

Caroline E Cameron

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

1,243
citations

23
h-index

34
g-index

51
ext. papers

1,559
ext. citations

5
avg, IF

4.42
L-index

#	Paper	IF	Citations
48	AMPLify: attentive deep learning model for discovery of novel antimicrobial peptides effective against WHO priority pathogens.. <i>BMC Genomics</i> , 2022 , 23, 77	4.5	4
47	Disrupts VE-Cadherin Intercellular Junctions and Traverses Endothelial Barriers Using a Cholesterol-Dependent Mechanism. <i>Frontiers in Microbiology</i> , 2021 , 12, 691731	5.7	0
46	Priorities for sexually transmitted infection vaccine research and development: Results from a survey of global leaders and representatives. <i>Vaccine: X</i> , 2021 , 8, 100107	3.8	0
45	Identification of the Neuroinvasive Pathogen Host Target, LamR, as an Endothelial Receptor for the <i>Treponema pallidum</i> Adhesin Tp0751. <i>MSphere</i> , 2020 , 5,	5	8
44	Interaction of <i>Treponema pallidum</i> , the syphilis spirochete, with human platelets. <i>PLoS ONE</i> , 2019 , 14, e0210902	3.7	8
43	Antimicrobial peptides from <i>Rana</i> [Lithobates] <i>catesbeiana</i> : Gene structure and bioinformatic identification of novel forms from tadpoles. <i>Scientific Reports</i> , 2019 , 9, 1529	4.9	6
42	Structural characterization of <i>Treponema pallidum</i> Tp0225 reveals an unexpected leucine-rich repeat architecture. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019 , 75, 489-495 ¹	1.1	2
41	Syphilis Vaccine Development: Requirements, Challenges, and Opportunities. <i>Sexually Transmitted Diseases</i> , 2018 , 45, S17-S19	2.4	9
40	Functional insights from proteome-wide structural modeling of <i>Treponema pallidum</i> subspecies <i>pallidum</i> , the causative agent of syphilis. <i>BMC Structural Biology</i> , 2018 , 18, 7	2.7	8
39	Candidate <i>Treponema pallidum</i> biomarkers uncovered in urine from individuals with syphilis using mass spectrometry. <i>Future Microbiology</i> , 2018 , 13, 1497-1510	2.9	7
38	Vaccine development for syphilis. <i>Expert Review of Vaccines</i> , 2017 , 16, 37-44	5.2	26
37	A defined syphilis vaccine candidate inhibits dissemination of <i>Treponema pallidum</i> subspecies <i>pallidum</i> . <i>Nature Communications</i> , 2017 , 8, 14273	17.4	38
36	A double-edged sword: does highly active antiretroviral therapy contribute to syphilis incidence by impairing immunity to ?. <i>Sexually Transmitted Infections</i> , 2017 , 93, 374-378	2.8	25
35	Respiratory Microbiome of Endangered Southern Resident Killer Whales and Microbiota of Surrounding Sea Surface Microlayer in the Eastern North Pacific. <i>Scientific Reports</i> , 2017 , 7, 394	4.9	32
34	Identification of Tp0751 (Pallilysin) as a <i>Treponema pallidum</i> Vascular Adhesin by Heterologous Expression in the Lyme disease Spirochete. <i>Scientific Reports</i> , 2017 , 7, 1538	4.9	16
33	Diet-Induced Obesity Does Not Alter Tigecycline Treatment Efficacy in Murine Lyme Disease. <i>Frontiers in Microbiology</i> , 2017 , 8, 292	5.7	0
32	Characterizing the Syphilis-Causing <i>Treponema pallidum</i> ssp. <i>pallidum</i> Proteome Using Complementary Mass Spectrometry. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004988	4.8	15

