493, 638-643.	13.7	203
127	Structure and assembly of the influenza A virus ribonucleoprotein complex. <i>FEBS Letters</i> , 2013, 587, 1206-1214.	1.3	69
128	RNA synthetic mechanisms employed by diverse families of RNA viruses. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013, 4, 351-367.	3.2	77

#	ARTICLE	IF	CITATIONS
129	The polymerase of negative-stranded RNA viruses. <i>Current Opinion in Virology</i> , 2013, 3, 103-110.	2.6	62
130	Influenza A polymerase subunit PB2 possesses overlapping binding sites for polymerase subunit PB1 and human MAVS proteins. <i>Virus Research</i> , 2013, 172, 75-80.	1.1	20
131	Influenza Nucleoprotein: Promising Target for Antiviral Chemotherapy. <i>Antiviral Chemistry and Chemotherapy</i> , 2013, 23, 77-91.	0.3	41
132	The RNA polymerase of influenza A virus: mechanisms of viral transcription and replication. <i>Acta Virologica</i> , 2013, 57, 113-122.	0.3	155
133	3-Hydroxyquinolin-2(1 <i>H</i>)-ones As Inhibitors of Influenza A Endonuclease. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 547-550.	1.3	44
134	Contribution of Intramolecular NH ⁺ -O Hydrogen Bonds to Magnesium-Carboxylate Bonds. <i>Inorganic Chemistry</i> , 2013, 52, 10812-10824.	1.9	13
135	Characterization of PA-N terminal domain of Influenza A polymerase reveals sequence specific RNA cleavage. <i>Nucleic Acids Research</i> , 2013, 41, 8289-8299.	6.5	48
136	Cellular Protein HAX1 Interacts with the Influenza A Virus PA Polymerase Subunit and Impedes Its Nuclear Translocation. <i>Journal of Virology</i> , 2013, 87, 110-123.	1.5	45
137	Systems To Establish Bunyavirus Genome Replication in the Absence of Transcription. <i>Journal of Virology</i> , 2013, 87, 8205-8212.	1.5	32
138	Structural and Functional Characterization of K339T Substitution Identified in the PB2 Subunit Cap-binding Pocket of Influenza A Virus. <i>Journal of Biological Chemistry</i> , 2013, 288, 11013-11023.	1.6	35
139	Crystallization and X-ray crystallographic analysis of the cap-binding domain of influenza A virus H1N1 polymerase subunit PB2. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 280-283.	0.7	3
140	3D Molecular Modelling Study of the H7N9 RNA-Dependent RNA Polymerase as an Emerging Pharmacological Target. <i>Influenza Research and Treatment</i> , 2013, 2013, 1-9.	1.5	7
141	Biogenesis, assembly, and export of viral messenger ribonucleoproteins in the influenza A virus infected cell. <i>RNA Biology</i> , 2013, 10, 1274-1282.	1.5	51
142	Adaptation of Avian Influenza A Virus Polymerase in Mammals To Overcome the Host Species Barrier. <i>Journal of Virology</i> , 2013, 87, 7200-7209.	1.5	188
143	RNA 5'-end Maturation: A Crucial Step in the Replication of Viral Genomes. , 0, , .		5
144	Characterization In Vitro and In Vivo of a Pandemic H1N1 Influenza Virus from a Fatal Case. <i>PLoS ONE</i> , 2013, 8, e53515.	1.1	29
145	The Ambiguous Base-Pairing and High Substrate Efficiency of T-705 (Favipiravir) Ribofuranosyl 5'-Triphosphate towards Influenza A Virus Polymerase. <i>PLoS ONE</i> , 2013, 8, e68347.	1.1	216
146	Endonuclease domain of the <i>Drosophila melanogaster</i> R2 non-LTR retrotransposon and related retroelements: a new model for transposition. <i>Frontiers in Genetics</i> , 2013, 4, 63.	1.1	8

#	ARTICLE	IF	CITATIONS
147	Multiple amino acid mutations in viral RNA polymerase may synergistically enhance the transmissibility and/or virulence of the 2009 pandemic influenza (H1N1) virus. <i>Acta Virologica</i> , 2013, 57, 35-40.	0.3	2
148	Influenza A Virus Multiplication and the Cellular SUMOylation System. , 0, , .		2
149	The RNA-dependent RNA polymerase of the influenza A virus. <i>Future Virology</i> , 2014, 9, 863-876.	0.9	35
150	Influenza A Virus Assembly Intermediates Fuse in the Cytoplasm. <i>PLoS Pathogens</i> , 2014, 10, e1003971.	2.1	128
151	Unusual Influenza A Viruses in Bats. <i>Viruses</i> , 2014, 6, 3438-3449.	1.5	32
152	An RNA-synthesizing machine. <i>Nature</i> , 2014, 516, 338-339.	13.7	6
153	Advantages of crystallographic fragment screening: Functional and mechanistic insights from a powerful platform for efficient drug discovery. <i>Progress in Biophysics and Molecular Biology</i> , 2014, 116, 92-100.	1.4	73
154	Emerging antiviral resistant strains of influenza A and the potential therapeutic targets within the viral ribonucleoprotein (vRNP) complex. <i>Virology Journal</i> , 2014, 11, 167.	1.4	11
155	High-Resolution Structure of the N-Terminal Endonuclease Domain of the Lassa Virus L Polymerase in Complex with Magnesium Ions. <i>PLoS ONE</i> , 2014, 9, e87577.	1.1	33
156	Nuclear localized Influenza nucleoprotein N-terminal deletion mutant is deficient in functional vRNP formation. <i>Virology Journal</i> , 2014, 11, 155.	1.4	5
157	The molecular biology of nairoviruses, an emerging group of tick-borne arboviruses. <i>Archives of Virology</i> , 2014, 159, 1249-1265.	0.9	48
158	Antiviral strategies against influenza virus: towards new therapeutic approaches. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 3659-3683.	2.4	143
159	Genomic and evolutionary characterization of a novel influenza-C-like virus from swine. <i>Archives of Virology</i> , 2014, 159, 249-255.	0.9	19
160	Upolu virus and Aransas Bay virus, Two Presumptive Bunyaviruses, Are Novel Members of the Family Orthomyxoviridae. <i>Journal of Virology</i> , 2014, 88, 5298-5309.	1.5	24
161	Heat Shock Protein 70 Modulates Influenza A Virus Polymerase Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 7599-7614.	1.6	60
162	Bat-derived influenza-like viruses H17N10 and H18N11. <i>Trends in Microbiology</i> , 2014, 22, 183-191.	3.5	270
163	Interaction between Hantavirus Nucleocapsid Protein (N) and RNA-Dependent RNA Polymerase (RdRp) Mutants Reveals the Requirement of an N-RdRp Interaction for Viral RNA Synthesis. <i>Journal of Virology</i> , 2014, 88, 8706-8712.	1.5	24
164	The N-Terminal Domain of PA from Bat-Derived Influenza-Like Virus H17N10 Has Endonuclease Activity. <i>Journal of Virology</i> , 2014, 88, 1935-1941.	1.5	30

