

Jonathan S Towner

List of Publications by Year in descending order

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87
papers

9,683
citations

38742

50
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48315

88
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88
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docs citations

88
times ranked

8306
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation of Genetically Diverse Marburg Viruses from Egyptian Fruit Bats. <i>PLoS Pathogens</i> , 2009, 5, e1000536.	4.7	549
2	Rapid Diagnosis of Ebola Hemorrhagic Fever by Reverse Transcription-PCR in an Outbreak Setting and Assessment of Patient Viral Load as a Predictor of Outcome. <i>Journal of Virology</i> , 2004, 78, 4330-4341.	3.4	457
3	Newly Discovered Ebola Virus Associated with Hemorrhagic Fever Outbreak in Uganda. <i>PLoS Pathogens</i> , 2008, 4, e1000212.	4.7	455
4	Assessment of the Risk of Ebola Virus Transmission from Bodily Fluids and Fomites. <i>Journal of Infectious Diseases</i> , 2007, 196, S142-S147.	4.0	440
5	Taxonomy of the order Mononegavirales: update 2016. <i>Archives of Virology</i> , 2016, 161, 2351-2360.	2.1	407
6	Discovery of Swine as a Host for the Reston ebolavirus. <i>Science</i> , 2009, 325, 204-206.	12.6	346
7	Marburg Virus Infection Detected in a Common African Bat. <i>PLoS ONE</i> , 2007, 2, e764.	2.5	330
8	Seasonal Pulses of Marburg Virus Circulation in Juvenile <i>Rousettus aegyptiacus</i> Bats Coincide with Periods of Increased Risk of Human Infection. <i>PLoS Pathogens</i> , 2012, 8, e1002877.	4.7	330
9	Clinical Care of Two Patients with Ebola Virus Disease in the United States. <i>New England Journal of Medicine</i> , 2014, 371, 2402-2409.	27.0	310
10	Panmicrobial Oligonucleotide Array for Diagnosis of Infectious Diseases. <i>Emerging Infectious Diseases</i> , 2007, 13, 73-81.	4.3	298
11	Marburgvirus Genomics and Association with a Large Hemorrhagic Fever Outbreak in Angola. <i>Journal of Virology</i> , 2006, 80, 6497-6516.	3.4	283
12	Large serological survey showing cocirculation of Ebola and Marburg viruses in Gabonese bat populations, and a high seroprevalence of both viruses in <i>Rousettus aegyptiacus</i> . <i>BMC Infectious Diseases</i> , 2009, 9, 159.	2.9	242
13	Taxonomy of the order Mononegavirales: update 2019. <i>Archives of Virology</i> , 2019, 164, 1967-1980.	2.1	224
14	The Egyptian Rousette Genome Reveals Unexpected Features of Bat Antiviral Immunity. <i>Cell</i> , 2018, 173, 1098-1110.e18.	28.9	220
15	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2020, 165, 3023-3072.	2.1	184
16	Taxonomy of the order Mononegavirales: update 2017. <i>Archives of Virology</i> , 2017, 162, 2493-2504.	2.1	173
17	Generation of eGFP expressing recombinant Zaire ebolavirus for analysis of early pathogenesis events and high-throughput antiviral drug screening. <i>Virology</i> , 2005, 332, 20-27.	2.4	166
18	ORAL SHEDDING OF MARBURG VIRUS IN EXPERIMENTALLY INFECTED EGYPTIAN FRUIT BATS (<i>ROUSETTUS</i>)	0.8	153

