Robert M Krug

List of Publications by Year
in descending order

30 papers	3,743 citations	257450 24 h-index	454955 30 g-index
50 all docs	50 docs citations	50 times ranked	3661 citing authors

#	Article	IF	Citations
1	A unique cap(m7GpppXm)-dependent influenza virion endonuclease cleaves capped RNAs to generate the primers that initiate viral RNA transcription. Cell, 1981, 23, 847-858.	28.9	685
2	Influenza Virus NS1 Protein Interacts with the Cellular 30 kDa Subunit of CPSF and Inhibits 3â€² End Formation of Cellular Pre-mRNAs. Molecular Cell, 1998, 1, 991-1000.	9.7	548
3	The primary function of RNA binding by the influenza A virus NS1 protein in infected cells: Inhibiting the 2'-5' oligo (A) synthetase/RNase L pathway. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7100-7105.	7.1	414
4	Intracellular warfare between human influenza viruses and human cells: the roles of the viral NS1 protein. Virology, 2003, 309, 181-189.	2.4	233
5	RNA binding by the novel helical domain of the influenza virus NS1 protein requires its dimer structure and a small number of specific basic amino acids. Rna, 1999, 5, 195-205.	3.5	225
6	Functions of the influenza A virus NS1 protein in antiviral defense. Current Opinion in Virology, 2015, 12, 1-6.	5.4	160
7	The CPSF30 Binding Site on the NS1A Protein of Influenza A Virus Is a Potential Antiviral Target. Journal of Virology, 2006, 80, 3957-3965.	3.4	157
8	A novel RNA-binding motif in influenza A virus non-structural protein 1. Nature Structural and Molecular Biology, 1997, 4, 891-895.	8.2	110
9	The 3â€²-end-processing factor CPSF is required for the splicing of single-intron pre-mRNAs in vivo. Rna, 2001, 7, 920-931.	3.5	110
10	Biophysical Characterization of the Complex between Double-Stranded RNA and the N-Terminal Domain of the NS1 Protein from Influenza A Virus:â€‰ Evidence for a Novel RNA-Binding Mode. Biochemistry, 2004, 43, 1950-1962.	2.5	107
11	Cellular DDX21 RNA Helicase Inhibits Influenza A Virus Replication but Is Counteracted by the Viral NS1 Protein. Cell Host and Microbe, 2014, 15, 484-493.	11.0	96
12	Nuclear TRIM25 Specifically Targets Influenza Virus Ribonucleoproteins to Block the Onset of RNA Chain Elongation. Cell Host and Microbe, 2017, 22, 627-638.e7.	11.0	94
13	Battle between influenza A virus and a newly identified antiviral activity of the PARP-containing ZAPL protein. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14048-14053.	7.1	90
14	Emerging antiviral targets for influenza A virus. Trends in Pharmacological Sciences, 2009, 30, 269-277.	8.7	85
15	Conserved Surface Features Form the Double-stranded RNA Binding Site of Non-structural Protein 1 (NS1) from Influenza A and B Viruses. Journal of Biological Chemistry, 2007, 282, 20584-20592.	3.4	80
16	Influenza B virus non-structural protein 1 counteracts ISG15 antiviral activity by sequestering ISGylated viral proteins. Nature Communications, 2016, 7, 12754.	12.8	79
17	Dimer Interface of the Effector Domain of Non-structural Protein 1 from Influenza A Virus. Journal of Biological Chemistry, 2011, 286, 26050-26060.	3.4	58
18	Hepatitis C virus drugs that inhibit SARS-CoV-2 papain-like protease synergize with remdesivir to suppress viral replication in cell culture. Cell Reports, 2021, 35, 109133.	6.4	53

#	Article	IF	Citations
19	19F NMR Reveals Multiple Conformations at the Dimer Interface of the Nonstructural Protein 1 Effector Domain from Influenza A Virus. Structure, 2014, 22, 515-525.	3.3	41
20	VIROLOGY: Clues to the Virulence of H5N1 Viruses in Humans. Science, 2006, 311, 1562-1563.	12.6	39
21	Role of N Terminus-Truncated NS1 Proteins of Influenza A Virus in Inhibiting IRF3 Activation. Journal of Virology, 2016, 90, 4696-4705.	3.4	36
22	Modeling mitigation of influenza epidemics by baloxavir. Nature Communications, 2020, 11, 2750.	12.8	36
23	The potential use of influenza virus as an agent for bioterrorism. Antiviral Research, 2003, 57, 147-150.	4.1	35
24	Avian Influenza Virus PB1 Gene in H3N2 Viruses Evolved in Humans To Reduce Interferon Inhibition by Skewing Codon Usage toward Interferon-Altered tRNA Pools. MBio, 2018, 9, .	4.1	33
25	Properties of the ISG15 E1 Enzyme UbE1L. Methods in Enzymology, 2005, 398, 32-40.	1.0	21
26	Exploring naphthyl-carbohydrazides as inhibitors of influenza A viruses. European Journal of Medicinal Chemistry, 2014, 71, 81-90.	5.5	20
27	A double-stranded RNA platform is required for the interaction between a host restriction factor and the NS1 protein of influenza A virus. Nucleic Acids Research, 2020, 48, 304-315.	14.5	14
28	A Second RNA-Binding Site in the NS1 Protein of Influenza B Virus. Structure, 2016, 24, 1562-1572.	3.3	12
29	Viral Proteins That Bind Double-Stranded RNA: Countermeasures Against Host Antiviral Responses. Journal of Interferon and Cytokine Research, 2014, 34, 464-468.	1.2	8
30	An RNA-synthesizing machine. Nature, 2014, 516, 338-339.	27.8	6