Deepak Shukla

List of Publications by Year
in descending order

172 papers	13,189 citations	43973 48 h-index	24915 109 g-index
177 all docs	177 docs citations	177 times ranked	20507 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	A Novel Role for 3-O-Sulfated Heparan Sulfate in Herpes Simplex Virus 1 Entry. Cell, 1999, 99, 13-22.	13.5	948
3	Herpesviruses and heparan sulfate: an intimate relationship in aid of viral entry. Journal of Clinical Investigation, 2001, 108, 503-510.	3.9	402
4	Herpes Simplex Epithelial and Stromal Keratitis: An Epidemiologic Update. Survey of Ophthalmology, 2012, 57, 448-462.	1.7	368
5	A novel role for phagocytosis-like uptake in herpes simplex virus entry. Journal of Cell Biology, 2006, 174, 1009-1021.	2.3	228
6	Viral entry mechanisms: cellular and viral mediators of herpes simplex virus entry. FEBS Journal, 2009, 276, 7228-7236.	2.2	227
7	Virostatic potential of microâ€“nano filopodia-like ZnO structures against herpes simplex virus-1. Antiviral Research, 2011, 92, 305-312.	1.9	188
8	Prophylactic, therapeutic and neutralizing effects of zinc oxide tetrapod structures against herpes simplex virus type-2 infection. Antiviral Research, 2012, 96, 363-375.	1.9	167
9	Cell entry mechanisms of HSV: what we have learned in recent years. Future Virology, 2015, 10, 1145-1154.	0.9	163
10	Heparan Sulfate 3-O-Sulfotransferase Isoform 5 Generates Both an Antithrombin-binding Site and an Entry Receptor for Herpes Simplex Virus, Type 1. Journal of Biological Chemistry, 2002, 277, 37912-37919.	1.6	153
11	Antiviral Activity of Phytochemicals: A Comprehensive Review. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1106-1133.	1.1	149
12	Role of metal and metal oxide nanoparticles as diagnostic and therapeutic tools for highly prevalent viral infections. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 219-230.	1.7	138
13	Herpes simplex virus infects most cell types in vitro: clues to its success. Virology Journal, 2011, 8, 481.	1.4	129
14	Heparanase is a host enzyme required for herpes simplex virus-1 release from cells. Nature Communications, 2015, 6, 6985.	5.8	128
15	Intravaginal Zinc Oxide Tetrapod Nanoparticles as Novel Immunoprotective Agents against Genital Herpes. Journal of Immunology, 2016, 196, 4566-4575.	0.4	122
16	Using a 3-<i>O</i>-Sulfated Heparin Octasaccharide To Inhibit the Entry of Herpes Simplex Virus Type 1. Biochemistry, 2008, 47, 5774-5783.	1.2	117
17	Pathogenesis of herpes simplex keratitis: The host cell response and ocular surface sequelae to infection and inflammation. Ocular Surface, 2019, 17, 40-49.	2.2	116
18	Role for 3- O -Sulfated Heparan Sulfate as the Receptor for Herpes Simplex Virus Type 1 Entry into Primary Human Corneal Fibroblasts. Journal of Virology, 2006, 80, 8970-8980.	1.5	111

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19	Mutations in the N Termini of Herpes Simplex Virus Type 1 and 2 gDs Alter Functional Interactions with the Entry/Fusion Receptors HVEM, Nectin-2, and 3- O -Sulfated Heparan Sulfate but Not with Nectin-1. Journal of Virology, 2003, 77, 9221-9231.	1.5	107
20	Characterization of heparan sulphate 3-O-sulphotransferase isoform 6 and its role in assisting the entry of herpes simplex virus type 1. Biochemical Journal, 2005, 385, 451-459.	1.7	103