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19	Taxonomy of the order Mononegavirales: update 2018. <i>Archives of Virology</i> , 2018, 163, 2283-2294.	2.1	153
20	Determinants of Membrane Association for Poliovirus Protein 3AB. <i>Journal of Biological Chemistry</i> , 1996, 271, 26810-26818.	3.4	138
21	Molecular Evolution of Viruses of the Family Filoviridae Based on 97 Whole-Genome Sequences. <i>Journal of Virology</i> , 2013, 87, 2608-2616.	3.4	138
22	Ebola and Marburg Hemorrhagic Fever. <i>Clinics in Laboratory Medicine</i> , 2010, 30, 161-177.	1.4	133
23	A C-terminal basic amino acid motif of Zaire ebolavirus VP35 is essential for type I interferon antagonism and displays high identity with the RNA-binding domain of another interferon antagonist, the NS1 protein of influenza A virus. <i>Virology</i> , 2004, 328, 177-184.	2.4	130
24	Inhibition of IRF-3 Activation by VP35 Is Critical for the High Level of Virulence of Ebola Virus. <i>Journal of Virology</i> , 2008, 82, 2699-2704.	3.4	130
25	Perspectives on West Africa Ebola Virus Disease Outbreak, 2013–2016. <i>Emerging Infectious Diseases</i> , 2016, 22, 956-963.	4.3	127
26	Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. <i>PLoS Pathogens</i> , 2020, 16, e1008758.	4.7	127
27	Experimental Inoculation of Egyptian Rousette Bats (<i>Rousettus aegyptiacus</i>) with Viruses of the Ebolavirus and Marburgvirus Genera. <i>Viruses</i> , 2015, 7, 3420-3442.	3.3	121
28	Proportion of Deaths and Clinical Features in Bundibugyo Ebola Virus Infection, Uganda. <i>Emerging Infectious Diseases</i> , 2010, 16, 1969-1972.	4.3	118
29	Multiple Virus Lineages Sharing Recent Common Ancestry Were Associated with a Large Rift Valley Fever Outbreak among Livestock in Kenya during 2006-2007. <i>Journal of Virology</i> , 2008, 82, 11152-11166.	3.4	116
30	Conserved Receptor-binding Domains of Lake Victoria Marburgvirus and Zaire Ebolavirus Bind a Common Receptor. <i>Journal of Biological Chemistry</i> , 2006, 281, 15951-15958.	3.4	115
31	Virus nomenclature below the species level: a standardized nomenclature for natural variants of viruses assigned to the family Filoviridae. <i>Archives of Virology</i> , 2013, 158, 301-311.	2.1	99
32	Marburgvirus Resurgence in Kitaka Mine Bat Population after Extermination Attempts, Uganda. <i>Emerging Infectious Diseases</i> , 2014, 20, 1761-1764.	4.3	97
33	Development of a TaqMan Array Card for Acute-Febrile-Illness Outbreak Investigation and Surveillance of Emerging Pathogens, Including Ebola Virus. <i>Journal of Clinical Microbiology</i> , 2016, 54, 49-58.	3.9	95
34	Reverse Genetic Generation of Recombinant Zaire Ebola Viruses Containing Disrupted IRF-3 Inhibitory Domains Results in Attenuated Virus Growth In Vitro and Higher Levels of IRF-3 Activation without Inhibiting Viral Transcription or Replication. <i>Journal of Virology</i> , 2006, 80, 6430-6440.	3.4	93
35	Modelling filovirus maintenance in nature by experimental transmission of Marburg virus between Egyptian rousette bats. <i>Nature Communications</i> , 2017, 8, 14446.	12.8	86
36	Discussions and decisions of the 2012–2014 International Committee on Taxonomy of Viruses (ICTV) Filoviridae Study Group, January 2012–June 2013. <i>Archives of Virology</i> , 2014, 159, 821-830.	2.1	85

