Jonathan Arzt

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119
papers

2,540
citations

28
h-index

46
g-index

3,271
ext. papers

3,271
avg, IF

5.04
L-index

#	Paper	IF	Citations
119	African Swine Fever Virus Georgia Isolate Harboring Deletions of MGF360 and MGF505 Genes Is Attenuated in Swine and Confers Protection against Challenge with Virulent Parental Virus. <i>Journal of Virology</i> , 2015 , 89, 6048-56	6.6	135
118	The pathogenesis of foot-and-mouth disease I: viral pathways in cattle. <i>Transboundary and Emerging Diseases</i> , 2011 , 58, 291-304	4.2	124
117	The pathogenesis of foot-and-mouth disease II: viral pathways in swine, small ruminants, and wildlife; myotropism, chronic syndromes, and molecular virus-host interactions. <i>Transboundary and Emerging Diseases</i> , 2011 , 58, 305-26	4.2	108
116	The early pathogenesis of foot-and-mouth disease in cattle after aerosol inoculation. Identification of the nasopharynx as the primary site of infection. <i>Veterinary Pathology</i> , 2010 , 47, 1048-63	2.8	104
115	Early events in the pathogenesis of foot-and-mouth disease in cattle after controlled aerosol exposure. <i>Veterinary Journal</i> , 2010 , 183, 46-53	2.5	102
114	African Swine Fever Virus Georgia 2007 with a Deletion of Virulence-Associated Gene 9GL (B119L), when Administered at Low Doses, Leads to Virus Attenuation in Swine and Induces an Effective Protection against Homologous Challenge. <i>Journal of Virology</i> , 2015 , 89, 8556-66	6.6	95
113	The progressive adaptation of a georgian isolate of African swine fever virus to vero cells leads to a gradual attenuation of virulence in swine corresponding to major modifications of the viral genome. <i>Journal of Virology</i> , 2015 , 89, 2324-32	6.6	80
112	A55 Foot-and-mouth disease virus undergoes abundant viral genomic changes at distinct stages of infection of cattle. <i>Virus Evolution</i> , 2018 , 4,	3.7	78
111	A56 Evolutionary analyses of foot-and-mouth disease virus in Southeast Asia using whole-genome sequences. <i>Virus Evolution</i> , 2018 , 4,	3.7	78
110	Agricultural diseases on the move early in the third millennium. Veterinary Pathology, 2010, 47, 15-27	2.8	77
109	Foot-and-mouth disease vaccines. <i>Veterinary Microbiology</i> , 2017 , 206, 102-112	3.3	63
108	The Foot-and-Mouth Disease Carrier State Divergence in Cattle. <i>Journal of Virology</i> , 2016 , 90, 6344-64	6.6	61
107	Bovine type III interferon significantly delays and reduces the severity of foot-and-mouth disease in cattle. <i>Journal of Virology</i> , 2012 , 86, 4477-87	6.6	56
106	Persistent Foot-and-Mouth Disease Virus Infection in the Nasopharynx of Cattle; Tissue-Specific Distribution and Local Cytokine Expression. <i>PLoS ONE</i> , 2015 , 10, e0125698	3.7	51
105	Mutagenesis of the human transferrin receptor: two cytoplasmic phenylalanines are required for efficient internalization and a second-site mutation is capable of reverting an internalization-defective phenotype. <i>Journal of Cell Biology</i> , 1991 , 112, 853-61	7.3	50
104	Veterinary applications of infrared thermography. <i>American Journal of Veterinary Research</i> , 2016 , 77, 98-107	1.1	47
103	A partial deletion in non-structural protein 3A can attenuate foot-and-mouth disease virus in cattle. <i>Virology</i> , 2013 , 446, 260-7	3.6	45