21	<i>In vitro</i> antiviral activity of neem (<i>Azardirachta indica</i> L.) bark extract against herpes simplex virus typeâ€1 infection. Phytotherapy Research, 2010, 24, 1132-1140.	2.8	96
22	Anti-heparan Sulfate Peptides That Block Herpes Simplex Virus Infection in Vivo. Journal of Biological Chemistry, 2011, 286, 25406-25415.	1.6	96
23	A role for heparan sulfate in viral surfing. Biochemical and Biophysical Research Communications, 2010, 391, 176-181.	1.0	93
24	Regulation of Notch signaling by Drosophila heparan sulfate 3-O sulfotransferase. Journal of Cell Biology, 2004, 166, 1069-1079.	2.3	83
25	Pathological processes activated by herpes simplex virus-1 (HSV-1) infection in the cornea. Cellular and Molecular Life Sciences, 2019, 76, 405-419.	2.4	83
26	Striking Similarity of Murine Nectin-1Î± to Human Nectin-1Î± (HveC) in Sequence and Activity as a Glycoprotein D Receptor for Alphaherpesvirus Entry. Journal of Virology, 2000, 74, 11773-11781.	1.5	81
27	Herpes simplex virus type 1 infection induces oxidative stress and the release of bioactive lipid peroxidation by-products in mouse P19N neural cell cultures. Journal of NeuroVirology, 2007, 13, 416-425.	1.0	80
28	A role for 3-O-sulfated heparan sulfate in cell fusion induced by herpes simplex virus type 1. Journal of General Virology, 2004, 85, 805-809.	1.3	77
29	Viral Activation of Heparanase Drives Pathogenesis of Herpes Simplex Virus-1. Cell Reports, 2017, 20, 439-450.	2.9	74
30	A role for heparan sulfate 3-O-sulfotransferase isoform 2 in herpes simplex virus type 1 entry and spread. Virology, 2006, 346, 452-459.	1.1	71
31	Syndecan-1 and syndecan-2 play key roles in herpes simplex virus type-1 infection. Journal of General Virology, 2011, 92, 733-743.	1.3	70
32	Herpes Simplex Virus Cell Entry Mechanisms: An Update. Frontiers in Cellular and Infection Microbiology, 2020, 10, 617578.	1.8	67
33	The importance of heparan sulfate in herpesvirus infection. Virologica Sinica, 2008, 23, 383-393.	1.2	63
34	Role of heparan sulfate in sexually transmitted infections. Glycobiology, 2012, 22, 1402-1412.	1.3	63
35	Filopodia and Viruses: An Analysis of Membrane Processes in Entry Mechanisms. Frontiers in Microbiology, 2016, 7, 300.	1.5	63
36	HVEM and Nectin-1 Are the Major Mediators of Herpes Simplex Virus 1 (HSV-1) Entry into Human Conjunctival Epithelium. , 2008, 49, 4026.		62

#	Article	IF	Citations
37	Dysregulation of Cell Signaling by SARS-CoV-2. Trends in Microbiology, 2021, 29, 224-237.	3.5	62
38	A role for 3-O-sulfotransferase isoform-4 in assisting HSV-1 entry and spread. Biochemical and Biophysical Research Communications, 2005, 338, 930-937.	1.0	61
39	An off-target effect of BX795 blocks herpes simplex virus type 1 infection of the eye. Science Translational Medicine, 2018, 10, .	5.8	61
40	Herpes simplex virus type 1 induces filopodia in differentiated P19 neural cells to facilitate viral spread. Neuroscience Letters, 2008, 440, 113-118.	1.0	59
41	Current and Emerging Therapies for Ocular Herpes Simplex Virus Type-1 Infections. Microorganisms, 2019, 7, 429.	1.6	59
42	Transcription from the Gene Encoding the Herpesvirus Entry Receptor Nectin-1 (HveC) in Nervous Tissue of Adult Mouse. Virology, 2001, 287, 301-309.	1.1	56
