Caroline E Cameron

List of Publications by Citations

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	Treponema pallidum major sheath protein homologue Tpr K is a target of opsonic antibody and the protective immune response. *Journal of Experimental Medicine*, **1999**, 189, 647-56	16.6	118
47	The global roadmap for advancing development of vaccines against sexually transmitted infections: Update and next steps. *Vaccine*, **2016**, 34, 2939-2947	4.1	76
46	Leptospira interrogans catalase is required for resistance to H2O2 and for virulence. *Infection and Immunity*, **2012**, 80, 3892-9	3.7	68
45	Global proteome analysis of Leptospira interrogans. *Journal of Proteome Research*, **2009**, 8, 4564-78	5.6	62
44	Treponema pallidum fibronectin-binding proteins. *Journal of Bacteriology*, **2004**, 186, 7019-22	3.5	60
43	Identification of a Treponema pallidum laminin-binding protein. *Infection and Immunity*, **2003**, 71, 2525-33	3.7	58
42	Current status of syphilis vaccine development: need, challenges, prospects. *Vaccine*, **2014**, 32, 1602-9	4.1	55
41	Defining the interaction of the Treponema pallidum adhesin Tp0751 with laminin. *Infection and Immunity*, **2005**, 73, 7485-94	3.7	52
40	TP0326, a Treponema pallidum β-barrel assembly machinery A (BamA) orthologue and rare outer membrane protein. *Molecular Microbiology*, **2011**, 80, 1496-515	4.1	46
39	Detection of pathogenic Leptospira bacteria in pinniped populations via PCR and identification of a source of transmission for zoonotic leptospirosis in the marine environment. *Journal of Clinical Microbiology*, **2008**, 46, 1728-33	9.7	43
38	Bifunctional role of the Treponema pallidum extracellular matrix binding adhesin Tp0751. *Infection and Immunity*, **2011**, 79, 1386-98	3.7	39
37	A defined syphilis vaccine candidate inhibits dissemination of Treponema pallidum subspecies pallidum. *Nature Communications*, **2017**, 8, 14273	17.4	38
36	Function and protective capacity of Treponema pallidum subsp. pallidum glycerophosphodiester phosphodiesterase. *Infection and Immunity*, **1998**, 66, 5763-70	3.7	36
35	Respiratory Microbiome of Endangered Southern Resident Killer Whales and Microbiota of Surrounding Sea Surface Microlayer in the Eastern North Pacific. *Scientific Reports*, **2017**, 7, 394	4.9	32
34	Post-translational modification of LipL32 during Leptospira interrogans infection. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3280	4.8	29
33	Activation and proteolytic activity of the Treponema pallidum metalloprotease, pallilysin. *PLoS Pathogens*, **2012**, 8, e1002822	7.6	29
32	Serodiagnosis of syphilis: antibodies to recombinant Tp0453, Tp92, and Gpd proteins are sensitive and specific indicators of infection by Treponema pallidum. *Journal of Clinical Microbiology*, **2003**, 41, 3668-74	9.7	29