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102	Pathogenesis of highly virulent African swine fever virus in domestic pigs exposed via intraoropharyngeal, intranasopharyngeal, and intramuscular inoculation, and by direct contact with infected pigs. <i>Virus Research</i> , 2013 , 178, 328-39	6.4	43	
101	The Pathogenesis of Foot-and-Mouth Disease in Pigs. Frontiers in Veterinary Science, 2016, 3, 41	3.1	43	
100	Detection of Foot-and-mouth Disease Virus RNA and Capsid Protein in Lymphoid Tissues of Convalescent Pigs Does Not Indicate Existence of a Carrier State. <i>Transboundary and Emerging Diseases</i> , 2016 , 63, 152-64	4.2	42	
99	Interaction of foot-and-mouth disease virus nonstructural protein 3A with host protein DCTN3 is important for viral virulence in cattle. <i>Journal of Virology</i> , 2014 , 88, 2737-47	6.6	41	
98	Pathogenesis of Primary Foot-and-Mouth Disease Virus Infection in the Nasopharynx of Vaccinated and Non-Vaccinated Cattle. <i>PLoS ONE</i> , 2015 , 10, e0143666	3.7	35	
97	Direct contact transmission of three different foot-and-mouth disease virus strains in swine demonstrates important strain-specific differences. <i>Veterinary Journal</i> , 2012 , 193, 456-63	2.5	34	
96	Serotype Diversity of Foot-and-Mouth-Disease Virus in Livestock without History of Vaccination in the Far North Region of Cameroon. <i>Transboundary and Emerging Diseases</i> , 2016 , 63, e27-38	4.2	33	
95	Early adaptive immune responses in the respiratory tract of foot-and-mouth disease virus-infected cattle. <i>Journal of Virology</i> , 2013 , 87, 2489-95	6.6	32	
94	Transmission of Foot-and-Mouth Disease from Persistently Infected Carrier Cattle to Naive Cattle via Transfer of Oropharyngeal Fluid. <i>MSphere</i> , 2018 , 3,	5	32	
93	Optimization of immunohistochemical and fluorescent antibody techniques for localization of Foot-and-mouth disease virus in animal tissues. <i>Journal of Veterinary Diagnostic Investigation</i> , 2009 , 21, 779-92	1.5	31	
92	Foot-and-mouth disease virus virulence in cattle is co-determined by viral replication dynamics and route of infection. <i>Virology</i> , 2014 , 452-453, 12-22	3.6	30	
91	Early events in the pathogenesis of foot-and-mouth disease in pigs; identification of oropharyngeal tonsils as sites of primary and sustained viral replication. <i>PLoS ONE</i> , 2014 , 9, e106859	3.7	28	
90	First Detection and Genome Sequence of Senecavirus A in Vietnam. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	27	
89	Infection dynamics of foot-and-mouth disease virus in pigs using two novel simulated-natural inoculation methods. <i>Research in Veterinary Science</i> , 2014 , 96, 396-405	2.5	26	
88	Lack of Transmission of Foot-and-Mouth Disease Virus From Persistently Infected Cattle to NaWe Cattle Under Field Conditions in Vietnam. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 174	3.1	24	
87	First detection of foot-and-mouth disease virus O/Ind-2001d in Vietnam. <i>PLoS ONE</i> , 2017 , 12, e017736	1 3.7	23	
86	Characterization of naturally occurring, new and persistent subclinical foot-and-mouth disease virus infection in vaccinated Asian buffalo in Islamabad Capital Territory, Pakistan. <i>Transboundary and Emerging Diseases</i> , 2018 , 65, 1836-1850	4.2	22	
85	The Different Tactics of Foot-and-Mouth Disease Virus to Evade Innate Immunity. <i>Frontiers in Microbiology</i> , 2018 , 9, 2644	5.7	21	