#	ARTICLE	IF	CITATIONS
165	Involvement of the N-terminal portion of influenza virus RNA polymerase subunit PB1 in nucleotide recognition. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 975-979.	1.0	14
166	Design of the influenza virus inhibitors targeting the PA endonuclease using 3D-QSAR modeling, side-chain hopping, and docking. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 539-547.	1.0	11
167	Rapid sequencing of influenza A virus vRNA, cRNA and mRNA non-coding regions. <i>Journal of Virological Methods</i> , 2014, 195, 26-33.	1.0	6
168	Structure of influenza A polymerase bound to the viral RNA promoter. <i>Nature</i> , 2014, 516, 355-360.	13.7	404
169	Structural insight into cap-snatching and RNA synthesis by influenza polymerase. <i>Nature</i> , 2014, 516, 361-366.	13.7	376
170	Chemical Diagnostics. <i>Topics in Current Chemistry</i> , 2014, , .	4.0	2
171	Interactome Analysis of the Influenza A Virus Transcription/Replication Machinery Identifies Protein Phosphatase 6 as a Cellular Factor Required for Efficient Virus Replication. <i>Journal of Virology</i> , 2014, 88, 13284-13299.	1.5	54
172	Metal-Chelating 2-Hydroxyphenyl Amide Pharmacophore for Inhibition of Influenza Virus Endonuclease. <i>Molecular Pharmaceutics</i> , 2014, 11, 304-316.	2.3	38
173	Influenza, a One Health paradigm—Novel therapeutic strategies to fight a zoonotic pathogen with pandemic potential. <i>International Journal of Medical Microbiology</i> , 2014, 304, 894-901.	1.5	24
174	PB2-E627K and PA-T97I substitutions enhance polymerase activity and confer a virulent phenotype to an H6N1 avian influenza virus in mice. <i>Virology</i> , 2014, 468-470, 207-213.	1.1	62
175	Single-molecule FRET reveals a corkscrew RNA structure for the polymerase-bound influenza virus promoter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3335-42.	3.3	46
176	Molecular Determinants of Pathogenicity in the Polymerase Complex. <i>Current Topics in Microbiology and Immunology</i> , 2014, 385, 35-60.	0.7	46
177	Phenyl Substituted 4-Hydroxypyridazin-3(2 <i>H</i>)-ones and 5-Hydroxypyrimidin-4(3 <i>H</i>)-ones: Inhibitors of Influenza A Endonuclease. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8086-8098.	2.9	50
178	Role of the C Terminus of Lassa Virus L Protein in Viral mRNA Synthesis. <i>Journal of Virology</i> , 2014, 88, 8713-8717.	1.5	27
179	Magnesium-Dependent RNA Binding to the PA Endonuclease Domain of the Avian Influenza Polymerase. <i>Journal of Physical Chemistry B</i> , 2014, 118, 873-889.	1.2	19
180	Flavivirus RNA methylation. <i>Journal of General Virology</i> , 2014, 95, 763-778.	1.3	107
181	DnaJA1/Hsp40 Is Co-Opted by Influenza A Virus To Enhance Its Viral RNA Polymerase Activity. <i>Journal of Virology</i> , 2014, 88, 14078-14089.	1.5	49
182	Biophysical characterization of sites of host adaptive mutation in the influenza A virus RNA polymerase PB2 RNA-binding domain. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 237-245.	1.2	4

#	ARTICLE	IF	CITATIONS
183	Integrating computational modeling and functional assays to decipher the structure-function relationship of influenza virus PB1 protein. <i>Scientific Reports</i> , 2015, 4, 7192.	1.6	8
184	Application for Evaluating and Visualizing the Sequence Conservation of Ligand-binding Sites. <i>IPSI Transactions on Bioinformatics</i> , 2015, 8, 9-13.	0.2	1
185	Deep sequencing reveals the eight facets of the influenza A/HongKong/1/1968 (H3N2) virus cap-snatching process. <i>Scientific Reports</i> , 2014, 4, 6181.	1.6	37
186	Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , 2015, 7, 5428-5442.	1.5	98
187	Functional Constraint Profiling of a Viral Protein Reveals Discordance of Evolutionary Conservation and Functionality. <i>PLoS Genetics</i> , 2015, 11, e1005310.	1.5	50
188	Synthesis and structures of soluble magnesium and zinc carboxylates containing intramolecular NH \hat{c} O hydrogen bonds in nonpolar solvents. <i>Dalton Transactions</i> , 2015, 44, 7512-7523.	1.6	5
189	Sequencing the cap-snatching repertoire of H1N1 influenza provides insight into the mechanism of viral transcription initiation. <i>Nucleic Acids Research</i> , 2015, 43, 5052-5064.	6.5	73
190	Mapping of a Region of the PA-X Protein of Influenza A Virus That Is Important for Its Shutoff Activity. <i>Journal of Virology</i> , 2015, 89, 8661-8665.	1.5	55
191	Mammalian Adaptive Mutations of the PA Protein of Highly Pathogenic Avian H5N1 Influenza Virus. <i>Journal of Virology</i> , 2015, 89, 4117-4125.	1.5	45
192	Cryo-EM Structure of Influenza Virus RNA Polymerase Complex at 4.3Å... Resolution. <i>Molecular Cell</i> , 2015, 57, 925-935.	4.5	79
193	Identification of PB2 Mutations Responsible for the Efficient Replication of H5N1 Influenza Viruses in Human Lung Epithelial Cells. <i>Journal of Virology</i> , 2015, 89, 3947-3956.	1.5	28
194	RNase L Targets Distinct Sites in Influenza A Virus RNAs. <i>Journal of Virology</i> , 2015, 89, 2764-2776.	1.5	49
195	Catalytic Metal Ions and Enzymatic Processing of DNA and RNA. <i>Accounts of Chemical Research</i> , 2015, 48, 220-228.	7.6	130
196	Structure-Based Virtual Screening for Potential Inhibitors of Influenza A Virus RNA Polymerase PA Subunit. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 149-156.	0.9	2
197	An Integrated Biological Approach to Guide the Development of Metal-Chelating Inhibitors of Influenza Virus PA Endonuclease. <i>Molecular Pharmacology</i> , 2015, 87, 323-337.	1.0	33
198	Multifaceted Roles of Crystallography in Modern Drug Discovery. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2015, , .	0.5	3
199	Virtual Screening and Biological Validation of Novel Influenza Virus PA Endonuclease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 866-871.	1.3	33
200	Structural and computational study on inhibitory compounds for endonuclease activity of influenza virus polymerase. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5466-5475.	1.4	23