43	Expanding the role of 3-O sulfated heparan sulfate in herpes simplex virus type-1 entry. Virology, 2010, 397, 389-398.	1.1	56
44	The Murine Homolog (Mph) of Human Herpesvirus Entry Protein B (HveB) Mediates Entry of Pseudorabies Virus but Not Herpes Simplex Virus Types 1 and 2. Journal of Virology, 1999, 73, 4493-4497.	1.5	55
45	A Role for Herpesvirus Entry Mediator as the Receptor for Herpes Simplex Virus 1 Entry into Primary Human Trabecular Meshwork Cells. Journal of Virology, 2005, 79, 13173-13179.	1.5	54
46	Glycoprotein targeted therapeutics: a new era of antiâ€herpes simplex virusâ€1 therapeutics. Reviews in Medical Virology, 2013, 23, 194-208.	3.9	54
47	Autophagy Stimulation Abrogates Herpes simplex Virus-1 Infection. Scientific Reports, 2015, 5, 9730.	1.6	53
48	Thiophene-Based Conjugated Polymers with Photolabile Solubilizing Side Chains. Macromolecules, 2015, 48, 959-966.	2.2	51
49	Viral Inhibition Studies on Sulfated Lignin, a Chemically Modified Biopolymer and a Potential Mimic of Heparan Sulfate. Biomacromolecules, 2007, 8, 1759-1763.	2.6	49
50	Role for nectinâ€1 in herpes simplex virusâ€ƒ1 entry and spread in human retinal pigment epithelial cells. FEBS Journal, 2008, 275, 5272-5285.	2.2	48
51	Phosphoinositide 3 kinase signalling may affect multiple steps during herpes simplex virus type-1 entry. Journal of General Virology, 2010, 91, 3002-3009.	1.3	48
52	Drug-encapsulated carbon (DECON): A novel platform for enhanced drug delivery. Science Advances, 2019, 5, eaax0780.	4.7	46
53	Vaccines and Therapies in Development for SARS-CoV-2 Infections. Journal of Clinical Medicine, 2020, 9, 1885.	1.0	46
54	Genital Herpes: Insights into Sexually Transmitted Infectious Disease. Microbial Cell, 2016, 3, 437-449.	1.4	45

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55	Role of Tunneling Nanotubes in Viral Infection, Neurodegenerative Disease, and Cancer. Frontiers in Immunology, 2021, 12, 680891.	2.2	45
56	Viral miRNAs Alter Host Cell miRNA Profiles and Modulate Innate Immune Responses. Frontiers in Immunology, 2018, 9, 433.	2.2	44
57	The 3- <i>O</i> -sulfation of heparan sulfate modulates protein binding and lyase degradation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	44
58	Tin Oxide Nanowires Suppress Herpes Simplex Virus-1 Entry and Cell-to-Cell Membrane Fusion. PLoS ONE, 2012, 7, e48147.	1.1	44
59	HSV-1 infection of human corneal epithelial cells: receptor-mediated entry and trends of re-infection. Molecular Vision, 2010, 16, 2476-86.	1.1	44
60	Recent advances in vaccine development for herpes simplex virus types I and II. Human Vaccines and Immunotherapeutics, 2013, 9, 729-735.	1.4	43
61	Diversity of Heparan Sulfate and HSV Entry: Basic Understanding and Treatment Strategies. Molecules, 2015, 20, 2707-2727.	1.7	42
62	Emerging Roles of Heparanase in Viral Pathogenesis. Pathogens, 2017, 6, 43.	1.2	42
63	Herpes simplex virus entry receptor nectin-1 is widely expressed in the murine eye. Current Eye Research, 2004, 29, 303-309.	0.7	41
64	An Intra-Vaginal Zinc Oxide Tetrapod Nanoparticles (ZOTEN) and Genital Herpesvirus Cocktail Can Provide a Novel Platform for Live Virus Vaccine. Frontiers in Immunology, 2019, 10, 500.	2.2	41
