List of Publications by Year in descending order

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		66343	74163
120	6,849	42	75
papers	citations	h-index	g-index
122	122	122	4150
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Primary structure, gene organization and polypeptide expression of poliovirus RNA. Nature, 1981, 291, 547-553.	27.8	1,057
2	Protein 3CD is the major poliovirus proteinase responsible for cleavage of the p1 capsid precursor. Virology, 1988, 166, 265-270.	2.4	374
3	SARS Coronavirus nsp1 Protein Induces Template-Dependent Endonucleolytic Cleavage of mRNAs: Viral mRNAs Are Resistant to nsp1-Induced RNA Cleavage. PLoS Pathogens, 2011, 7, e1002433.	4.7	308
4	MDA5 Detects the Double-Stranded RNA Replicative Form in Picornavirus-Infected Cells. Cell Reports, 2012, 2, 1187-1196.	6.4	190
5	A membrane-associated precursor to poliovirus VPg identified by immunoprecipitation with antibodies directed against a synthetic heptapeptide. Cell, 1982, 28, 405-412.	28.9	183
6	Evolution of multiple genome mutations during long-term persistent infection by vesicular stomatitis virus. Cell, 1979, 16, 495-504.	28.9	180
7	Membrane fractions active in poliovirus RNA replication contain VPg precursor polypeptides. Virology, 1983, 128, 33-47.	2.4	178
8	A nucleo-cytoplasmic SR protein functions in viral IRES-mediated translation initiation. EMBO Journal, 2007, 26, 459-467.	7.8	156
9	Bridging IRES elements in mRNAs to the eukaryotic translation apparatus. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 518-528.	1.9	151
10	Regulation of picornavirus gene expression. Microbes and Infection, 2004, 6, 702-713.	1.9	140
11	Determinants of Membrane Association for Poliovirus Protein 3AB. Journal of Biological Chemistry, 1996, 271, 26810-26818.	3.4	138
12	Cellular Protein Modification by Poliovirus: the Two Faces of Poly(rC)-Binding Protein. Journal of Virology, 2007, 81, 8919-8932.	3.4	135
13	Differential utilization of poly(rC) binding protein 2 in translation directed by picornavirus IRES elements. Rna, 1999, 5, 1570-1585.	3.5	133
14	Expression of a cloned gene segment of poliovirus in E. coli: Evidence for autocatalytic production of the viral proteinase. Cell, 1984, 37, 1063-1073.	28.9	126
15	Distinct Poly(rC) Binding Protein KH Domain Determinants for Poliovirus Translation Initiation and Viral RNA Replication. Journal of Virology, 2002, 76, 12008-12022.	3.4	126
16	Defective Interfering RNA Viruses and the Host-Cell Response. , 1980, , 137-192.		111
17	in vitromolecular genetics as a tool for determining the differential cleavage specificities of the polivirus 3C proteinase. Nucleic Acids Research, 1987, 15, 2069-2088.	14.5	111
18	Defined recombinants of poliovirus and coxsackievirus: Sequence-specific deletions and functional substitutions in the 5â€2-noncoding regions of viral RNAs. Virology, 1988. 162. 47-57.	2.4	94

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19	Atomic Force Microscopy Analysis of Icosahedral Virus RNA. Journal of Molecular Biology, 2005, 347, 41-52.	4.2	94
20	Functional Interaction of Heterogeneous Nuclear Ribonucleoprotein C with Poliovirus RNA Synthesis Initiation Complexes. Journal of Virology, 2005, 79, 3254-3266.	3.4	91
21	An RNA virus hijacks an incognito function of a DNA repair enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14634-14639.	7.1	77
