Ann M Arvin

List of Publications by Year
in descending order

107 papers	4,994 citations	126708 33 h-index	102304 66 g-index
116 all docs	116 docs citations	116 times ranked	6193 citing authors

#	Article	IF	Citations
1	A perspective on potential antibody-dependent enhancement of SARS-CoV-2. Nature, 2020, 584, 353-363.	13.7	413
2	Molecular mechanisms of varicella zoster virus pathogenesis. Nature Reviews Microbiology, 2014, 12, 197-210.	13.6	319
3	Vaccine Development to Prevent Cytomegalovirus Disease: Report from the National Vaccine Advisory Committee. Clinical Infectious Diseases, 2004, 39, 233-239.	2.9	302
4	After the pandemic: perspectives on the future trajectory of COVID-19. Nature, 2021, 596, 495-504.	13.7	260
5	Aging, Immunity, and the Varicellaâ€"Zoster Virus. New England Journal of Medicine, 2005, 352, 2266-2267.	13.9	249
6	Immune Responses to Measles and Mumps Vaccination of Infants at 6, 9, and 12 Months. Journal of Infectious Diseases, 2001, 184, 817-826.	1.9	213
7	Prospects for a safe COVID-19 vaccine. Science Translational Medicine, 2020, 12, .	5.8	204
8	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
9	Frequencies of Memory T Cells Specific for Varicellaâ€Zoster Virus, Herpes Simplex Virus, and Cytomegalovirus by Intracellular Detection of Cytokine Expression. Journal of Infectious Diseases, 2000, 181, 859-866.	1.9	188
10	Varicella-Zoster Virus Infections in Patients Treated With Fingolimod. JAMA Neurology, 2015, 72, 31.	4.5	142
11	Humoral and Cellular Immunity to Varicellaâ€Zoster Virus: An Overview. Journal of Infectious Diseases, 2008, 197, S58-S60.	1.9	138
12	Varicella-zoster virus infection of human dorsal root ganglia in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6490-6495.	3.3	133
13	Humoral and Cell-Mediated Immunity in Neonates with Herpes Simplex Virus Infection. Journal of Infectious Diseases, 1987, 155, 28-37.	1.9	129
14	A Self-Excisable Infectious Bacterial Artificial Chromosome Clone of Varicella-Zoster Virus Allows Analysis of the Essential Tegument Protein Encoded by <i>ORF9</i>. Journal of Virology, 2007, 81, 13200-13208.	1.5	118
15	Reasons for the Absence of a History of Recurrent Genital Infections in Mothers of Neonates Infected with Herpes Simplex Virus. Pediatrics, 1984, 73, 188-193.	1.0	114
16	Mechanisms of Varicella-Zoster Virus Neuropathogenesis in Human Dorsal Root Ganglia. Journal of Virology, 2008, 82, 3971-3983.	1.5	111
17	Inactivated varicella zoster vaccine in autologous haemopoietic stem-cell transplant recipients: an international, multicentre, randomised, double-blind, placebo-controlled trial. Lancet, The, 2018, 391, 2116-2127.	6.3	79
18	The Epidemiology of Neonatal Herpes Simplex Virus Infections in California from 1985 to 1995. Journal of Infectious Diseases, 1999, 180, 199-202.	1.9	75

