Ervin Fodor

List of Publications by Year
in descending order

105	9,311	41344	42399
papers	citations	49	92
		h-index	g-index

117	117	117	7263
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rescue of Influenza A Virus from Recombinant DNA. Journal of Virology, 1999, 73, 9679-9682.	3.4	741
2	RIG-I Detects Viral Genomic RNA during Negative-Strand RNA Virus Infection. Cell, 2010, 140, 397-408.	28.9	508
3	Crystal structure of an avian influenza polymerase PAN reveals an endonuclease active site. Nature, 2009, 458, 909-913.	27.8	437
4	Influenza virus RNA polymerase: insights into the mechanisms of viral RNA synthesis. Nature Reviews Microbiology, 2016, 14, 479-493.	28.6	342
5	Evaluation of a Genetically Modified Reassortant H5N1 Influenza A Virus Vaccine Candidate Generated by Plasmid-Based Reverse Genetics. Virology, 2003, 305, 192-200.	2.4	243
6	The mechanism of resistance to favipiravir in influenza. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11613-11618.	7.1	243
7	A Single Amino Acid Mutation in the PA Subunit of the Influenza Virus RNA Polymerase Inhibits Endonucleolytic Cleavage of Capped RNAs. Journal of Virology, 2002, 76, 8989-9001.	3.4	235
8	Differential use of importin-Î± isoforms governs cell tropism and host adaptation of influenza virus. Nature Communications, 2011, 2, 156.	12.8	222
9	Conserved and host-specific features of influenza virion architecture. Nature Communications, 2014, 5, 4816.	12.8	214
10	Common and unique features of viral RNA-dependent polymerases. Cellular and Molecular Life Sciences, 2014, 71, 4403-4420.	5.4	207
11	Association of the Influenza A Virus RNA-Dependent RNA Polymerase with Cellular RNA Polymerase II. Journal of Virology, 2005, 79, 5812-5818.	3.4	197
12	The PB2 Subunit of the Influenza Virus RNA Polymerase Affects Virulence by Interacting with the Mitochondrial Antiviral Signaling Protein and Inhibiting Expression of Beta Interferon. Journal of Virology, 2010, 84, 8433-8445.	3.4	187
13	Identification of a Novel Splice Variant Form of the Influenza A Virus M2 Ion Channel with an Antigenically Distinct Ectodomain. PLoS Pathogens, 2012, 8, e1002998.	4.7	187
14	Direct Evidence that the Poly(A) Tail of Influenza A Virus mRNA Is Synthesized by Reiterative Copying of a U Track in the Virion RNA Template. Journal of Virology, 1999, 73, 3473-3476.	3.4	178
15	NS2/NEP protein regulates transcription and replication of the influenza virus RNA genome. Journal of General Virology, 2009, 90, 1398-1407.	2.9	177
16	Influenza virus activation of the interferon system. Virus Research, 2015, 209, 11-22.	2.2	164
17	The structure of the influenza A virus genome. Nature Microbiology, 2019, 4, 1781-1789.	13.3	157
18	Structures of influenza A virus RNA polymerase offer insight into viral genome replication. Nature, 2019, 573, 287-290.	27.8	151

