Paul R Kinchington

List of Publications by Year
in descending order

101 papers	4,292 citations	126708 33 h-index	123241 61 g-index
108 all docs	108 docs citations	108 times ranked	3744 citing authors

#	Article	IF	Citations
1	Herpes Simplex Virus-Specific Memory CD8+ T Cells Are Selectively Activated and Retained in Latently Infected Sensory Ganglia. Immunity, 2003, 18, 593-603.	6.6	351
2	Noncytotoxic Lytic Granuleâ€“Mediated CD8 ⁺ T Cell Inhibition of HSV-1 Reactivation from Neuronal Latency. Science, 2008, 322, 268-271.	6.0	334
3	Attenuation of the Vaccine Oka Strain of Varicella-Zoster Virus and Role of Glycoprotein C in Alphaherpesvirus Virulence Demonstrated in the SCID-hu Mouse. Journal of Virology, 1998, 72, 965-974.	1.5	204
4	Selective retention of herpes simplex virus-specific T cells in latently infected human trigeminal ganglia. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3496-3501.	3.3	199
5	Varicella-Zoster Virus Gene 66 Transcription and Translation in Latently Infected Human Ganglia. Journal of Virology, 2003, 77, 6660-6665.	1.5	118
6	Varicella zoster virus induces neuropathic changes in rat dorsal root ganglia and behavioral reflex sensitisation that is attenuated by gabapentin or sodium channel blocking drugs. Pain, 2005, 118, 97-111.	2.0	116
7	Gamma Interferon Can Block Herpes Simplex Virus Type 1 Reactivation from Latency, Even in the Presence of Late Gene Expression. Journal of Virology, 2005, 79, 10339-10347.	1.5	111
8	Large-scale generation of human iPSC-derived neural stem cells/early neural progenitor cells and their neuronal differentiation. Organogenesis, 2014, 10, 365-377.	0.4	96
9	Human trophoblasts confer resistance to viruses implicated in perinatal infection. American Journal of Obstetrics and Gynecology, 2015, 212, 71.e1-71.e8.	0.7	92
10	Deep Sequencing of Viral Genomes Provides Insight into the Evolution and Pathogenesis of Varicella Zoster Virus and Its Vaccine in Humans. Molecular Biology and Evolution, 2014, 31, 397-409.	3.5	91
11	Involvement of IL-6 in the paracrine production of VEGF in ocular HSV-1 infection. Experimental Eye Research, 2006, 82, 46-54.	1.2	89
12	Downregulation of Class I Major Histocompatibility Complex Surface Expression by Varicella-Zoster Virus Involves Open Reading Frame 66 Protein Kinase-Dependent and -Independent Mechanisms. Journal of Virology, 2007, 81, 9034-9049.	1.5	89
13	A5-Positive Primary Sensory Neurons Are Nonpermissive for Productive Infection with Herpes Simplex Virus 1 In Vitro. Journal of Virology, 2011, 85, 6669-6677.	1.5	88
14	Varicella-Zoster Virus ORF63 Inhibits Apoptosis of Primary Human Neurons. Journal of Virology, 2006, 80, 1025-1031.	1.5	81
15	Nuclear Accumulation of IE62, the Varicella-Zoster Virus (VZV) Major Transcriptional Regulatory Protein, Is Inhibited by Phosphorylation Mediated by the VZV Open Reading Frame 66 Protein Kinase. Journal of Virology, 2000, 74, 2265-2277.	1.5	79
16	Herpes simplex virus and varicella zoster virus, the house guests who never leave. Herpesviridae, 2012, 3, 5.	2.7	79
17	Prospects for adenovirus antivirals. Journal of Antimicrobial Chemotherapy, 2005, 55, 424-429.	1.3	78
18	Vaccination Targeting Native Receptors to Enhance the Function and Proliferation of Chimeric Antigen Receptor (CAR)-Modified T Cells. Clinical Cancer Research, 2017, 23, 3499-3509.	3.2	76

