

Catherine A Brissette

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,151
citations

218677

26
h-index

233421

45
g-index

53
all docs

53
docs citations

53
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Virulence factors of <i>Actinobacillus actinomycetemcomitans</i> . <i>Periodontology</i> 2000, 1999, 20, 136-167.	13.4	259
2	<i>Leptospira interrogans</i> Endostatin-Like Outer Membrane Proteins Bind Host Fibronectin, Laminin and Regulators of Complement. <i>PLoS ONE</i> , 2007, 2, e1188.	2.5	189
3	Coordinated Expression of <i>Borrelia burgdorferi</i> Complement Regulator-Acquiring Surface Proteins during the Lyme Disease Spirochete's Mammal-Tick Infection Cycle. <i>Infection and Immunity</i> , 2007, 75, 4227-4236.	2.2	110
4	<i>Borrelia burgdorferi</i> Infection-Associated Surface Proteins ErpP, ErpA, and ErpC Bind Human Plasminogen. <i>Infection and Immunity</i> , 2009, 77, 300-306.	2.2	103
5	<i>Borrelia burgdorferi</i> Enolase Is a Surface-Exposed Plasminogen Binding Protein. <i>PLoS ONE</i> , 2011, 6, e27502.	2.5	95
6	Brave New Worlds: The Expanding Universe of Lyme Disease. <i>Vector-Borne and Zoonotic Diseases</i> , 2017, 17, 619-629.	1.5	82
7	<i>Borrelia burgdorferi</i> RevA Antigen Binds Host Fibronectin. <i>Infection and Immunity</i> , 2009, 77, 2802-2812.	2.2	79
8	Leptospiral Endostatin-Like Protein A Is a Bacterial Cell Surface Receptor for Human Plasminogen. <i>Infection and Immunity</i> , 2010, 78, 2053-2059.	2.2	78
9	RNA-Seq of <i>Borrelia burgdorferi</i> in Multiple Phases of Growth Reveals Insights into the Dynamics of Gene Expression, Transcriptome Architecture, and Noncoding RNAs. <i>PLoS ONE</i> , 2016, 11, e0164165.	2.5	67
10	<i>Borrelia burgdorferi</i> BmpA Is a Laminin-Binding Protein. <i>Infection and Immunity</i> , 2009, 77, 4940-4946.	2.2	66
11	The <i>Borrelia burgdorferi</i> outer-surface protein ErpX binds mammalian laminin. <i>Microbiology (United Kingdom)</i> 2014, 178, 1843-1855.	1.8	65
12	<i>Borrelia burgdorferi</i> complement regulator-acquiring surface proteins (BbCRASPs): Expression patterns during the mammal-tick infection cycle. <i>International Journal of Medical Microbiology</i> , 2008, 298, 249-256.	3.6	51
13	Functional Characterization of <i>Borrelia spielmanii</i> Outer Surface Proteins That Interact with Distinct Members of the Human Factor H Protein Family and with Plasminogen. <i>Infection and Immunity</i> , 2010, 78, 39-48.	2.2	50
14	That's my story, and I'm sticking to it: An update on <i>B. burgdorferi</i> adhesins. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 41.	3.9	49
15	Epigenetics of Inflammation, Maternal Infection, and Nutrition. <i>Journal of Nutrition</i> , 2015, 145, 1109S-1115S.	2.9	49
16	Lyme borreliosis spirochete Erp proteins, their known host ligands, and potential roles in mammalian infection. <i>International Journal of Medical Microbiology</i> , 2008, 298, 257-267.	3.6	45
17	EbfC (YbaB) Is a New Type of Bacterial Nucleoid-Associated Protein and a Global Regulator of Gene Expression in the Lyme Disease Spirochete. <i>Journal of Bacteriology</i> , 2012, 194, 3395-3406.	2.2	43
18	<i>Treponema denticola</i> Is Resistant to Human β -Defensins. <i>Infection and Immunity</i> , 2002, 70, 3982-3984.	2.2	39

