Wen Chang

List of Publications by Year
in descending order

46 papers	2,873 citations	218677 26 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	2448 citing authors

#	Article	IF	Citations
1	NMR assignments of vaccinia virus protein A28: an entry-fusion complex component. Biomolecular NMR Assignments, 2021, 15, 117-120.	0.8	3
2	Vaccinia virus-based vaccines confer protective immunity against SARS-CoV-2 virus in Syrian hamsters. PLoS ONE, 2021, 16, e0257191.	2.5	19
3	Role of LipidÂRafts in Pathogen-Host Interaction -ÂA Mini Review. Frontiers in Immunology, 2021, 12, 815020.	4.8	20
4	Experimental Evolution To Isolate Vaccinia Virus Adaptive G9 Mutants That Overcome Membrane Fusion Inhibition via the Vaccinia Virus A56/K2 Protein Complex. Journal of Virology, 2020, 94, .	3.4	3
5	Vaccinia viral A26 protein is a fusion suppressor of mature virus and triggers membrane fusion through conformational change at low pH. PLoS Pathogens, 2019, 15, e1007826.	4.7	20
6	Ionization of Submicrometer-Sized Particles by Laser-Induced Radiofrequency Plasma for Mass Spectrometric Analysis. Analytical Chemistry, 2018, 90, 13236-13242.	6.5	5
7	Coherent Brightfield Microscopy Provides the Spatiotemporal Resolution To Study Early Stage Viral Infection in Live Cells. ACS Nano, 2017, 11, 2575-2585.	14.6	80
8	Glycosaminoglycans-Specific Cell Targeting and Imaging Using Fluorescent Nanodiamonds Coated with Viral Envelope Proteins. Analytical Chemistry, 2017, 89, 6527-6534.	6.5	18
9	Reply to â€œBioinformatics Analysis of Differential Innate Immune Signaling in Macrophages by Wild-Type Vaccinia Mature Virus and a Mutant Virus with a Deletion of the A26 Proteinâ€. Journal of Virology, 2017, 91, .	3.4	2
10	Differential Innate Immune Signaling in Macrophages by Wild-Type Vaccinia Mature Virus and a Mutant Virus with a Deletion of the A26 Protein. Journal of Virology, 2017, 91, .	3.4	9
11	Intracellular Transport of Vaccinia Virus in HeLa Cells Requires WASH-VPEF/FAM21-Retromer Complexes and Recycling Molecules Rab11 and Rab22. Journal of Virology, 2015, 89, 8365-8382.	3.4	32
12	Vaccinia Viral Protein A27 Is Anchored to the Viral Membrane via a Cooperative Interaction with Viral Membrane Protein A17. Journal of Biological Chemistry, 2014, 289, 6639-6655.	3.4	11
13	Crystal Structure of Vaccinia Viral A27 Protein Reveals a Novel Structure Critical for Its Function and Complex Formation with A26 Protein. PLoS Pathogens, 2013, 9, e1003563.	4.7	32
14	Vaccinia Mature Virus Fusion Regulator A26 Protein Binds to A16 and G9 Proteins of the Viral Entry Fusion Complex and Dissociates from Mature Virions at Low pH. Journal of Virology, 2012, 86, 3809-3818.	3.4	30
15	The Lipid Raft-Associated Protein CD98 Is Required for Vaccinia Virus Endocytosis. Journal of Virology, 2012, 86, 4868-4882.	3.4	53
16	Integrin Î²1 Mediates Vaccinia Virus Entry through Activation of PI3K/Akt Signaling. Journal of Virology, 2012, 86, 6677-6687.	3.4	86
17	Imaging of Vaccinia Virus Entry into HeLa Cells. Methods in Molecular Biology, 2012, 890, 123-133.	0.9	4
18	Synthesis of 3-O-sulfonated heparan sulfate octasaccharides that inhibit the herpes simplex virus type 1 hostâ€“cell interaction. Nature Chemistry, 2011, 3, 557-563.	13.6	168