#	ARTICLE	IF	CITATIONS
201	The N-terminal fragment of PA subunit of the influenza A virus effectively inhibits ribonucleoprotein (RNP) activity via suppression of RNP expression. <i>Journal of Infection and Chemotherapy</i> , 2015, 21, 296-301.	0.8	1
202	Analysis of the genetic diversity of influenza A viruses using next-generation DNA sequencing. <i>BMC Genomics</i> , 2015, 16, 79.	1.2	78
203	Temperature-Sensitive Mutants in the Influenza A Virus RNA Polymerase: Alterations in the PA Linker Reduce Nuclear Targeting of the PB1-PA Dimer and Result in Viral Attenuation. <i>Journal of Virology</i> , 2015, 89, 6376-6390.	1.5	21
204	A Virus-Like Particle System Identifies the Endonuclease Domain of Crimean-Congo Hemorrhagic Fever Virus. <i>Journal of Virology</i> , 2015, 89, 5957-5967.	1.5	54
205	Cross-Protection of Influenza A Virus Infection by a DNA Aptamer Targeting the PA Endonuclease Domain. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4082-4093.	1.4	38
206	Influenza virus polymerase: Functions on host range, inhibition of cellular response to infection and pathogenicity. <i>Virus Research</i> , 2015, 209, 23-38.	1.1	33
207	Learning from structure-based drug design and new antivirals targeting the ribonucleoprotein complex for the treatment of influenza. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 345-371.	2.5	30
208	The RNA synthesis machinery of negative-stranded RNA viruses. <i>Virology</i> , 2015, 479-480, 532-544.	1.1	75
209	Innate immune restriction and antagonism of viral RNA lacking 2'-O methylation. <i>Virology</i> , 2015, 479-480, 66-74.	1.1	147
210	The Crystal Structure of the PB2 Cap-binding Domain of Influenza B Virus Reveals a Novel Cap Recognition Mechanism. <i>Journal of Biological Chemistry</i> , 2015, 290, 9141-9149.	1.6	15
211	Investigation of the salicylaldehyde thiosemicarbazone scaffold for inhibition of influenza virus PA endonuclease. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 1109-1121.	1.1	44
212	Crystal structure of the RNA-dependent RNA polymerase from influenza C virus. <i>Nature</i> , 2015, 527, 114-117.	13.7	145
213	New small-molecule drug design strategies for fighting resistant influenza A. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 419-430.	5.7	70
214	The novel influenza A virus protein PA-X and its naturally deleted variant show different enzymatic properties in comparison to the viral endonuclease PA. <i>Nucleic Acids Research</i> , 2015, 43, 9405-9417.	6.5	51
215	Crucial role of PA in virus life cycle and host adaptation of influenza A virus. <i>Medical Microbiology and Immunology</i> , 2015, 204, 137-149.	2.6	19
216	Structural analysis of H1N1 and H7N9 influenza A virus PA in the absence of PB1. <i>Scientific Reports</i> , 2014, 4, 5944.	1.6	10
217	Insight into the binding modes of Lassa nucleoprotein complexed with ssRNA by molecular dynamic simulations and free energy calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 946-960.	2.0	7
218	Conserved Endonuclease Function of Hantavirus L Polymerase. <i>Viruses</i> , 2016, 8, 108.	1.5	11

#	ARTICLE	IF	CITATIONS
219	Inhibition of PA endonuclease activity of influenza virus RNA polymerase by Kampo medicines. <i>Drug Discoveries and Therapeutics</i> , 2016, 10, 109-113.	0.6	14
220	Influenza virus infections: clinical update, molecular biology, and therapeutic options. , 2016, , 1-32.		2
221	Shutoff of Host Gene Expression in Influenza A Virus and Herpesviruses: Similar Mechanisms and Common Themes. <i>Viruses</i> , 2016, 8, 102.	1.5	87
222	Tracking the Evolution of Polymerase Genes of Influenza A Viruses during Interspecies Transmission between Avian and Swine Hosts. <i>Frontiers in Microbiology</i> , 2016, 7, 2118.	1.5	1
223	New Insight into Metal Ion-Driven Catalysis of Nucleic Acids by Influenza PA-Nter. <i>PLoS ONE</i> , 2016, 11, e0156972.	1.1	5
224	Selective Degradation of Host RNA Polymerase II Transcripts by Influenza A Virus PA-X Host Shutoff Protein. <i>PLoS Pathogens</i> , 2016, 12, e1005427.	2.1	111
225	Influenza virus RNA polymerase: insights into the mechanisms of viral RNA synthesis. <i>Nature Reviews Microbiology</i> , 2016, 14, 479-493.	13.6	342
226	hCLE/C14orf166, a cellular protein required for viral replication, is incorporated into influenza virus particles. <i>Scientific Reports</i> , 2016, 6, 20744.	1.6	19
227	Critical Role of the PA-X C-Terminal Domain of Influenza A Virus in Its Subcellular Localization and Shutoff Activity. <i>Journal of Virology</i> , 2016, 90, 7131-7141.	1.5	49
228	Two Distinctive Binding Modes of Endonuclease Inhibitors to the N-Terminal Region of Influenza Virus Polymerase Acidic Subunit. <i>Biochemistry</i> , 2016, 55, 2646-2660.	1.2	26
229	Antiviral therapies on the horizon for influenza. <i>Current Opinion in Pharmacology</i> , 2016, 30, 106-115.	1.7	67
230	Ubiquitination Upregulates Influenza Virus Polymerase Function. <i>Journal of Virology</i> , 2016, 90, 10906-10914.	1.5	45
231	The Influenza Virus Polymerase Complex: An Update on Its Structure, Functions, and Significance for Antiviral Drug Design. <i>Medicinal Research Reviews</i> , 2016, 36, 1127-1173.	5.0	129
232	Novel residues in the PA protein of avian influenza H7N7 virus affect virulence in mammalian hosts. <i>Virology</i> , 2016, 498, 1-8.	1.1	12
233	Amino acid substitutions V63I or A37S/I61T/V63I/V100A in the PA N-terminal domain increase the virulence of H7N7 influenza A virus. <i>Scientific Reports</i> , 2016, 6, 37800.	1.6	25
234	Activities of JNJ63623872 and oseltamivir against influenza A H1N1pdm and H3N2 virus infections in mice. <i>Antiviral Research</i> , 2016, 136, 45-50.	1.9	26
235	A novel small-molecule inhibitor of influenza A virus acts by suppressing PA endonuclease activity of the viral polymerase. <i>Scientific Reports</i> , 2016, 6, 22880.	1.6	37
236	N-acylhydrazone inhibitors of influenza virus PA endonuclease with versatile metal binding modes. <i>Scientific Reports</i> , 2016, 6, 31500.	1.6	49