65	Targeting Herpes Simplex Virus-1 gD by a DNA Aptamer Can Be an Effective New Strategy to Curb Viral Infection. Molecular Therapy - Nucleic Acids, 2017, 9, 365-378.	2.3	40
66	Host Enzymes Heparanase and Cathepsin L Promote Herpes Simplex Virus 2 Release from Cells. Journal of Virology, 2018, 92, .	1.5	40
67	Extended Release of an Antiâ€"Heparan Sulfate Peptide From a Contact Lens Suppresses Corneal Herpes Simplex Virus-1 Infection. , 2016, 57, 169.		39
68	Soluble 3-O-sulfated heparan sulfate can trigger herpes simplex virus type 1 entry into resistant Chinese hamster ovary (CHO-K1) cells. Journal of General Virology, 2007, 88, 1075-1079.	1.3	38
69	Heparanase, cell signaling, and viral infections. Cellular and Molecular Life Sciences, 2020, 77, 5059-5077.	2.4	38
70	A sugar binding protein cyanovirin-N blocks herpes simplex virus type-1 entry and cell fusion. Antiviral Research, 2009, 84, 67-75.	1.9	37
71	A 3- <i>O</i> -Sulfated Heparan Sulfate Binding Peptide Preferentially Targets Herpes Simplex Virus 2-Infected Cells. Journal of Virology, 2012, 86, 6434-6443.	1.5	37
72	Mutations Leading to Altered CheA Binding Cluster on a Face of CheY. Journal of Biological Chemistry, 1995, 270, 24414-24419.	1.6	35

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73	Corneal latency and transmission of herpes simplex virus-1. Future Virology, 2011, 6, 101-108.	0.9	35
74	Basal Autophagy Is Required for Herpes simplex Virus-2 Infection. Scientific Reports, 2015, 5, 12985.	1.6	35
75	Heparanase, Heparan Sulfate and Viral Infection. Advances in Experimental Medicine and Biology, 2020, 1221, 759-770.	0.8	35
76	Portable sulphotransferase domain determines sequence specificity of heparan sulphate 3-O-sulphotransferases. Biochemical Journal, 2001, 359, 235-241.	1.7	34
77	Mediators and Mechanisms of Herpes Simplex Virus Entry into Ocular Cells. Current Eye Research, 2010, 35, 445-450.	0.7	34
78	Zebrafish: Modeling for Herpes Simplex Virus Infections. Zebrafish, 2014, 11, 17-25.	0.5	34
79	Herpesviruses and MicroRNAs: New Pathogenesis Factors in Oral Infection and Disease?. Frontiers in Immunology, 2018, 9, 2099.	2.2	34
80	OPTN is a host intrinsic restriction factor against neuroinvasive HSV-1 infection. Nature Communications, 2021, 12, 5401.	5.8	33
81	RITUXIMAB PENETRATES FULL-THICKNESS RETINA IN CONTRAST TO TISSUE PLASMINOGEN ACTIVATOR CONTROL. Retina, 2007, 27, 1071-1073.	1.0	31
82	Heparanase-Regulated Syndecan-1 Shedding Facilitates Herpes Simplex Virus 1 Egress. Journal of Virology, 2020, 94, .	1.5	31
83	Early Events in Herpes Simplex Virus Lifecycle with Implications for an Infection of Lifetime. The Open Virology Journal, 2012, 6, 1-6.	1.8	30
84	Flagellar Motor-switch Binding Face of CheY and the Biochemical Basis of Suppression by CheY Mutants That Compensate for Motor-switch Defects in Escherichia coli. Journal of Biological Chemistry, 1998, 273, 23993-23999.	1.6	29
85	Role of Nectin-1, HVEM, and PILR-Î± in HSV-2 Entry into Human Retinal Pigment Epithelial Cells. , 2009, 50, 2878.		29
86	Role of heparan sulfate in ocular diseases. Experimental Eye Research, 2013, 110, 1-9.	1.2	29
87	Cellular expression of gH confers resistance to herpes simplex virus type-1 entry. Virology, 2003, 312, 14-24.	1.1	28
