

Douglas S Reed

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,977
citations

159585

30
h-index

133252

59
g-index

85
all docs

85
docs citations

85
times ranked

5478
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal models for COVID-19. <i>Nature</i> , 2020, 586, 509-515.	27.8	705
2	Pathogenesis of Ebola Hemorrhagic Fever in Cynomolgus Macaques. <i>American Journal of Pathology</i> , 2003, 163, 2347-2370.	3.8	543
3	Vesicular stomatitis virus-based vaccines protect nonhuman primates against aerosol challenge with Ebola and Marburg viruses. <i>Vaccine</i> , 2008, 26, 6894-6900.	3.8	179
4	Depletion of Peripheral Blood T Lymphocytes and NK Cells During the Course of Ebola Hemorrhagic Fever in Cynomolgus Macaques. <i>Viral Immunology</i> , 2004, 17, 390-400.	1.3	151
5	SARS-CoV-2 growth, furin-cleavage-site adaptation and neutralization using serum from acutely infected hospitalized COVID-19 patients. <i>Journal of General Virology</i> , 2020, 101, 1156-1169.	2.9	131
6	Inhalable Nanobody (PiN-21) prevents and treats SARS-CoV-2 infections in Syrian hamsters at ultra-low doses. <i>Science Advances</i> , 2021, 7, .	10.3	113
7	Generation of mucosal cytotoxic T cells against soluble protein by tissue-specific environmental and costimulatory signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10814-10819.	7.1	112
8	SARS-CoV-2 infection of African green monkeys results in mild respiratory disease discernible by PET/CT imaging and shedding of infectious virus from both respiratory and gastrointestinal tracts. <i>PLoS Pathogens</i> , 2020, 16, e1008903.	4.7	110
9	Aerosol Exposure to Western Equine Encephalitis Virus Causes Fever and Encephalitis in Cynomolgus Macaques. <i>Journal of Infectious Diseases</i> , 2005, 192, 1173-1182.	4.0	85
10	Aerosol exposure to Zaire ebolavirus in three nonhuman primate species: differences in disease course and clinical pathology. <i>Microbes and Infection</i> , 2011, 13, 930-936.	1.9	84
11	The temporal program of peripheral blood gene expression in the response of nonhuman primates to Ebola hemorrhagic fever. <i>Genome Biology</i> , 2007, 8, R174.	9.6	80
12	Aerosol Exposure to the Angola Strain of Marburg Virus Causes Lethal Viral Hemorrhagic Fever in Cynomolgus Macaques. <i>Veterinary Pathology</i> , 2010, 47, 831-851.	1.7	78
13	Marburg and Ebola Viruses as Aerosol Threats. <i>Biosecurity and Bioterrorism</i> , 2004, 2, 186-191.	1.2	76
14	Genetically engineered, live, attenuated vaccines protect nonhuman primates against aerosol challenge with a virulent IE strain of Venezuelan equine encephalitis virus. <i>Vaccine</i> , 2005, 23, 3139-3147.	3.8	73
15	Broad Spectrum Antiviral Activity of Favipiravir (T-705): Protection from Highly Lethal Inhalational Rift Valley Fever. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2790.	3.0	71
16	Aerosolized Rift Valley Fever Virus Causes Fatal Encephalitis in African Green Monkeys and Common Marmosets. <i>Journal of Virology</i> , 2014, 88, 2235-2245.	3.4	66
17	Aerosol Infection of Cynomolgus Macaques with Enzoootic Strains of Venezuelan Equine Encephalitis Viruses. <i>Journal of Infectious Diseases</i> , 2004, 189, 1013-1017.	4.0	62
18	Advances and gaps in SARS-CoV-2 infection models. <i>PLoS Pathogens</i> , 2022, 18, e1010161.	4.7	61