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19	Varicella-Zoster Virus T Cell Tropism and the Pathogenesis of Skin Infection. Current Topics in Microbiology and Immunology, 2010, 342, 189-209.	0.7	75
20	Mass Cytometric Analysis of HIV Entry, Replication, and Remodeling in Tissue CD4+ T Cells. Cell Reports, 2017, 20, 984-998.	2.9	66
21	Antiviral therapy for varicella and herpes zoster. Seminars in Pediatric Infectious Diseases, 2002, 13, 12-21.	1.7	58
22	Essential Functions of the Unique N-Terminal Region of the Varicella-Zoster Virus Glycoprotein E Ectodomain in Viral Replication and in the Pathogenesis of Skin Infection. Journal of Virology, 2006, 80, 9481-9496.	1.5	58
23	Mutagenesis of Varicella-Zoster Virus Glycoprotein B: Putative Fusion Loop Residues Are Essential for Viral Replication, and the Furin Cleavage Motif Contributes to Pathogenesis in Skin Tissue In Vivo. Journal of Virology, 2009, 83, 7495-7506.	1.5	56
24	Functions of the C-Terminal Domain of Varicella-Zoster Virus Glycoprotein E in Viral Replication In Vitro and Skin and T-Cell Tropism In Vivo. Journal of Virology, 2004, 78, 12406-12415.	1.5	54
25	Control of Varicella. Pediatric Infectious Disease Journal, 2006, 25, 475-476.	1.1	54
26	Granulysin Blocks Replication of Varicella-Zoster Virus and Triggers Apoptosis of Infected Cells. Viral Immunology, 2001, 14, 125-133.	0.6	51
27	Varicella-zoster virus immune evasion. Immunological Reviews, 1999, 168, 143-156.	2.8	50
28	Functions of the unique N-terminal region of glycoprotein E in the pathogenesis of varicella-zoster virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 282-287.	3.3	46
29	Varicella and herpes zoster in pregnancy and the newborn. , 2000, , 317-348.		44
30	Structureâ€"function analysis of varicella-zoster virus glycoprotein H identifies domain-specific roles for fusion and skin tropism. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18412-18417.	3.3	44
31	A site of varicella-zoster virus vulnerability identified by structural studies of neutralizing antibodies bound to the glycoprotein complex gHgL. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6056-6061.	3.3	44
32	Intravenous ribavirin therapy for adenovirus pneumonia. , 2000, 29, 64-73.		42
33	Autophagic flux without a block differentiates varicella-zoster virus infection from herpes simplex virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 256-261.	3.3	42
34	Varicella-Zoster Virus Glycoproteins: Entry, Replication, and Pathogenesis. Current Clinical Microbiology Reports, 2016, 3, 204-215.	1.8	39
35	An immunoreceptor tyrosine-based inhibition motif in varicella-zoster virus glycoprotein B regulates cell fusion and skin pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1911-1916.	3.3	38
36	Deletion of the First Cysteine-Rich Region of the Varicella-Zoster Virus Glycoprotein E Ectodomain Abolishes the gE and gI Interaction and Differentially Affects Cell-Cell Spread and Viral Entry. Journal of Virology, 2009, 83, 228-240.	1.5	37