88	Portable sulphotransferase domain determines sequence specificity of heparan sulphate 3-O-sulphotransferases. Biochemical Journal, 2001, 359, 235.	1.7	27
89	Exploiting Herpes Simplex Virus Entry for Novel Therapeutics. Viruses, 2013, 5, 1447-1465.	1.5	27
90	Corneal lymphangiogenesis in herpetic stromal keratitis. Survey of Ophthalmology, 2015, 60, 60-71.	1.7	27

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91	Effects of histatin-1 peptide on human corneal epithelial cells. PLoS ONE, 2017, 12, e0178030.	1.1	27
92	Structural Characterization of a Serendipitously Discovered Bioactive Macromolecule, Lignin Sulfate. Biomacromolecules, 2005, 6, 2822-2832.	2.6	25
93	A Novel Function of Heparan Sulfate in the Regulation of Cell-Cell Fusion. Journal of Biological Chemistry, 2009, 284, 29654-29665.	1.6	25
94	An Investigative Peptideâ€“Acyclovir Combination to Control Herpes Simplex Virus Type 1 Ocular Infection. , 2013, 54, 6373.		25
95	Antiviral Activity of Phytochemicals: A Current Perspective. , 2010, , 421-468.		25
96	Long-Term Outcomes and Prognostic Factors of Trabeculectomy following Intraocular Bevacizumab Injection for Neovascular Glaucoma. PLoS ONE, 2015, 10, e0135766.	1.1	24
97	Characterization of a Proteolytically Stable D-Peptide That Suppresses Herpes Simplex Virus 1 Infection: Implications for the Development of Entry-Based Antiviral Therapy. Journal of Virology, 2015, 89, 1932-1938.	1.5	24
98	An Important Role for Syndecan-1 in Herpes Simplex Virus Type-1 Induced Cell-to-Cell Fusion and Virus Spread. PLoS ONE, 2011, 6, e25252.	1.1	24
99	Immune Response to SARS-CoV-2 Vaccines. Biomedicines, 2022, 10, 1464.	1.4	24
100	Role of 3â€‹<i>O</i>â€‹sulfated heparan sulfate in virusâ€‹induced polykaryocyte formation. FEBS Letters, 2007, 581, 4468-4472.	1.3	23
101	Pathobiology and treatment of viral keratitis. Experimental Eye Research, 2021, 205, 108483.	1.2	23
102	Expression of Herpes Virus Entry Mediator (HVEM) in the Cornea and Trigeminal Ganglia of Normal and HSV-1 Infected Mice. Current Eye Research, 2009, 34, 896-904.	0.7	22
103	CRISPR-Cas based targeting of host and viral genes as an antiviral strategy. Seminars in Cell and Developmental Biology, 2019, 96, 53-64.	2.3	22
104	Herpes simplex virus type 2 entry into cultured human corneal fibroblasts is mediated by herpesvirus entry mediator. Journal of General Virology, 2007, 88, 2106-2110.	1.3	21
105	Nonprofessional Phagocytosis Can Facilitate Herpesvirus Entry into Ocular Cells. Clinical and Developmental Immunology, 2012, 2012, 1-8.	3.3	20
106	Herpesvirus-encoded microRNAs detected in human gingiva alter host cell transcriptome and regulate viral infection. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 497-508.	0.9	20
107	Bacterial Pigment Prodigiosin Demonstrates a Unique Antiherpesvirus Activity That Is Mediated through Inhibition of Prosurvival Signal Transducers. Journal of Virology, 2020, 94, .	1.5	20
108	Spinoculation of heparan sulfate deficient cells enhances HSV-1 entry, but does not abolish the need for essential glycoproteins in viral fusion. Journal of Virological Methods, 2005, 128, 104-112.	1.0	19

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109	Expression of Nectin-1 in Normal and Herpes Simplex Virus Type 1-Infected Murine Brain. Applied Immunohistochemistry and Molecular Morphology, 2006, 14, 341-347.	0.6	19
