Paula Traktman

List of Publications by Year in Descending Order

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	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.. *Journal of Virology*, **2022**, e0213721	6.6	0
59	Structure-function analysis of two interacting vaccinia proteins that are critical for viral morphogenesis: L2 and A30.5. *Journal of Virology*, **2021**, JVI0157721	6.6	1
58	Creating an amateur press corps of graduate students and postdoctoral fellows to cover breaking science and improve lay-writing skills. *Journal of Clinical and Translational Science*, **2021**, 5, e150	0.4	
57	Assessing the Structure and Function of Vaccinia Virus Gene Products by Transient Complementation. *Methods in Molecular Biology*, **2019**, 2023, 131-141	1.4	1
56	Characterization of murine antibody responses to vaccinia virus envelope protein A14 reveals an immunodominant antigen lacking of effective neutralization targets. *Virology*, **2018**, 518, 284-292	3.6	1
55	The Host Factor Early Growth Response Gene (EGR-1) Regulates Vaccinia virus Infectivity during Infection of Starved Mouse Cells. *Viruses*, **2018**, 10,	6.2	1
54	Isolation and Characterization of vIB Confirm that Vaccinia Virus SSB Plays an Essential Role in Viral Replication. *Journal of Virology*, **2018**, 92,	6.6	3
53	Overexpression of the VRK1 kinase, which is associated with breast cancer, induces a mesenchymal to epithelial transition in mammary epithelial cells. *PLoS ONE*, **2018**, 13, e0203397	3.7	11
52	The vaccinia virus DNA polymerase and its processivity factor. *Virus Research*, **2017**, 234, 193-206	6.4	22
51	Proteomic Screen for Cellular Targets of the Vaccinia Virus F10 Protein Kinase Reveals that Phosphorylation of mDia Regulates Stress Fiber Formation. *Molecular and Cellular Proteomics*, **2017**, 16, S124-S143	7.6	7
50	A Drug Screen using Human iPSC-Derived Hepatocyte-like Cells Reveals Cardiac Glycosides as a Potential Treatment for Hypercholesterolemia. *Cell Stem Cell*, **2017**, 20, 478-489.e5	18	75
49	Genetic Confirmation that the H5 Protein Is Required for Vaccinia Virus DNA Replication. *Journal of Virology*, **2015**, 89, 6312-27	6.6	14
48	Barrier-to-Autointegration Factor 1 (BAF/BANF1) Promotes Association of the SETD1A Histone Methyltransferase with Herpes Simplex Virus Immediate-Early Gene Promoters. *MBio*, **2015**, 6, e00345-15	7.8	10
47	Depletion of the protein kinase VRK1 disrupts nuclear envelope morphology and leads to BAF retention on mitotic chromosomes. *Molecular Biology of the Cell*, **2014**, 25, 891-903	3.5	52
46	De novo fatty acid biosynthesis contributes significantly to establishment of a bioenergetically favorable environment for vaccinia virus infection. *PLoS Pathogens*, **2014**, 10, e1004021	7.6	73
45	Biogenesis of the vaccinia virus membrane: genetic and ultrastructural analysis of the contributions of the A14 and A17 proteins. *Journal of Virology*, **2013**, 87, 1083-97	6.6	23
44	Molecular genetic and biochemical characterization of the vaccinia virus I3 protein, the replicative single-stranded DNA binding protein. *Journal of Virology*, **2012**, 86, 6197-209	6.6	17

43	A vaccinia virus-driven interplay between the MKK4/7-JNK1/2 pathway and cytoskeleton reorganization. *Journal of Virology*, **2012**, 86, 172-84	6.6	21
42	Evaluation of the role of the vaccinia virus uracil DNA glycosylase and A20 proteins as intrinsic components of the DNA polymerase holoenzyme. *Journal of Biological Chemistry*, **2011**, 286, 24702-13	5.4	34
41	Structure/Function analysis of the vaccinia virus F18 phosphoprotein, an abundant core component required for virion maturation and infectivity. *Journal of Virology*, **2010**, 84, 6846-60	6.6	14
40	Mice deficient in the serine/threonine protein kinase VRK1 are infertile due to a progressive loss of spermatogonia. *Biology of Reproduction*, **2010**, 82, 182-93	3.9	37
39	Poxviruses **2009**, 225-247		5
38	Functional characterization of the vaccinia virus I5 protein. *Virology Journal*, **2008**, 5, 148	6.1	3
37	The vaccinia virus gene I2L encodes a membrane protein with an essential role in virion entry. *Journal of Virology*, **2008**, 82, 10247-61	6.6	42
36	Biochemical and genetic analysis of the vaccinia virus d5 protein: Multimerization-dependent ATPase activity is required to support viral DNA replication. *Journal of Virology*, **2007**, 81, 844-59	6.6	38
35	Poxviral B1 kinase overcomes barrier to autointegration factor, a host defense against virus replication. *Cell Host and Microbe*, **2007**, 1, 187-97	23.4	75
34	The vaccinia-related kinases phosphorylate the NUterminus of BAF, regulating its interaction with DNA and its retention in the nucleus. *Molecular Biology of the Cell*, **2006**, 17, 2451-64	3.5	169
33	Vaccinia virus uracil DNA glycosylase interacts with the A20 protein to form a heterodimeric processivity factor for the viral DNA polymerase. *Journal of Biological Chemistry*, **2006**, 281, 3439-51	5.4	70
32	In a nutshell: structure and assembly of the vaccinia virion. *Advances in Virus Research*, **2006**, 66, 31-124	10.7	256
31	Genetic and cell biological characterization of the vaccinia virus A30 and G7 phosphoproteins. *Journal of Virology*, **2005**, 79, 7146-61	6.6	33
30	Cell biological and functional characterization of the vaccinia virus F10 kinase: implications for the mechanism of virion morphogenesis. *Journal of Virology*, **2005**, 79, 2171-90	6.6	44
29	Vaccinia virus morphogenesis: a13 phosphoprotein is required for assembly of mature virions. *Journal of Virology*, **2004**, 78, 8885-901	6.6	39
28	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. *Journal of Virology*, **2004**, 78, 1992-2005	6.6	29
27	Methods for analysis of poxvirus DNA replication. *Methods in Molecular Biology*, **2004**, 269, 169-86	1.4	20
26	Characterization of three paralogous members of the Mammalian vaccinia related kinase family. *Journal of Biological Chemistry*, **2004**, 279, 7934-46	5.4	106