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37	The Cytoplasmic Domain of Varicella-Zoster Virus Glycoprotein H Regulates Syncytia Formation and Skin Pathogenesis. PLoS Pathogens, 2014, 10, e1004173.	2.1	37
38	Tumor necrosis factor, interleukin-2, and interferon-gamma in adult varicella. Journal of Medical Virology, 1994, 43, 69-71.	2.5	34
39	Neuronal Subtype and Satellite Cell Tropism Are Determinants of Varicella-Zoster Virus Virulence in Human Dorsal Root Ganglia Xenografts In Vivo. PLoS Pathogens, 2015, 11, e1004989.	2.1	30
40	Clinical manifestations of herpes zoster. , 2000, , 246-275.		29
41	Target highlights in <scp>CASP14</scp>: Analysis of models by structure providers. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1647-1672.	1.5	27
42	Viral proteins. , 2000, , 74-104.		25
43	Epidemiology of varicella. , 2000, , 187-205.		25
44	Anti-Glycoprotein H Antibody Impairs the Pathogenicity of Varicella-Zoster Virus in Skin Xenografts in the SCID Mouse Model. Journal of Virology, 2010, 84, 141-152.	1.5	25
45	Herpes Simplex Virus 1 Tropism for Human Sensory Ganglion Neurons in the Severe Combined Immunodeficiency Mouse Model of Neuropathogenesis. Journal of Virology, 2013, 87, 2791-2802.	1.5	25
46	Safety and efficacy of inactivated varicella zoster virus vaccine in immunocompromised patients with malignancies: a two-arm, randomised, double-blind, phase 3 trial. Lancet Infectious Diseases, The, 2019, 19, 1001-1012.	4.6	25
47	Acid Labile Î±-interferon in sera and synovial fluids from patients with juvenile arthritis. Arthritis and Rheumatism, 1984, 27, 582-585.	6.7	23
48	Role for the Î±V Integrin Subunit in Varicella-Zoster Virus-Mediated Fusion and Infection. Journal of Virology, 2016, 90, 7567-7578.	1.5	23
49	A glycoprotein B-neutralizing antibody structure at 2.8â€‰Å… uncovers a critical domain for herpesvirus fusion initiation. Nature Communications, 2020, 11, 4141.	5.8	23
50	The Glycoprotein B Cytoplasmic Domain Lysine Cluster Is Critical for Varicella-Zoster Virus Cell-Cell Fusion Regulation and Infection. Journal of Virology, 2017, 91, .	1.5	20
51	Mutagenesis of Varicella-Zoster Virus Glycoprotein I (gI) Identifies a Cysteine Residue Critical for gE/gI Heterodimer Formation, gI Structure, and Virulence in Skin Cells. Journal of Virology, 2011, 85, 4095-4110.	1.5	17
52	Deletion of Herpes Simplex Virus 1 MicroRNAs miR-H1 and miR-H6 Impairs Reactivation. Journal of Virology, 2020, 94, .	1.5	16
53	Varicella-zoster virus: molecular controls of cell fusion-dependent pathogenesis. Biochemical Society Transactions, 2020, 48, 2415-2435.	1.6	16
54	Pathogenesis of latency and reactivation. , 2000, , 123-141.		15

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55	Dysregulated Glycoprotein B-Mediated Cell-Cell Fusion Disrupts Varicella-Zoster Virus and Host Gene Transcription during Infection. Journal of Virology, 2017, 91, .	1.5	15
56	Isolation and Utilization of Human Dendritic Cells from Peripheral Blood to Assay an In Vitro Primary Immune Response to Varicellaâ€Zoster Virus Peptides. Journal of Infectious Diseases, 1998, 178, S39-S42.	1.9	13
57	DNA replication. , 2000, , 51-73.		13
58	Investigations of the pathogenesis of Varicella zoster virus infection in the SCIDhu mouse model. Herpes: the Journal of the IHMF, 2006, 13, 75-80.	0.3	13
59	Varicella-Zoster Virus Activates CREB, and Inhibition of the pCREB-p300/CBP Interaction Inhibits Viral Replication<i>In Vitro</i>and Skin Pathogenesis<i>In Vivo</i>. Journal of Virology, 2016, 90, 8686-8697.	1.5	12
60	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. PLoS Pathogens, 2021, 17, e1008961.	2.1	12
61	Clinical manifestations of varicella. , 2000, , 206-219.		11
62	The latency-associated transcript locus of herpes simplex virus 1 is a virulence determinant in human skin. PLoS Pathogens, 2020, 16, e1009166.	2.1	11
63	Host response to primary infection. , 2000, , 142-156.		10
64	Laboratory diagnosis of infection. , 2000, , 351-382.		10
65	Epidemiology of herpes zoster. , 2000, , 220-245.		9
66	Analysis of the Functions of Glycoproteins E and I and Their Promoters During VZV Replication In Vitro and in Skin and T-Cell Xenografts in the SCID Mouse Model of VZV Pathogenesis. Current Topics in Microbiology and Immunology, 2010, 342, 129-146.	0.7	9
67	Age-Associated Differences in Infection of Human Skin in the SCID Mouse Model of Varicella-Zoster Virus Pathogenesis. Journal of Virology, 2018, 92, .	1.5	9
68	The C-terminus of varicella-zoster virus glycoprotein M contains trafficking motifs that mediate skin virulence in the SCID-human model of VZV pathogenesis. Virology, 2018, 523, 110-120.	1.1	9
69	Molecular evolution of alphaherpesviruses. , 2000, , 25-50.		8
70	Pathogenesis of primary infection. , 2000, , 105-122.		8
71	The pathogenesis of varicella-zoster virus neurotropism and infection. , 2008, , 225-250.		8
72	Primary immunization against varicella. , 2000, , 460-476.		7