110	A Role for 3- <i>O</i> -Sulfated Heparan Sulfate in Promoting Human Cytomegalovirus Infection in Human Iris Cells. Journal of Virology, 2015, 89, 5185-5192.	1.5	18
111	Prior inhibition of AKT phosphorylation by BX795 can define a safer strategy to prevent herpes simplex virus-1 infection of the eye. Ocular Surface, 2020, 18, 221-230.	2.2	18
112	Histatin-1 Attenuates LPS-Induced Inflammatory Signaling in RAW264.7 Macrophages. International Journal of Molecular Sciences, 2021, 22, 7856.	1.8	18
113	Comprehensive Analysis of Herpes Simplex Virus 1 (HSV-1) Entry Mediated by Zebrafish 3- <i>O</i> -Sulfotransferase Isoforms: Implications for the Development of a Zebrafish Model of HSV-1 Infection. Journal of Virology, 2014, 88, 12915-12922.	1.5	17
114	Wound Healing Properties of Histatin-5 and Identification of a Functional Domain Required for Histatin-5-Induced Cell Migration. Molecular Therapy - Methods and Clinical Development, 2020, 17, 709-716.	1.8	17
115	Zebrafish 3-O-Sulfotransferase-4 Generated Heparan Sulfate Mediates HSV-1 Entry and Spread. PLoS ONE, 2014, 9, e87302.	1.1	16
116	Nectin-1 Expression in the Normal and Neoplastic Human Uterine Cervix. Archives of Pathology and Laboratory Medicine, 2006, 130, 1193-1195.	1.2	16
117	Inhibition of Myosin Light Chain Kinase Can be Targeted for the Development of New Therapies against Herpes Simplex Virus Type-1 Infection. Antiviral Therapy, 2014, 19, 15-29.	0.6	14
118	Disruption of innate defense responses by endoglycosidase HPSE promotes cell survival. JCI Insight, 2021, 6, .	2.3	14
119	Zinc oxide tetrapods inhibit herpes simplex virus infection of cultured corneas. Molecular Vision, 2017, 23, 26-38.	1.1	14
120	Herpes Simplex Virus-1 Fine-Tunes Hostâ€™s Autophagic Response to Infection: A Comprehensive Analysis in Productive Infection Models. PLoS ONE, 2015, 10, e0124646.	1.1	13
121	Nectin-1 (HveC) is expressed at high levels in neural subtypes that regulate radial migration of cortical and cerebellar neurons of the developing human and murine brain. Journal of NeuroVirology, 2008, 14, 164-172.	1.0	12
122	Chronic Progressive Deficits in Neuron Size, Density and Number in the Trigeminal Ganglia of Mice Latently Infected with Herpes Simplex Virus. Brain Pathology, 2011, 21, 583-593.	2.1	12
123	Contortrostatin, a Homodimeric Disintegrin Isolated from Snake Venom Inhibits Herpes Simplex Virus Entry and Cell Fusion. Antiviral Therapy, 2012, 17, 1319-1326.	0.6	12
124	Cultured corneas show dendritic spread and restrict herpes simplex virus infection that is not observed with cultured corneal cells. Scientific Reports, 2017, 7, 42559.	1.6	12
125	Standalone or combinatorial phenylbutyrate therapy shows excellent antiviral activity and mimics CREB3 silencing. Science Advances, 2020, 6, .	4.7	12
126	<i>In Vitro</i> and <i>In Vivo</i> Activity, Tolerability, and Mechanism of Action of BX795 as an Antiviral against Herpes Simplex Virus 2 Genital Infection. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	12

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127	Emerging Roles of Heparan Sulfate Proteoglycans in Viral Pathogenesis. Seminars in Thrombosis and Hemostasis, 2021, 47, 283-294.	1.5	12