25	Investigation of structural and functional motifs within the vaccinia virus A14 phosphoprotein, an essential component of the virion membrane. *Journal of Virology*, **2003**, 77, 8857-71	6.6	54
24	Genetic analysis of the vaccinia virus I6 telomere-binding protein uncovers a key role in genome encapsidation. *Journal of Virology*, **2003**, 77, 10929-42	6.6	35
23	Rapid Processing of Cultured Cells for LR White Embedding. *Microscopy and Microanalysis*, **2002**, 8, 734-735	3.9	
22	Pescadillo is essential for nucleolar assembly, ribosome biogenesis, and mammalian cell proliferation. *Journal of Biological Chemistry*, **2002**, 277, 45347-55	5.4	90
21	Vaccinia virus telomeres: interaction with the viral I1, I6, and K4 proteins. *Journal of Virology*, **2001**, 75, 10090-105	6.6	31
20	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. *Journal of Virology*, **2001**, 75, 12308-18	6.6	35
19	Vaccinia virus blocks gamma interferon signal transduction: viral VH1 phosphatase reverses Stat1 activation. *Journal of Virology*, **2001**, 75, 3185-96	6.6	140
18	The A20R protein is a stoichiometric component of the processive form of vaccinia virus DNA polymerase. *Journal of Virology*, **2001**, 75, 12298-307	6.6	47
17	Elucidating the essential role of the A14 phosphoprotein in vaccinia virus morphogenesis: construction and characterization of a tetracycline-inducible recombinant. *Journal of Virology*, **2000**, 74, 3682-95	6.6	89
16	Clustered charge-to-alanine mutagenesis of the vaccinia virus H5 gene: isolation of a dominant, temperature-sensitive mutant with a profound defect in morphogenesis. *Journal of Virology*, **2000**, 74, 2393-405	6.6	56
15	The vaccinia virus A4OR gene product is a nonstructural, type II membrane glycoprotein that is expressed at the cell surface. *Journal of General Virology*, **1999**, 80 (Pt 8), 2137-2148	4.9	32
14	Characterization of the single-stranded DNA binding protein encoded by the vaccinia virus I3 gene. *Journal of Virology*, **1998**, 72, 2917-26	6.6	69
13	Cytotoxic T lymphocyte responses to proteins encoded by heterologous transgenes transferred in vivo by adenoviral vectors. *Human Gene Therapy*, **1997**, 8, 1207-17	4.8	68
12	Characterization of a processive form of the vaccinia virus DNA polymerase. *Virology*, **1997**, 234, 168-75	3.6	32
11	Identification and characterization of the orf virus type I topoisomerase. *Virology*, **1995**, 206, 203-15	3.6	26
10	Temperature-sensitive mutants with lesions in the vaccinia virus F10 kinase undergo arrest at the earliest stage of virion morphogenesis. *Journal of Virology*, **1995**, 69, 6581-7	6.6	73
9	The dual-specificity phosphatase encoded by vaccinia virus, VH1, is essential for viral transcription in vivo and in vitro. *Journal of Virology*, **1995**, 69, 7823-34	6.6	93
8	Characterization of vaccinia virus DNA replication mutants with lesions in the D5 gene. *Chromosoma*, **1992**, 102, S72-82	2.8	39

7	Vaccinia virus B1 kinase: phenotypic analysis of temperature-sensitive mutants and enzymatic characterization of recombinant proteins. *Journal of Virology*, **1992**, 66, 4413-26	6.6	98
6	The dominant W42 spotting phenotype results from a missense mutation in the c-kit receptor kinase. *Science*, **1990**, 247, 209-12	33.3	256
5	Temperature-sensitive vaccinia virus mutants identify a gene with an essential role in viral replication. *Journal of Virology*, **1990**, 64, 574-83	6.6	72
4	Transcriptional mapping of the DNA polymerase gene of vaccinia virus. *Journal of Virology*, **1984**, 49, 125-31	6.6	75
3	Isolation and properties of Moloney murine leukemia virus mutants: use of a rapid assay for release of virion reverse transcriptase. *Journal of Virology*, **1981**, 38, 239-48	6.6	398
2	CHARACTERIZATION AND GENETIC ANALYSIS OF RETROVIRUS MATURATION: A ROLE FOR Pr180 gag-pol **1980**, 657-662		
1	CHARACTERIZATION AND GENETIC ANALYSIS OF RETROVIRUS MATURATION: A ROLE FOR Pr180gag-pol1 **1980**, 301-307		