84	An Integrative Analysis of Foot-and-Mouth Disease Virus Carriers in Vietnam Achieved Through Targeted Surveillance and Molecular Epidemiology. <i>Transboundary and Emerging Diseases</i> , 2017 , 64, 54	7-563	20
83	Systemic immune response and virus persistence after foot-and-mouth disease virus infection of naWe cattle and cattle vaccinated with a homologous adenovirus-vectored vaccine. <i>BMC Veterinary Research</i> , 2016 , 12, 205	2.7	20
82	Phylodynamics of foot-and-mouth disease virus O/PanAsia in Vietnam 2010-2014. <i>Veterinary Research</i> , 2017 , 48, 24	3.8	19
81	A traditional evolutionary history of foot-and-mouth disease viruses in Southeast Asia challenged by analyses of non-structural protein coding sequences. <i>Scientific Reports</i> , 2018 , 8, 6472	4.9	19
80	Pathogenesis of virulent and attenuated foot-and-mouth disease virus in cattle. <i>Virology Journal</i> , 2017 , 14, 89	6.1	19
79	Quantitative characteristics of the foot-and-mouth disease carrier state under natural conditions in India. <i>Transboundary and Emerging Diseases</i> , 2018 , 65, 253-260	4.2	18
78	Clearance of a persistent picornavirus infection is associated with enhanced pro-apoptotic and cellular immune responses. <i>Scientific Reports</i> , 2017 , 7, 17800	4.9	18
77	Mechanisms of foot-and-mouth disease virus tropism inferred from differential tissue gene expression. <i>PLoS ONE</i> , 2013 , 8, e64119	3.7	18
76	Transcriptomic Analysis of Persistent Infection with Foot-and-Mouth Disease Virus in Cattle Suggests Impairment of Apoptosis and Cell-Mediated Immunity in the Nasopharynx. <i>PLoS ONE</i> , 2016 , 11, e0162750	3.7	18
75	Increased Virulence of an Epidemic Strain of Vesicular Stomatitis Virus Is Associated With Interference of the Innate Response in Pigs. <i>Frontiers in Microbiology</i> , 2018 , 9, 1891	5.7	18
74	Contact Challenge of Cattle with Foot-and-Mouth Disease Virus Validates the Role of the Nasopharyngeal Epithelium as the Site of Primary and Persistent Infection. <i>MSphere</i> , 2018 , 3,	5	17
73	Proof-of-concept study: profile of circulating microRNAs in Bovine serum harvested during acute and persistent FMDV infection. <i>Virology Journal</i> , 2017 , 14, 71	6.1	16
72	Transmission of Foot-and-Mouth Disease Virus during the Incubation Period in Pigs. <i>Frontiers in Veterinary Science</i> , 2016 , 3, 105	3.1	15
71	Infection Dynamics of Foot-and-Mouth Disease Virus in Cattle Following Intranasopharyngeal Inoculation or Contact Exposure. <i>Journal of Comparative Pathology</i> , 2016 , 155, 314-325	1	15
70	Clinical and virological dynamics of a serotype O 2010 South East Asia lineage foot-and-mouth disease virus in sheep using natural and simulated natural inoculation and exposure systems. <i>Veterinary Microbiology</i> , 2015 , 178, 50-60	3.3	14
69	A partial deletion within foot-and-mouth disease virus non-structural protein 3A causes clinical attenuation in cattle but does not prevent subclinical infection. <i>Virology</i> , 2018 , 516, 115-126	3.6	14
68	Early Detection of Foot-And-Mouth Disease Virus from Infected Cattle Using A Dry Filter Air Sampling System. <i>Transboundary and Emerging Diseases</i> , 2017 , 64, 564-573	4.2	13
67	Phylogeographical and cross-species transmission dynamics of SAT1 and SAT2 foot-and-mouth disease virus in Eastern Africa. <i>Molecular Ecology</i> , 2019 , 28, 2903-2916	5.7	13

