

Paula Traktman

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60 papers	3,301 citations	33 h-index	57 g-index
65 ext. papers	3,623 ext. citations	6.6 avg, IF	5.11 L-index

#	Paper	IF	Citations
60	Isolation and properties of Moloney murine leukemia virus mutants: use of a rapid assay for release of virion reverse transcriptase. <i>Journal of Virology</i> , 1981 , 38, 239-48	6.6	398
59	In a nutshell: structure and assembly of the vaccinia virion. <i>Advances in Virus Research</i> , 2006 , 66, 31-124	10.7	256
58	The dominant W42 spotting phenotype results from a missense mutation in the c-kit receptor kinase. <i>Science</i> , 1990 , 247, 209-12	33.3	256
57	The vaccinia-related kinases phosphorylate the N-terminus of BAF, regulating its interaction with DNA and its retention in the nucleus. <i>Molecular Biology of the Cell</i> , 2006 , 17, 2451-64	3.5	169
56	Vaccinia virus blocks gamma interferon signal transduction: viral VH1 phosphatase reverses Stat1 activation. <i>Journal of Virology</i> , 2001 , 75, 3185-96	6.6	140
55	Characterization of three paralogous members of the Mammalian vaccinia related kinase family. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7934-46	5.4	106
54	Vaccinia virus B1 kinase: phenotypic analysis of temperature-sensitive mutants and enzymatic characterization of recombinant proteins. <i>Journal of Virology</i> , 1992 , 66, 4413-26	6.6	98
53	The dual-specificity phosphatase encoded by vaccinia virus, VH1, is essential for viral transcription in vivo and in vitro. <i>Journal of Virology</i> , 1995 , 69, 7823-34	6.6	93
52	Pescadillo is essential for nucleolar assembly, ribosome biogenesis, and mammalian cell proliferation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 45347-55	5.4	90
51	Elucidating the essential role of the A14 phosphoprotein in vaccinia virus morphogenesis: construction and characterization of a tetracycline-inducible recombinant. <i>Journal of Virology</i> , 2000 , 74, 3682-95	6.6	89
50	A Drug Screen using Human iPSC-Derived Hepatocyte-like Cells Reveals Cardiac Glycosides as a Potential Treatment for Hypercholesterolemia. <i>Cell Stem Cell</i> , 2017 , 20, 478-489.e5	18	75
49	Poxviral B1 kinase overcomes barrier to autointegration factor, a host defense against virus replication. <i>Cell Host and Microbe</i> , 2007 , 1, 187-97	23.4	75
48	Transcriptional mapping of the DNA polymerase gene of vaccinia virus. <i>Journal of Virology</i> , 1984 , 49, 125-31	6.6	75
47	De novo fatty acid biosynthesis contributes significantly to establishment of a bioenergetically favorable environment for vaccinia virus infection. <i>PLoS Pathogens</i> , 2014 , 10, e1004021	7.6	73
46	Temperature-sensitive mutants with lesions in the vaccinia virus F10 kinase undergo arrest at the earliest stage of virion morphogenesis. <i>Journal of Virology</i> , 1995 , 69, 6581-7	6.6	73
45	Temperature-sensitive vaccinia virus mutants identify a gene with an essential role in viral replication. <i>Journal of Virology</i> , 1990 , 64, 574-83	6.6	72
44	Vaccinia virus uracil DNA glycosylase interacts with the A20 protein to form a heterodimeric processivity factor for the viral DNA polymerase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 3439-51	5.4	70