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19	Varicella-Zoster Virus (VZV) Infection of Neurons Derived from Human Embryonic Stem Cells: Direct Demonstration of Axonal Infection, Transport of VZV, and Productive Neuronal Infection. Journal of Virology, 2011, 85, 6220-6233.	1.5	75
20	Immune Control of HSV-1 Latency. Viral Immunology, 2005, 18, 466-473.	0.6	70
21	RNA-seq Analysis of Host and Viral Gene Expression Highlights Interaction between Varicella Zoster Virus and Keratinocyte Differentiation. PLoS Pathogens, 2014, 10, e1003896.	2.1	70
22	Modeling Herpes Simplex Virus 1 Infections in Human Central Nervous System Neuronal Cells Using Two- and Three-Dimensional Cultures Derived from Induced Pluripotent Stem Cells. Journal of Virology, 2019, 93, .	1.5	68
23	Roscovitine, a Cyclin-Dependent Kinase Inhibitor, Prevents Replication of Varicella-Zoster Virus. Journal of Virology, 2004, 78, 2853-2862.	1.5	63
24	An In Vitro Model of Latency and Reactivation of Varicella Zoster Virus in Human Stem Cell-Derived Neurons. PLoS Pathogens, 2015, 11, e1004885.	2.1	62
25	Current Gene Therapy using Viral Vectors for Chronic Pain. Molecular Pain, 2015, 11, s12990-015-0018.	1.0	55
26	Phosphorylation of the Varicella-Zoster Virus (VZV) Major Transcriptional Regulatory Protein IE62 by the VZV Open Reading Frame 66 Protein Kinase. Journal of Virology, 2006, 80, 1710-1723.	1.5	52
27	Hyperphosphorylation of Histone Deacetylase 2 by Alphaherpesvirus US3 Kinases. Journal of Virology, 2010, 84, 9666-9676.	1.5	48
28	Virion Association of IE62, the Varicella-Zoster Virus (VZV) Major Transcriptional Regulatory Protein, Requires Expression of the VZV Open Reading Frame 66 Protein Kinase. Journal of Virology, 2001, 75, 9106-9113.	1.5	47
29	Memory Cytotoxic T Cell Responses to Viral Tegument and Regulatory Proteins Encoded by Open Reading Frames 4, 10, 29, and 62 of Varicella-Zoster Virus. Viral Immunology, 2002, 15, 507-516.	0.6	45
30	Persistent Infection by HSV-1 Is Associated With Changes in Functional Architecture of iPSC-Derived Neurons and Brain Activation Patterns Underlying Working Memory Performance. Schizophrenia Bulletin, 2015, 41, 123-132.	2.3	44
31	BNIP3L-mediated mitophagy is required for mitochondrial remodeling during the differentiation of optic nerve oligodendrocytes. Autophagy, 2021, 17, 3140-3159.	4.3	37
32	Sequence changes in the human adenovirus type 5 DNA polymerase associated with resistance to the broad spectrum antiviral cidofovir. Antiviral Research, 2002, 56, 73-84.	1.9	36
33	Viral forensic genomics reveals the relatedness of classic herpes simplex virus strains KOS, KOS63, and KOS79. Virology, 2016, 492, 179-186.	1.1	36
34	Generation of three-dimensional human neuronal cultures: application to modeling CNS viral infections. Stem Cell Research and Therapy, 2018, 9, 134.	2.4	36
35	Productive vs non-productive infection by cell-free varicella zoster virus of human neurons derived from embryonic stem cells is dependent upon infectious viral dose. Virology, 2013, 443, 285-293.	1.1	35
36	Virus-Mediated Suppression of the Antigen Presentation Molecule MR1. Cell Reports, 2020, 30, 2948-2962.e4.	2.9	35

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37	Development and pathogenic evaluation of recombinant herpes simplex virus type 1 expressing two fluorescent reporter genes from different lytic promoters. Virology, 2008, 378, 254-264.	1.1	34
38	Varicella-Zoster Virus Infects Human Embryonic Stem Cell-Derived Neurons and Neurospheres but Not Pluripotent Embryonic Stem Cells or Early Progenitors. Journal of Virology, 2012, 86, 3211-3218.	1.5	34