66	The evolution of a super-swarm of foot-and-mouth disease virus in cattle. <i>PLoS ONE</i> , 2019 , 14, e021084	73.7	13
65	The Carrier Conundrum; A Review of Recent Advances and Persistent Gaps Regarding the Carrier State of Foot-and-Mouth Disease Virus. <i>Pathogens</i> , 2020 , 9,	4.5	13
64	Morphologic and phenotypic characteristics of myocarditis in two pigs infected by foot-and mouth disease virus strains of serotypes O or A. <i>Acta Veterinaria Scandinavica</i> , 2014 , 56, 42	2	13
63	Foot-and-Mouth Disease Virus-Associated Abortion and Vertical Transmission following Acute Infection in Cattle under Natural Conditions. <i>PLoS ONE</i> , 2016 , 11, e0167163	3.7	13
62	Evaluation of Infectivity, Virulence and Transmission of FDMV Field Strains of Serotypes O and A Isolated In 2010 from Outbreaks in the Republic of Korea. <i>PLoS ONE</i> , 2016 , 11, e0146445	3.7	13
61	Selective Factors Associated with the Evolution of Codon Usage in Natural Populations of Arboviruses. <i>PLoS ONE</i> , 2016 , 11, e0159943	3.7	13
60	Parameterization of the Durations of Phases of Foot-And-Mouth Disease in Cattle. <i>Frontiers in Veterinary Science</i> , 2019 , 6, 263	3.1	12
59	Effect of vaccination on cattle subclinically infected with foot-and-mouth disease virus in Cameroon. <i>Preventive Veterinary Medicine</i> , 2018 , 155, 1-10	3.1	11
58	Foot-and-mouth disease virus transmission dynamics and persistence in a herd of vaccinated dairy cattle in India. <i>Transboundary and Emerging Diseases</i> , 2018 , 65, e404-e415	4.2	11
57	Genetic and antigenic variation of foot-and-mouth disease virus during persistent infection in naturally infected cattle and Asian buffalo in India. <i>PLoS ONE</i> , 2019 , 14, e0214832	3.7	10
56	First Genome Sequence of Foot-and-Mouth Disease Virus Serotype O Sublineage Ind2001e from Southern Vietnam. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	10
55	Characterization of a chimeric foot-and-mouth disease virus bearing a bovine rhinitis B virus leader proteinase. <i>Virology</i> , 2013 , 447, 172-80	3.6	10
54	Acute myeloid leukemia with multilineage dysplasia in an alpaca. <i>Veterinary Clinical Pathology</i> , 2008 , 37, 289-97	1	10
53	Genome Sequence of Foot-and-Mouth Disease Virus Serotype O Lineage Ind-2001d Collected in Vietnam in 2015. <i>Genome Announcements</i> , 2017 , 5,		9
52	Hepatotoxicity associated with pyrrolizidine alkaloid (Crotalaria spp) ingestion in a horse on Easter Island. <i>Veterinary and Human Toxicology</i> , 1999 , 41, 96-9		9
51	Duration of protection and humoral immunity induced by an adenovirus-vectored subunit vaccine for foot-and-mouth disease (FMD) in Holstein steers. <i>Vaccine</i> , 2019 , 37, 6221-6231	4.1	8
50	Genetic diversity and comparison of diagnostic tests for characterization of foot-and-mouth disease virus strains from Pakistan 2008-2012. <i>Transboundary and Emerging Diseases</i> , 2018 , 65, 534-546	4.2	8
49	Molecular Epidemiology of Foot-and-Mouth Disease Virus in the Context of Transboundary Animal Movement in the Far North Region of Cameroon. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 320	3.1	8