43	Characterization of the single-stranded DNA binding protein encoded by the vaccinia virus I3 gene. <i>Journal of Virology</i> , 1998 , 72, 2917-26	6.6	69
42	Cytotoxic T lymphocyte responses to proteins encoded by heterologous transgenes transferred in vivo by adenoviral vectors. <i>Human Gene Therapy</i> , 1997 , 8, 1207-17	4.8	68
41	Clustered charge-to-alanine mutagenesis of the vaccinia virus H5 gene: isolation of a dominant, temperature-sensitive mutant with a profound defect in morphogenesis. <i>Journal of Virology</i> , 2000 , 74, 2393-405	6.6	56
40	Investigation of structural and functional motifs within the vaccinia virus A14 phosphoprotein, an essential component of the virion membrane. <i>Journal of Virology</i> , 2003 , 77, 8857-71	6.6	54
39	Depletion of the protein kinase VRK1 disrupts nuclear envelope morphology and leads to BAF retention on mitotic chromosomes. <i>Molecular Biology of the Cell</i> , 2014 , 25, 891-903	3.5	52
38	The A20R protein is a stoichiometric component of the processive form of vaccinia virus DNA polymerase. <i>Journal of Virology</i> , 2001 , 75, 12298-307	6.6	47
37	Cell biological and functional characterization of the vaccinia virus F10 kinase: implications for the mechanism of virion morphogenesis. <i>Journal of Virology</i> , 2005 , 79, 2171-90	6.6	44
36	The vaccinia virus gene I2L encodes a membrane protein with an essential role in virion entry. <i>Journal of Virology</i> , 2008 , 82, 10247-61	6.6	42
35	Vaccinia virus morphogenesis: a13 phosphoprotein is required for assembly of mature virions. <i>Journal of Virology</i> , 2004 , 78, 8885-901	6.6	39
34	Characterization of vaccinia virus DNA replication mutants with lesions in the D5 gene. <i>Chromosoma</i> , 1992 , 102, S72-82	2.8	39
33	Biochemical and genetic analysis of the vaccinia virus d5 protein: Multimerization-dependent ATPase activity is required to support viral DNA replication. <i>Journal of Virology</i> , 2007 , 81, 844-59	6.6	38
32	Mice deficient in the serine/threonine protein kinase VRK1 are infertile due to a progressive loss of spermatogonia. <i>Biology of Reproduction</i> , 2010 , 82, 182-93	3.9	37
31	Genetic analysis of the vaccinia virus I6 telomere-binding protein uncovers a key role in genome encapsidation. <i>Journal of Virology</i> , 2003 , 77, 10929-42	6.6	35
30	Clustered charge-to-alanine mutagenesis of the vaccinia virus A20 gene: temperature-sensitive mutants have a DNA-minus phenotype and are defective in the production of processive DNA polymerase activity. <i>Journal of Virology</i> , 2001 , 75, 12308-18	6.6	35
29	Evaluation of the role of the vaccinia virus uracil DNA glycosylase and A20 proteins as intrinsic components of the DNA polymerase holoenzyme. <i>Journal of Biological Chemistry</i> , 2011 , 286, 24702-13	5.4	34
28	Genetic and cell biological characterization of the vaccinia virus A30 and G7 phosphoproteins. <i>Journal of Virology</i> , 2005 , 79, 7146-61	6.6	33
27	Characterization of a processive form of the vaccinia virus DNA polymerase. <i>Virology</i> , 1997 , 234, 168-75	3.6	32
26	The vaccinia virus A4OR gene product is a nonstructural, type II membrane glycoprotein that is expressed at the cell surface. <i>Journal of General Virology</i> , 1999 , 80 (Pt 8), 2137-2148	4.9	32