#	ARTICLE	IF	CITATIONS
237	Sin Nombre hantavirus nucleocapsid protein exhibits a metal-dependent DNA-specific endonucleolytic activity. <i>Virology</i> , 2016, 496, 67-76.	1.1	3
238	Tracking the Evolution in Phylogeny, Structure and Function of H5N1 Influenza Virus PA Gene. <i>Transboundary and Emerging Diseases</i> , 2016, 63, 548-563.	1.3	2
239	Codon Deletions in the Influenza A Virus PA Gene Generate Temperature-Sensitive Viruses. <i>Journal of Virology</i> , 2016, 90, 3684-3693.	1.5	8
240	Identification and characterization of influenza variants resistant to a viral endonuclease inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3669-3674.	3.3	51
241	Host Protein Moloney Leukemia Virus 10 (MOV10) Acts as a Restriction Factor of Influenza A Virus by Inhibiting the Nuclear Import of the Viral Nucleoprotein. <i>Journal of Virology</i> , 2016, 90, 3966-3980.	1.5	73
242	Host cell interactome of PA protein of H5N1 influenza A virus in chicken cells. <i>Journal of Proteomics</i> , 2016, 136, 48-54.	1.2	24
243	Functional Genomics Reveals Linkers Critical for Influenza Virus Polymerase. <i>Journal of Virology</i> , 2016, 90, 2938-2947.	1.5	12
244	Identification of a small-molecule inhibitor of influenza virus via disrupting the subunits interaction of the viral polymerase. <i>Antiviral Research</i> , 2016, 125, 34-42.	1.9	41
245	Molecular Basis of mRNA Cap Recognition by Influenza B Polymerase PB2 Subunit. <i>Journal of Biological Chemistry</i> , 2016, 291, 363-370.	1.6	13
246	Novel indole-flutimide heterocycles with activity against influenza PA endonuclease and hepatitis C virus. <i>MedChemComm</i> , 2016, 7, 447-456.	3.5	24
247	Inhibitors of Influenza Virus Polymerase Acidic (PA) Endonuclease: Contemporary Developments and Perspectives. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3533-3551.	2.9	60
248	Transcription and replication mechanisms of Bunyaviridae and Arenaviridae L proteins. <i>Virus Research</i> , 2017, 234, 118-134.	1.1	86
249	Structural insights into RNA synthesis by the influenza virus transcription-replication machine. <i>Virus Research</i> , 2017, 234, 103-117.	1.1	143
250	Role of the PB2 627 Domain in Influenza A Virus Polymerase Function. <i>Journal of Virology</i> , 2017, 91, .	1.5	39
251	The PA Endonuclease Inhibitor RO-7 Protects Mice from Lethal Challenge with Influenza A or B Viruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	17
252	Identification of influenza A nucleoprotein body domain residues essential for viral RNA expression expose antiviral target. <i>Virology Journal</i> , 2017, 14, 22.	1.4	9
253	Bunyaviridae RdRps: structure, motifs, and RNA synthesis machinery. <i>Critical Reviews in Microbiology</i> , 2017, 43, 753-778.	2.7	51
254	Metal-chelating properties and antiviral activity of some 2-hydroxyphenyl amides. <i>Polyhedron</i> , 2017, 129, 97-104.	1.0	5

#	ARTICLE	IF	CITATIONS
255	An integrated ligand-based modelling approach to explore the structure-property relationships of influenza endonuclease inhibitors. <i>Structural Chemistry</i> , 2017, 28, 1663-1678.	1.0	12
256	Protein-Structure Assisted Optimization of 4,5-Dihydropyrimidine-6-Carboxamide Inhibitors of Influenza Virus Endonuclease. <i>Scientific Reports</i> , 2017, 7, 17139.	1.6	14
257	Nuclear TRIM25 Specifically Targets Influenza Virus Ribonucleoproteins to Block the Onset of RNA Chain Elongation. <i>Cell Host and Microbe</i> , 2017, 22, 627-638.e7.	5.1	94
258	Rapid virulence shift of an H5N2 avian influenza virus during a single passage in mice. <i>Archives of Virology</i> , 2017, 162, 3017-3024.	0.9	22
259	Chlorogenic Compounds from Coffee Beans Exert Activity against Respiratory Viruses. <i>Planta Medica</i> , 2017, 83, 615-623.	0.7	19
260	Biological characterization of highly pathogenic avian influenza H5N1 viruses that infected humans in Egypt in 2014-2015. <i>Archives of Virology</i> , 2017, 162, 687-700.	0.9	13
262	Genetic and codon usage bias analyses of polymerase genes of equine influenza virus and its relation to evolution. <i>BMC Genomics</i> , 2017, 18, 652.	1.2	48
263	Influenza A Virus PA Antagonizes Interferon- β by Interacting with Interferon Regulatory Factor 3. <i>Frontiers in Immunology</i> , 2017, 8, 1051.	2.2	22
264	Structural insights into reptarenavirus cap-snatching machinery. <i>PLoS Pathogens</i> , 2017, 13, e1006400.	2.1	32
265	Molecular features of influenza A (H1N1)pdm09 prevalent in Mexico during winter seasons 2012-2014. <i>PLoS ONE</i> , 2017, 12, e0180419.	1.1	7
266	Unexpected complexity in the interference activity of a cloned influenza defective interfering RNA. <i>Virology Journal</i> , 2017, 14, 138.	1.4	19
267	Identification of the I38T PA Substitution as a Resistance Marker for Next-Generation Influenza Virus Endonuclease Inhibitors. <i>MBio</i> , 2018, 9, .	1.8	53
268	Inhibitors of Influenza A Virus Polymerase. <i>ACS Infectious Diseases</i> , 2018, 4, 218-223.	1.8	19
269	Computational analysis of the effect of polymerase acidic (PA) gene mutation F35L in the 2009 pandemic influenza A (H1N1) virus on binding aspects of mononucleotides in the endonuclease domain. <i>Archives of Virology</i> , 2018, 163, 1031-1036.	0.9	2
270	Identification of novel amino acid residues of influenza virus PA-X that are important for PA-X shutoff activity by using yeast. <i>Virology</i> , 2018, 516, 71-75.	1.1	23
271	Influenza A virus polymerase: an attractive target for next-generation anti-influenza therapeutics. <i>Drug Discovery Today</i> , 2018, 23, 503-518.	3.2	42
272	Biochemical characterization of avian influenza viral polymerase containing PA or PB2 subunit from human influenza A virus. <i>Microbes and Infection</i> , 2018, 20, 353-359.	1.0	5
273	Nucleosides for the treatment of respiratory RNA virus infections. <i>Antiviral Chemistry and Chemotherapy</i> , 2018, 26, 204020661876448.	0.3	113