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73	Cellular transcription factor YY1 mediates the varicella-zoster virus (VZV) IE62 transcriptional activation. Virology, 2014, 449, 244-253.	1.1	7
74	Development of the Oka vaccine. , 2000, , 442-459.		6
75	Differential effects of Sp cellular transcription factors on viral promoter activation by varicella-zoster virus (VZV) IE62 protein. Virology, 2015, 485, 47-57.	1.1	6
76	Immunogenicity of Inactivated Varicella Zoster Vaccine in Autologous Hematopoietic Stem Cell Transplant Recipients and Patients With Solid or Hematologic Cancer. Open Forum Infectious Diseases, 2020, 7, ofaa172.	0.4	6
77	Ophthalmic zoster. , 2000, , 276-298.		5
78	Varicella-zoster Virus Infections. , 0, , 1388-1409.		5
79	Calcineurin phosphatase activity regulates Varicella-Zoster Virus induced cell-cell fusion. PLoS Pathogens, 2020, 16, e1009022.	2.1	5
80	Animal models of infection. , 2000, , 169-184.		3
81	Treatment of varicella. , 2000, , 385-395.		3
82	Prevention of nosocomial transmission. , 2000, , 477-499.		3
83	Varicella-zoster virus (VZV) origin of DNA replication oriS influences origin-dependent DNA replication and flanking gene transcription. Virology, 2015, 481, 179-186.	1.1	3
84	Herpes Simplex Virus Infections: The Genital Tract and the Newborn. Pediatrics in Review, 1992, 13, 107-111.	0.2	3
85	Immunogenicity of Inactivated Varicella Zoster Vaccine (ZVIN) in Autologous Hematopoietic Stem Cell Transplant (auto-HSCT) Recipients. Open Forum Infectious Diseases, 2017, 4, S60-S60.	0.4	2
86	Postherpetic neuralgia and other neurologic complications. , 2000, , 299-316.		1
87	Treatment of herpes zoster. , 2000, , 396-411.		1
88	Management of postherpetic pain. , 2000, , 412-427.		1
89	Passive antibody prophylaxis. , 2000, , 428-441.		1
90	Immunization against herpes zoster. , 2000, , 500-519.		1

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91	Host response during latency and reactivation. , 2000, , 157-168.		0
92	HIV-1 inhibitory properties of eCD4-Igmim2 determined using an Env-mediated membrane fusion assay. PLoS ONE, 2018, 13, e0206365.	1.1	0
93	Will Measles Virus or Humanity Win the International â€œFitnessâ€•Challenge?. Annual Review of Virology, 2019, 6, iii-vii.	3.0	0
94	Genital Herpesvirus Infections: Rationale for a Vaccine Strategy. , 0, , 259-267.		0
95	Title is missing!. , 2020, 16, e1009166.		0
96	Title is missing!. , 2020, 16, e1009166.		0
97	Title is missing!. , 2020, 16, e1009166.		0
98	Title is missing!. , 2020, 16, e1009166.		0
99	Title is missing!. , 2020, 16, e1009166.		0
100	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
101	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
102	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
103	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
104	Calcineurin phosphatase activity regulates Varicella-Zoster Virus induced cell-cell fusion. , 2020, 16, e1009022.		0
105	Calcineurin phosphatase activity regulates Varicella-Zoster Virus induced cell-cell fusion. , 2020, 16, e1009022.		0
106	Calcineurin phosphatase activity regulates Varicella-Zoster Virus induced cell-cell fusion. , 2020, 16, e1009022.		0
107	Calcineurin phosphatase activity regulates Varicella-Zoster Virus induced cell-cell fusion. , 2020, 16, e1009022.		0