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19	Crystal structure of the RNA-dependent RNA polymerase from influenza C virus. Nature, 2015, 527, 114-117.	27.8	145
20	The PA Subunit Is Required for Efficient Nuclear Accumulation of the PB1 Subunit of the Influenza A Virus RNA Polymerase Complex. Journal of Virology, 2004, 78, 9144-9153.	3.4	143
21	Hsp90 inhibitors reduce influenza virus replication in cell culture. Virology, 2008, 377, 431-439.	2.4	136
22	In Vitro Assembly of PB2 with a PB1-PA Dimer Supports a New Model of Assembly of Influenza A Virus Polymerase Subunits into a Functional Trimeric Complex. Journal of Virology, 2005, 79, 8669-8674.	3.4	134
23	Emerging Roles for the Influenza A Virus Nuclear Export Protein (NEP). PLoS Pathogens, 2012, 8, e1003019.	4.7	128
24	Influenza A Virus Assembly Intermediates Fuse in the Cytoplasm. PLoS Pathogens, 2014, 10, e1003971.	4.7	128
25	Two Aromatic Residues in the PB2 Subunit of Influenza A RNA Polymerase Are Crucial for Cap Binding. Journal of Biological Chemistry, 2003, 278, 20381-20388.	3.4	126
26	Role of Ran Binding Protein 5 in Nuclear Import and Assembly of the Influenza Virus RNA Polymerase Complex. Journal of Virology, 2006, 80, 11911-11919.	3.4	126
27	Mapping the Phosphoproteome of Influenza A and B Viruses by Mass Spectrometry. PLoS Pathogens, 2012, 8, e1002993.	4.7	121
28	Isolation and characterization of the positive-sense replicative intermediate of a negative-strand RNA virus. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4238-45.	7.1	118
29	Functional association between viral and cellular transcription during influenza virus infection. Reviews in Medical Virology, 2006, 16, 329-345.	8.3	107
30	The role and assembly mechanism of nucleoprotein in influenza A virus ribonucleoprotein complexes. Nature Communications, 2013, 4, 1591.	12.8	105
31	Nidovirus RNA polymerases: Complex enzymes handling exceptional RNA genomes. Virus Research, 2017, 234, 58-73.	2.2	96
32	Mini viral RNAs act as innate immune agonists during influenza virus infection. Nature Microbiology, 2018, 3, 1234-1242.	13.3	96
33	Single-Cell Virus Sequencing of Influenza Infections That Trigger Innate Immunity. Journal of Virology, 2019, 93, .	3.4	93
34	The role of the priming loop in influenza A virus RNA synthesis. Nature Microbiology, 2016, 1, .	13.3	89
35	Host ANP32A mediates the assembly of the influenza virus replicase. Nature, 2020, 587, 638-643.	27.8	89
36	Structure and Function of the Influenza Virus Transcription and Replication Machinery. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a038398.	6.2	85

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37	Pseudotyped Influenza A Virus as a Vaccine for the Induction of Heterotypic Immunity. Journal of Virology, 2012, 86, 13397-13406.	3.4	82
38	Influenza Virus Mounts a Two-Pronged Attack on Host RNA Polymerase II Transcription. Cell Reports, 2018, 23, 2119-2129.e3.	6.4	81
39	Filamentous influenza viruses. Journal of General Virology, 2016, 97, 1755-1764.	2.9	77
40	Polyadenylation of Influenza Virus mRNA Transcribed In Vitro from Model Virion RNA Templates: Requirement for 5â€² Conserved Sequences. Journal of Virology, 1998, 72, 1280-1286.	3.4	77
41	A Single Amino Acid Mutation in the PA Subunit of the Influenza Virus RNA Polymerase Promotes the Generation of Defective Interfering RNAs. Journal of Virology, 2003, 77, 5017-5020.	3.4	74
42	Transport of the Influenza Virus Genome from Nucleus to Nucleus. Viruses, 2013, 5, 2424-2446.	3.3	71
43	Structural insights into RNA polymerases of negative-sense RNA viruses. Nature Reviews Microbiology, 2021, 19, 303-318.	28.6	71
44	Association of the Influenza Virus RNA Polymerase Subunit PB2 with the Host Chaperonin CCT. Journal of Virology, 2010, 84, 8691-8699.	3.4	68
45	Influenza virus inhibits RNA polymerase II elongation. Virology, 2006, 351, 210-217.	2.4	66
46	Mechanisms and functional implications of the degradation of host RNA polymerase II in influenza virus infected cells. Virology, 2010, 396, 125-134.	2.4	64
47	Functional Analysis of the Influenza Virus H5N1 Nucleoprotein Tail Loop Reveals Amino Acids That Are Crucial for Oligomerization and Ribonucleoprotein Activities. Journal of Virology, 2010, 84, 7337-7345.	3.4	62
48	Interplay between Influenza Virus and the Host RNA Polymerase II Transcriptional Machinery. Trends in Microbiology, 2019, 27, 398-407.	7.7	62
49	Attenuation of Influenza A Virus mRNA Levels by Promoter Mutations. Journal of Virology, 1998, 72, 6283-6290.	3.4	55
50	Characterization of a mitochondrial-targeting signal in the PB2 protein of influenza viruses. Virology, 2006, 344, 492-508.	2.4	54
51	Interactome Analysis of the Influenza A Virus Transcription/Replication Machinery Identifies Protein Phosphatase 6 as a Cellular Factor Required for Efficient Virus Replication. Journal of Virology, 2014, 88, 13284-13299.	3.4	54
52	The Influenza A Virus NS1 Protein Interacts with the Nucleoprotein of Viral Ribonucleoprotein Complexes. Journal of Virology, 2011, 85, 5228-5231.	3.4	51
53	Biogenesis, assembly, and export of viral messenger ribonucleoproteins in the influenza A virus infected cell. RNA Biology, 2013, 10, 1274-1282.	3.1	51
54	Characterization of the interaction between the influenza A virus polymerase subunit PB1 and the host nuclear import factor Ran-binding protein 5. Journal of General Virology, 2011, 92, 1859-1869.	2.9	48

