

Kate D Ryman

List of Publications by Year in descending order

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43
papers

3,265
citations

159585

30
h-index

254184

43
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44
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docs citations

44
times ranked

3618
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation of Sindbis Virus to BHK Cells Selects for Use of Heparan Sulfate as an Attachment Receptor. <i>Journal of Virology</i> , 1998, 72, 7357-7366.	3.4	354
2	Alpha/Beta Interferon Protects Adult Mice from Fatal Sindbis Virus Infection and Is an Important Determinant of Cell and Tissue Tropism. <i>Journal of Virology</i> , 2000, 74, 3366-3378.	3.4	221
3	Identification and Characterization of Interferon-Induced Proteins That Inhibit Alphavirus Replication. <i>Journal of Virology</i> , 2007, 81, 11246-11255.	3.4	217
4	Yellow Fever: A Reemerging Threat. <i>Clinics in Laboratory Medicine</i> , 2010, 30, 237-260.	1.4	210
5	DC-SIGN and L-SIGN Can Act as Attachment Receptors for Alphaviruses and Distinguish between Mosquito Cell- and Mammalian Cell-Derived Viruses. <i>Journal of Virology</i> , 2003, 77, 12022-12032.	3.4	204
6	RNA viruses can hijack vertebrate microRNAs to suppress innate immunity. <i>Nature</i> , 2014, 506, 245-248.	27.8	195
7	Host responses to alphavirus infection. <i>Immunological Reviews</i> , 2008, 225, 27-45.	6.0	136
8	Mosquito Saliva Serine Protease Enhances Dissemination of Dengue Virus into the Mammalian Host. <i>Journal of Virology</i> , 2014, 88, 164-175.	3.4	125
9	A Mouse Model for Studying Viscerotropic Disease Caused by Yellow Fever Virus Infection. <i>PLoS Pathogens</i> , 2009, 5, e1000614.	4.7	115
10	Heparan sulfate binding by natural eastern equine encephalitis viruses promotes neurovirulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16026-16031.	7.1	110
11	Eastern and Venezuelan Equine Encephalitis Viruses Differ in Their Ability To Infect Dendritic Cells and Macrophages: Impact of Altered Cell Tropism on Pathogenesis. <i>Journal of Virology</i> , 2008, 82, 10634-10646.	3.4	108
12	Stable, High-Level Expression of Reporter Proteins from Improved Alphavirus Expression Vectors To Track Replication and Dissemination during Encephalitic and Arthritogenic Disease. <i>Journal of Virology</i> , 2014, 88, 2035-2046.	3.4	107
13	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. <i>Virology</i> , 2012, 425, 103-112.	2.4	93
14	Effects of PKR/RNase L-Dependent and Alternative Antiviral Pathways on Alphavirus Replication and Pathogenesis. <i>Viral Immunology</i> , 2002, 15, 53-76.	1.3	83
15	Deliberate Attenuation of Chikungunya Virus by Adaptation to Heparan Sulfate-Dependent Infectivity: A Model for Rational Arboviral Vaccine Design. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2719.	3.0	78
16	Heparan Sulfate Binding Can Contribute to the Neurovirulence of Neuroadapted and Nonneuroadapted Sindbis Viruses. <i>Journal of Virology</i> , 2007, 81, 3563-3573.	3.4	67
17	The 17D-204 Vaccine Strain-Induced Protection against Virulent Yellow Fever Virus Is Mediated by Humoral Immunity and CD4+ but not CD8+ T Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005786.	4.7	57
18	Similarities and Differences in Antagonism of Neuron Alpha/Beta Interferon Responses by Venezuelan Equine Encephalitis and Sindbis Alphaviruses. <i>Journal of Virology</i> , 2009, 83, 10036-10047.	3.4	56