22	Alphacoronavirus Transmissible Gastroenteritis Virus nsp1 Protein Suppresses Protein Translation in Mammalian Cells and in Cell-Free HeLa Cell Extracts but Not in Rabbit Reticulocyte Lysate. Journal of Virology, 2011, 85, 638-643.	3.4	73
23	Picornaviruses and nuclear functions: targeting a cellular compartment distinct from the replication site of a positive-strand RNA virus. Frontiers in Microbiology, 2015, 6, 594.	3.5	73
24	Requirements for Assembly of Poliovirus Replication Complexes and Negative-Strand RNA Synthesis. Journal of Virology, 2001, 75, 3841-3850.	3.4	71
25	Virus protein changes and RNA termini alterations evolving during persistent infection. Cell, 1980, 19, 871-880.	28.9	66
26	IRES-mediated pathways to polysomes: nuclear versus cytoplasmic routes. Trends in Microbiology, 2008, 16, 1-5.	7.7	64
27	Alternate poliovirus nonstructural protein processing cascades generated by primary sites of 3C proteinase cleavage. Virology, 1992, 191, 309-320.	2.4	63
28	Rescue of Defective Poliovirus RNA Replication by 3AB-Containing Precursor Polyproteins. Journal of Virology, 1998, 72, 7191-7200.	3.4	63
29	Cleavage sites in the polypeptide precursors of poliovirus protein P2-X. Virology, 1981, 114, 589-594.	2.4	62
30	Stress-Inducible Alternative Translation Initiation of Human Cytomegalovirus Latency Protein pUL138. Journal of Virology, 2010, 84, 9472-9486.	3.4	62
31	Stem-Loop Structure Synergy in Binding Cellular Proteins to the 5′   Noncoding Region of Poliovirus RNA. Virology, 1995, 206, 923-934.	2.4	60
32	An Infectious cDNA clone of the poliovirus sabin strain could be used as a stable repository and inoculum for the oral polio live vaccine. Virology, 1986, 151, 21-30.	2.4	59
33	RNA Determinants of Picornavirus Cap-Independent Translation Initiation. Seminars in Virology, 1997, 8, 242-255.	3.9	58
34	Altered interactions between stem-loop IV within the 5′ noncoding region of coxsackievirus RNA and poly(rC) binding protein 2: Effects on IRES-mediated translation and viral infectivity. Virology, 2009, 389, 45-58.	2.4	58
35	Cellular mRNA Decay Protein AUF1 Negatively Regulates Enterovirus and Human Rhinovirus Infections. Journal of Virology, 2013, 87, 10423-10434.	3.4	58
36	Translation and Replication Properties of the Human Rhinovirus Genomein Vivoandin Vitro. Virology, 1997, 229, 90-97.	2.4	56

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37	Mechanistic Consequences of hnRNP C Binding to Both RNA Termini of Poliovirus Negative-Strand RNA Intermediates. Journal of Virology, 2010, 84, 4229-4242.	3.4	56
38	Picornavirus Modification of a Host mRNA Decay Protein. MBio, 2012, 3, e00431-12.	4.1	56
39	Poliovirus RNA synthesis in Vitro: Structuralelements and antibody inhibition. Virology, 1983, 126, 624-635.	2.4	55
40	Modulation of the RNA Binding and Protein Processing Activities of Poliovirus Polypeptide 3CD by the Viral RNA Polymerase Domain. Journal of Biological Chemistry, 1999, 274, 12867-12876.	3.4	55
41	Re-localization of Cellular Protein SRp20 during Poliovirus Infection: Bridging a Viral IRES to the Host Cell Translation Apparatus. PLoS Pathogens, 2011, 7, e1002127.	4.7	52
42	A Group B Coxsackievirus/Poliovirus 5′ Nontranslated Region Chimera Can Act as an Attenuated Vaccine Strain in Mice. Journal of Virology, 2000, 74, 4047-4056.	3.4	51
43	Viral subversion of host functions for picornavirus translation and RNA replication. Future Virology, 2012, 7, 179-191.	1.8	50