31	The Structure of <i>Treponema pallidum</i> Tp0624 Reveals a Modular Assembly of Divergently Functionalized and Previously Uncharacterized Domains. <i>PLoS ONE</i> , 2016 , 11, e0166274	3.7	8
30	The Structure of <i>Treponema pallidum</i> Tp0751 (Pallilysin) Reveals a Non-canonical Lipocalin Fold That Mediates Adhesion to Extracellular Matrix Components and Interactions with Host Cells. <i>PLoS Pathogens</i> , 2016 , 12, e1005919	7.6	20
29	The global roadmap for advancing development of vaccines against sexually transmitted infections: Update and next steps. <i>Vaccine</i> , 2016 , 34, 2939-2947	4.1	76
28	Complete Genome Sequence of <i>Leptospira interrogans</i> Serovar Bratislava, Strain PigK151. <i>Genome Announcements</i> , 2015 , 3,		5
27	Leptospiral structure, physiology, and metabolism. <i>Current Topics in Microbiology and Immunology</i> , 2015 , 387, 21-41	3.3	18
26	Conservation of the Host-Interacting Proteins Tp0750 and Pallilysin among Treponemes and Restriction of Proteolytic Capacity to <i>Treponema pallidum</i> . <i>Infection and Immunity</i> , 2015 , 83, 4204-16	3.7	13
25	The multifunctional role of the pallilysin-associated <i>Treponema pallidum</i> protein, Tp0750, in promoting fibrinolysis and extracellular matrix component degradation. <i>Molecular Microbiology</i> , 2014 , 91, 618-34	4.1	16
24	Current status of syphilis vaccine development: need, challenges, prospects. <i>Vaccine</i> , 2014 , 32, 1602-9	4.1	55
23	Post-translational modification of LipL32 during <i>Leptospira interrogans</i> infection. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3280	4.8	29
22	New proteins for a new perspective on syphilis diagnosis. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 105-117	4.1	18
21	<i>Leptospira interrogans</i> catalase is required for resistance to H ₂ O ₂ and for virulence. <i>Infection and Immunity</i> , 2012 , 80, 3892-9	3.7	68
20	Fibronectin binding to the <i>Treponema pallidum</i> adhesin protein fragment rTp0483 on functionalized self-assembled monolayers. <i>Bioconjugate Chemistry</i> , 2012 , 23, 184-95	6.3	11
19	Activation and proteolytic activity of the <i>Treponema pallidum</i> metalloprotease, pallilysin. <i>PLoS Pathogens</i> , 2012 , 8, e1002822	7.6	29
18	Methylation and in vivo expression of the surface-exposed <i>Leptospira interrogans</i> outer-membrane protein OmpL32. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 622-635	2.9	23
17	<i>Treponema pallidum</i> Dissemination; Facilitating Immune Evasion and Bacterial Persistence 2012 , 3-18		0
16	TP0326, a <i>Treponema pallidum</i> E-barrel assembly machinery A (BamA) orthologue and rare outer membrane protein. <i>Molecular Microbiology</i> , 2011 , 80, 1496-515	4.1	46
15	Bifunctional role of the <i>Treponema pallidum</i> extracellular matrix binding adhesin Tp0751. <i>Infection and Immunity</i> , 2011 , 79, 1386-98	3.7	39
14	Geographical dissemination of <i>Leptospira interrogans</i> serovar Pomona during seasonal migration of California sea lions. <i>Veterinary Microbiology</i> , 2009 , 137, 105-10	3.3	23

13	Global proteome analysis of <i>Leptospira interrogans</i> . <i>Journal of Proteome Research</i> , 2009 , 8, 4564-78	5.6	62
12	Heterologous expression of the <i>Treponema pallidum</i> laminin-binding adhesin Tp0751 in the culturable spirochete <i>Treponema phagedenis</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 2565-71	3.5	23
11	Detection of pathogenic <i>Leptospira</i> bacteria in pinniped populations via PCR and identification of a source of transmission for zoonotic leptospirosis in the marine environment. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 1728-33	9.7	43
10	Progress towards an effective syphilis vaccine: the past, present and future. <i>Expert Review of Vaccines</i> , 2006 , 5, 67-80	5.2	28
9	Defining the interaction of the <i>Treponema pallidum</i> adhesin Tp0751 with laminin. <i>Infection and Immunity</i> , 2005 , 73, 7485-94	3.7	52
8	<i>Treponema pallidum</i> fibronectin-binding proteins. <i>Journal of Bacteriology</i> , 2004 , 186, 7019-22	3.5	60
7	Identification of a <i>Treponema pallidum</i> laminin-binding protein. <i>Infection and Immunity</i> , 2003 , 71, 2525-33	3.7	58
6	Serodiagnosis of syphilis: antibodies to recombinant Tp0453, Tp92, and Gpd proteins are sensitive and specific indicators of infection by <i>Treponema pallidum</i> . <i>Journal of Clinical Microbiology</i> , 2003 , 41, 3668-74	9.7	29
5	<i>Treponema pallidum</i> major sheath protein homologue Tpr K is a target of opsonic antibody and the protective immune response. <i>Journal of Experimental Medicine</i> , 1999 , 189, 647-56	16.6	118
4	Sequence conservation of glycerophosphodiester phosphodiesterase among <i>Treponema pallidum</i> strains. <i>Infection and Immunity</i> , 1999 , 67, 3168-70	3.7	29
3	Function and protective capacity of <i>Treponema pallidum</i> subsp. <i>pallidum</i> glycerophosphodiester phosphodiesterase. <i>Infection and Immunity</i> , 1998 , 66, 5763-70	3.7	36
2	AMPlify: attentive deep learning model for discovery of novel antimicrobial peptides effective against WHO priority pathogens		2
1	Spirochaetes		2