39	Retrograde axonal transport of VZV: kinetic studies in hESC-derived neurons. Journal of NeuroVirology, 2012, 18, 462-470.	1.0	34
40	Varicella zoster virus-induced pain and post-herpetic neuralgia in the human host and in rodent animal models. Journal of NeuroVirology, 2011, 17, 590-599.	1.0	33
41	Varicella-Zoster Virus and Herpes Simplex Virus 1 Can Infect and Replicate in the Same Neurons whether Co- or Superinfected. Journal of Virology, 2014, 88, 5079-5086.	1.5	32
42	Production of the Cytokine VEGF-A by CD4+ T and Myeloid Cells Disrupts the Corneal Nerve Landscape and Promotes Herpes Stromal Keratitis. Immunity, 2020, 53, 1050-1062.e5.	6.6	32
43	Varicella-Zoster Virus Open Reading Frame 66 Protein Kinase Is Required for Efficient Viral Growth in Primary Human Corneal Stromal Fibroblast Cells. Journal of Virology, 2008, 82, 7653-7665.	1.5	29
44	Varicella-Zoster Virus Inhibition of the NF-ÎºB Pathway during Infection of Human Dendritic Cells: Role for Open Reading Frame 61 as a Modulator of NF-ÎºB Activity. Journal of Virology, 2012, 86, 1193-1202.	1.5	29
45	Modeling Varicella Zoster Virus Persistence and Reactivation â€“ Closer to Resolving a Perplexing Persistent State. Frontiers in Microbiology, 2019, 10, 1634.	1.5	29
46	Histone Deacetylases 1 and 2 Are Phosphorylated at Novel Sites during Varicella-Zoster Virus Infection. Journal of Virology, 2009, 83, 11502-11513.	1.5	28
47	The Capacity of UL49.5 Proteins To Inhibit TAP Is Widely Distributed among Members of the Genus Varicellovirus. Journal of Virology, 2011, 85, 2351-2363.	1.5	28
48	Neuronal changes induced by Varicella Zoster Virus in a rat model of postherpetic neuralgia. Virology, 2015, 482, 167-180.	1.1	28
49	Role of Inflammatory Cytokine-Induced Cycloxygenase 2 in the Ocular Immunopathologic Disease Herpetic Stromal Keratitis. Journal of Virology, 2005, 79, 10589-10600.	1.5	26
50	iPSC Neuronal Assay Identifies Amaryllidaceae Pharmacophore with Multiple Effects against Herpesvirus Infections. ACS Medicinal Chemistry Letters, 2016, 7, 46-50.	1.3	26
51	Comparison of three cell-based drug screening platforms for HSV-1 infection. Antiviral Research, 2017, 142, 136-140.	1.9	24
52	Varicella-Zoster Virus Expresses Multiple Small Noncoding RNAs. Journal of Virology, 2017, 91, .	1.5	24
53	Stem cell transplantation rescued a primary open-angle glaucoma mouse model. ELife, 2021, 10, .	2.8	23
54	Aromatase Derived Estradiol Within the Thalamus Modulates Pain Induced by Varicella Zoster Virus. Frontiers in Integrative Neuroscience, 2018, 12, 46.	1.0	22

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55	Estradiol Acts in Lateral Thalamic Region to Attenuate Varicella Zoster Virus Associated Affective Pain. Neuroscience, 2019, 414, 99-111.	1.1	21
56	A Novel Human Skin Tissue Model To Study Varicella-Zoster Virus and Human Cytomegalovirus. Journal of Virology, 2020, 94, .	1.5	21
57	Varicellaâ€Zoster virus ORF9 is an antagonist of the DNA sensor cGAS. EMBO Journal, 2022, 41, .	3.5	21
58	Delaying the Expression of Herpes Simplex Virus Type 1 Glycoprotein B (gB) to a True Late Gene Alters Neurovirulence and Inhibits the gB-CD8+ T-Cell Response in the Trigeminal Ganglion. Journal of Virology, 2010, 84, 8811-8820.	1.5	20
59	Sex differences underlying orofacial varicella zoster associated pain in rats. BMC Neurology, 2017, 17, 95.	0.8	20
