

Francois F Maree

List of Publications by Year in descending order

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50
papers

954
citations

430874

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501196

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52
docs citations

52
times ranked

887
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogeographic analysis of foot-and-mouth disease virus serotype O dispersal and associated drivers in East Africa. <i>Molecular Ecology</i> , 2021, 30, 3815-3825.	3.9	6
2	Efficacy of SAT2 Foot-and-Mouth Disease Vaccines Formulated with Montanide ISA 206B and Quil-A Saponin Adjuvants. <i>Vaccines</i> , 2021, 9, 996.	4.4	5
3	Endemic persistence of a highly contagious pathogen: Foot-and-mouth disease in its wildlife host. <i>Science</i> , 2021, 374, 104-109.	12.6	23
4	The history of foot-and-mouth disease virus serotype C: the first known extinct serotype?. <i>Virus Evolution</i> , 2021, 7, .	4.9	35
5	Pervasive within-host recombination and epistasis as major determinants of the molecular evolution of the foot-and-mouth disease virus capsid. <i>PLoS Pathogens</i> , 2020, 16, e1008235.	4.7	14
6	Symmetrical arrangement of positively charged residues around the 5-fold axes of SAT type foot-and-mouth disease virus enhances cell culture of field viruses. <i>PLoS Pathogens</i> , 2020, 16, e1008828.	4.7	3
7	Diagnostic and Epitope Mapping Potential of Single-Chain Antibody Fragments Against Foot-and-Mouth Disease Virus Serotypes A, SAT1, and SAT3. <i>Frontiers in Veterinary Science</i> , 2020, 7, 475.	2.2	6
8	Genetic Basis of Antigenic Variation of SAT3 Foot-And-Mouth Disease Viruses in Southern Africa. <i>Frontiers in Veterinary Science</i> , 2020, 7, 568.	2.2	1
9	Pathogenesis, biophysical stability and phenotypic variance of SAT2 foot-and-mouth disease virus. <i>Veterinary Microbiology</i> , 2020, 243, 108614.	1.9	2
10	Production of foot-and-mouth disease virus SAT2 VP1 protein. <i>AMB Express</i> , 2020, 10, 2.	3.0	3
11	Title is missing!. , 2020, 16, e1008828.		0
12	Title is missing!. , 2020, 16, e1008828.		0
13	Title is missing!. , 2020, 16, e1008828.		0
14	Title is missing!. , 2020, 16, e1008828.		0
15	Title is missing!. , 2020, 16, e1008828.		0
16	Title is missing!. , 2020, 16, e1008828.		0
17	Spatial distribution and risk factors for foot and mouth disease virus in Uganda: Opportunities for strategic surveillance. <i>Preventive Veterinary Medicine</i> , 2019, 171, 104766.	1.9	22
18	Persistent Infection of African Buffalo (<i>Syncerus caffer</i>) with Foot-and-Mouth Disease Virus: Limited Viral Evolution and No Evidence of Antibody Neutralization Escape. <i>Journal of Virology</i> , 2019, 93, .	3.4	15