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19	<i>Borrelia burgdorferi</i> Complement Regulator-Acquiring Surface Protein 2 (CspZ) as a Serological Marker of Human Lyme Disease. <i>Vaccine Journal</i> , 2008, 15, 484-491.	3.1	38
20	<i>Borrelia burgdorferi</i> EbfC defines a newly-identified, widespread family of bacterial DNA-binding proteins. <i>Nucleic Acids Research</i> , 2009, 37, 1973-1983.	14.5	36
21	BpaB and EbfC DNA-Binding Proteins Regulate Production of the Lyme Disease Spirochete's Infection-Associated Erp Surface Proteins. <i>Journal of Bacteriology</i> , 2012, 194, 778-786.	2.2	33
22	Acetate supplementation reduces microglia activation and brain interleukin-1 β levels in a rat model of Lyme neuroborreliosis. <i>Journal of Neuroinflammation</i> , 2012, 9, 249.	7.2	33
23	Host Immune Evasion by Lyme and Relapsing Fever <i>Borreliae</i> : Findings to Lead Future Studies for <i>Borrelia miyamotoi</i> . <i>Frontiers in Immunology</i> , 2017, 8, 12.	4.8	31
24	DNA Methylation by Restriction Modification Systems Affects the Global Transcriptome Profile in <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	30
25	A murine model of Lyme disease demonstrates that <i>Borrelia burgdorferi</i> colonizes the dura mater and induces inflammation in the central nervous system. <i>PLoS Pathogens</i> , 2021, 17, e1009256.	4.7	30
26	<i>Actinobacillus actinomycetemcomitans</i> may utilize either actin-dependent or actin-independent mechanisms of invasion. <i>Oral Microbiology and Immunology</i> , 1999, 14, 137-142.	2.8	29
27	The <i>Borrelial</i> Fibronectin-Binding Protein RevA Is an Early Antigen of Human Lyme Disease. <i>Vaccine Journal</i> , 2010, 17, 274-280.	3.1	28
28	BB0347, from the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> , Is Surface Exposed and Interacts with the CS1 Heparin-Binding Domain of Human Fibronectin. <i>PLoS ONE</i> , 2013, 8, e75643.	2.5	28
29	The Brilliance of <i>Borrelia</i> : Mechanisms of Host Immune Evasion by Lyme Disease-Causing Spirochetes. <i>Pathogens</i> , 2021, 10, 281.	2.8	28
30	Evaluation of RevA, a Fibronectin-Binding Protein of <i>Borrelia burgdorferi</i> , as a Potential Vaccine Candidate for Lyme Disease. <i>Vaccine Journal</i> , 2013, 20, 892-899.	3.1	27
31	A recombinase A-deficient strain of <i>Actinobacillus actinomycetemcomitans</i> constructed by insertional mutagenesis using a mobilizable plasmid. <i>FEMS Microbiology Letters</i> , 2002, 206, 87-92.	1.8	26
32	Transcriptomic insights on the virulence-controlling CsrA, BadR, RpoN, and RpoS regulatory networks in the Lyme disease spirochete. <i>PLoS ONE</i> , 2018, 13, e0203286.	2.5	26
33	MicroRNA and mRNA Transcriptome Profiling in Primary Human Astrocytes Infected with <i>Borrelia burgdorferi</i> . <i>PLoS ONE</i> , 2017, 12, e0170961.	2.5	25
34	Mechanisms of Decreased Susceptibility to β -Defensins by <i>Treponema denticola</i> . <i>Infection and Immunity</i> , 2007, 75, 2307-2315.	2.2	23
35	The Multifaceted Responses of Primary Human Astrocytes and Brain Microvascular Endothelial Cells to the Lyme Disease Spirochete, <i>Borrelia Burgdorferi</i> . <i>ASN Neuro</i> , 2013, 5, AN20130010.	2.7	22
36	<i>Borrelia burgdorferi</i> SpoVG DNA- and RNA-Binding Protein Modulates the Physiology of the Lyme Disease Spirochete. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	20

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37	<i>Borrelia burgdorferi</i> RevA Significantly Affects Pathogenicity and Host Response in the Mouse Model of Lyme Disease. <i>Infection and Immunity</i> , 2015, 83, 3675-3683.	2.2	19
38	Primary Human Microglia Are Phagocytically Active and Respond to <i>Borrelia burgdorferi</i> With Upregulation of Chemokines and Cytokines. <i>Frontiers in Microbiology</i> , 2018, 9, 811.	3.5	19
39	The Western Progression of Lyme Disease: Infectious and Nonclonal <i>Borrelia burgdorferi</i> Sensu Lato Populations in Grand Forks County, North Dakota. <i>Applied and Environmental Microbiology</i> , 2015, 81, 48-58.	3.1	18
40	<i>Borrelia burgdorferi</i> adhere to blood vessels in the dura mater and are associated with increased meningeal T cells during murine disseminated borreliosis. <i>PLoS ONE</i> , 2018, 13, e0196893.	2.5	16
41	<i>Escherichia coli</i> lipoprotein binds human plasminogen via an intramolecular domain. <i>Frontiers in Microbiology</i> , 2015, 6, 1095.	3.5	11
42	The Lyme disease spirochete's BpuR DNA/RNA-binding protein is differentially expressed during the mammal-tick infectious cycle, which affects translation of the SodA superoxide dismutase. <i>Molecular Microbiology</i> , 2019, 112, 973-991.	2.5	11
43	Simultaneous Isolation of <i>Ixodidae</i> and Bacterial (<i>Borrelia</i> spp.) Genomic DNA. <i>Current Protocols in Microbiology</i> , 2010, 19, Unit1E.2.	6.5	8
44	Host transcriptome response to <i>Borrelia burgdorferi</i> sensu lato. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101638.	2.7	8
45	Lyme disease: recent advances and perspectives. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 27.	3.9	4
46	A recombinase A-deficient strain of <i>Actinobacillus actinomycetemcomitans</i> constructed by insertional mutagenesis using a mobilizable plasmid. <i>FEMS Microbiology Letters</i> , 2002, 206, 87-92.	1.8	2
47	Laboratory Cultivation and Maintenance of <i>Borrelia miyamotoi</i> . <i>Current Protocols in Microbiology</i> , 2016, 42, 12F.1.1-12F.1.6.	6.5	1
48	Design of a Lyme Disease Vaccine as an Active Learning Approach in a Novel Interdisciplinary Graduate-Level Course. <i>Journal of Microbiology and Biology Education</i> , 2017, 18, .	1.0	0
49	TICK TOCK-Time Is Running Out, as the United States Is Being Invaded by the Longhorned Tick!. <i>Vector-Borne and Zoonotic Diseases</i> , 2019, 19, 307-308.	1.5	0
50	Implications and Aspects of Lyme Neuroborreliosis. <i>EMJ Microbiology & Infectious Diseases</i> , 0, , 72-79.	0.0	0