#	ARTICLE	IF	CITATIONS
274	Studies of the Interaction of Influenza Virus RNA Polymerase PAN with Endonuclease Inhibitors. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 430-437.	2.2	1
275	Binding affinity of the L-742,001 inhibitor to the endonuclease domain of A/H1N1/PA influenza virus variants: Molecular simulation approaches. <i>Chemical Physics</i> , 2018, 500, 26-36.	0.9	7
276	Potencial antiviral e virucida da melitina e apamina contra herpesv�rus bovino tipo 1 e v�rus da diarreia viral bovina. <i>Pesquisa Veterinaria Brasileira</i> , 2018, 38, 595-604.	0.5	3
277	In vitro characterization of baloxavir acid, a first-in-class cap-dependent endonuclease inhibitor of the influenza virus polymerase PA subunit. <i>Antiviral Research</i> , 2018, 160, 109-117.	1.9	246
278	Temperature Sensitive Mutations in Influenza A Viral Ribonucleoprotein Complex Responsible for the Attenuation of the Live Attenuated Influenza Vaccine. <i>Viruses</i> , 2018, 10, 560.	1.5	36
279	Baloxavir Marboxil for Uncomplicated Influenza in Adults and Adolescents. <i>New England Journal of Medicine</i> , 2018, 379, 913-923.	13.9	629
280	The Nucleolar Protein LYAR Facilitates Ribonucleoprotein Assembly of Influenza A Virus. <i>Journal of Virology</i> , 2018, 92, .	1.5	21
281	Host Shutoff in Influenza A Virus: Many Means to an End. <i>Viruses</i> , 2018, 10, 475.	1.5	40
282	Novel mutations in avian PA in combination with an adaptive mutation in PR8 NP exacerbate the virulence of PR8-derived recombinant influenza A viruses in mice. <i>Veterinary Microbiology</i> , 2018, 221, 114-121.	0.8	5
283	PA-X: a key regulator of influenza A virus pathogenicity and host immune responses. <i>Medical Microbiology and Immunology</i> , 2018, 207, 255-269.	2.6	32
284	Characterization of influenza virus variants induced by treatment with the endonuclease inhibitor baloxavir marboxil. <i>Scientific Reports</i> , 2018, 8, 9633.	1.6	306
285	Antimicrobial Peptides: Features, Action, and Their Resistance Mechanisms in Bacteria. <i>Microbial Drug Resistance</i> , 2018, 24, 747-767.	0.9	218
286	Identification of influenza PA-Nter endonuclease inhibitors using pharmacophore- and docking-based virtual screening. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4544-4550.	1.4	9
287	Host Interaction Analysis of PA-N155 and PA-N182 in Chicken Cells Reveals an Essential Role of UBA52 for Replication of H5N1 Avian Influenza Virus. <i>Frontiers in Microbiology</i> , 2018, 9, 936.	1.5	13
288	Characterization of the PB2 Cap Binding Domain Accelerates Inhibitor Design. <i>Crystals</i> , 2018, 8, 62.	1.0	3
289	Isosteres of hydroxypyridinethione as drug-like pharmacophores for metalloenzyme inhibition. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 1129-1138.	1.1	17
290	Identification of novel inhibitor against endonuclease subunit of Influenza pH1N1 polymerase: A combined molecular docking, molecular dynamics, MMPBSA, QMMM and ADME studies to combat influenza A viruses. <i>Computational Biology and Chemistry</i> , 2018, 77, 279-290.	1.1	8
291	Influenza A Virus Cell Entry, Replication, Virion Assembly and Movement. <i>Frontiers in Immunology</i> , 2018, 9, 1581.	2.2	357

#	ARTICLE	IF	CITATIONS
292	Structure and Function of Influenza Virus Ribonucleoprotein. <i>Sub-Cellular Biochemistry</i> , 2018, 88, 95-128.	1.0	26
293	The Surface-Exposed PA ⁵¹⁻⁷² -Loop of the Influenza A Virus Polymerase Is Required for Viral Genome Replication. <i>Journal of Virology</i> , 2018, 92, .	1.5	15
294	Treatment-Emergent Influenza Variant Viruses With Reduced Baloxavir Susceptibility: Impact on Clinical and Virologic Outcomes in Uncomplicated Influenza. <i>Journal of Infectious Diseases</i> , 2020, 221, 346-355.	1.9	104
295	Design, Synthesis, and Biological Evaluation of Novel Indoles Targeting the Influenza PB2 Cap Binding Region. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9680-9690.	2.9	21
296	Snatch-and-Grab Inhibitors to Fight the Flu. <i>Cell</i> , 2019, 177, 1367.	13.5	1
297	A Parallel Phenotypic Versus Target-Based Screening Strategy for RNA-Dependent RNA Polymerase Inhibitors of the Influenza A Virus. <i>Viruses</i> , 2019, 11, 826.	1.5	15
298	SAR Exploration of Tight-Binding Inhibitors of Influenza Virus PA Endonuclease. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9438-9449.	2.9	31
299	Structure and function of the Toscana virus cap-snatching endonuclease. <i>Nucleic Acids Research</i> , 2019, 47, 10914-10930.	6.5	16
300	The mechanism of splicing as told by group II introns: Ancestors of the spliceosome. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 194390.	0.9	29
301	Aryl and Arylalkyl Substituted 3-Hydroxypyridin-2(1H)-ones: Synthesis and Evaluation as Inhibitors of Influenza A Endonuclease. <i>ChemMedChem</i> , 2019, 14, 1204-1223.	1.6	4
302	The Influenza A Virus Endoribonuclease PA-X Usurps Host mRNA Processing Machinery to Limit Host Gene Expression. <i>Cell Reports</i> , 2019, 27, 776-792.e7.	2.9	76
303	Investigational antiviral therapies for the treatment of influenza. <i>Expert Opinion on Investigational Drugs</i> , 2019, 28, 481-488.	1.9	16
304	Paving the Way to Tospovirus Infection: Multilined Interplays with Plant Innate Immunity. <i>Annual Review of Phytopathology</i> , 2019, 57, 41-62.	3.5	53
305	Diels-Alder adducts of 3-N-substituted derivatives of (̂)-Cytisine as influenza A/H1N1 virus inhibitors; stereodifferentiation of antiviral properties and preliminary assessment of action mechanism. <i>Tetrahedron</i> , 2019, 75, 2933-2943.	1.0	10
306	Identifying mutation positions in all segments of influenza genome enables better differentiation between pandemic and seasonal strains. <i>Gene</i> , 2019, 697, 78-85.	1.0	8
307	Molecular Dynamics Simulation reveals the mechanism by which the Influenza Cap-dependent Endonuclease acquires resistance against Baloxavir marboxil. <i>Scientific Reports</i> , 2019, 9, 17464.	1.6	23
308	Influenza virus polymerase inhibitors in clinical development. <i>Current Opinion in Infectious Diseases</i> , 2019, 32, 176-186.	1.3	180
309	Targeting Metalloenzymes for Therapeutic Intervention. <i>Chemical Reviews</i> , 2019, 119, 1323-1455.	23.0	181