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19	Severe Encephalitis in Cynomolgus Macaques Exposed to Aerosolized Eastern Equine Encephalitis Virus. <i>Journal of Infectious Diseases</i> , 2007, 196, 441-450.	4.0	60
20	Combined Alphavirus Replicon Particle Vaccine Induces Durable and Cross-Protective Immune Responses against Equine Encephalitis Viruses. <i>Journal of Virology</i> , 2014, 88, 12077-12086.	3.4	49
21	Status and challenges of filovirus vaccines. <i>Vaccine</i> , 2007, 25, 1923-1934.	3.8	47
22	Protective antibodies against Eastern equine encephalitis virus bind to epitopes in domains A and B of the E2 glycoprotein. <i>Nature Microbiology</i> , 2019, 4, 187-197.	13.3	45
23	Cellular Immune Response to Marburg Virus Infection in Cynomolgus Macaques. <i>Viral Immunology</i> , 2008, 21, 355-364.	1.3	43
24	Immunogenicity and protective efficacy of a DNA vaccine against Venezuelan equine encephalitis virus aerosol challenge in nonhuman primates. <i>Vaccine</i> , 2010, 28, 7345-7350.	3.8	43
25	Pathogenesis of aerosolized Eastern Equine Encephalitis virus infection in guinea pigs. <i>Virology Journal</i> , 2009, 6, 170.	3.4	41
26	Choice of inbred rat strain impacts lethality and disease course after respiratory infection with Rift Valley Fever Virus. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012, 2, 105.	3.9	40
27	Widespread Virus Replication in Alveoli Drives Acute Respiratory Distress Syndrome in Aerosolized H5N1 Influenza Infection of Macaques. <i>Journal of Immunology</i> , 2017, 198, 1616-1626.	0.8	40
28	Identification of a Surrogate Marker for Infection in the African Green Monkey Model of Inhalation Anthrax. <i>Infection and Immunity</i> , 2008, 76, 5790-5801.	2.2	36
29	Ribbon scanning confocal for high-speed high-resolution volume imaging of brain. <i>PLoS ONE</i> , 2017, 12, e0180486.	2.5	33
30	Andes Virus Infection of Cynomolgus Macaques. <i>Journal of Infectious Diseases</i> , 2002, 186, 1706-1712.	4.0	32
31	Aerobiology and Inhalation Exposure to Biological Select Agents and Toxins. <i>Veterinary Pathology</i> , 2010, 47, 779-789.	1.7	32
32	Live Attenuated Mutants of <i>Francisella tularensis</i> Protect Rabbits against Aerosol Challenge with a Virulent Type A Strain. <i>Infection and Immunity</i> , 2014, 82, 2098-2105.	2.2	32
33	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
34	Differential Growth of <i>Francisella tularensis</i> , Which Alters Expression of Virulence Factors, Dominant Antigens, and Surface-Carbohydrate Synthases, Governs the Apparent Virulence of Ft SchuS4 to Immunized Animals. <i>Frontiers in Microbiology</i> , 2017, 8, 1158.	3.5	32
35	Growth conditions and environmental factors impact aerosolization but not virulence of <i>Francisella tularensis</i> infection in mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012, 2, 126.	3.9	31
36	Peripheral Blood Biomarkers of Disease Outcome in a Monkey Model of Rift Valley Fever Encephalitis. <i>Journal of Virology</i> , 2018, 92, .	3.4	30

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37	A Vibrating Mesh Nebulizer as an Alternative to the Collison Three-Jet Nebulizer for Infectious Disease Aerobiology. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	29
38	Pneumonic Tularemia in Rabbits Resembles the Human Disease as Illustrated by Radiographic and Hematological Changes after Infection. <i>PLoS ONE</i> , 2011, 6, e24654.	2.5	25
39	Infiltration of inflammatory macrophages and neutrophils and widespread pyroptosis in lung drive influenza lethality in nonhuman primates. <i>PLoS Pathogens</i> , 2022, 18, e1010395.	4.7	23
40	Neutrophil and macrophage influx into the central nervous system are inflammatory components of lethal Rift Valley fever encephalitis in rats. <i>PLoS Pathogens</i> , 2019, 15, e1007833.	4.7	22
41	Novel engineered cationic antimicrobial peptides display broad-spectrum activity against <i>Francisella tularensis</i> , <i>Yersinia pestis</i> and <i>Burkholderia pseudomallei</i> . <i>Journal of Medical Microbiology</i> , 2016, 65, 188-194.	1.8	22
42	Rational design of a live-attenuated eastern equine encephalitis virus vaccine through informed mutation of virulence determinants. <i>PLoS Pathogens</i> , 2019, 15, e1007584.	4.7	21
43	Gene expression profiling of nonhuman primates exposed to aerosolized Venezuelan equine encephalitis virus. <i>FEMS Immunology and Medical Microbiology</i> , 2007, 51, 462-472.	2.7	20
44	Nonhuman primate models of encephalitic alphavirus infection: historical review and future perspectives. <i>Current Opinion in Virology</i> , 2012, 2, 363-367.	5.4	19
45	Respiratory immunity is an important component of protection elicited by subunit vaccination against pneumonic plague. <i>Vaccine</i> , 2006, 24, 2283-2289.	3.8	17
46	Telemetric analysis to detect febrile responses in mice following vaccination with a live-attenuated virus vaccine. <i>Vaccine</i> , 2009, 27, 6814-6823.	3.8	17
47	Inflammatory Biomarkers Associated with Lethal Rift Valley Fever Encephalitis in the Lewis Rat Model. <i>Frontiers in Microbiology</i> , 2015, 6, 1509.	3.5	17
48	Differences in aerosolization of Rift Valley fever virus resulting from choice of inhalation exposure chamber: implications for animal challenge studies. <i>Pathogens and Disease</i> , 2014, 71, 227-233.	2.0	15
49	Respiratory and oral vaccination improves protection conferred by the live vaccine strain against pneumonic tularemia in the rabbit model. <i>Pathogens and Disease</i> , 2016, 74, ftw079.	2.0	15
50	Applications of minimally invasive multimodal telemetry for continuous monitoring of brain function and intracranial pressure in macaques with acute viral encephalitis. <i>PLoS ONE</i> , 2020, 15, e0232381.	2.5	14
51	Very Low Doses of <i>Mycobacterium tuberculosis</i> Yield Diverse Host Outcomes in Common Marmosets (<i>Callithrix jacchus</i>). <i>Comparative Medicine</i> , 2016, 66, 412-419.	1.0	14
52	Mapping of antibody responses to the protective antigen of <i>Bacillus anthracis</i> by flow cytometric analysis. <i>Cytometry</i> , 2002, 49, 1-7.	1.8	13
53	Vascular permeability in the brain is a late pathogenic event during Rift Valley fever virus encephalitis in rats. <i>Virology</i> , 2019, 526, 173-179.	2.4	13
54	Infectious disease aerobiology: miasma incarnate. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012, 2, 163.	3.9	12

