Brian Stevenson

List of Publications by Year
in descending order

96 papers	5,971 citations	76326 40 h-index	79698 73 g-index
98 all docs	98 docs citations	98 times ranked	2604 citing authors

#	Article	IF	Citations
1	Gene Regulation and Transcriptomics. Current Issues in Molecular Biology, 2022, 42, 223-266.	2.4	22
2	The Consistent Tick-Vertebrate Infectious Cycle of the Lyme Disease Spirochete Enables Borrelia burgdorferi To Control Protein Expression by Monitoring Its Physiological Status. Journal of Bacteriology, 2022, 204, e0060621.	2.2	10
3	Evidence of taxonomic bias in public databases: The example of the genus Borrelia. Ticks and Tick-borne Diseases, 2022, 13, 101994.	2.7	7
4	Report of the Pathogenesis and Pathophysiology of Lyme Disease Subcommittee of the HHS Tick Borne Disease Working Group. Frontiers in Medicine, 2021, 8, 643235.	2.6	6
5	Comment on: Gupta, 2019, distinction between Borrelia and Borreliella is more robustly supported by molecular and phenotypic characteristics than all other neighbouring prokaryotic genera: Response to Margosâ€™ et al. â€œThe genus Borrelia reloadedâ€• (PLoS One 13(12): e0208432). PLoS One 14(8):e0221397. Ticks and Tick-borne Diseases, 2020, 11, 101320.	2.7	6
6	Controversies in bacterial taxonomy: The example of the genus Borrelia. Ticks and Tick-borne Diseases, 2020, 11, 101335.	2.7	45
7	Aseptic Technique. Current Protocols in Microbiology, 2020, 56, e98.	6.5	3
8	Complement Evasion Contributes to Lyme Borreliaeâ€“Host Associations. Trends in Parasitology, 2020, 36, 634-645.	3.3	46
9	Rejection of the name Borreliella and all proposed species comb. nov. placed therein. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3577-3581.	1.7	43
10	Public health and patient safety concerns merit retention of Lyme borreliosis-associated spirochetes within the genus Borrelia, and rejection of the genus novum Borreliella. Ticks and Tick-borne Diseases, 2019, 10, 1-4.	2.7	25
11	The Lyme disease spirochete's BpuR DNA/RNAâ€binding protein is differentially expressed during the mammalâ€“tick infectious cycle, which affects translation of the SodA superoxide dismutase. Molecular Microbiology, 2019, 112, 973-991.	2.5	11
12	Aseptic Technique. Current Protocols in Essential Laboratory Techniques, 2019, 18, e31.	2.6	1
13	DNA Methylation by Restriction Modification Systems Affects the Global Transcriptome Profile in Borrelia burgdorferi. Journal of Bacteriology, 2018, 200, .	2.2	30
14	Transcriptomic insights on the virulence-controlling CsrA, BadR, RpoN, and RpoS regulatory networks in the Lyme disease spirochete. PLoS ONE, 2018, 13, e0203286.	2.5	26
15	Borrelia burgdorferi SpoVG DNA- and RNA-Binding Protein Modulates the Physiology of the Lyme Disease Spirochete. Journal of Bacteriology, 2018, 200, .	2.2	20
16	Regulation of Gene and Protein Expression in the Lyme Disease Spirochete. Current Topics in Microbiology and Immunology, 2017, 415, 83-112.	1.1	35
17	Culture of Escherichia coli and Related Bacteria. Current Protocols in Essential Laboratory Techniques, 2017, 15, 4.2.1.	2.6	3
18	RNA-Seq of Borrelia burgdorferi in Multiple Phases of Growth Reveals Insights into the Dynamics of Gene Expression, Transcriptome Architecture, and Noncoding RNAs. PLoS ONE, 2016, 11, e0164165.	2.5	67

