Jeremy A Bruenn

List of Publications by Year
in descending order

57 papers	2,631 citations	218677 26 h-index	189892 50 g-index
57 all docs	57 docs citations	57 times ranked	2568 citing authors

#	ARTICLE	IF	CITATIONS
1	A structural and primary sequence comparison of the viral RNA-dependent RNA polymerases. Nucleic Acids Research, 2003, 31, 1821-1829.	14.5	254
2	Relationships among the positive strand and double-strand RNA viruses as viewed through their RNA-dependent RNA polymerases. Nucleic Acids Research, 1991, 19, 217-226.	14.5	219
3	A closely related group of RNA-dependent RNA polymerases from double-stranded RNA viruses. Nucleic Acids Research, 1993, 21, 5667-5669.	14.5	212
4	Filoviruses are ancient and integrated into mammalian genomes. BMC Evolutionary Biology, 2010, 10, 193.	3.2	158
5	DNA fingerprints of a gorgonian coral: a method for detecting clonal structure in a vegetative species. Marine Biology, 1992, 114, 317-325.	1.5	145
6	Kinetics of Ribosomal Pausing during Programmed âˆ’1 Translational Frameshifting. Molecular and Cellular Biology, 2000, 20, 1095-1103.	2.3	106
7	Salivary Histatin 5 and Human Neutrophil Defensin 1 Kill <i>Candida albicans</i> via Shared Pathways. Antimicrobial Agents and Chemotherapy, 2000, 44, 3310-3316.	3.2	99
8	The evolution of novel fungal genes from non-retroviral RNA viruses. BMC Biology, 2009, 7, 88.	3.8	92
9	Yeast viral RNA polymerase is a transcriptase. Nucleic Acids Research, 1980, 8, 2985-2998.	14.5	88
10	Discovery and Evolution of Bunyavirids in Arctic Phantom Midges and Ancient Bunyavirid-Like Sequences in Insect Genomes. Journal of Virology, 2014, 88, 8783-8794.	3.4	80
11	Yeast viral double-stranded RNAs have heterogeneous 3â€² termini. Cell, 1980, 19, 923-933.	28.9	77
12	Widespread mitovirus sequences in plant genomes. PeerJ, 2015, 3, e876.	2.0	71
13	Structure and heterologous expression of the Ustilago maydis viral toxin KP4. Molecular Microbiology, 1994, 11, 155-164.	2.5	59
14	KP4 fungal toxin inhibits growth in Ustilago maydis by blocking calcium uptake. Molecular Microbiology, 2002, 41, 775-785.	2.5	57
15	Rational proteomics I. Fingerprint identification and cofactor specificity in the short-chain oxidoreductase (SCOR) enzyme family. Proteins: Structure, Function and Bioinformatics, 2003, 53, 931-943.	2.6	53
16	Evolutionary maintenance of filovirus-like genes in bat genomes. BMC Evolutionary Biology, 2011, 11, 336.	3.2	50
17	A Second Double-Stranded RNA Virus from Yeast. Virology, 1996, 216, 451-454.	2.4	49
18	There are at least two yeast viral double-stranded RNAs of the same size: An explanation for viral exclusion. Cell, 1982, 31, 193-200.	28.9	47

#	Article	IF	Citations
19	Functions of Conserved Motifs in the RNA-Dependent RNA Polymerase of a Yeast Double-Stranded RNA Virus. Journal of Virology, 1998, 72, 4427-4429.	3.4	45
20	Sequences at the 3â€² ends of yeast viral dsRNAs: proposed transcriptase and replicase initiation sites. Nucleic Acids Research, 1981, 9, 4007-4021.	14.5	40
21	An expression vector for the phytopathogenic fungus, Ustilago maydis. Gene, 1991, 98, 129-134.	2.2	40
22	TwoUstilago maydisviral dsRNAs of differentsizecode for the same product. Nucleic Acids Research, 1983, 11, 2765-2778.	14.5	39
23	The Ustilago maydis virally encoded KP1 killer toxin. Molecular Microbiology, 1996, 20, 957-963.	2.5	39
24	High-level secretion of a virally encoded anti-fungal toxin in transgenic tobacco plants. Plant Molecular Biology, 1996, 30, 359-366.	3.9	34
25	The H1 double-stranded RNA genome of Ustilago maydis virus-H1 encodes a polyprotein that contains structural motifs for capsid polypeptide, papain-like protease, and RNA-dependent RNA polymerase. Virus Research, 2001, 76, 183-189.	2.2	32
26	Phylogeny, integration and expression of sigma virus-like genes in Drosophila. Molecular Phylogenetics and Evolution, 2012, 65, 251-258.	2.7	32
27	Structure of Ustilago maydis Killer Toxin KP6 Î±-Subunit. Journal of Biological Chemistry, 1999, 274, 20425-20431.	3.4	29
28	A novel RNA binding protein affects rbcL gene expression and is specific to bundle sheath chloroplasts in C4plants. BMC Plant Biology, 2013, 13, 138.	3.6	27
29	Virus-host co-evolution under a modified nuclear genetic code. PeerJ, 2013, 1, e50.	2.0	27
30	Evidence that ebolaviruses and cuevaviruses have been diverging from marburgviruses since the Miocene. PeerJ, 2014, 2, e556.	2.0	26
31	Selectively maintained paleoviruses in Holarctic water fleas reveal an ancient origin for phleboviruses. Virology, 2013, 446, 276-282.	2.4	25
32	Yeast dsRNA viral transcriptase pause products: identification of the transcript strand. Nucleic Acids Research, 1981, 9, 5049-5060.	14.5	24
33	RNA Structural Requirements for RNA Binding, Replication, and Packaging in the Yeast Double-Stranded RNA Virus. Virology, 1993, 195, 481-491.	2.4	24
34	Cloning of cDNA to a yeast viral double-stranded RNA and comparison of three viral RNAs. Gene, 1982, 19, 225-230.	2.2	22
35	The molecular biology of yeast killer factor. International Journal of Biochemistry & Cell Biology, 1976, 7, 173-179.	0.5	19
36	A family of Ustilago maydis expression vectors: new selectable markers and promoters. Gene, 1993, 127, 151-152.	2.2	18