#	ARTICLE	IF	CITATIONS
310	Novel antiviral drug discovery strategies to tackle drug-resistant mutants of influenza virus strains. Expert Opinion on Drug Discovery, 2019, 14, 153-168.	2.5	31
311	Hantavirus RdRp Requires a Host Cell Factor for Cap Snatching. Journal of Virology, 2019, 93, .	1.5	9
312	In silico structure-based design of enhanced peptide inhibitors targeting RNA polymerase PAN-PB1C interaction. Computational Biology and Chemistry, 2019, 78, 273-281.	1.1	3
313	Structure-Function Relationship of Negative-Stranded Viral RNA Polymerases. , 2019, , 43-67.		0
314	Combination treatment with the cap-dependent endonuclease inhibitor baloxavir marboxil and a neuraminidase inhibitor in a mouse model of influenza A virus infection. Journal of Antimicrobial Chemotherapy, 2019, 74, 654-662.	1.3	67
315	Interplay between Influenza Virus and the Host RNA Polymerase II Transcriptional Machinery. Trends in Microbiology, 2019, 27, 398-407.	3.5	62
316	Fluopyranochromene, a novel inhibitor of influenza virus cap-dependent endonuclease, from Penicillium sp. f28743. Journal of Antibiotics, 2019, 72, 125-133.	1.0	0
317	Innate Immune Evasion by Human Respiratory RNA Viruses. Journal of Innate Immunity, 2020, 12, 4-20.	1.8	283
318	Advances in structure-assisted antiviral discovery for animal viral diseases. , 2020, , 435-468.		7
319	Mutations of the segment-specific nucleotides at the 3' end of influenza virus NS segment control viral replication. Virology, 2020, 539, 104-113.	1.1	3
320	Discovery of Influenza Polymerase PA-PB1 Interaction Inhibitors Using an <i>In Vitro</i> Split-Luciferase Complementation-Based Assay. ACS Chemical Biology, 2020, 15, 74-82.	1.6	23
321	Accessory Gene Products of Influenza A Virus. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a038380.	2.9	12
322	Eukaryotic Translation Elongation Factor 1 Delta Inhibits the Nuclear Import of the Nucleoprotein and PA-PB1 Heterodimer of Influenza A Virus. Journal of Virology, 2020, 95, .	1.5	19
323	PA Mutations Inherited during Viral Evolution Act Cooperatively To Increase Replication of Contemporary H5N1 Influenza Virus with an Expanded Host Range. Journal of Virology, 2020, 95, .	1.5	11
324	Investigation of Binding Affinity between Potential Antiviral Agents and PB2 Protein of Influenza A: Non-equilibrium Molecular Dynamics Simulation Approach. International Journal of Medical Sciences, 2020, 17, 2031-2039.	1.1	4
325	Bibenzyls and bisbenzyls of bryophytic origin as promising source of novel therapeutics: pharmacology, synthesis and structure-activity. DARU, Journal of Pharmaceutical Sciences, 2020, 28, 701-734.	0.9	27
326	Structure and Function of Influenza Polymerase. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a038372.	2.9	48
327	TRIM35 mediates protection against influenza infection by activating TRAF3 and degrading viral PB2. Protein and Cell, 2020, 11, 894-914.	4.8	56

