

# Jacques Theron

## List of Publications by Year in descending order

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46  
papers

1,230  
citations

430442

18  
h-index

377514

34  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1732  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA as an Adhesin: <i>Bacillus cereus</i> Requires Extracellular DNA To Form Biofilms. Applied and Environmental Microbiology, 2009, 75, 2861-2868.	1.4	233
2	Proteomic Analysis Reveals Differential Protein Expression by <i>Bacillus cereus</i> during Biofilm Formation. Applied and Environmental Microbiology, 2002, 68, 2770-2780.	1.4	152
3	<i>Pantoea ananatis</i> Utilizes a Type VI Secretion System for Pathogenesis and Bacterial Competition. Molecular Plant-Microbe Interactions, 2015, 28, 420-431.	1.4	86
4	Current molecular and emerging nanobiotechnology approaches for the detection of microbial pathogens. Critical Reviews in Microbiology, 2010, 36, 318-339.	2.7	64
5	Sequence-Based Prediction for Vaccine Strain Selection and Identification of Antigenic Variability in Foot-and-Mouth Disease Virus. PLoS Computational Biology, 2010, 6, e1001027.	1.5	63
6	Selection and Application of ssDNA Aptamers to Detect Active TB from Sputum Samples. PLoS ONE, 2012, 7, e46862.	1.1	57
7	The use of glass wool as an attachment surface for studying phenotypic changes in <i>Pseudomonas aeruginosa</i> biofilms by two-dimensional gel electrophoresis. Proteomics, 2001, 1, 871-879.	1.3	56
8	Abundance of pathogenic <i>Escherichia coli</i> , <i>Salmonella typhimurium</i> and <i>Vibrio cholerae</i> in Nkonkobe drinking water sources. Journal of Water and Health, 2006, 4, 289-296.	1.1	51
9	A quorum sensing-defective mutant of <i>Pectobacterium carotovorum</i> ssp. <i>brasiliense</i> 1692 is attenuated in virulence and unable to occlude xylem tissue of susceptible potato plant stems. Molecular Plant Pathology, 2017, 18, 32-44.	2.0	49
10	<i>Ralstonia solanacearum</i> Needs Flp Pili for Virulence on Potato. Molecular Plant-Microbe Interactions, 2012, 25, 546-556.	1.4	45
11	Influence of the ferric uptake regulator (Fur) protein on pathogenicity in <i>Pectobacterium carotovorum</i> subsp. <i>brasiliense</i> . PLoS ONE, 2017, 12, e0177647.	1.1	43
12	Diversity and dynamics of bacterial populations during spontaneous sorghum fermentations used to produce ting, a South African food. Systematic and Applied Microbiology, 2011, 34, 227-234.	1.2	39
13	Thermophilic Protease-Producing <i>Geobacillus</i> from Buranga Hot Springs in Western Uganda. Current Microbiology, 2002, 45, 144-150.	1.0	32
14	Biotechnology in South Africa. Trends in Biotechnology, 2006, 24, 557-562.	4.9	29
15	Establishment of an entirely plasmid-based reverse genetics system for Bluetongue virus. Virology, 2015, 486, 71-77.	1.1	26
16	Custom-engineered chimeric foot-and-mouth disease vaccine elicits protective immune responses in pigs. Journal of General Virology, 2011, 92, 849-859.	1.3	23
17	Cloning and Characterization of a Carboxylesterase from <i>Bacillus coagulans</i> 81-11. Current Microbiology, 2005, 50, 196-201.	1.0	21
18	Characterization of two LuxI/R homologs in <i>Pantoea ananatis</i> LMG 2665T. Canadian Journal of Microbiology, 2016, 62, 893-903.	0.8	20

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19	Synthesis of empty african horse sickness virus particles. <i>Virus Research</i> , 2016, 213, 184-194.	1.1	17
20	Characterization of a Phosphatase Secreted by <i>Staphylococcus aureus</i> Strain 154, a New Member of the Bacterial Class C Family of Nonspecific Acid Phosphatases. <i>Systematic and Applied Microbiology</i> , 2002, 25, 21-30.	1.2	16
21	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.	1.5	14
22	Establishment of different plasmid only-based reverse genetics systems for the recovery of African horse sickness virus. <i>Virology</i> , 2016, 499, 144-155.	1.1	14
23	African horse sickness virus induces apoptosis in cultured mammalian cells. <i>Virus Research</i> , 2012, 163, 385-389.	1.1	13
24	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.	1.1	8
25	Membrane permeabilization of the African horse sickness virus VP5 protein is mediated by two N-terminal amphipathic $\alpha$ -helices. <i>Archives of Virology</i> , 2011, 156, 711-715.	0.9	7
26	Inherent biophysical stability of foot-and-mouth disease SAT1, SAT2 and SAT3 viruses. <i>Virus Research</i> , 2019, 264, 45-55.	1.1	7
27	Directed genetic modification of African horse sickness virus by reverse genetics. <i>South African Journal of Science</i> , 2015, 111, 8.	0.3	6
28	Evaluation of the <i>Staphylococcus aureus</i> Class C Nonspecific Acid Phosphatase (SapS) as a Reporter for Gene Expression and Protein Secretion in Gram-Negative and Gram-Positive Bacteria. <i>Applied and Environmental Microbiology</i> , 2007, 73, 7232-7239.	1.4	5
29	Development and optimization of a DNA-based reverse genetics systems for epizootic hemorrhagic disease virus. <i>Archives of Virology</i> , 2020, 165, 1079-1087.	0.9	5
30	Efficacy of SAT2 Foot-and-Mouth Disease Vaccines Formulated with Montanide ISA 206B and Quil-A Saponin Adjuvants. <i>Vaccines</i> , 2021, 9, 996.	2.1	5
31	Virus uncoating is required for apoptosis induction in cultured mammalian cells infected with African horse sickness virus. <i>Journal of General Virology</i> , 2015, 96, 1811-1820.	1.3	5
32	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.	1.1	3
33	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.	2.1	3
34	Production of foot-and-mouth disease virus SAT2 VP1 protein. <i>AMB Express</i> , 2020, 10, 2.	1.4	3
35	Silencing of African horse sickness virus VP7 protein expression in cultured cells by RNA interference. <i>Virus Genes</i> , 2007, 35, 777-783.	0.7	2
36	African horse sickness virus infects BSR cells through macropinocytosis. <i>Virology</i> , 2016, 497, 217-232.	1.1	2

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37	Targeted mutational analysis to unravel the complexity of African horse sickness virus NS3 function in mammalian cells. <i>Virology</i> , 2019, 531, 149-161.	1.1	2
38	Pathogenesis, biophysical stability and phenotypic variance of SAT2 foot-and-mouth disease virus. <i>Veterinary Microbiology</i> , 2020, 243, 108614.	0.8	2
39	Development of a flow cytometric bead immunoassay and its assessment as a possible aid to potency evaluation of enterotoxaemia vaccines. <i>Journal of the South African Veterinary Association</i> , 2014, 85, 977.	0.2	1
40	Genetic Basis of Antigenic Variation of SAT3 Foot-And-Mouth Disease Viruses in Southern Africa. <i>Frontiers in Veterinary Science</i> , 2020, 7, 568.	0.9	1
41	Title is missing!. , 2020, 16, e1008828.		0
42	Title is missing!. , 2020, 16, e1008828.		0
43	Title is missing!. , 2020, 16, e1008828.		0
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