44	Possible Unifying Mechanism of Picornavirus Genome Replication. , 0, , 225-246.		46
45	Multimerization of poly(rC) binding protein 2 is required for translation initiation mediated by a viral IRES. Rna, 2004, 10, 1266-1276.	3.5	44
46	Cell-Dependent Role for the Poliovirus 3′ Noncoding Region in Positive-Strand RNA Synthesis. Journal of Virology, 2004, 78, 1344-1351.	3.4	43
47	Site-specific mutagenesis of cDNA clones expressing a poliovirus proteinase. Journal of Cellular Biochemistry, 1987, 33, 39-51.	2.6	40
48	Mutations in the Poliovirus 3CD Proteinase S1-Specificity Pocket Affect Substrate Recognition and RNA Binding. Virology, 1996, 218, 1-13.	2.4	40
49	Delayed kinetics of poliovirus RNA synthesis in a human cell line with reduced levels of hnRNP C proteins. Virology, 2010, 400, 240-247.	2.4	40
50	Protein-linked RNA of poliovirus is competent to form an initiation complex of translation in vitro. Nature, 1980, 287, 600-603.	27.8	39
51	An Authentic 3′ Noncoding Region Is Necessary for Efficient Poliovirus Replication. Journal of Virology, 2005, 79, 11962-11973.	3.4	39
52	Enterovirus Persistence in Cardiac Cells of Patients With Idiopathic Dilated Cardiomyopathy Is Linked to 5' Terminal Genomic RNA-Deleted Viral Populations With Viral-Encoded Proteinase Activities. Circulation, 2019, 139, 2326-2338.	1.6	39
53	The linker domain of poly(rC) binding protein 2 is a major determinant in poliovirus cap-independent translation. Virology, 2008, 378, 243-253.	2.4	38
54	Viral Proteinase Requirements for the Nucleocytoplasmic Relocalization of Cellular Splicing Factor SRp20 during Picornavirus Infections. Journal of Virology, 2013, 87, 2390-2400.	3.4	38

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55	Translation Initiation of a Cardiac Voltage-gated Potassium Channel by Internal Ribosome Entry. Journal of Biological Chemistry, 1998, 273, 20109-20113.	3.4	36
56	Mammalian Polycistronic mRNAs and Disease. Trends in Genetics, 2017, 33, 129-142.	6.7	36
57	Inhibition of Poliovirus-Induced Cleavage of Cellular Protein PCBP2 Reduces the Levels of Viral RNA Replication. Journal of Virology, 2014, 88, 3192-3201.	3.4	34
58	An internal ribosome entry site mediates translation of lymphoid enhancer factor-1. Rna, 2005, 11, 1385-1399.	3.5	33
59	Requirements for RNA Replication of a Poliovirus Replicon by Coxsackievirus B3 RNA Polymerase. Journal of Virology, 1999, 73, 9413-9421.	3.4	32
60	Poliovirus translation initiation: Differential effects of directed and selected mutations in the 5′ noncoding region of viral RNAs. Virology, 1991, 182, 742-752.	2.4	30
61	Processing Determinants and Functions of Cleavage Products of Picornavirus Polyproteins. , 0, , 185-197.		30
62	Expression of the poliovirus genome from infectious cDNA is dependent upon arrangements of eukaryotic and prokaryotic sequences in recombinant plasmids. Virology, 1987, 157, 560-564.	2.4	28
63	Viral Determinants of miR-122-Independent Hepatitis C Virus Replication. MSphere, 2016, 1, .	2.9	28
64	Genotoxic stress and viral infection induce transient expression of APOBEC3A and pro-inflammatory genes through two distinct pathways. Nature Communications, 2021, 12, 4917.	12.8	28
65	Modification of picornavirus genomic RNA using †click' chemistry shows that unlinking of the VPg peptide is dispensable for translation and replication of the incoming viral RNA. Nucleic Acids Research, 2014, 42, 2473-2482.	14.5	27
