James M Pipas

List of Publications by Year
in descending order

63	4,206	186265 28	114465 63
papers	citations	h-index	g-index

67	67	67	5068
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SV40-encoded microRNAs regulate viral gene expression and reduce susceptibility to cytotoxic T cells. Nature, 2005, 435, 682-686.	27.8	569
2	SV40 large T antigen targets multiple cellular pathways to elicit cellular transformation. Oncogene, 2005, 24, 7729-7745.	5.9	461
3	The retinoblastoma susceptibility gene product undergoes cell cycle-dependent dephosphorylation and binding to and release from SV40 large T. Cell, 1990, 60, 387-396.	28.9	402
4	Raw Sewage Harbors Diverse Viral Populations. MBio, 2011, 2, .	4.1	257
5	E2f1â€“3 switch from activators in progenitor cells to repressors in differentiating cells. Nature, 2009, 462, 930-934.	27.8	208
6	The Ancient Evolutionary History of Polyomaviruses. PLoS Pathogens, 2016, 12, e1005574.	4.7	190
7	Role of T antigen interactions with p53 in tumorigenesis. Seminars in Cancer Biology, 2001, 11, 23-30.	9.6	173
8	SV40: Cell transformation and tumorigenesis. Virology, 2009, 384, 294-303.	2.4	131
9	Large T Antigens of Polyomaviruses: Amazing Molecular Machines. Annual Review of Microbiology, 2012, 66, 213-236.	7.3	122
10	Mutants with changes within or near a hydrophobic region of simian virus 40 large tumor antigen are defective for binding cellular protein p53. Virology, 1989, 168, 13-21.	2.4	118
11	The Molecular Chaperone Activity of Simian Virus 40 Large T Antigen Is Required To Disrupt Rb-E2F Family Complexes by an ATP-Dependent Mechanism. Molecular and Cellular Biology, 2000, 20, 6233-6243.	2.3	112
12	Merkel Cell Polyomavirus Exhibits Dominant Control of the Tumor Genome and Transcriptome in Virus-Associated Merkel Cell Carcinoma. MBio, 2017, 8, .	4.1	100
13	Viral sequences in human cancer. Virology, 2018, 513, 208-216.	2.4	100
14	Complete Nucleotide Sequence of Polyomavirus SA12. Journal of Virology, 2005, 79, 13094-13104.	3.4	91
15	Pyrimidinone-peptoid hybrid molecules with distinct effects on molecular chaperone function and cell proliferation. Bioorganic and Medicinal Chemistry, 2008, 16, 3291-3301.	3.0	90
16	Simian virus 40 mutants with amino-acid substitutions near the amino terminus of large T antigen. Virus Genes, 1992, 6, 107-118.	1.6	60
17	Cell proliferation in the absence of E2F1-3. Developmental Biology, 2011, 351, 35-45.	2.0	57
18	Detecting viral sequences in NGS data. Current Opinion in Virology, 2019, 39, 41-48.	5.4	52

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19	ATP-Dependent Simian Virus 40 T-Antigenâ€“Hsc70 Complex Formation. Journal of Virology, 2001, 75, 1601-1610.	3.4	51
20	Evolution on the Biophysical Fitness Landscape of an RNA Virus. Molecular Biology and Evolution, 2018, 35, 2390-2400.	8.9	45
21	Inhibition of Simian Virus 40 replication by targeting the molecular chaperone function and ATPase activity of T antigen. Virus Research, 2009, 141, 71-80.	2.2	43
22	Human polyomavirus BKV infection of endothelial cells results in interferon pathway induction and persistence. PLoS Pathogens, 2019, 15, e1007505.	4.7	41
23	HeLa Nucleic Acid Contamination in The Cancer Genome Atlas Leads to the Misidentification of Human Papillomavirus 18. Journal of Virology, 2015, 89, 4051-4057.	3.4	35
24	Induction of interferon-stimulated genes by Simian virus 40 T antigens. Virology, 2010, 406, 202-211.	2.4	32
25	Flexibility in Surface-Exposed Loops in a Virus Capsid Mediates Escape from Antibody Neutralization. Journal of Virology, 2014, 88, 4543-4557.	3.4	32
26	A Retinoblastoma Allele That Is Mutated at Its Common E2F Interaction Site Inhibits Cell Proliferation in Gene-Targeted Mice. Molecular and Cellular Biology, 2014, 34, 2029-2045.	2.3	32
27	Isolation and Analysis of Rare Norovirus Recombinants from Coinfected Mice Using Drop-Based Microfluidics. Journal of Virology, 2015, 89, 7722-7734.	3.4	32
28	Simian Virus 40 Large T Antigen Induces IFN-Stimulated Genes through ATR Kinase. Journal of Immunology, 2014, 192, 5933-5942.	0.8	30
29	Simian Virus 40 Large T Antigen J Domain and Rb-Binding Motif Are Sufficient To Block Apoptosis Induced by Growth Factor Withdrawal in a Neural Stem Cell Line. Journal of Virology, 1999, 73, 6791-6799.	3.4	30
30	Mutagenesis of a functional chimeric gene in yeast identifies mutations in the simian virus 40 large T antigen J domain. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2002-2007.	7.1	29
31	Cell-type specific regulation of gene expression by simian virus 40 T antigens. Virology, 2009, 386, 183-191.	2.4	29
32	Inhibition of Rb and p53 Is Insufficient for SV40 T-Antigen Transformation. Virology, 2001, 283, 40-48.	2.4	28
33	Artifactâ€Free Quantification and Sequencing of Rare Recombinant Viruses by Using Dropâ€Based Microfluidics. ChemBioChem, 2015, 16, 2167-2171.	2.6	28
34	Recurrent integration of human papillomavirus genomes at transcriptional regulatory hubs. Npj Genomic Medicine, 2021, 6, 101.	3.8	28
35	Intestinal Dysplasia Induced by Simian Virus 40 T Antigen Is Independent of p53. Journal of Virology, 2005, 79, 7492-7502.	3.4	26
36	Identification of Head and Neck Cancer Subtypes Based on Human Papillomavirus Presence and E2F-Regulated Gene Expression. MSphere, 2018, 3, .	2.9	25