48	Simultaneous and Staggered Foot-and-Mouth Disease Virus Coinfection of Cattle. <i>Journal of Virology</i> , 2021 , 95, e0165021	6.6	8
47	Early protection events in swine immunized with an experimental live attenuated classical swine fever marker vaccine, FlagT4G. <i>PLoS ONE</i> , 2017 , 12, e0177433	3.7	7
46	Into the Deep (Sequence) of the Foot-and-Mouth Disease Virus Gene Pool: Bottlenecks and Adaptation during Infection in NaWe and Vaccinated Cattle. <i>Pathogens</i> , 2020 , 9,	4.5	5
45	Pathogenesis and micro-anatomic characterization of a cell-adapted mutant foot-and-mouth disease virus in cattle: Impact of the Jumonji C-domain containing protein 6 (JMJD6) and route of inoculation. <i>Virology</i> , 2016 , 492, 108-17	3.6	5
44	Foot-and-Mouth Disease Infection Dynamics in Contact-Exposed Pigs Are Determined by the Estimated Exposure Dose. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 167	3.1	5
43	The role of African buffalo in the epidemiology of foot-and-mouth disease in sympatric cattle and buffalo populations in Kenya. <i>Transboundary and Emerging Diseases</i> , 2020 , 67, 2206	4.2	5
42	A Single Amino Acid Substitution in the Matrix Protein (M51R) of Vesicular Stomatitis New Jersey Virus Impairs Replication in Cultured Porcine Macrophages and Results in Significant Attenuation in Pigs. <i>Frontiers in Microbiology</i> , 2020 , 11, 1123	5.7	4
41	Extinction Dynamics of the Foot-and-Mouth Disease Virus Carrier State Under Natural Conditions. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 276	3.1	4
40	Foot-and-Mouth Disease Virus Lacking the Leader Protein and Containing Two Negative DIVA Markers (FMDV LL3B3D A) Is Highly Attenuated in Pigs. <i>Pathogens</i> , 2020 , 9,	4.5	4
39	FOOT-AND-MOUTH DISEASE IN A SMALL SAMPLE OF EXPERIMENTALLY INFECTED PRONGHORN (ANTILOCAPRA AMERICANA). <i>Journal of Wildlife Diseases</i> , 2016 , 52, 862-873	1.3	4
38	Time-dependent biodistribution and transgene expression of a recombinant human adenovirus serotype 5-luciferase vector as a surrogate for rAd5-FMDV vaccines in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 151, 37-48	2	4
37	Efficacy of a high potency O1 Manisa monovalent vaccine against heterologous challenge with foot-and-mouth disease virus of O/SEA/Mya-98 lineage in sheep. <i>Antiviral Research</i> , 2017 , 145, 114-122	10.8	4
36	Early detection and visualization of human adenovirus serotype 5-viral vectors carrying foot-and-mouth disease virus or luciferase transgenes in cell lines and bovine tissues. <i>Vaccine</i> , 2012 , 30, 1690-701	4.1	4
35	Site-specific substitution (Q172R) in the VP1 protein of FMDV isolates collected from asymptomatic carrier ruminants in Vietnam. <i>Virology Reports</i> , 2016 , 6, 90-96		4
34	Quantitative impacts of incubation phase transmission of foot-and-mouth disease virus. <i>Scientific Reports</i> , 2019 , 9, 2707	4.9	4
33	Interactive computerized learning program exposes veterinary students to challenging international animal-health problems. <i>Journal of Veterinary Medical Education</i> , 2007 , 34, 497-501	1.3	3
32	Characterization of transboundary foot-and-mouth disease viruses in Nigeria and Cameroon during 2016. <i>Transboundary and Emerging Diseases</i> , 2020 , 67, 1257-1270	4.2	3
31	Virulence beneath the fleece; a tale of foot-and-mouth disease virus pathogenesis in sheep. <i>PLoS ONE</i> , 2019 , 14, e0227061	3.7	3

