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	Mapping inhibitory sites on the RNA polymerase of the 1918 pandemic influenza virus using nanobodies. Nature Communications, 2022, 13, 251.	12.8	14
2	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
3	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
4	Tinker, tailor, antiviral: RNA virus inhibition by induced recombination. Trends in Biochemical Sciences, 2022, , .	7.5	0
5	The Host Factor ANP32A Is Required for Influenza A Virus vRNA and cRNA Synthesis. Journal of Virology, 2022, 96, jvi0209221.	3.4	15
6	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
7	Structural insights into RNA polymerases of negative-sense RNA viruses. Nature Reviews Microbiology, 2021, 19, 303-318.	28.6	71
8	Enisamium Reduces Influenza Virus Shedding and Improves Patient Recovery by Inhibiting Viral RNA Polymerase Activity. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	10
9	Influenza Virus RNA Synthesis and the Innate Immune Response. Viruses, 2021, 13, 780.	3.3	18
10	Zinc-Embedded Polyamide Fabrics Inactivate SARS-CoV-2 and Influenza A Virus. ACS Applied Materials & Interfaces, 2021, 13, 30317-30325.	8.0	42
11	Structure of an H3N2 influenza virus nucleoprotein. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 208-214.	0.8	8
12	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
13	Understanding viral replication and transcription using single-molecule techniques. The Enzymes, 2021, 49, 83-113.	1.7	0
14	The influenza virus RNA polymerase as an innate immune agonist and antagonist. Cellular and Molecular Life Sciences, 2021, 78, 7237-7256.	5.4	13
15	The SARS-CoV-2 RNA polymerase is a viral RNA capping enzyme. Nucleic Acids Research, 2021, 49, 13019-13030.	14.5	29
16	Influenza A Virus Defective Viral Genomes Are Inefficiently Packaged into Virions Relative to Wild-Type Genomic RNAs. MBio, 2021, 12, e0295921.	4.1	17
17	Structure and Function of the Influenza Virus Transcription and Replication Machinery. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a038398.	6.2	85
18	Host ANP32A mediates the assembly of the influenza virus replicase. Nature, 2020, 587, 638-643.	27.8	89

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19	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
20	Mutation of an Influenza Virus Polymerase 3â€² RNA Promoter Binding Site Inhibits Transcription Elongation. Journal of Virology, 2020, 94, .	3.4	9
21	The structure of the influenza A virus genome. Nature Microbiology, 2019, 4, 1781-1789.	13.3	157
22	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
23	Structures of influenza A virus RNA polymerase offer insight into viral genome replication. Nature, 2019, 573, 287-290.	27.8	151
24	Flu transcription captured in action. Nature Structural and Molecular Biology, 2019, 26, 393-395.	8.2	1
25	Single-Cell Virus Sequencing of Influenza Infections That Trigger Innate Immunity. Journal of Virology, 2019, 93, .	3.4	93
26	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
27	Interplay between Influenza Virus and the Host RNA Polymerase II Transcriptional Machinery. Trends in Microbiology, 2019, 27, 398-407.	7.7	62
28	Initiation, Elongation, and Realignment during Influenza Virus mRNA Synthesis. Journal of Virology, 2018, 92, .	3.4	30
29	A Mechanism for Priming and Realignment during Influenza A Virus Replication. Journal of Virology, 2018, 92, .	3.4	34
30	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
31	Mini viral RNAs act as innate immune agonists during influenza virus infection. Nature Microbiology, 2018, 3, 1234-1242.	13.3	96
32	Influenza Virus Mounts a Two-Pronged Attack on Host RNA Polymerase II Transcription. Cell Reports, 2018, 23, 2119-2129.e3.	6.4	81
33	A Mechanism for the Activation of the Influenza Virus Transcriptase. Molecular Cell, 2018, 70, 1101-1110.e4.	9.7	42
34	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
35	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
36	Role of the PB2 627 Domain in Influenza A Virus Polymerase Function. Journal of Virology, 2017, 91, .	3.4	39