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37	Polyomavirus T antigens activate an antiviral state. Virology, 2015, 476, 377-385.	2.4	22
38	The pollen virome of wild plants and its association with variation in floral traits and land use. Nature Communications, 2022, 13, 523.	12.8	22
39	Effects of mutations within the SV40 large T antigen ATPase/p53 binding domain on viral replication and transformation. Virus Genes, 1998, 16, 153-165.	1.6	21
40	Intestinal Hyperplasia Induced by Simian Virus 40 Large Tumor Antigen Requires E2F2. Journal of Virology, 2007, 81, 13191-13199.	3.4	21
41	Selection of transfored cells in serum-free media. In Vitro Cellular & Developmental Biology, 1985, 21, 707-712.	1.0	20
42	Simian Virus 40 T-Antigen-Mediated Gene Regulation in Enterocytes Is Controlled Primarily by the Rb-E2F Pathway. Journal of Virology, 2009, 83, 9521-9531.	3.4	20
43	DNA Tumor Viruses and Their Contributions to Molecular Biology. Journal of Virology, 2019, 93, .	3.4	18
44	A screen for modulators of large T antigenâ€™s ATPase activity uncovers novel inhibitors of Simian Virus 40 and BK virus replication. Antiviral Research, 2012, 96, 70-81.	4.1	17
45	Wholeâ€Genome Sequencing of a Single Viral Species from a Highly Heterogeneous Sample. Angewandte Chemie - International Edition, 2015, 54, 13985-13988.	13.8	17
46	SummonChimera infers integrated viral genomes with nucleotide precision from NGS data. BMC Bioinformatics, 2014, 15, 348.	2.6	16
47	Two Independent Regions of Simian Virus 40 T Antigen Increase CBP/p300 Levels, Alter Patterns of Cellular Histone Acetylation, and Immortalize Primary Cells. Journal of Virology, 2013, 87, 13499-13509.	3.4	14
48	Enterocyte Proliferation and Intestinal Hyperplasia Induced by Simian Virus 40 T Antigen Require a Functional J Domain. Journal of Virology, 2007, 81, 9481-9489.	3.4	13
49	Single-Cell Transcriptomics Reveals a Heterogeneous Cellular Response to BK Virus Infection. Journal of Virology, 2021, 95, .	3.4	11
50	The conserved core enzymatic activities and the distinct dynamics of polyomavirus large T antigens. Archives of Biochemistry and Biophysics, 2015, 573, 23-31.	3.0	10
51	A Structure-Guided Mutational Analysis of Simian Virus 40 Large T Antigen: Identification of Surface Residues Required for Viral Replication and Transformation. Journal of Virology, 2009, 83, 8781-8788.	3.4	8
52	Analysis of viruses present in urine from patients with interstitial cystitis. Virus Genes, 2020, 56, 430-438.	1.6	8
53	Complete Genome Sequence of a Polyomavirus Recovered from a Pomona Leaf-Nosed Bat (Hipposideros) Tj ETQq1 1 0.784314 rgBT /O	0.8	7
54	Cellular Transformation of Mouse Embryo Fibroblasts in the Absence of Activator E2Fs. Journal of Virology, 2015, 89, 5124-5133.	3.4	6

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55	Expression of the small T antigen of Lymphotropic Papovavirus is sufficient to transform primary mouse embryo fibroblasts. Virology, 2016, 487, 112-120.	2.4	6
56	The Retinoblastoma Tumor Suppressor Regulates a Xenobiotic Detoxification Pathway. PLoS ONE, 2011, 6, e26019.	2.5	5
57	Binding to retinoblastoma pocket domain does not alter the inter-domain flexibility of the J domain of SV40 large T antigen. Archives of Biochemistry and Biophysics, 2012, 518, 111-118.	3.0	4
58	Stability and detection of nucleic acid from viruses and hosts in controlled mosquito blood feeds. PLoS ONE, 2020, 15, e0231061.	2.5	4
59	Viral Oncogene Expression in the Stem/Progenitor Cell Compartment of the Mouse Intestine Induces Adenomatous Polyps. Molecular Cancer Research, 2014, 12, 1355-1364.	3.4	3
60	Removal of a small C-terminal region of JCV and SV40 large T antigens has differential effects on transformation. Virology, 2014, 468-470, 47-56.	2.4	3
61	Draft Genome Sequence of a Novel Rhabdovirus Isolated from Deinocerites Mosquitoes. Genome Announcements, 2018, 6, .	0.8	3
62	Complete Genome Sequence of Pittsburgh Sewage-Associated Virus 1. Genome Announcements, 2018, 6, .	0.8	2
63	Coding-Complete Genome Sequence of a Pollen-Associated Virus Belonging to the Secoviridae Family Recovered from a Japanese Apricot (Prunus mume) Metagenome Data Set. Microbiology Resource Announcements, 2019, 8, .	0.6	2