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19	Characteristics of alpha/beta interferon induction after infection of murine fibroblasts with wild-type and mutant alphaviruses. <i>Virology</i> , 2009, 395, 121-132.	2.4	56
20	Mutation in a 17D-204 Vaccine Substrain-Specific Envelope Protein Epitope Alters the Pathogenesis of Yellow Fever Virus in Mice. <i>Virology</i> , 1998, 244, 59-65.	2.4	53
21	Sindbis Virus Vectors Designed To Express a Foreign Protein as a Cleavable Component of the Viral Structural Polyprotein. <i>Journal of Virology</i> , 2003, 77, 5598-5606.	3.4	49
22	The Interferon-Induced Exonuclease ISG20 Exerts Antiviral Activity through Upregulation of Type I Interferon Response Proteins. <i>MSphere</i> , 2018, 3, .	2.9	49
23	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. <i>Journal of Virology</i> , 2013, 87, 8582-8590.	3.4	44
24	Host translation shutoff mediated by non-structural protein 2 is a critical factor in the antiviral state resistance of Venezuelan equine encephalitis virus. <i>Virology</i> , 2016, 496, 147-165.	2.4	44
25	Interplay between Keratinocytes and Myeloid Cells Drives Dengue Virus Spread in Human Skin. <i>Journal of Investigative Dermatology</i> , 2018, 138, 618-626.	0.7	44
26	Non-pathogenic Sindbis virus causes hemorrhagic fever in the absence of alpha/beta and gamma interferons. <i>Virology</i> , 2007, 368, 273-285.	2.4	41
27	Type I interferon induction is correlated with attenuation of a South American eastern equine encephalitis virus strain in mice. <i>Virology</i> , 2009, 390, 338-347.	2.4	38
28	Molecular and Biological Changes Associated with HeLa Cell Attenuation of Wild-Type Yellow Fever Virus. <i>Virology</i> , 1999, 261, 309-318.	2.4	36
29	Antigenic Variants of Yellow Fever Virus with an Altered Neurovirulence Phenotype in Mice. <i>Virology</i> , 1997, 230, 376-380.	2.4	33
30	Antibody Preparations from Human Transchromosomal Cows Exhibit Prophylactic and Therapeutic Efficacy against Venezuelan Equine Encephalitis Virus. <i>Journal of Virology</i> , 2017, 91, .	3.4	32
31	Alpha/Beta Interferon Inhibits Cap-Dependent Translation of Viral but Not Cellular mRNA by a PKR-Independent Mechanism. <i>Journal of Virology</i> , 2008, 82, 2620-2630.	3.4	31
32	Targeting Sindbis virus-based vectors to Fc receptor-positive cell types. <i>Virology</i> , 2005, 338, 9-21.	2.4	26
33	PE2 Cleavage Mutants of Sindbis Virus: Correlation between Viral Infectivity and pH-Dependent Membrane Fusion Activation of the Spike Heterodimer. <i>Journal of Virology</i> , 2001, 75, 11196-11204.	3.4	25
34	The Efficacy of the Interferon Alpha/Beta Response versus Arboviruses Is Temperature Dependent. <i>MBio</i> , 2018, 9, .	4.1	23
35	Early restriction of alphavirus replication and dissemination contributes to age-dependent attenuation of systemic hyperinflammatory disease. <i>Journal of General Virology</i> , 2007, 88, 518-529.	2.9	22
36	Attenuation of Sindbis virus variants incorporating uncleaved PE2 glycoprotein is correlated with attachment to cell-surface heparan sulfate. <i>Virology</i> , 2004, 322, 1-12.	2.4	18

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37	Insect-specific flavivirus infection is restricted by innate immunity in the vertebrate host. <i>Virology</i> , 2016, 497, 81-91.	2.4	18
38	Gamma-interferon exerts a critical early restriction on replication and dissemination of yellow fever virus vaccine strain 17D-204. <i>Npj Vaccines</i> , 2018, 3, 5.	6.0	14
39	Can understanding the virulence mechanisms of RNA viruses lead us to a vaccine against eastern equine encephalitis virus and other alphaviruses?. <i>Expert Review of Vaccines</i> , 2014, 13, 1423-1425.	4.4	11
40	In vivo imaging in an ABSL-3 regional biocontainment laboratory. <i>Pathogens and Disease</i> , 2014, 71, 207-212.	2.0	10
41	Closing the gap between viral and noninfectious arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5767-5768.	7.1	8
42	<i>Togaviruses.</i> , 0, , 353-372.		2
43	Electroporation of Alphavirus RNA Translational Reporters into Fibroblastic and Myeloid Cells as a Tool to Study the Innate Immune System. <i>Methods in Molecular Biology</i> , 2016, 1428, 127-137.	0.9	1