66	Functional Consequences of RNA 5′-Terminal Deletions on Coxsackievirus B3 RNA Replication and Ribonucleoprotein Complex Formation. Journal of Virology, 2017, 91, .	3.4	27
67	Subdomain Specific Functions of the RNA Polymerase Region of Poliovirus 3CD Polypeptide. Virology, 2002, 298, 200-213.	2.4	25
68	A 21st Century Perspective of Poliovirus Replication. PLoS Pathogens, 2015, 11, e1004825.	4.7	25
69	Allosteric Effects of Ligands and Mutations on Poliovirus RNA-Dependent RNA Polymerase. Journal of Virology, 2005, 79, 7803-7811.	3.4	24
70	Mechanistic Intersections Between Picornavirus Translation and RNA Replication. Advances in Virus Research, 2011, 80, 1-24.	2.1	24
71	Structurally Distinct Elements Mediate Internal Ribosome Entry within the 5′-Noncoding Region of a Voltage-gated Potassium Channel mRNA. Journal of Biological Chemistry, 2004, 279, 47419-47430.	3.4	23
72	A novel Bcr-Abl–mTOR–elF4A axis regulates IRES-mediated translation of LEF-1. Open Biology, 2014, 4, 140180.	3.6	21

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73	Self-cleaving proteases. Current Opinion in Cell Biology, 1991, 3, 1039-1045.	5.4	20
74	Diverse Strategies Used by Picornaviruses to Escape Host RNA Decay Pathways. Viruses, 2016, 8, 335.	3.3	18
75	Structure of the PCBP2/stem–loop IV complex underlying translation initiation mediated by the poliovirus type I IRES. Nucleic Acids Research, 2020, 48, 8006-8021.	14.5	18
76	A genetic locus in mutant poliovirus genomes involved in overproduction of RNA polymerase and 3C proteinase. Virology, 1990, 174, 504-514.	2.4	17
77	Strand-Specific RNA Synthesis Determinants in the RNA-Dependent RNA Polymerase of Poliovirus. Journal of Virology, 2004, 78, 4397-4407.	3.4	17
78	Poliovirus infection induces the co-localization of cellular protein SRp20 with TIA-1, a cytoplasmic stress granule protein. Virus Research, 2013, 176, 223-231.	2.2	17
79	Picornavirus Genome: an Overview. , 0, , 125-148.		17
80	Structure and Function of Picornavirus Proteinases. , 0, , 199-212.		17
81	The nucleotide sequence of the 5′ terminus of vesicular stomatitis virus RNA. Nucleic Acids Research, 1979, 6, 3923-3934.	14.5	16
82	Direct and Indirect Effects on Viral Translation and RNA Replication Are Required for AUF1 Restriction of Enterovirus Infections in Human Cells. MBio, 2018, 9, .	4.1	16
83	Exploitation of nuclear functions by human rhinovirus, a cytoplasmic RNA virus. PLoS Pathogens, 2018, 14, e1007277.	4.7	16
84	Picornavirus Proteinase-Mediated Shutoff of Host Cell Translation: Direct Cleavage of a Cellular Initiation Factor. , 0, , 299-311.		14
85	Differential restriction patterns of mRNA decay factor AUF1 during picornavirus infections. Journal of General Virology, 2014, 95, 1488-1492.	2.9	13
86	Divergent Requirement for a DNA Repair Enzyme during Enterovirus Infections. MBio, 2016, 7, e01931-15.	4.1	13
87	Initiation of Translation of Picornavirus RNAs: Structure and Function of the Internal Ribosome Entry Site. , 0, , 157-169.		13
88	Molecular and Biological Basis of Picornavirus Taxonomy. , 0, , 15-24.		13
89	Role of Cellular Structures in Viral RNA Replication. , 0, , 247-253.		13
90	Functional conservation of the hydrophobic domain of polypeptide 3AB between human rhinovirus and poliovirus. Virology, 2003, 314, 432-442.	2.4	12

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91	Differential Rescue of Poliovirus RNA Replication Functions by Genetically Modified RNA Polymerase Precursors. Journal of Virology, 2004, 78, 13007-13018.	3.4	12