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37	Nidovirus RNA polymerases: Complex enzymes handling exceptional RNA genomes. Virus Research, 2017, 234, 58-73.	2.2	96
38	Filamentous influenza viruses. Journal of General Virology, 2016, 97, 1755-1764.	2.9	77
39	Influenza virus RNA polymerase: insights into the mechanisms of viral RNA synthesis. Nature Reviews Microbiology, 2016, 14, 479-493.	28.6	342
40	Single-molecule FRET reveals the pre-initiation and initiation conformations of influenza virus promoter RNA. Nucleic Acids Research, 2016, 44, gkw884.	14.5	32
41	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
42	The role of the priming loop in influenza A virus RNA synthesis. Nature Microbiology, 2016, 1, .	13.3	89
43	Moving On Out: Transport and Packaging of Influenza Viral RNA into Virions. Annual Review of Virology, 2016, 3, 411-427.	6.7	45
44	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
45	Regulation of Influenza A Virus Nucleoprotein Oligomerization by Phosphorylation. Journal of Virology, 2015, 89, 1452-1455.	3.4	46
46	Influenza virus activation of the interferon system. Virus Research, 2015, 209, 11-22.	2.2	164
47	Targeting Importin-Î±7 as a Therapeutic Approach against Pandemic Influenza Viruses. Journal of Virology, 2015, 89, 9010-9020.	3.4	20
48	Crystal structure of the RNA-dependent RNA polymerase from influenza C virus. Nature, 2015, 527, 114-117.	27.8	145
49	Influenza A Virus Assembly Intermediates Fuse in the Cytoplasm. PLoS Pathogens, 2014, 10, e1003971.	4.7	128
50	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
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	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
53	Molecular Determinants of Pathogenicity in the Polymerase Complex. Current Topics in Microbiology and Immunology, 2014, 385, 35-60.	1.1	46
54	Common and unique features of viral RNA-dependent polymerases. Cellular and Molecular Life Sciences, 2014, 71, 4403-4420.	5.4	207

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55	Conserved and host-specific features of influenza virion architecture. Nature Communications, 2014, 5, 4816.	12.8	214
56	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
57	The role and assembly mechanism of nucleoprotein in influenza A virus ribonucleoprotein complexes. Nature Communications, 2013, 4, 1591.	12.8	105
58	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
59	Transport of the Influenza Virus Genome from Nucleus to Nucleus. Viruses, 2013, 5, 2424-2446.	3.3	71
60	Biogenesis, assembly, and export of viral messenger ribonucleoproteins in the influenza A virus infected cell. RNA Biology, 2013, 10, 1274-1282.	3.1	51
61	Emerging Roles for the Influenza A Virus Nuclear Export Protein (NEP). PLoS Pathogens, 2012, 8, e1003019.	4.7	128
62	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
63	Mapping the Phosphoproteome of Influenza A and B Viruses by Mass Spectrometry. PLoS Pathogens, 2012, 8, e1002993.	4.7	121
64	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
65	Pseudotyped Influenza A Virus as a Vaccine for the Induction of Heterotypic Immunity. Journal of Virology, 2012, 86, 13397-13406.	3.4	82
66	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
67	Differential use of importin-Î± isoforms governs cell tropism and host adaptation of influenza virus. Nature Communications, 2011, 2, 156.	12.8	222
68	The Influenza A Virus NS1 Protein Interacts with the Nucleoprotein of Viral Ribonucleoprotein Complexes. Journal of Virology, 2011, 85, 5228-5231.	3.4	51
69	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
70	Cellular cap-binding proteins associate with influenza virus mRNAs. Journal of General Virology, 2011, 92, 1627-1634.	2.9	38
71	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
72	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

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73	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
74	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
75	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
76	Association of the Influenza Virus RNA Polymerase Subunit PB2 with the Host Chaperonin CCT. Journal of Virology, 2010, 84, 8691-8699.	3.4	68
77	The role of the influenza virus RNA polymerase in host shut-off. Virulence, 2010, 1, 436-439.	4.4	42
78	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
79	RIG-I Detects Viral Genomic RNA during Negative-Strand RNA Virus Infection. Cell, 2010, 140, 397-408.	28.9	508
80	NS2/NEP protein regulates transcription and replication of the influenza virus RNA genome. Journal of General Virology, 2009, 90, 1398-1407.	2.9	177
81	Nuclear dynamics of influenza A virus ribonucleoproteins revealed by live-cell imaging studies. Virology, 2009, 394, 154-163.	2.4	36
82	Crystal structure of an avian influenza polymerase PAN reveals an endonuclease active site. Nature, 2009, 458, 909-913.	27.8	437
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	Hsp90 inhibitors reduce influenza virus replication in cell culture. Virology, 2008, 377, 431-439.	2.4	136
85	Functional association between viral and cellular transcription during influenza virus infection. Reviews in Medical Virology, 2006, 16, 329-345.	8.3	107
86	Characterization of a mitochondrial-targeting signal in the PB2 protein of influenza viruses. Virology, 2006, 344, 492-508.	2.4	54
87	Influenza virus inhibits RNA polymerase II elongation. Virology, 2006, 351, 210-217.	2.4	66
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	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
96	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
97	Influenza virus replication. Perspectives in Medical Virology, 2002, , 1-29.	0.1	29
98	Transcription of influenza A virus genes. International Congress Series, 2001, 1219, 427-434.	0.2	0
99	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
100	Polyuridylated mRNA Synthesized by a Recombinant Influenza Virus Is Defective in Nuclear Export. Journal of Virology, 2000, 74, 418-427.	3.4	30
101	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
102	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
103	Rescue of Influenza A Virus from Recombinant DNA. Journal of Virology, 1999, 73, 9679-9682.	3.4	741
104	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
105	Attenuation of Influenza A Virus mRNA Levels by Promoter Mutations. Journal of Virology, 1998, 72, 6283-6290.	3.4	55