Kate D Ryman

List of Publications by Year
in descending order

43 papers	3,265 citations	159525 30 h-index	254106 43 g-index
44 all docs	44 docs citations	44 times ranked	3618 citing authors

#	Article	IF	Citations
1	Gamma-interferon exerts a critical early restriction on replication and dissemination of yellow fever virus vaccine strain 17D-204. Npj Vaccines, 2018, 3, 5.	2.9	14
2	Interplay between Keratinocytes and Myeloid Cells Drives Dengue Virus Spread in Human Skin. Journal of Investigative Dermatology, 2018, 138, 618-626.	0.3	44
3	The Efficacy of the Interferon Alpha/Beta Response versus Arboviruses Is Temperature Dependent. MBio, 2018, 9, .	1.8	23
4	The Interferon-Induced Exonuclease ISG20 Exerts Antiviral Activity through Upregulation of Type I Interferon Response Proteins. MSphere, 2018, 3, .	1.3	49
5	Antibody Preparations from Human Transchromosomic Cows Exhibit Prophylactic and Therapeutic Efficacy against Venezuelan Equine Encephalitis Virus. Journal of Virology, 2017, 91, .	1.5	32
6	Electroporation of Alphavirus RNA Translational Reporters into Fibroblastic and Myeloid Cells as a Tool to Study the Innate Immune System. Methods in Molecular Biology, 2016, 1428, 127-137.	0.4	1
7	Insect-specific flavivirus infection is restricted by innate immunity in the vertebrate host. Virology, 2016, 497, 81-91.	1.1	18
8	Host translation shutoff mediated by non-structural protein 2 is a critical factor in the antiviral state resistance of Venezuelan equine encephalitis virus. Virology, 2016, 496, 147-165.	1.1	44
9	The 17D-204 Vaccine Strain-Induced Protection against Virulent Yellow Fever Virus Is Mediated by Humoral Immunity and CD4+ but not CD8+ T Cells. PLoS Pathogens, 2016, 12, e1005786.	2.1	57
10	Deliberate Attenuation of Chikungunya Virus by Adaptation to Heparan Sulfate-Dependent Infectivity: A Model for Rational Arboviral Vaccine Design. PLoS Neglected Tropical Diseases, 2014, 8, e2719.	1.3	78
11	Can understanding the virulence mechanisms of RNA viruses lead us to a vaccine against eastern equine encephalitis virus and other alphaviruses?. Expert Review of Vaccines, 2014, 13, 1423-1425.	2.0	11
12	Stable, High-Level Expression of Reporter Proteins from Improved Alphavirus Expression Vectors To Track Replication and Dissemination during Encephalitic and Arthritogenic Disease. Journal of Virology, 2014, 88, 2035-2046.	1.5	107
13	RNA viruses can hijack vertebrate microRNAs to suppress innate immunity. Nature, 2014, 506, 245-248.	13.7	195
14	In vivoimaging in an ABSL-3 regional biocontainment laboratory. Pathogens and Disease, 2014, 71, 207-212.	0.8	10
15	Closing the gap between viral and noninfectious arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5767-5768.	3.3	8
16	Mosquito Saliva Serine Protease Enhances Dissemination of Dengue Virus into the Mammalian Host. Journal of Virology, 2014, 88, 164-175.	1.5	125
17	Natural Variation in the Heparan Sulfate Binding Domain of the Eastern Equine Encephalitis Virus E2 Glycoprotein Alters Interactions with Cell Surfaces and Virulence in Mice. Journal of Virology, 2013, 87, 8582-8590.	1.5	44
18	Interferon-alpha/beta deficiency greatly exacerbates arthritogenic disease in mice infected with wild-type chikungunya virus but not with the cell culture-adapted live-attenuated 181/25 vaccine candidate. Virology, 2012, 425, 103-112.	1.1	93