31	Sequence conservation of glycerophosphodiester phosphodiesterase among Treponema pallidum strains. *Infection and Immunity*, **1999**, 67, 3168-70	3.7	29
30	Progress towards an effective syphilis vaccine: the past, present and future. *Expert Review of Vaccines*, **2006**, 5, 67-80	5.2	28
29	Vaccine development for syphilis. *Expert Review of Vaccines*, **2017**, 16, 37-44	5.2	26
28	A double-edged sword: does highly active antiretroviral therapy contribute to syphilis incidence by impairing immunity to ?. *Sexually Transmitted Infections*, **2017**, 93, 374-378	2.8	25
27	Geographical dissemination of Leptospira interrogans serovar Pomona during seasonal migration of California sea lions. *Veterinary Microbiology*, **2009**, 137, 105-10	3.3	23
26	Methylation and in vivo expression of the surface-exposed Leptospira interrogans outer-membrane protein OmpL32. *Microbiology (United Kingdom)*, **2012**, 158, 622-635	2.9	23
25	Heterologous expression of the Treponema pallidum laminin-binding adhesin Tp0751 in the culturable spirochete Treponema phagedenis. *Journal of Bacteriology*, **2008**, 190, 2565-71	3.5	23
24	The Structure of Treponema pallidum Tp0751 (Pallilysin) Reveals a Non-canonical Lipocalin Fold That Mediates Adhesion to Extracellular Matrix Components and Interactions with Host Cells. *PLoS Pathogens*, **2016**, 12, e1005919	7.6	20
23	Leptospiral structure, physiology, and metabolism. *Current Topics in Microbiology and Immunology*, **2015**, 387, 21-41	3.3	18
22	New proteins for a new perspective on syphilis diagnosis. *Journal of Clinical Microbiology*, **2013**, 51, 105-117	3.7	18
21	The multifunctional role of the pallilysin-associated Treponema pallidum protein, Tp0750, in promoting fibrinolysis and extracellular matrix component degradation. *Molecular Microbiology*, **2014**, 91, 618-34	4.1	16
20	Identification of Tp0751 (Pallilysin) as a Treponema pallidum Vascular Adhesin by Heterologous Expression in the Lyme disease Spirochete. *Scientific Reports*, **2017**, 7, 1538	4.9	16
19	Characterizing the Syphilis-Causing Treponema pallidum ssp. pallidum Proteome Using Complementary Mass Spectrometry. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004988	4.8	15
18	Conservation of the Host-Interacting Proteins Tp0750 and Pallilysin among Treponemes and Restriction of Proteolytic Capacity to Treponema pallidum. *Infection and Immunity*, **2015**, 83, 4204-16	3.7	13
17	Fibronectin binding to the Treponema pallidum adhesin protein fragment rTp0483 on functionalized self-assembled monolayers. *Bioconjugate Chemistry*, **2012**, 23, 184-95	6.3	11
16	Syphilis Vaccine Development: Requirements, Challenges, and Opportunities. *Sexually Transmitted Diseases*, **2018**, 45, S17-S19	2.4	9
15	Interaction of Treponema pallidum, the syphilis spirochete, with human platelets. *PLoS ONE*, **2019**, 14, e0210902	3.7	8
14	Identification of the Neuroinvasive Pathogen Host Target, LamR, as an Endothelial Receptor for the Treponema pallidum Adhesin Tp0751. *MSphere*, **2020**, 5,	5	8

13	Functional insights from proteome-wide structural modeling of Treponema pallidum subspecies pallidum, the causative agent of syphilis. *BMC Structural Biology*, **2018**, 18, 7	2.7	8
12	The Structure of Treponema pallidum Tp0624 Reveals a Modular Assembly of Divergently Functionalized and Previously Uncharacterized Domains. *PLoS ONE*, **2016**, 11, e0166274	3.7	8
11	Candidate Treponema pallidum biomarkers uncovered in urine from individuals with syphilis using mass spectrometry. *Future Microbiology*, **2018**, 13, 1497-1510	2.9	7
10	Antimicrobial peptides from Rana [Lithobates] catesbeiana: Gene structure and bioinformatic identification of novel forms from tadpoles. *Scientific Reports*, **2019**, 9, 1529	4.9	6
9	Complete Genome Sequence of Leptospira interrogans Serovar Bratislava, Strain PigK151. *Genome Announcements*, **2015**, 3,		5
8	AMPlify: attentive deep learning model for discovery of novel antimicrobial peptides effective against WHO priority pathogens.. *BMC Genomics*, **2022**, 23, 77	4.5	4
7	Structural characterization of Treponema pallidum Tp0225 reveals an unexpected leucine-rich repeat architecture. *Acta Crystallographica Section F, Structural Biology Communications*, **2019**, 75, 489-495	11	2
6	AMPlify: attentive deep learning model for discovery of novel antimicrobial peptides effective against WHO priority pathogens		2
5	Spirochaetes		2
4	Diet-Induced Obesity Does Not Alter Tigecycline Treatment Efficacy in Murine Lyme Disease. *Frontiers in Microbiology*, **2017**, 8, 292	5.7	0
3	Treponema pallidum Dissemination; Facilitating Immune Evasion and Bacterial Persistence **2012**, 3-18		0
2	Disrupts VE-Cadherin Intercellular Junctions and Traverses Endothelial Barriers Using a Cholesterol-Dependent Mechanism. *Frontiers in Microbiology*, **2021**, 12, 691731	5.7	0
1	Priorities for sexually transmitted infection vaccine research and development: Results from a survey of global leaders and representatives. *Vaccine: X*, **2021**, 8, 100107	3.8	0