#	Article	IF	Citations
37	A very small viral double-stranded RNA. Virus Genes, 1989, 2, 195-206.	1.6	17
38	Immunity and resistance to the KP6 toxin of Ustilago maydis. Molecular Genetics and Genomics, 1992, 233, 395-403.	2.4	17
39	Liposomes as formulation excipients for protein pharmaceuticals: a model protein study. Pharmaceutical Research, 2000, 17, 344-350.	3.5	17
40	Isolation of Rat Dihydrofolate Reductase Gene and Characterization of Recombinant Enzyme. Antimicrobial Agents and Chemotherapy, 2001, 45, 2517-2523.	3.2	17
41	The capsid polypeptides of the yeast viruses. Biochemical and Biophysical Research Communications, 1984, 121, 619-625.	2.1	15
42	Interference with Replication of Two Double-Stranded RNA Viruses by Production of N-Terminal Fragments of Capsid Polypeptides. Virology, 1995, 214, 215-221.	2.4	15
43	New species of tyrosine tRNA in nonsense suppressor strains of yeast. Nucleic Acids and Protein Synthesis, 1972, 287, 68-76.	1.7	14
44	Construction of full-length cDNA copies of viral double-stranded RNA. Virus Genes, 1988, 1, 243-253.	1.6	14
45	Long internal inverted repeat in a yeast viral double-stranded RNA. Nucleic Acids Research, 1985, 13, 1575-1591.	14.5	10
46	Mutants of Ustilago maydis defective in production of one of two polypeptides of KP6 toxin from the preprotoxin. Molecular Genetics and Genomics, 1993, 238-238, 234-240.	2.4	8
47	The Double-Stranded RNA Viruses of Ustilago Maydis and Their Killer Toxins. , 2001, , 109-124.		6
48	The Ustilago maydis killer toxins. Topics in Current Genetics, 0, , 157-174.	0.7	5
49	Viruses of Fungi and Protozoans: Is Everyone Sick?. , 2000, , 297-317.		5
50	Genetic mapping of a new promoter for the lac operon. Journal of Molecular Biology, 1975, 93, 311-317.	4.2	3
51	Cellular production of a counterfeit viral protein confers immunity to infection by a related virus. PeerJ, 2018, 6, e5679.	2.0	3
52	TOTIVIRUSES(TOTIVIRIDAE) | Ustilago Maydis Viruses. , 1999, , 1812-1817.		2
53	Genes from Double-Stranded RNA Viruses in the Nuclear Genomes of Fungi. , 2012, , 71-83.		2
54	Characterization of a recessive-lethal amber suppressor strain of Salmonella typhimurium by in vitro synthesis of T4 lysozyme. Nucleic Acids and Protein Synthesis, 1972, 269, 162-169.	1.7	1

#	Article	IF	Citations
55	Synthesis of two lac repressor polypeptides in a mutant of Escherichia coli that has a new promoter for the lac operon mapping within the i gene. Journal of Molecular Biology, 1977, 110, 255-267.	4.2	1
56	Novel Methods of Introducing Pest and Disease Resistance to Crop Plants. , 2000, 22, 11-22.		1
57	Processing and Secretion of a Virally Encoded Antifungal Toxin in Transgenic Tobacco Plants: Evidence for a Kex2p Pathway in Plants. Plant Cell, 1995, 7, 677.	6.6	0