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19	Heparan sulfate binding by natural eastern equine encephalitis viruses promotes neurovirulence. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16026-16031.	3.3	110
20	Yellow Fever: A Reemerging Threat. Clinics in Laboratory Medicine, 2010, 30, 237-260.	0.7	210
21	A Mouse Model for Studying Viscerotropic Disease Caused by Yellow Fever Virus Infection. PLoS Pathogens, 2009, 5, e1000614.	2.1	115
22	Similarities and Differences in Antagonism of Neuron Alpha/Beta Interferon Responses by Venezuelan Equine Encephalitis and Sindbis Alphaviruses. Journal of Virology, 2009, 83, 10036-10047.	1.5	56
23	Type I interferon induction is correlated with attenuation of a South American eastern equine encephalitis virus strain in mice. Virology, 2009, 390, 338-347.	1.1	38
24	Characteristics of alpha/beta interferon induction after infection of murine fibroblasts with wild-type and mutant alphaviruses. Virology, 2009, 395, 121-132.	1.1	56
25	Host responses to alphavirus infection. Immunological Reviews, 2008, 225, 27-45.	2.8	136
26	Eastern and Venezuelan Equine Encephalitis Viruses Differ in Their Ability To Infect Dendritic Cells and Macrophages: Impact of Altered Cell Tropism on Pathogenesis. Journal of Virology, 2008, 82, 10634-10646.	1.5	108
27	Alpha/Beta Interferon Inhibits Cap-Dependent Translation of Viral but Not Cellular mRNA by a PKR-Independent Mechanism. Journal of Virology, 2008, 82, 2620-2630.	1.5	31
28	Heparan Sulfate Binding Can Contribute to the Neurovirulence of Neuroadapted and Nonneuroadapted Sindbis Viruses. Journal of Virology, 2007, 81, 3563-3573.	1.5	67
29	Identification and Characterization of Interferon-Induced Proteins That Inhibit Alphavirus Replication. Journal of Virology, 2007, 81, 11246-11255.	1.5	217
30	Non-pathogenic Sindbis virus causes hemorrhagic fever in the absence of alpha/beta and gamma interferons. Virology, 2007, 368, 273-285.	1.1	41
31	Early restriction of alphavirus replication and dissemination contributes to age-dependent attenuation of systemic hyperinflammatory disease. Journal of General Virology, 2007, 88, 518-529.	1.3	22
32	Targeting Sindbis virus-based vectors to Fc receptor-positive cell types. Virology, 2005, 338, 9-21.	1.1	26
33	Attenuation of Sindbis virus variants incorporating uncleaved PE2 glycoprotein is correlated with attachment to cell-surface heparan sulfate. Virology, 2004, 322, 1-12.	1.1	18
34	Sindbis Virus Vectors Designed To Express a Foreign Protein as a Cleavable Component of the Viral Structural Polyprotein. Journal of Virology, 2003, 77, 5598-5606.	1.5	49
35	DC-SIGN and L-SIGN Can Act as Attachment Receptors for Alphaviruses and Distinguish between Mosquito Cell- and Mammalian Cell-Derived Viruses. Journal of Virology, 2003, 77, 12022-12032.	1.5	204
36	Effects of PKR/RNase L-Dependent and Alternative Antiviral Pathways on Alphavirus Replication and Pathogenesis. Viral Immunology, 2002, 15, 53-76.	0.6	83

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37	PE2 Cleavage Mutants of Sindbis Virus: Correlation between Viral Infectivity and pH-Dependent Membrane Fusion Activation of the Spike Heterodimer. Journal of Virology, 2001, 75, 11196-11204.	1.5	25
38	Alpha/Beta Interferon Protects Adult Mice from Fatal Sindbis Virus Infection and Is an Important Determinant of Cell and Tissue Tropism. Journal of Virology, 2000, 74, 3366-3378.	1.5	221
39	Molecular and Biological Changes Associated with HeLa Cell Attenuation of Wild-Type Yellow Fever Virus. Virology, 1999, 261, 309-318.	1.1	36
40	Mutation in a 17D-204 Vaccine Substrain-Specific Envelope Protein Epitope Alters the Pathogenesis of Yellow Fever Virus in Mice. Virology, 1998, 244, 59-65.	1.1	53
41	Adaptation of Sindbis Virus to BHK Cells Selects for Use of Heparan Sulfate as an Attachment Receptor. Journal of Virology, 1998, 72, 7357-7366.	1.5	354
42	Antigenic Variants of Yellow Fever Virus with an Altered Neurovirulence Phenotype in Mice. Virology, 1997, 230, 376-380.	1.1	33
43	Togaviruses. , 0, , 353-372.		2