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55	Physiological and immunological changes in the brain associated with lethal eastern equine encephalitis virus in macaques. <i>PLoS Pathogens</i> , 2021, 17, e1009308.	4.7	11
56	Rapid discovery and optimization of therapeutic antibodies against emerging infectious diseases. <i>Protein Engineering, Design and Selection</i> , 2008, 21, 495-505.	2.1	10
57	In vivo imaging in an ABSL-3 regional biocontainment laboratory. <i>Pathogens and Disease</i> , 2014, 71, 207-212.	2.0	10
58	The Role and Mechanism of Erythrocyte Invasion by <i>Francisella tularensis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 173.	3.9	10
59	Aerosol prime-boost vaccination provides strong protection in outbred rabbits against virulent type A <i>Francisella tularensis</i> . <i>PLoS ONE</i> , 2018, 13, e0205928.	2.5	10
60	Development of Rift valley fever encephalitis in rats is mediated by early infection of olfactory epithelium and neuroinvasion across the cribriform plate. <i>Journal of General Virology</i> , 2021, 102, .	2.9	10
61	Electrocardiography Abnormalities in Macaques after Infection with Encephalitic Alphaviruses. <i>Pathogens</i> , 2019, 8, 240.	2.8	9
62	A comparison of body temperature changes due to the administration of ketamine-acepromazine and tiletamine-zolazepam anesthetics in cynomolgus macaques. <i>Contemporary Topics in Laboratory Animal Science</i> , 2002, 41, 47-50.	0.2	9
63	Development, Characterization, and Standardization of a Nose-Only Inhalation Exposure System for Exposure of Rabbits to Small-Particle Aerosols Containing <i>Francisella tularensis</i> . <i>Infection and Immunity</i> , 2019, 87, .	2.2	7
64	Neutralizing antibodies protect mice against Venezuelan equine encephalitis virus aerosol challenge. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	7
65	Glycosyltransferase regulation mediated by pre-TCR signaling in early thymocyte development. <i>International Immunology</i> , 1998, 10, 445-451.	4.0	6
66	Development of novel mechanisms for housing, handling, and remote monitoring of common marmosets at animal biosafety level 3. <i>Pathogens and Disease</i> , 2014, 71, 219-226.	2.0	6
67	The O-Ag Antibody Response to <i>Francisella</i> Is Distinct in Rodents and Higher Animals and Can Serve as a Correlate of Protection. <i>Pathogens</i> , 2021, 10, 1646.	2.8	5
68	The Natural History of Aerosolized <i>Francisella tularensis</i> Infection in Cynomolgus Macaques. <i>Pathogens</i> , 2021, 10, 597.	2.8	4
69	Long-term persistence of viral RNA and inflammation in the CNS of macaques exposed to aerosolized Venezuelan equine encephalitis virus. <i>PLoS Pathogens</i> , 2022, 18, e1009946.	4.7	4
70	CHAPTER 13. Aerosol Exposure to Pathogenic Bacteria and Virus Particles: Standard Operating Procedure. <i>Issues in Toxicology</i> , 0, , 445-459.	0.1	3
71	Alphaviruses. , 2005, , 181-206.		3
72	Identification of an Attenuated Substrain of <i>Francisella tularensis</i> SCHU S4 by Phenotypic and Genotypic Analyses. <i>Pathogens</i> , 2021, 10, 638.	2.8	2

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73	Alphaviruses. , 2012, , 223-254.		0
74	Title is missing!. , 2020, 15, e0232381.		0
75	Title is missing!. , 2020, 15, e0232381.		0
76	Title is missing!. , 2020, 15, e0232381.		0
77	Title is missing!. , 2020, 15, e0232381.		0