128	COVID-19 and oral diseases: Assessing manifestations of a new pathogen in oral infections. International Reviews of Immunology, 2022, 41, 423-437.	1.5	12
129	Members of 3-O-Sulfotransferases (3-OST) Family: A Valuable Tool from Zebrafish to Humans for Understanding Herpes Simplex Virus Entry. The Open Virology Journal, 2013, 7, 5-11.	1.8	12
130	Role of Filopodia in HSV-1 Entry into Zebrafish 3-O-Sulfotransferase-3-Expressing Cells. The Open Virology Journal, 2013, 7, 41-48.	1.8	12
131	Zebrafish encoded 3-O-sulfotransferase-2 generated heparan sulfate serves as a receptor during HSV-1 entry and spread. Biochemical and Biophysical Research Communications, 2013, 432, 672-676.	1.0	11
132	Susceptibility of Human Iris Stromal Cells to Herpes Simplex Virus 1 Entry. Journal of Virology, 2013, 87, 4091-4096.	1.5	11
133	Herpes Simplex Virus 1 Infection Promotes the Growth of a Subpopulation of Tumor Cells in Three-Dimensional Uveal Melanoma Cultures. Journal of Virology, 2018, 92, .	1.5	11
134	Pharmaceutically Acceptable Carboxylic Acid-Terminated Polymers Show Activity and Selectivity against HSV-1 and HSV-2 and Synergy with Antiviral Drugs. ACS Infectious Diseases, 2020, 6, 2926-2937.	1.8	11
135	An unusual dependence of human herpesvirus-8 glycoproteins-induced cell-to-cell fusion on heparan sulfate. Biochemical and Biophysical Research Communications, 2009, 390, 382-387.	1.0	10
136	Liposome-Mediated Herpes Simplex Virus Uptake Is Glycoprotein-D Receptor-Independent but Requires Heparan Sulfate. Frontiers in Microbiology, 2016, 7, 973.	1.5	10
137	BX795 demonstrates potent antiviral benefits against herpes simplex Virus-1 infection of human cell lines. Antiviral Research, 2020, 180, 104814.	1.9	10
138	Implementation of COVID-19 Protocols and Tele-Triage in an Academic Ophthalmology Department. Journal of Academic Ophthalmology (2017), 2020, 12, e151-e158.	0.2	9
139	Latency Strategies of Alphaherpesviruses: Herpes Simplex Virus and Varicella-Zoster Virus Latency in Neurons. , 2007, , 1-36.		9
140	OPTN (optineurin)-mediated selective autophagy prevents neurodegeneration due to herpesvirus infection. Autophagy, 2022, 18, 944-945.	4.3	9
141	Protease, Growth Factor, and Heparanase-Mediated Syndecan-1 Shedding Leads to Enhanced HSV-1 Egress. Viruses, 2021, 13, 1748.	1.5	8
142	In silico prediction of cellular gene targets of herpesvirus encoded microRNAs. Data in Brief, 2018, 19, 249-255.	0.5	7
143	Dissociation of DNA damage sensing by endoglycosidase HPSE. IScience, 2021, 24, 102242.	1.9	7
144	Entry receptor bias in evolutionarily distant HSV-1 clinical strains drives divergent ocular and nervous system pathologies. Ocular Surface, 2021, 21, 238-249.	2.2	7

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145	Prophylactic treatment with BX795 blocks activation of AKT and its downstream targets to protect vaginal keratinocytes and vaginal epithelium from HSV-2 infection. Antiviral Research, 2021, 194, 105145.	1.9	7
146	Aptamers in Virologyâ€"A Consolidated Review of the Most Recent Advancements in Diagnosis and Therapy. Pharmaceutics, 2021, 13, 1646.	2.0	7
147	Could zinc oxide tetrapod nanoparticles be used as an effective immunotherapy against HSV-2?. Nanomedicine, 2016, 11, 2239-2242.	1.7	6