92	Translation and Host Cell Shutoff. , 0, , 113-133.		12
93	Engineered Picornavirus VPg-RNA Substrates: Analysis of a Tyrosyl-RNA Phosphodiesterase Activity. PLoS ONE, 2011, 6, e16559.	2.5	11
94	Differential cleavage of IRES trans-acting factors (ITAFs) in cells infected by human rhinovirus. Virology, 2014, 449, 35-44.	2.4	9
95	Picornavirus Genetics: an Overview. , 0, , 269-284.		9
96	Poliovirus proves IRES-istible in vivo. Journal of Clinical Investigation, 2004, 113, 1678-1681.	8.2	9
97	Picornaviruses and RNA Metabolism: Local and Global Effects of Infection. Journal of Virology, 2019, 93, .	3.4	8
98	Effects of TDP2/VPg Unlinkase Activity on Picornavirus Infections Downstream of Virus Translation. Viruses, 2020, 12, 166.	3.3	7
99	Pyrimidine-Rich Region Mutations Compensate for a Stem-Loop V Lesion in the 5′ Noncoding Region of Poliovirus Genomic RNA. Virology, 1999, 264, 385-397.	2.4	6
100	Proteins Involved in the Function of Picornavirus Internal Ribosomal Entry Sites. , 0, , 171-183.		6
101	Effects of Viral Replication on Cellular Membrane Metabolism and Function. , 0, , 337-354.		6
102	Poliovirus RNA Replication and Genetic Complementation in Cell-Free Reactions. , 2014, , 461-469.		5
103	Picornavirus Cellular Remodeling: Doubling Down in Response to Viral-Induced Inflammation. Current Clinical Microbiology Reports, 2020, 7, 31-37.	3.4	5
104	Poliovirus-Mediated Shutoff of Host Translation: an Indirect Effect. , 0, , 313-320.		5
105	Resistance is futile. Nature Genetics, 2005, 37, 665-666.	21.4	4
106	Generation of Recombinant Polioviruses Harboring RNA Affinity Tags in the 5′ and 3′ Noncoding Regions of Genomic RNAs. Viruses, 2016, 8, 39.	3.3	4
107	Revelations from a bicistronic calcium channel gene. Cell Cycle, 2014, 13, 875-876.	2.6	3
108	VPg unlinkase/TDP2 in cardiovirus infected cells: Re-localization and proteolytic cleavage. Virology, 2018, 516, 139-146.	2.4	3

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109	Alternative polyadenylation signals in the 3′ non-coding region of a voltage-gated potassium channel gene are major determinants of mRNA isoform expression. Gene, 2008, 408, 133-145.	2.2	2
110	History of Poliomyelitis and Poliomyelitis Research. , 2014, , 1-14.		2
111	Construction of a subgenomic CV-B3 replicon expressing emerald green fluorescent protein to assess viral replication of a cardiotropic enterovirus strain in cultured human cells. Journal of Virological Methods, 2016, 230, 1-8.	2.1	2
112	3CD Cleavage of the Poliovirus P1 Precursor: A Model for Complex Proteinase/Substrate Interactions. , 1993, , 225-244.		2
113	Immunology of the Coxsackieviruses. , 0, , 391-403.		2
114	The Development of New Poliovirus Vaccines Based on Molecular Cloning. , 1988, , 43-54.		2
115	Hijacking Host Functions for Translation and RNA Replication by Enteroviruses. , 2018, , .		2
116	Organization of the poliovirus genome and the sites for proteolytic processing. Biochemical Society Transactions, 1984, 12, 711-711.	3.4	0
117	Methods to study RNA virus molecular biology. Methods, 2013, 59, 165-166.	3.8	0
118	In Memoriam John J. Holland (1929-2013): a Pioneer in Molecular Virology. Journal of Virology, 2014, 88, 5903-5905.	3.4	0
119	Genome Replication I: the Players. , 0, , 105-125.		0
120	Genome Replication II: the Process. , 0, , 127-140.		0