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37	Nomenclature- and Database-Compatible Names for the Two Ebola Virus Variants that Emerged in Guinea and the Democratic Republic of the Congo in 2014. <i>Viruses</i> , 2014, 6, 4760-4799.	3.3	83
38	Ball Python Nidovirus: a Candidate Etiologic Agent for Severe Respiratory Disease in Python regius. <i>MBio</i> , 2014, 5, e01484-14.	4.1	82
39	Detection of Nipah Virus RNA in Fruit Bat (<i>Pteropus giganteus</i>) from India. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012, 87, 576-578.	1.4	80
40	Persistent Infection with Ebola Virus under Conditions of Partial Immunity. <i>Journal of Virology</i> , 2004, 78, 958-967.	3.4	79
41	Biomarker Correlates of Survival in Pediatric Patients with Ebola Virus Disease. <i>Emerging Infectious Diseases</i> , 2014, 20, 1683-90.	4.3	79
42	ICTV Virus Taxonomy Profile: Filoviridae. <i>Journal of General Virology</i> , 2019, 100, 911-912.	2.9	78
43	Taxonomy of the order Mononegavirales: second update 2018. <i>Archives of Virology</i> , 2019, 164, 1233-1244.	2.1	70
44	Isolation of Angola-like Marburg virus from Egyptian rousette bats from West Africa. <i>Nature Communications</i> , 2020, 11, 510.	12.8	66
45	High-throughput, luciferase-based reverse genetics systems for identifying inhibitors of Marburg and Ebola viruses. <i>Antiviral Research</i> , 2014, 106, 86-94.	4.1	65
46	Implication of a retrovirus-like glycoprotein peptide in the immunopathogenesis of Ebola and Marburg viruses. <i>FASEB Journal</i> , 2006, 20, 2519-2530.	0.5	64
47	Rescue of Defective Poliovirus RNA Replication by 3AB-Containing Precursor Polyproteins. <i>Journal of Virology</i> , 1998, 72, 7191-7200.	3.4	63
48	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021, 166, 3513-3566.	2.1	62
49	Virus nomenclature below the species level: a standardized nomenclature for filovirus strains and variants rescued from cDNA. <i>Archives of Virology</i> , 2014, 159, 1229-37.	2.1	59
50	A Recently Discovered Pathogenic Paramyxovirus, Sosuga Virus, is Present in <i>Rousettus aegyptiacus</i> Fruit Bats at Multiple Locations in Uganda. <i>Journal of Wildlife Diseases</i> , 2015, 51, 774-779.	0.8	59
51	Egyptian rousette bats maintain long-term protective immunity against Marburg virus infection despite diminished antibody levels. <i>Scientific Reports</i> , 2017, 7, 8763.	3.3	55
52	Virus nomenclature below the species level: a standardized nomenclature for laboratory animal-adapted strains and variants of viruses assigned to the family Filoviridae. <i>Archives of Virology</i> , 2013, 158, 1425-1432.	2.1	54
53	Novel Paramyxovirus Associated with Severe Acute Febrile Disease, South Sudan and Uganda, 2012. <i>Emerging Infectious Diseases</i> , 2014, 20, 211-216.	4.3	54
54	Prognostic Indicators for Ebola Patient Survival. <i>Emerging Infectious Diseases</i> , 2016, 22, 217-223.	4.3	53

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55	Asymptomatic Infection of Marburg Virus Reservoir Bats Is Explained by a Strategy of Immunoprotective Disease Tolerance. <i>Current Biology</i> , 2021, 31, 257-270.e5.	3.9	51
56	Filovirus RefSeq Entries: Evaluation and Selection of Filovirus Type Variants, Type Sequences, and Names. <i>Viruses</i> , 2014, 6, 3663-3682.	3.3	49
57	Rapid Molecular Strategy for Filovirus Detection and Characterization. <i>Journal of Clinical Microbiology</i> , 2007, 45, 224-226.	3.9	45
58	Development of a reverse genetics system to generate a recombinant Ebola virus Makona expressing a green fluorescent protein. <i>Virology</i> , 2015, 484, 259-264.	2.4	45
59	Identification of two amino acid residues on Ebola virus glycoprotein 1 critical for cell entry. <i>Virus Research</i> , 2006, 121, 205-214.	2.2	42
60	Development of a reverse genetics system to generate recombinant Marburg virus derived from a bat isolate. <i>Virology</i> , 2013, 446, 230-237.	2.4	42
61	De novo transcriptome reconstruction and annotation of the Egyptian rousette bat. <i>BMC Genomics</i> , 2015, 16, 1033.	2.8	42
62	Novel activities by ebolavirus and marburgvirus interferon antagonists revealed using a standardized in vitro reporter system. <i>Virology</i> , 2017, 501, 147-165.	2.4	38
63	Clinical, Histopathologic, and Immunohistochemical Characterization of Experimental Marburg Virus Infection in A Natural Reservoir Host, the Egyptian Rousette Bat (<i>Rousettus aegyptiacus</i>). <i>Viruses</i> , 2019, 11, 214.	3.3	31
64	Ebola Virus Diagnostics: The US Centers for Disease Control and Prevention Laboratory in Sierra Leone, August 2014 to March 2015. <i>Journal of Infectious Diseases</i> , 2015, 212, S350-S358.	4.0	30
65	Neutralizing antibodies against flaviviruses, Babanki virus, and Rift Valley fever virus in Ugandan bats. <i>Infection Ecology and Epidemiology</i> , 2018, 8, 1439215.	0.8	28
66	Antibody-Mediated Virus Neutralization Is Not a Universal Mechanism of Marburg, Ebola, or Sosuga Virus Clearance in Egyptian Rousette Bats. <i>Journal of Infectious Diseases</i> , 2019, 219, 1716-1721.	4.0	28
67	Transmission Ecology of Sin Nombre Hantavirus in Naturally Infected North American Deermouse Populations in Outdoor Enclosures. <i>PLoS ONE</i> , 2012, 7, e47731.	2.5	25
68	Transcriptomics Reveal Antiviral Gene Induction in the Egyptian Rousette Bat Is Antagonized In Vitro by Marburg Virus Infection. <i>Viruses</i> , 2018, 10, 607.	3.3	24
69	Reidentification of Ebola Virus E718 and ME as Ebola Virus/H.sapiens-tc/COD/1976/Yambuku-Ecran. <i>Genome Announcements</i> , 2014, 2, .	0.8	22
70	Ecology of Filoviruses. <i>Current Topics in Microbiology and Immunology</i> , 2017, 411, 23-61.	1.1	22
71	Implementation of Objective PASC-Derived Taxon Demarcation Criteria for Official Classification of Filoviruses. <i>Viruses</i> , 2017, 9, 106.	3.3	22
72	Recombinant Marburg viruses containing mutations in the IID region of VP35 prevent inhibition of Host immune responses. <i>Virology</i> , 2015, 476, 85-91.	2.4	21