60	Identification of Viral Antigens Recognized by Ocular Infiltrating T Cells from Patients with Varicella Zoster Virus-Induced Uveitis. , 2007, 48, 3689.		19
61	Patterns of Herpes Simplex Virus 1 Infection in Neural Progenitor Cells. Journal of Virology, 2020, 94, .	1.5	19
62	Broad-spectrum non-nucleoside inhibitors of human herpesviruses. Antiviral Research, 2015, 121, 16-23.	1.9	18
63	Cyclin-Dependent Kinase 1/Cyclin B1 Phosphorylates Varicella-Zoster Virus IE62 and Is Incorporated into Virions. Journal of Virology, 2008, 82, 12116-12125.	1.5	16
64	Subclinical Herpes Simplex Virus Type 1 Infections Provide Site-Specific Resistance to an Unrelated Pathogen. Journal of Immunology, 2017, 198, 1706-1717.	0.4	16
65	The Alphaherpesvirus US3/ORF66 Protein Kinases Direct Phosphorylation of the Nuclear Matrix Protein Matrin 3. Journal of Virology, 2011, 85, 568-581.	1.5	15
66	Cellular Transcriptome Analysis Reveals Differential Expression of Pro- and Antiapoptosis Genes by Varicella-Zoster Virus-Infected Neurons and Fibroblasts. Journal of Virology, 2014, 88, 7674-7677.	1.5	15
67	Bacteria induce autophagy in a human ocular surface cell line. Experimental Eye Research, 2018, 168, 12-18.	1.2	15
68	Direct Transfer of Viral and Cellular Proteins from Varicella-Zoster Virus-Infected Non-Neuronal Cells to Human Axons. PLoS ONE, 2015, 10, e0126081.	1.1	15
69	Potential Prophylactic and Therapeutic Vaccines for HSV Infections. Current Pharmaceutical Design, 2007, 13, 1965-1973.	0.9	14
70	Lateral thalamic control of nociceptive response after whisker pad injection of varicella zoster virus. Neuroscience, 2017, 356, 207-216.	1.1	14
71	The proportion of trigeminal ganglionic neurons expressing herpes simplex virus type 1 latency-associated transcripts correlates to reactivation in the New Zealand rabbit ocular model. Graefe's Archive for Clinical and Experimental Ophthalmology, 1995, 233, 649-654.	1.0	13
72	R430: A potent inhibitor of DNA and RNA viruses. Scientific Reports, 2018, 8, 16662.	1.6	13

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73	KLF4 Regulates Corneal Epithelial Cell Cycle Progression by Suppressing Canonical TGF-Î² Signaling and Upregulating CDK Inhibitors P16 and P27. , 2019, 60, 731.		12
74	Influence of an immunodominant herpes simplex virus type 1 CD8+ T cell epitope on the target hierarchy and function of subdominant CD8+ T cells. PLoS Pathogens, 2017, 13, e1006732.	2.1	12
75	Nuclear retinoic acid receptors in the lacrimal gland. Current Eye Research, 1995, 14, 1055-1062.	0.7	11
76	Role for the Ventral Posterior Medial/Posterior Lateral Thalamus and Anterior Cingulate Cortex in Affective/Motivation Pain Induced by Varicella Zoster Virus. Frontiers in Integrative Neuroscience, 2017, 11, 27.	1.0	11
77	Varicella Zoster Virus Impairs Expression of the Nonclassical Major Histocompatibility Complex Class Iâ€“Related Gene Protein (MR1). Journal of Infectious Diseases, 2023, 227, 391-401.	1.9	11
78	Defective Transport of Herpes Simplex Virus Glycoprotein in Interferon-Treated Cells: Role of Intracellular pH. Journal of Interferon Research, 1994, 14, 319-324.	1.2	10
79	Reduced activity of GAD67 expressing cells in the reticular thalamus enhance thalamic excitatory activity and varicella zoster virus associated pain. Neuroscience Letters, 2020, 736, 135287.	1.0	10
80	Local Immune Control of Latent Herpes Simplex Virus Type 1 in Ganglia of Mice and Man. Frontiers in Immunology, 2021, 12, 723809.	2.2	10