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55	The accumulation of influenza A virus segment 7 spliced mRNAs is regulated by the NS1 protein. Journal of General Virology, 2012, 93, 113-118.	2.9	48
56	Single-molecule FRET reveals a corkscrew RNA structure for the polymerase-bound influenza virus promoter. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3335-42.	7.1	46
57	Molecular Determinants of Pathogenicity in the Polymerase Complex. Current Topics in Microbiology and Immunology, 2014, 385, 35-60.	1.1	46
58	Regulation of Influenza A Virus Nucleoprotein Oligomerization by Phosphorylation. Journal of Virology, 2015, 89, 1452-1455.	3.4	46
59	Splicing of influenza A virus NS1 mRNA is independent of the viral NS1 protein. Journal of General Virology, 2010, 91, 2331-2340.	2.9	45
60	Moving On Out: Transport and Packaging of Influenza Viral RNA into Virions. Annual Review of Virology, 2016, 3, 411-427.	6.7	45
61	NS Reassortment of an H7-Type Highly Pathogenic Avian Influenza Virus Affects Its Propagation by Altering the Regulation of Viral RNA Production and Antiviral Host Response. Journal of Virology, 2010, 84, 11323-11335.	3.4	44
62	The role of the influenza virus RNA polymerase in host shut-off. Virulence, 2010, 1, 436-439.	4.4	42
63	A Mechanism for the Activation of the Influenza Virus Transcriptase. Molecular Cell, 2018, 70, 1101-1110.e4.	9.7	42
64	Zinc-Embedded Polyamide Fabrics Inactivate SARS-CoV-2 and Influenza A Virus. ACS Applied Materials & Interfaces, 2021, 13, 30317-30325.	8.0	42
65	Influenza Polymerase Activity Correlates with the Strength of Interaction between Nucleoprotein and PB2 through the Host-Specific Residue K/E627. PLoS ONE, 2012, 7, e36415.	2.5	41
66	Role of the PB2 627 Domain in Influenza A Virus Polymerase Function. Journal of Virology, 2017, 91, .	3.4	39
67	Cellular cap-binding proteins associate with influenza virus mRNAs. Journal of General Virology, 2011, 92, 1627-1634.	2.9	38
68	Nuclear dynamics of influenza A virus ribonucleoproteins revealed by live-cell imaging studies. Virology, 2009, 394, 154-163.	2.4	36
69	Characterization of the SARS-CoV-2 ExoN (nsp14ExoNâ€“nsp10) complex: implications for its role in viral genome stability and inhibitor identification. Nucleic Acids Research, 2022, 50, 1484-1500.	14.5	36
70	RNA-Free and Ribonucleoprotein-Associated Influenza Virus Polymerases Directly Bind the Serine-5-Phosphorylated Carboxyl-Terminal Domain of Host RNA Polymerase II. Journal of Virology, 2016, 90, 6014-6021.	3.4	34
71	A Mechanism for Priming and Realignment during Influenza A Virus Replication. Journal of Virology, 2018, 92, .	3.4	34
72	Host Restriction of Influenza Virus Polymerase Activity by PB2 627E Is Diminished on Short Viral Templates in a Nucleoprotein-Independent Manner. Journal of Virology, 2014, 88, 339-344.	3.4	32