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19	Inherent biophysical stability of foot-and-mouth disease SAT1, SAT2 and SAT3 viruses. <i>Virus Research</i> , 2019, 264, 45-55.	2.2	7
20	Development and validation of a foot-and-mouth disease virus SAT serotype-specific 3ABC assay to differentiate infected from vaccinated animals. <i>Journal of Virological Methods</i> , 2018, 255, 44-51.	2.1	6
21	Chimeric O1K foot-and-mouth disease virus with SAT2 outer capsid as an FMD vaccine candidate. <i>Scientific Reports</i> , 2018, 8, 13654.	3.3	11
22	Waves of endemic foot-and-mouth disease in eastern Africa suggest feasibility of proactive vaccination approaches. <i>Nature Ecology and Evolution</i> , 2018, 2, 1449-1457.	7.8	66
23	The <i>Culicoides sonorensis</i> inhibitor of apoptosis 1 protein protects mammalian cells from apoptosis induced by infection with African horse sickness virus and bluetongue virus. <i>Virus Research</i> , 2017, 232, 152-161.	2.2	3
24	Evaluation of immune responses of stabilised SAT2 antigens of foot-and-mouth disease in cattle. <i>Vaccine</i> , 2017, 35, 5426-5433.	3.8	9
25	SAT2 Foot-and-Mouth Disease Virus Structurally Modified for Increased Thermostability. <i>Journal of Virology</i> , 2017, 91, .	3.4	28
26	A sparse hierarchical Bayesian model for detecting relevant antigenic sites in virus evolution. <i>Computational Statistics</i> , 2017, 32, 803-843.	1.5	8
27	Detection of Pathogen Exposure in African Buffalo Using Non-Specific Markers of Inflammation. <i>Frontiers in Immunology</i> , 2017, 8, 1944.	4.8	19
28	Transmission of Foot-and-Mouth Disease SAT2 Viruses at the Wildlife–Livestock Interface of Two Major Transfrontier Conservation Areas in Southern Africa. <i>Frontiers in Microbiology</i> , 2016, 7, 528.	3.5	22
29	African horse sickness virus infects BSR cells through macropinocytosis. <i>Virology</i> , 2016, 497, 217-232.	2.4	2
30	Synthesis of empty african horse sickness virus particles. <i>Virus Research</i> , 2016, 213, 184-194.	2.2	17
31	Differential Persistence of Foot-and-Mouth Disease Virus in African Buffalo Is Related to Virus Virulence. <i>Journal of Virology</i> , 2016, 90, 5132-5140.	3.4	59
32	Tracking the Antigenic Evolution of Foot-and-Mouth Disease Virus. <i>PLoS ONE</i> , 2016, 11, e0159360.	2.5	32
33	Crystal structure of the 3C protease from Southern African Territories type 2 foot-and-mouth disease virus. <i>PeerJ</i> , 2016, 4, e1964.	2.0	6
34	Determination of common genetic variants within the non-structural proteins of foot-and-mouth disease viruses isolated in sub-Saharan Africa. <i>Veterinary Microbiology</i> , 2015, 177, 106-122.	1.9	6
35	Structure-based energetics of protein interfaces guides foot-and-mouth disease virus vaccine design. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 788-794.	8.2	89
36	Intra-serotype SAT2 chimeric foot-and-mouth disease vaccine protects cattle against FMDV challenge. <i>Vaccine</i> , 2015, 33, 2909-2916.	3.8	18

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37	Challenges and prospects for the control of foot-and-mouth disease: an African perspective. <i>Veterinary Medicine: Research and Reports</i> , 2014, 5, 119.	0.6	28
38	Determining the Epitope Dominance on the Capsid of a Serotype SAT2 Foot-and-Mouth Disease Virus by Mutational Analyses. <i>Journal of Virology</i> , 2014, 88, 8307-8318.	3.4	14
39	Analysis of SAT Type Foot-And-Mouth Disease Virus Capsid Proteins and the Identification of Putative Amino Acid Residues Affecting Virus Stability. <i>PLoS ONE</i> , 2013, 8, e61612.	2.5	21
40	Mapping of antigenic determinants on a SAT2 foot-and-mouth disease virus using chicken single-chain antibody fragments. <i>Virus Research</i> , 2012, 167, 370-379.	2.2	8
41	Analysis of SAT1 type foot-and-mouth disease virus capsid proteins: Influence of receptor usage on the properties of virus particles. <i>Virus Research</i> , 2011, 155, 462-472.	2.2	20
42	The use of soluble African horse sickness viral protein 7 as an antigen delivery and presentation system. <i>Virus Research</i> , 2011, 156, 35-48.	2.2	17
43	Predicting antigenic sites on the foot-and-mouth disease virus capsid of the South African Territories types using virus neutralization data. <i>Journal of General Virology</i> , 2011, 92, 2297-2309.	2.9	40
44	Custom-engineered chimeric foot-and-mouth disease vaccine elicits protective immune responses in pigs. <i>Journal of General Virology</i> , 2011, 92, 849-859.	2.9	23
45	Mapping of amino acid residues responsible for adhesion of cell culture-adapted foot-and-mouth disease SAT type viruses. <i>Virus Research</i> , 2010, 153, 82-91.	2.2	40
46	Sequence-Based Prediction for Vaccine Strain Selection and Identification of Antigenic Variability in Foot-and-Mouth Disease Virus. <i>PLoS Computational Biology</i> , 2010, 6, e1001027.	3.2	63
47	Mosaic structure of foot-and-mouth disease virus genomes. <i>Journal of General Virology</i> , 2007, 88, 487-492.	2.9	57
48	A second RGD motif in the 1D capsid protein of a SAT1 type foot-and-mouth disease virus field isolate is not essential for attachment to target cells. <i>Virus Research</i> , 2007, 124, 184-192.	2.2	17
49	Hepatic osteodystrophy in rats results mainly from portasystemic shunting. <i>Gut</i> , 2003, 52, 580-585.	12.1	23
50	Evaluation of a Novel Heminested PCR Assay Based on the Phosphoglucosamine Mutase Gene for Detection of <i>Helicobacter pylori</i> in Saliva and Dental Plaque. <i>Journal of Clinical Microbiology</i> , 2002, 40, 205-209.	3.9	36