25	Vaccinia virus telomeres: interaction with the viral I1, I6, and K4 proteins. <i>Journal of Virology</i> , 2001 , 75, 10090-105	6.6	31
24	Members of a novel family of mammalian protein kinases complement the DNA-negative phenotype of a vaccinia virus ts mutant defective in the B1 kinase. <i>Journal of Virology</i> , 2004 , 78, 1992-2005	6.6	29
23	Identification and characterization of the orf virus type I topoisomerase. <i>Virology</i> , 1995 , 206, 203-15	3.6	26
22	Biogenesis of the vaccinia virus membrane: genetic and ultrastructural analysis of the contributions of the A14 and A17 proteins. <i>Journal of Virology</i> , 2013 , 87, 1083-97	6.6	23
21	The vaccinia virus DNA polymerase and its processivity factor. <i>Virus Research</i> , 2017 , 234, 193-206	6.4	22
20	A vaccinia virus-driven interplay between the MKK4/7-JNK1/2 pathway and cytoskeleton reorganization. <i>Journal of Virology</i> , 2012 , 86, 172-84	6.6	21
19	Methods for analysis of poxvirus DNA replication. <i>Methods in Molecular Biology</i> , 2004 , 269, 169-86	1.4	20
18	Molecular genetic and biochemical characterization of the vaccinia virus I3 protein, the replicative single-stranded DNA binding protein. <i>Journal of Virology</i> , 2012 , 86, 6197-209	6.6	17
17	Genetic Confirmation that the H5 Protein Is Required for Vaccinia Virus DNA Replication. <i>Journal of Virology</i> , 2015 , 89, 6312-27	6.6	14
16	Structure/Function analysis of the vaccinia virus F18 phosphoprotein, an abundant core component required for virion maturation and infectivity. <i>Journal of Virology</i> , 2010 , 84, 6846-60	6.6	14
15	Overexpression of the VRK1 kinase, which is associated with breast cancer, induces a mesenchymal to epithelial transition in mammary epithelial cells. <i>PLoS ONE</i> , 2018 , 13, e0203397	3.7	11
14	Barrier-to-Autointegration Factor 1 (BAF/BANF1) Promotes Association of the SETD1A Histone Methyltransferase with Herpes Simplex Virus Immediate-Early Gene Promoters. <i>MBio</i> , 2015 , 6, e00345-15	7.8	10
13	Proteomic Screen for Cellular Targets of the Vaccinia Virus F10 Protein Kinase Reveals that Phosphorylation of mDia Regulates Stress Fiber Formation. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, S124-S143	7.6	7
12	Poxviruses 2009 , 225-247		5
11	Functional characterization of the vaccinia virus I5 protein. <i>Virology Journal</i> , 2008 , 5, 148	6.1	3
10	Isolation and Characterization of vB Confirm that Vaccinia Virus SSB Plays an Essential Role in Viral Replication. <i>Journal of Virology</i> , 2018 , 92,	6.6	3
9	Characterization of murine antibody responses to vaccinia virus envelope protein A14 reveals an immunodominant antigen lacking of effective neutralization targets. <i>Virology</i> , 2018 , 518, 284-292	3.6	1
8	The Host Factor Early Growth Response Gene (EGR-1) Regulates Vaccinia virus Infectivity during Infection of Starved Mouse Cells. <i>Viruses</i> , 2018 , 10,	6.2	1

7	Assessing the Structure and Function of Vaccinia Virus Gene Products by Transient Complementation. <i>Methods in Molecular Biology</i> , 2019 , 2023, 131-141	1.4	1
6	Structure-function analysis of two interacting vaccinia proteins that are critical for viral morphogenesis: L2 and A30.5. <i>Journal of Virology</i> , 2021 , JVI0157721	6.6	1
5	UV Irradiation of Vaccinia Virus-Infected Cells Impairs Cellular Functions, Introduces Lesions into the Viral Genome, and Uncovers Repair Capabilities for the Viral Replication Machinery.. <i>Journal of Virology</i> , 2022 , e0213721	6.6	0
4	Rapid Processing of Cultured Cells for LR White Embedding. <i>Microscopy and Microanalysis</i> , 2002 , 8, 734-735	0.5	
3	CHARACTERIZATION AND GENETIC ANALYSIS OF RETROVIRUS MATURATION: A ROLE FOR Pr180 gag-pol 1980 , 657-662		
2	CHARACTERIZATION AND GENETIC ANALYSIS OF RETROVIRUS MATURATION: A ROLE FOR Pr180gag-pol1 1980 , 301-307		
1	Creating an amateur press corps of graduate students and postdoctoral fellows to cover breaking science and improve lay-writing skills. <i>Journal of Clinical and Translational Science</i> , 2021 , 5, e150	0.4	