#	ARTICLE	IF	CITATIONS
328	Structure of severe fever with thrombocytopenia syndrome virus L protein elucidates the mechanisms of viral transcription initiation. <i>Nature Microbiology</i> , 2020, 5, 864-871.	5.9	38
329	Key Role of the Influenza A Virus PA Gene Segment in the Emergence of Pandemic Viruses. <i>Viruses</i> , 2020, 12, 365.	1.5	18
330	Insights into RNA-dependent RNA Polymerase Inhibitors as Antiinfluenza Virus Agents. <i>Current Medicinal Chemistry</i> , 2021, 28, 1068-1090.	1.2	7
331	Integrating molecular modelling methods to advance influenza A virus drug discovery. <i>Drug Discovery Today</i> , 2021, 26, 503-510.	3.2	11
332	Influenza A virus protein PA-X suppresses host Ankrd17-mediated immune responses. <i>Microbiology and Immunology</i> , 2021, 65, 48-59.	0.7	3
333	Immunity to Influenza Infection in Humans. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021, 11, a038729.	2.9	8
334	Photorelease of a metal-binding pharmacophore from a Ru(II) polypyridine complex. <i>Dalton Transactions</i> , 2021, 50, 2757-2765.	1.6	10
335	Structural insights into the substrate specificity of the endonuclease activity of the influenza virus cap-snatching mechanism. <i>Nucleic Acids Research</i> , 2021, 49, 1609-1618.	6.5	13
336	Formation and Function of Liquid-Like Viral Factories in Negative-Sense Single-Stranded RNA Virus Infections. <i>Viruses</i> , 2021, 13, 126.	1.5	27
339	Identification of Amino Acid Residues Required for Inhibition of Host Gene Expression by Influenza Virus A/Viet Nam/1203/2004 H5N1 PA-X. <i>Journal of Virology</i> , 2022, 96, JVI0040821.	1.5	7
340	Amino Acid Residues Involved in Inhibition of Host Gene Expression by Influenza A/Brevig Mission/1/1918 PA-X. <i>Microorganisms</i> , 2021, 9, 1109.	1.6	4
341	Ultrastructure of influenza virus ribonucleoprotein complexes during viral RNA synthesis. <i>Communications Biology</i> , 2021, 4, 858.	2.0	13
342	Acetylation of the influenza A virus polymerase subunit PA in the N-terminal domain positively regulates its endonuclease activity. <i>FEBS Journal</i> , 2022, 289, 231-245.	2.2	9
343	Variations outside the conserved motifs of PB1 catalytic active site may affect replication efficiency of the RNP complex of influenza A virus. <i>Virology</i> , 2021, 559, 145-155.	1.1	4
344	Exploration of the 2,3-dihydroisoindole pharmacophore for inhibition of the influenza virus PA endonuclease. <i>Bioorganic Chemistry</i> , 2021, 116, 105388.	2.0	3
345	The active form of the influenza cap-snatching endonuclease inhibitor baloxavir marboxil is a tight binding inhibitor. <i>Journal of Biological Chemistry</i> , 2021, 296, 100486.	1.6	12
346	Viral RNase Involvement in Strategies of Infection. <i>Nucleic Acids and Molecular Biology</i> , 2011, , 135-165.	0.2	2
347	PA N substitutions A37S, A37S/I61T and A37S/V63I attenuate the replication of H7N7 influenza A virus by impairing the polymerase and endonuclease activities. <i>Journal of General Virology</i> , 2017, 98, 364-373.	1.3	5

#	ARTICLE	IF	CITATIONS
348	Influenza A virus utilizes noncanonical cap-snatching to diversify its mRNA/ncRNA. <i>Rna</i> , 2020, 26, 1170-1183.	1.6	8
349	Green tea catechins inhibit the endonuclease activity of influenza A virus RNA polymerase. <i>PLOS Currents</i> , 2009, 1, RRN1052.	1.4	94
350	The N-Terminal Region of the PA Subunit of the RNA Polymerase of Influenza A/HongKong/156/97 (H5N1) Influences Promoter Binding. <i>PLoS ONE</i> , 2009, 4, e5473.	1.1	26
351	Anti-Influenza Activity of Marchantins, Macrocyclic Bisbibenzyls Contained in Liverworts. <i>PLoS ONE</i> , 2011, 6, e19825.	1.1	73
352	Mutational Analyses of the Influenza A Virus Polymerase Subunit PA Reveal Distinct Functions Related and Unrelated to RNA Polymerase Activity. <i>PLoS ONE</i> , 2012, 7, e29485.	1.1	4
353	Replication and Transcription Activities of Ribonucleoprotein Complexes Reconstituted from Avian H5N1, H1N1pdm09 and H3N2 Influenza A Viruses. <i>PLoS ONE</i> , 2013, 8, e65038.	1.1	9
354	Anti-Influenza Activity of C60 Fullerene Derivatives. <i>PLoS ONE</i> , 2013, 8, e66337.	1.1	59
355	Conformational Polymorphism of m7GTP in Crystal Structure of the PB2 Middle Domain from Human Influenza A Virus. <i>PLoS ONE</i> , 2013, 8, e82020.	1.1	8
356	Comparative Structural and Functional Analysis of Orthomyxovirus Polymerase Cap-Snatching Domains. <i>PLoS ONE</i> , 2014, 9, e84973.	1.1	18
357	Polymerase Discordance in Novel Swine Influenza H3N2v Constellations Is Tolerated in Swine but Not Human Respiratory Epithelial Cells. <i>PLoS ONE</i> , 2014, 9, e110264.	1.1	7
358	Biochemical characterization of recombinant influenza A polymerase heterotrimer complex: Endonuclease activity and evaluation of inhibitors. <i>PLoS ONE</i> , 2017, 12, e0181969.	1.1	4
359	A Novel Antiviral Target Structure Involved in the RNA Binding, Dimerization, and Nuclear Export Functions of the Influenza A Virus Nucleoprotein. <i>PLoS Pathogens</i> , 2015, 11, e1005062.	2.1	34
360	Recent Advances in Computer-Aided Drug Design as Applied to Anti-Influenza Drug Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1875-1889.	1.0	37
361	A Comprehensive Review on the Interaction Between the Host GTPase Rab11 and Influenza A Virus. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 176.	1.8	24
362	H7N9 Influenza Virus Containing a Polybasic HA Cleavage Site Requires Minimal Host Adaptation to Obtain a Highly Pathogenic Disease Phenotype in Mice. <i>Viruses</i> , 2020, 12, 65.	1.5	7
363	What These Trends Suggest?. <i>American Journal of Applied Sciences</i> , 2009, 6, 1116-1121.	0.1	7
364	Novel host markers in the 2009 pandemic H1N1 influenza a virus. <i>Journal of Biomedical Science and Engineering</i> , 2010, 03, 584-601.	0.2	17
365	Nucleotide host markers in the influenza A viruses. <i>Journal of Biomedical Science and Engineering</i> , 2010, 03, 684-699.	0.2	13