148	Histatinâ€1 is an endogenous ligand of the sigmaâ€2 receptor. FEBS Journal, 2021, 288, 6815-6827.	2.2	6
149	Heparan Sulfate Binding Cationic Peptides Restrict SARS-CoV-2 Entry. Pathogens, 2021, 10, 803.	1.2	5
150	Nanoengineered Antiviral Fibrous Arrays with Rose-Thorn-Inspired Architectures. , 2021, 3, 1566-1571.		5
151	BX795-Organic Acid Coevaporates: Evaluation of Solid-State Characteristics, In Vitro Cytocompatibility and In Vitro Activity against HSV-1 and HSV-2. Pharmaceutics, 2021, 13, 1920.	2.0	5
152	Intrinsic Antiviral Activity of Optineurin Prevents Hyperproliferation of a Primary Herpes Simplex Virus Type 2 Infection. Journal of Immunology, 2022, 208, 63-73.	0.4	5
153	The role of herpesviruses in ocular infections. Virus Adaptation and Treatment, 2010, , 115.	1.5	4
154	Increased axonal expression of nectin-1 in multiple sclerosis plaques. Neurological Sciences, 2013, 34, 465-469.	0.9	4
155	SARSâ€CoVâ€2 targeting by RNAi and host complement inhibition: A twoâ€pronged subterfuge for COVIDâ€19 treatment. Immunity, Inflammation and Disease, 2022, 10, 22-25.	1.3	4
156	Heparanase-Induced Activation of AKT Stabilizes Î²-Catenin and Modulates Wnt/Î²-Catenin Signaling during Herpes Simplex Virus 1 Infection. MBio, 2021, 12, e0279221.	1.8	4
157	Plasma Membrane-Derived Liposomes Exhibit Robust Antiviral Activity against HSV-1. Viruses, 2022, 14, 799.	1.5	4
158	INTRAVITREAL ALEMTUZUMAB PENETRATES FULL-THICKNESS RETINA IN RABBIT EYES. Retina, 2009, 29, 1532-1534.	1.0	3
159	mTORC2 confers neuroprotection and potentiates immunity during virus infection. Nature Communications, 2021, 12, 6020.	5.8	3
160	CREB3 Plays an Important Role in HPSE-Facilitated HSV-1 Release in Human Corneal Epithelial Cells. Viruses, 2022, 14, 1171.	1.5	3
161	Semaphorin 7a in Herpetic Neurotrophic Keratitis. Investigative Ophthalmology and Visual Science, 2015, 56, 1108-1108.	3.3	2
162	Porcine Corneal Tissue Explant to Study the Efficacy of Herpes Simplex Virus-1 Antivirals. Journal of Visualized Experiments, 2021, , .	0.2	2

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163	Optineurin in ocular herpes infection. Experimental Eye Research, 2022, 219, 109059.	1.2	2
164	Unraveling the cell entry mechanisms of HSV: therapeutic potential?. Future Virology, 2012, 7, 427-430.	0.9	1
165	Nanoparticles-Mediated Interventions to Prevent Herpes Simplex Virus (HSV) Entry into Susceptible Hosts. Nanotechnology in the Life Sciences, 2021, , 347-370.	0.4	1
166	Infection-Induced Porcine Ex Vivo Corneal Wound Model to Study the Efficacy of Herpes Simplex Virus-1 Entry and Replication Inhibitors. Methods in Molecular Biology, 2021, 2193, 183-196.	0.4	1
167	Safety, efficacy and delivery of multiple nucleoside analogs via drug encapsulated carbon (DECON) based sustained drug release platform. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 173, 150-159.	2.0	1
168	Viral entry mechanisms: simplicity drives complexity. FEBS Journal, 2009, 276, 7205-7205.	2.2	0
169	Authors' Response. Survey of Ophthalmology, 2013, 58, 287.	1.7	0
170	Human herpesvirus-encoded MicroRNA in host-pathogen interaction. Advances in Biological Regulation, 2021, 82, 100829.	1.4	0
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