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73	Rousette Bat Dendritic Cells Overcome Marburg Virus-Mediated Antiviral Responses by Upregulation of Interferon-Related Genes While Downregulating Proinflammatory Disease Mediators. <i>MSphere</i> , 2019, 4, .	2.9	20
74	Marburg Virus Persistence on Fruit as a Plausible Route of Bat to Primate Filovirus Transmission. <i>Viruses</i> , 2021, 13, 2394.	3.3	20
75	Filoviruses and bats. <i>Microbiology Australia</i> , 2017, 38, 12.	0.4	19
76	Von Willebrand Factor Is Elevated in Individuals Infected with Sudan Virus and Is Associated with Adverse Clinical Outcomes. <i>Viral Immunology</i> , 2015, 28, 71-73.	1.3	18
77	Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. <i>Systematic Biology</i> , 2016, 66, syw096.	5.6	17
78	Discovery and Characterization of Bukakata orbivirus (Reoviridae:Orbivirus), a Novel Virus from a Ugandan Bat. <i>Viruses</i> , 2019, 11, 209.	3.3	17
79	Increased Detection of Sin Nombre Hantavirus RNA in Antibody-Positive Deer Mice from Montana, USA: Evidence of Male Bias in RNA Viremia. <i>Viruses</i> , 2013, 5, 2320-2328.	3.3	14
80	No evidence for the involvement of the argasid tick <i>Ornithodoros faini</i> in the enzootic maintenance of marburgvirus within Egyptian rousette bats <i>Rousettus aegyptiacus</i> . <i>Parasites and Vectors</i> , 2016, 9, 128.	2.5	14
81	Experimental infection of Egyptian rousette bats (<i>Rousettus aegyptiacus</i>) with Sosuga virus demonstrates potential transmission routes for a bat-borne human pathogenic paramyxovirus. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008092.	3.0	14
82	Comparative analysis of serologic cross-reactivity using convalescent sera from filovirus-experimentally infected fruit bats. <i>Scientific Reports</i> , 2019, 9, 6707.	3.3	13
83	Human-Pathogenic Kasokero Virus in Field-Collected Ticks. <i>Emerging Infectious Diseases</i> , 2020, 26, 2944-2950.	4.3	8
84	An Opportunistic Survey Reveals an Unexpected Coronavirus Diversity Hotspot in North America. <i>Viruses</i> , 2021, 13, 2016.	3.3	8
85	Subgenomic flavivirus RNA (sfRNA) associated with Asian lineage Zika virus identified in three species of Ugandan bats (family Pteropodidae). <i>Scientific Reports</i> , 2021, 11, 8370.	3.3	4
86	Ebola Virus Field Sample Collection. <i>Methods in Molecular Biology</i> , 2017, 1628, 373-393.	0.9	4
87	Histopathologic and Immunohistochemical Evaluation of Induced Lesions, Tissue Tropism and Host Responses following Experimental Infection of Egyptian Rousette Bats (<i>Rousettus aegyptiacus</i>) with the Zoonotic Paramyxovirus, Sosuga Virus. <i>Viruses</i> , 2022, 14, 1278.	3.3	4