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30	Validation of a site-specific recombination cloning technique for the rapid development of a full-length cDNA clone of a virulent field strain of vesicular stomatitis New Jersey virus. <i>Journal of Virological Methods</i> , 2019 , 265, 113-116	2.6	3
29	FOOT-AND-MOUTH DISEASE IN EXPERIMENTALLY INFECTED MULE DEER (ODOCOILEUS HEMIONUS). <i>Journal of Wildlife Diseases</i> , 2020 , 56, 93	1.3	3
28	Novel Recombinant Foot-and-Mouth Disease Virus Circulating in Vietnam. <i>Microbiology Resource Announcements</i> , 2021 , 10,	1.3	3
27	Outbreak investigations of foot and mouth disease virus in Nepal between 2010 and 2015 in the context of historical serotype occurrence. <i>Veterinary Medicine and Science</i> , 2018 , 4, 304-314	2.1	3
26	Genome Sequences of Foot-and-Mouth Disease Virus SAT1 and SAT2 Strains from Kenya in 2014 to 2016. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	2
25	Mechanisms of Maintenance of Foot-and-Mouth Disease Virus Persistence Inferred From Genes Differentially Expressed in Nasopharyngeal Epithelia of Virus Carriers and Non-carriers. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 340	3.1	2
24	Evidence of subclinical foot-and-mouth disease virus infection in young calves born from clinically recovered cow under natural condition. <i>Tropical Animal Health and Production</i> , 2018 , 50, 1167-1170	1.7	2
23	Genome Sequences of 18 Foot-and-Mouth Disease Virus Outbreak Strains of Serotype O Sublineage Ind2001d from India, 2013 to 2014. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	2
22	Genome Sequences of Seven Foot-and-Mouth Disease Virus Isolates Collected from Serial Samples from One Persistently Infected Carrier Cow in Vietnam. <i>Genome Announcements</i> , 2017 , 5,		2
21	Evolution and expansion dynamics of a vector-borne virus: 2004\(\mathbb{Q}\)006 vesicular stomatitis outbreak in the western USA. <i>Ecosphere</i> , 2021 , 12, e03793	3.1	2
20	The role of African buffalo in the epidemiology of foot-and-mouth disease in sympatric cattle and buffalo populations in Kenya		2
19	A novel bovine CXCL15 gene in the GRO chemokine gene cluster. <i>Veterinary Immunology and Immunopathology</i> , 2020 , 220, 109990	2	2
18	Effect of storage conditions on subpopulations of peripheral blood T lymphocytes isolated from naWe cattle and cattle infected with foot-and-mouth disease virus. <i>Veterinary Clinical Pathology</i> , 2016 , 45, 110-5	1	2
17	Viral Population Diversity during Co-Infection of Foot-And-Mouth Disease Virus Serotypes SAT1 and SAT2 in African Buffalo in Kenya. <i>Viruses</i> , 2022 , 14, 897	6.2	2
16	Foot-and-Mouth Disease Virus Interserotypic Recombination in Superinfected Carrier Cattle. <i>Pathogens</i> , 2022 , 11, 644	4.5	2
15	Duration of Contagion of Foot-And-Mouth Disease Virus in Infected Live Pigs and Carcasses. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 334	3.1	1
14	Foot-and-Mouth Disease Virus Serotype A Genome Sequence from Kenya in 2016. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
13	Estimation of foot-and-mouth disease windborne transmission risk from USA beef feedlots. <i>Preventive Veterinary Medicine</i> , 2021 , 195, 105453	3.1	1

12	Detection of Foot-and-Mouth Disease Virus in the Absence of Clinical Disease in Cattle and Buffalo in South East Asia. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 691308	3.1	О
11	Parameterization of the durations of phases of foot-and-mouth disease in pigs <i>Preventive Veterinary Medicine</i> , 2022 , 202, 105615	3.1	Ο
10	Multiple Genome Sequences of Foot-and-Mouth Disease Virus Asia-1 Lineage Sindh-08 from Outbreaks in Pakistan, 2011 to 2012 <i>Microbiology Resource Announcements</i> , 2022 , e0031222	1.3	О
9	Intracellular Localization of Foot-and-Mouth Disease Virus Transgene Expression in vivo and in vitro After Infection with Adenovirus Vaccine Constructs. <i>Microscopy and Microanalysis</i> , 2009 , 15, 954-955	0.5	
8	Genome of Bovine Viral Diarrhea Virus (BVDV) Contaminating a Continuous LFBK-ECell Line <i>Microbiology Resource Announcements</i> , 2022 , e0116721	1.3	
7	FOOT-AND-MOUTH DISEASE IN EXPERIMENTALLY INFECTED MULE DEER (). <i>Journal of Wildlife Diseases</i> , 2020 , 56, 93-104	1.3	
6	Virulence beneath the fleece; a tale of foot-and-mouth disease virus pathogenesis in sheep 2019 , 14, e0227061		
5	Virulence beneath the fleece; a tale of foot-and-mouth disease virus pathogenesis in sheep 2019 , 14, e0227061		
4	Virulence beneath the fleece; a tale of foot-and-mouth disease virus pathogenesis in sheep 2019 , 14, e0227061		
3	Virulence beneath the fleece; a tale of foot-and-mouth disease virus pathogenesis in sheep 2019 , 14, e0227061		
2	Virulence beneath the fleece; a tale of foot-and-mouth disease virus pathogenesis in sheep 2019 , 14, e0227061		