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19	Vaccinia Virus A25 and A26 Proteins Are Fusion Suppressors for Mature Virions and Determine Strain-Specific Virus Entry Pathways into HeLa, CHO-K1, and L Cells. Journal of Virology, 2010, 84, 8422-8432.	3.4	42
20	A Turn-like Structure â€œKKPEâ€•Segment Mediates the Specific Binding of Viral Protein A27 to Heparin and Heparan Sulfate on Cell Surfaces. Journal of Biological Chemistry, 2009, 284, 36535-36546.	3.4	23
21	Poxvirus Host Range Protein CP77 Contains an F-Box-Like Domain That Is Necessary To Suppress NF-ÎºB Activation by Tumor Necrosis Factor Alpha but Is Independent of Its Host Range Function. Journal of Virology, 2009, 83, 4140-4152.	3.4	64
22	Disulfide Bond Formation at the C Termini of Vaccinia Virus A26 and A27 Proteins Does Not Require Viral Redox Enzymes and Suppresses Glycosaminoglycan-Mediated Cell Fusion. Journal of Virology, 2009, 83, 6464-6476.	3.4	22
23	A Novel Cellular Protein, VPEF, Facilitates Vaccinia Virus Penetration into HeLa Cells through Fluid Phase Endocytosis. Journal of Virology, 2008, 82, 7988-7999.	3.4	87
24	Vaccinia Virus WR53.5/F14.5 Protein Is a New Component of Intracellular Mature Virus and Is Important for Calcium-Independent Cell Adhesion and Vaccinia Virus Virulence in Mice. Journal of Virology, 2008, 82, 10079-10087.	3.4	12
25	Vaccinia Virus 4c (A26L) Protein on Intracellular Mature Virus Binds to the Extracellular Cellular Matrix Laminin. Journal of Virology, 2007, 81, 2149-2157.	3.4	116
26	Laser-Induced Acoustic Desorption Mass Spectrometry of Single Bioparticles. Angewandte Chemie - International Edition, 2006, 45, 1423-1426.	13.8	63
27	Vaccinia Virus Proteome: Identification of Proteins in Vaccinia Virus Intracellular Mature Virion Particles. Journal of Virology, 2006, 80, 2127-2140.	3.4	216
28	The Envelope G3L Protein Is Essential for Entry of Vaccinia Virus into Host Cells. Journal of Virology, 2006, 80, 8402-8410.	3.4	62
29	A Poxvirus Host Range Protein, CP77, Binds to a Cellular Protein, HMG20A, and Regulates Its Dissociation from the Vaccinia Virus Genome in CHO-K1 Cells. Journal of Virology, 2006, 80, 7714-7728.	3.4	32
30	Vaccinia Virus Penetration Requires Cholesterol and Results in Specific Viral Envelope Proteins Associated with Lipid Rafts. Journal of Virology, 2005, 79, 1623-1634.	3.4	87
31	Effects of a Temperature Sensitivity Mutation in the J1R Protein Component of a Complex Required for Vaccinia Virus Assembly. Journal of Virology, 2005, 79, 8046-8056.	3.4	10
32	The Oligomeric Structure of Vaccinia Viral Envelope Protein A27L is Essential for Binding to Heparin and Heparan Sulfates on Cell Surfaces: A Structural and Functional Approach Using Site-specific Mutagenesis. Journal of Molecular Biology, 2005, 349, 1060-1071.	4.2	30
33	An External Loop Region of Domain III of Dengue Virus Type 2 Envelope Protein Is Involved in Serotype-Specific Binding to Mosquito but Not Mammalian Cells. Journal of Virology, 2004, 78, 378-388.	3.4	202
34	The cowpox virus host range gene, CP77, affects phosphorylation of eIF2 Î± and vaccinia viral translation in apoptotic HeLa cells. Virology, 2004, 329, 199-212.	2.4	26
35	Role of the Serine-Threonine Kinase PAK-1 in Myxoma Virus Replication. Journal of Virology, 2003, 77, 5877-5888.	3.4	70
36	Vaccinia Virus J1R Protein: a Viral Membrane Protein That Is Essential for Virion Morphogenesis. Journal of Virology, 2002, 76, 9575-9587.	3.4	44

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37	Molecular Chaperone Hsp90 Is Important for Vaccinia Virus Growth in Cells. Journal of Virology, 2002, 76, 1379-1390.	3.4	91
38	Structural Analysis of the Extracellular Domain of Vaccinia Virus Envelope Protein, A27L, by NMR and CD Spectroscopy. Journal of Biological Chemistry, 2002, 277, 20949-20959.	3.4	14
39	Vaccinia Virus Envelope H3L Protein Binds to Cell Surface Heparan Sulfate and Is Important for Intracellular Mature Virion Morphogenesis and Virus Infection In Vitro and In Vivo. Journal of Virology, 2000, 74, 3353-3365.	3.4	240
40	Vaccinia Virus Envelope D8L Protein Binds to Cell Surface Chondroitin Sulfate and Mediates the Adsorption of Intracellular Mature Virions to Cells. Journal of Virology, 1999, 73, 8750-8761.	3.4	236
41	Cell Surface Proteoglycans Are Necessary for A27L Protein-Mediated Cell Fusion: Identification of the N-Terminal Region of A27L Protein as the Glycosaminoglycan-Binding Domain. Journal of Virology, 1998, 72, 8374-8379.	3.4	92
42	A27L Protein Mediates Vaccinia Virus Interaction with Cell Surface Heparan Sulfate. Journal of Virology, 1998, 72, 1577-1585.	3.4	290
43	Apoptosis and host restriction of vaccinia virus in RK13 cells. Virus Research, 1997, 52, 121-132.	2.2	16
44	Isolation and characterization of a Chinese hamster ovary mutant cell line with altered sensitivity to vaccinia virus killing. Journal of Virology, 1996, 70, 4655-4666.	3.4	22
45	Isolation of a monoclonal antibody which blocks vaccinia virus infection. Journal of Virology, 1995, 69, 517-522.	3.4	23
46	Enrichment of Insertional Mutants Following Retrovirus Gene Trap Selection. Virology, 1993, 193, 737-747.	2.4	39