81	The synthesis and immunogenicity of varicella-zoster virus glycoprotein E and immediate-early protein (IE62) expressed in recombinant herpes simplex virus-1. Antiviral Research, 1997, 33, 187-200.	1.9	8
82	Bioinformatically-predicted varicella zoster virus small non-coding RNAs are expressed in lytically-infected epithelial cells and neurons. Virus Research, 2019, 274, 197773.	1.1	8
83	Varicella-zoster virus early infection but not complete replication is required for the induction of chronic hypersensitivity in rat models of postherpetic neuralgia. PLoS Pathogens, 2021, 17, e1009689.	2.1	8
84	Feasibility of an antiviral clinical trial requiring cross-country shipment of conjunctival adenovirus cultures and recovery of infectious virus. Current Eye Research, 2004, 29, 195-199.	0.7	7
85	Herpes Simplex Virus 1-Specific CD8⁺T Cell Priming and Latent Ganglionic Retention Are Shaped by Viral Epitope Promoter Kinetics. Journal of Virology, 2020, 94, .	1.5	7
86	Varicella-Zoster Virus (VZV) Small Noncoding RNAs Antisense to the VZV Latency-Encoded Transcript VLT Enhance Viral Replication. Journal of Virology, 2020, 94, .	1.5	7
87	Differential Expression of Immune Checkpoint Molecules on CD8⁺T Cells Specific for Immunodominant and Subdominant Herpes Simplex Virus 1 Epitopes. Journal of Virology, 2020, 94, .	1.5	6
88	Comparing Gene Expression in the Parabrachial and Amygdala of Diestrus and Proestrus Female Rats after Orofacial Varicella Zoster Injection. International Journal of Molecular Sciences, 2020, 21, 5749.	1.8	6
89	Development of Robust Varicella Zoster Virus Luciferase Reporter Viruses for In Vivo Monitoring of Virus Growth and Its Antiviral Inhibition in Culture, Skin, and Humanized Mice. Viruses, 2022, 14, 826.	1.5	5
90	Variations in Aspects of Neural Precursor Cell Neurogenesis in a Human Model of HSV-1 Infection. Organogenesis, 2022, 18, 2055354.	0.4	4

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91	A Guide to Preclinical Models of Zoster-Associated Pain and Postherpetic Neuralgia. Current Topics in Microbiology and Immunology, 2021, , 189-221.	0.7	2
92	Antiviral Targeting of Varicella Zoster Virus Replication and Neuronal Reactivation Using CRISPR/Cas9 Cleavage of the Duplicated Open Reading Frames 62/71. Viruses, 2022, 14, 378.	1.5	2
93	Sensory Neurons Regulate the Effector Functions of CD8+ T Cells in Controlling HSV-1 Latency Ex Vivo. Immunity, 2006, 24, 657.	6.6	1
94	Targeting Host Pathways to Block HSV-1 at the Cornea. , 2014, 55, 716.		1
95	Locked-nucleotide antagonists to varicella zoster virus small non-coding RNA block viral growth and have potential as an anti-viral therapy. Antiviral Research, 2021, 193, 105144.	1.9	1
96	Varicella Zoster Virus Neuronal Latency and Reactivation Modeled in Vitro. Current Topics in Microbiology and Immunology, 2021, , .	0.7	1
97	Neurexin 3Î± in the Central Amygdala has a Role in Orofacial Varicella Zoster Pain. Neuroscience, 2022, 496, 16-26.	1.1	1
98	497. HSV Vector-Mediated Expression of a Novel Drug Activated Pain Signalling Therapeutic Abrogates Pain. Molecular Therapy, 2015, 23, S198.	3.7	0
99	Human induced pluripotent stem cells for modeling of herpes simplex virus 1 infections. , 2021, , 69-93.		0
100	Studies of Infection and Experimental Reactivation by Recombinant VZV with Mutations in Virally-Encoded Small Non-Coding RNA. Viruses, 2022, 14, 1015.	1.5	0
101	Sex Differences in the Role of Neurexin 3Î± in Zoster Associated Pain. Frontiers in Integrative Neuroscience, 0, 16, .	1.0	0