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73	Single-molecule FRET reveals the pre-initiation and initiation conformations of influenza virus promoter RNA. Nucleic Acids Research, 2016, 44, gkw884.	14.5	32
74	Stabilization of Influenza Virus Replication Intermediates Is Dependent on the RNA-Binding but Not the Homo-Oligomerization Activity of the Viral Nucleoprotein. Journal of Virology, 2011, 85, 12073-12078.	3.4	31
75	Polyuridylated mRNA Synthesized by a Recombinant Influenza Virus Is Defective in Nuclear Export. Journal of Virology, 2000, 74, 418-427.	3.4	30
76	Initiation, Elongation, and Realignment during Influenza Virus mRNA Synthesis. Journal of Virology, 2018, 92, .	3.4	30
77	Influenza virus replication. Perspectives in Medical Virology, 2002, , 1-29.	0.1	29
78	The SARS-CoV-2 RNA polymerase is a viral RNA capping enzyme. Nucleic Acids Research, 2021, 49, 13019-13030.	14.5	29
79	The PB2 Subunit of the Influenza A Virus RNA Polymerase Is Imported into the Mitochondrial Matrix. Journal of Virology, 2016, 90, 8729-8738.	3.4	26
80	Design, Synthesis, and Biological Evaluation of Novel Indoles Targeting the Influenza PB2 Cap Binding Region. Journal of Medicinal Chemistry, 2019, 62, 9680-9690.	6.4	21
81	Reduced levels of neuraminidase of influenza A viruses correlate with attenuated phenotypes in mice. Journal of General Virology, 2000, 81, 737-742.	2.9	21
82	Targeting Importin-Î±7 as a Therapeutic Approach against Pandemic Influenza Viruses. Journal of Virology, 2015, 89, 9010-9020.	3.4	20
83	A cluster of conserved basic amino acids near the C-terminus of the PB1 subunit of the influenza virus RNA polymerase is involved in the regulation of viral transcription. Virology, 2008, 373, 202-210.	2.4	19
84	Influenza Virus RNA Synthesis and the Innate Immune Response. Viruses, 2021, 13, 780.	3.3	18
85	The C-terminal LCAR of host ANP32 proteins interacts with the influenza A virus nucleoprotein to promote the replication of the viral RNA genome. Nucleic Acids Research, 2022, 50, 5713-5725.	14.5	18
86	Influenza A Virus Defective Viral Genomes Are Inefficiently Packaged into Virions Relative to Wild-Type Genomic RNAs. MBio, 2021, 12, e0295921.	4.1	17
87	The Surface-Exposed PA ⁵¹⁻⁷² -Loop of the Influenza A Virus Polymerase Is Required for Viral Genome Replication. Journal of Virology, 2018, 92, .	3.4	15
88	The Host Factor ANP32A Is Required for Influenza A Virus vRNA and cRNA Synthesis. Journal of Virology, 2022, 96, jvi0209221.	3.4	15
89	Messenger RNAs that are not synthesized by RNA polymerase II can be 3â€² end cleaved and polyadenylated. EMBO Reports, 2000, 1, 513-518.	4.5	14
90	Mapping inhibitory sites on the RNA polymerase of the 1918 pandemic influenza virus using nanobodies. Nature Communications, 2022, 13, 251.	12.8	14

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91	The influenza virus RNA polymerase as an innate immune agonist and antagonist. Cellular and Molecular Life Sciences, 2021, 78, 7237-7256.	5.4	13
92	Real-time analysis of single influenza virus replication complexes reveals large promoter-dependent differences in initiation dynamics. Nucleic Acids Research, 2019, 47, 6466-6477.	14.5	12
93	Enisamium Reduces Influenza Virus Shedding and Improves Patient Recovery by Inhibiting Viral RNA Polymerase Activity. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	10
94	Mutation of an Influenza Virus Polymerase 3â€² RNA Promoter Binding Site Inhibits Transcription Elongation. Journal of Virology, 2020, 94, .	3.4	9
95	Amino acid substitutions affecting aspartic acid 605 and valine 606 decrease the interaction strength between the influenza virus RNA polymerase PB2 '627' domain and the viral nucleoprotein. PLoS ONE, 2018, 13, e0191226.	2.5	8
96	Structure of an H3N2 influenza virus nucleoprotein. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 208-214.	0.8	8
97	Uncoupling of Influenza A Virus Transcription and Replication through Mutation of the Unpaired Adenosine in the Viral RNA Promoter. Journal of Virology, 2013, 87, 10381-10384.	3.4	7
98	The C-Terminal Domains of the PB2 Subunit of the Influenza A Virus RNA Polymerase Directly Interact with Cellular GTPase Rab11a. Journal of Virology, 2022, 96, jvi0197921.	3.4	7
99	Synergistic Effect between 3â€²-Terminal Noncoding and Adjacent Coding Regions of the Influenza A Virus Hemagglutinin Segment on Template Preference. Journal of Virology, 2021, 95, e0087821.	3.4	6
100	Insight into the multifunctional RNA synthesis machine of rabies virus. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3895-3897.	7.1	3
101	Flu transcription captured in action. Nature Structural and Molecular Biology, 2019, 26, 393-395.	8.2	1
102	Transcription of influenza A virus genes. International Congress Series, 2001, 1219, 427-434.	0.2	0
103	Mutational analysis of the PA and PB2 subunits of the influenza RNA polymerase complex leads to new insights into function. International Congress Series, 2004, 1263, 25-28.	0.2	0
104	Understanding viral replication and transcription using single-molecule techniques. The Enzymes, 2021, 49, 83-113.	1.7	0
105	Tinker, tailor, antiviral: RNA virus inhibition by induced recombination. Trends in Biochemical Sciences, 2022, , .	7.5	0