#	ARTICLE	IF	CITATIONS
366	Binding mode prediction and inhibitor design of anti-influenza virus diketo acids targeting metalloenzyme RNA polymerase by molecular docking. <i>Bioinformatics</i> , 2011, 6, 221-225.	0.2	20
367	pp32 and APRIL are host cell-derived regulators of influenza virus RNA synthesis from cRNA. <i>ELife</i> , 2015, 4, .	2.8	83
368	Inhibition of viral RNA-dependent RNA polymerases with clinically relevant nucleotide analogs. <i>The Enzymes</i> , 2021, 49, 315-354.	0.7	9
369	Triple reassortment increases compatibility among viral ribonucleoprotein genes of contemporary avian and human influenza A viruses. <i>PLoS Pathogens</i> , 2021, 17, e1009962.	2.1	3
371	Tackling influenza. <i>PSI Structural Genomics Knowledgebase</i> , 2009, , .	0.0	0
372	Structure-Based Drug Design Targeting a Subunit Interaction of Influenza Virus RNA Polymerase. <i>Nihon Kessho Gakkaishi</i> , 2010, 52, 271-278.	0.0	0
373	How hantaviruses modulate cellular pathways for efficient replication. <i>Frontiers in Bioscience - Elite</i> , 2013, E5, 154-166.	0.9	7
374	Replication Cycle of Influenza Viruses. , 2014, , 15-30.		0
375	Adventures in Small Molecule Fragment Screening by X-ray Crystallography. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2015, , 197-208.	0.5	0
378	Discovery and optimization of new 6, 7-dihydroxy-1, 2, 3, 4-tetrahydroisoquinoline derivatives as potent influenza virus PAN inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113929.	2.6	10
379	Baloxavir Marboxil: A New Antiviral for Acute Influenza. <i>Journal of Contemporary Pharmacy Practice</i> , 2020, 66, 33-38.	0.2	0
380	Influenza A Virusâ€™Host Specificity: An Ongoing Cross-Talk Between Viral and Host Factors. <i>Frontiers in Microbiology</i> , 2021, 12, 777885.	1.5	10
382	Identification of Influenza PAN Endonuclease Inhibitors via 3D-QSAR Modeling and Docking-Based Virtual Screening. <i>Molecules</i> , 2021, 26, 7129.	1.7	5
383	Contemporary medicinal chemistry strategies for the discovery and optimization of influenza inhibitors targeting vRNP constituent proteins. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1805-1824.	5.7	13
384	Identification of the Inhibitory Compounds for Metallo-Î²-lactamases and Structural Analysis of the Binding Modes. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1179-1183.	0.6	2
386	Multi-target Approaches of Epigallocatechin-3-O-gallate (EGCG) and its Derivatives against Influenza Viruses. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1485-1500.	1.0	5
387	Insights into two-metal-ion catalytic mechanism of cap-snatching endonuclease of Ebinur Lake virus in Bunyavirales. <i>Journal of Virology</i> , 2022, , jvi0208521.	1.5	6
388	Migration of Influenza Virus Nucleoprotein into the Nucleolus Is Essential for Ribonucleoprotein Complex Formation. <i>MBio</i> , 2022, 13, .	1.8	4

#	ARTICLE	IF	CITATIONS
389	Deciphering Respiratory-Virus-Associated Interferon Signaling in COPD Airway Epithelium. <i>Medicina (Lithuania)</i> , 2022, 58, 121.	0.8	6
390	Screening and identification of Lassa virus endonuclease-targeting inhibitors from a fragment-based drug discovery library. <i>Antiviral Research</i> , 2022, 197, 105230.	1.9	4
391	PABP1 Drives the Selective Translation of Influenza A Virus mRNA. <i>Journal of Molecular Biology</i> , 2022, 434, 167460.	2.0	5
392	Targeted inhibition of the endonuclease activity of influenza polymerase acidic proteins. <i>Future Medicinal Chemistry</i> , 2022, 14, 571-586.	1.1	1
398	An overview of influenza A virus genes, protein functions, and replication cycle highlighting important updates. <i>Virus Genes</i> , 2022, 58, 255-269.	0.7	22
399	Transcription and replication complex of influenza virus, a new antiviral drugs target. <i>Virologie</i> , 2013, 17, 6-16.	0.1	0
400	A novel E198K substitution in the PA gene of influenza A virus with reduced susceptibility to baloxavir acid. <i>Archives of Virology</i> , 2022, 167, 1565-1570.	0.9	3
401	The Role of Viral RNA Degrading Factors in Shutoff of Host Gene Expression. <i>Annual Review of Virology</i> , 2022, 9, 213-238.	3.0	11
403	Synthesis and biological evaluation of baloxavir marboxil analogs for the treatment of influenza A () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	0
404	Bunyaviral N Proteins Localize at RNA Processing Bodies and Stress Granules: The Enigma of Cytoplasmic Sources of Capped RNA for Cap Snatching. <i>Viruses</i> , 2022, 14, 1679.	1.5	6
405	Cap-snatching as a possible contributor to photosynthesis shut-off. <i>Journal of General Virology</i> , 2022, 103, .	1.3	0
406	A Systemic Review on Medicinal Plants and Their Bioactive Constituents Against Avian Influenza and Further Confirmation Through In-Silico Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
407	Preparation of Recombinant PA Endonuclease Domain Protein of Influenza A Virus and Its Application for Glycobiology Research. <i>Methods in Molecular Biology</i> , 2022, , 69-78.	0.4	0
408	Role of RNA Polymerase II Promoter-Proximal Pausing in Viral Transcription. <i>Viruses</i> , 2022, 14, 2029.	1.5	4
409	Host adaptive mutations in the 2009 H1N1 pandemic influenza A virus PA gene regulate translation efficiency of viral mRNAs via GRSF1. <i>Communications Biology</i> , 2022, 5, .	2.0	4
411	Anti-influenza agents. , 2023, , 211-239.		0
412	A systematic review on the state-of-the-art strategies for protein representation. <i>Computers in Biology and Medicine</i> , 2023, 152, 106440.	3.9	1
413	Differential Impact of Specific Amino Acid Residues on the Characteristics of Avian Influenza Viruses in Mammalian Systems. <i>Pathogens</i> , 2022, 11, 1385.	1.2	1

#	ARTICLE	IF	CITATIONS
414	Identification of N- and C-3-Modified Laudanosoline Derivatives as Novel Influenza PA _N Endonuclease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2023, 66, 188-219.	2.9	5
415	Carboxylic Acid Isostere Derivatives of Hydroxypyridinones as Core Scaffolds for Influenza Endonuclease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2023, 14, 75-82.	1.3	2
416	Influenza antivirals and their role in pandemic preparedness. <i>Antiviral Research</i> , 2023, 210, 105499.	1.9	17
417	Structural and Functional RNA Motifs of SARS-CoV-2 and Influenza A Virus as a Target of Viral Inhibitors. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1232.	1.8	8
418	Non-Negligible Role of Trace Elements in Influenza Virus Infection. <i>Metabolites</i> , 2023, 13, 184.	1.3	1
419	The ubiquitination landscape of the influenza A virus polymerase. <i>Nature Communications</i> , 2023, 14, .	5.8	8
420	Application Potential of Luteolin in the Treatment of Viral Pneumonia. <i>Journal of Food Biochemistry</i> , 2023, 2023, 1-20.	1.2	0
421	A systemic review on medicinal plants and their bioactive constituents against avian influenza and further confirmation through in-silico analysis. <i>Heliyon</i> , 2023, 9, e14386.	1.4	1
422	Recent Developments in the Treatment of Influenza. , 2023, , 237-267.		0
435	Avian and swine influenza viruses. , 2024, , 2375-2411.		0