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19	Direct PCR of Intact Bacteria (Colony PCR). Current Protocols in Microbiology, 2016, 42, A.3D.1-A.3D.7.	6.5	38
20	Epitope-Specific Evolution of Human B Cell Responses toBorrelia burgdorferiVlsE Protein from Early to Late Stages of Lyme Disease. Journal of Immunology, 2016, 196, 1036-1043.	0.8	20
21	Borrelia burgdorferi RevA Significantly Affects Pathogenicity and Host Response in the Mouse Model of Lyme Disease. Infection and Immunity, 2015, 83, 3675-3683.	2.2	19
22	Apparent Role for Borrelia burgdorferi LuxS during Mammalian Infection. Infection and Immunity, 2015, 83, 1347-1353.	2.2	15
23	Intracellular Concentrations of Borrelia burgdorferi Cyclic Di-AMP Are Not Changed by Altered Expression of the CdaA Synthase. PLoS ONE, 2015, 10, e0125440.	2.5	22
24	Coinfection of tick cell lines has variable effects on replication of intracellular bacterial and viral pathogens. Ticks and Tick-borne Diseases, 2014, 5, 415-422.	2.7	13
25	BBA70 of Borrelia burgdorferi Is a Novel Plasminogen-binding Protein. Journal of Biological Chemistry, 2013, 288, 25229-25243.	3.4	57
26	Posttranscriptional Self-Regulation by the Lyme Disease Bacterium's BpuR DNA/RNA-Binding Protein. Journal of Bacteriology, 2013, 195, 4915-4923.	2.2	25
27	Complement regulator-acquiring surface proteins of Borrelia burgdorferi: Structure, function and regulation of gene expression. Ticks and Tick-borne Diseases, 2013, 4, 26-34.	2.7	113
28	Natural Selection Promotes Antigenic Evolvability. PLoS Pathogens, 2013, 9, e1003766.	4.7	40
29	Bpur, the Lyme Disease Spirochete's PUR Domain Protein. Journal of Biological Chemistry, 2013, 288, 26220-26234.	3.4	26
30	Changes in Bacterial Growth Rate Govern Expression of the Borrelia burgdorferi OspC and Erp Infection-Associated Surface Proteins. Journal of Bacteriology, 2013, 195, 757-764.	2.2	53
31	Distribution of cp32 Prophages among Lyme Disease-Causing Spirochetes and Natural Diversity of Their Lipoprotein-Encoding <i>erp</i> Loci. Applied and Environmental Microbiology, 2013, 79, 4115-4128.	3.1	32
32	Eubacterial SpoVG Homologs Constitute a New Family of Site-Specific DNA-Binding Proteins. PLoS ONE, 2013, 8, e66683.	2.5	42
33	EbfC (YbaB) Is a New Type of Bacterial Nucleoid-Associated Protein and a Global Regulator of Gene Expression in the Lyme Disease Spirochete. Journal of Bacteriology, 2012, 194, 3395-3406.	2.2	43
34	BpaB and EbfC DNA-Binding Proteins Regulate Production of the Lyme Disease Spirochete's Infection-Associated Erp Surface Proteins. Journal of Bacteriology, 2012, 194, 778-786.	2.2	33
35	Borrelia burgdorferi cp32 BpaB Modulates Expression of the Prophage NucP Nuclease and SsbP Single-Stranded DNA-Binding Protein. Journal of Bacteriology, 2012, 194, 4570-4578.	2.2	20
36	Identification of Novel DNAâ€Binding Proteins Using DNAâ€Affinity Chromatography/Pull Down. Current Protocols in Microbiology, 2012, 24, Unit1F.1.	6.5	81

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37	Of ticks, mice and men: understanding the dual-host lifestyle of Lyme disease spirochaetes. Nature Reviews Microbiology, 2012, 10, 87-99.	28.6	602
38	Interleukin-10 Mediated Autoregulation of Murine B-1 B-Cells and Its Role in Borrelia hermsii Infection. PLoS ONE, 2010, 5, e11445.	2.5	51
39	Leptospiral Endostatin-Like Protein A Is a Bacterial Cell Surface Receptor for Human Plasminogen. Infection and Immunity, 2010, 78, 2053-2059.	2.2	78
40	Complement Factor H-Related Proteins CFHR2 and CFHR5 Represent Novel Ligands for the Infection-Associated CRASP Proteins of Borrelia burgdorferi. PLoS ONE, 2010, 5, e13519.	2.5	78
41	BpaB, a novel protein encoded by the Lyme disease spirochete's cp32 prophages, binds to erp Operator 2 DNA. Nucleic Acids Research, 2010, 38, 5443-5455.	14.5	30
42	<i>Borrelia burgdorferi</i> RevA Antigen Binds Host Fibronectin. Infection and Immunity, 2009, 77, 2802-2812.	2.2	79
43	<i>Borrelia burgdorferi</i> BmpA Is a Laminin-Binding Protein. Infection and Immunity, 2009, 77, 4940-4946.	2.2	66
44	Roles for phagocytic cells and complement in controlling relapsing fever infection. Journal of Leukocyte Biology, 2009, 86, 727-736.	3.3	8
45	<i>Borrelia burgdorferi</i> Infection-Associated Surface Proteins ErpP, ErpA, and ErpC Bind Human Plasminogen. Infection and Immunity, 2009, 77, 300-306.	2.2	103
46	The Borrelia burgdorferi outer-surface protein ErpX binds mammalian laminin. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	65
47	Borrelia burgdorferi EbfC defines a newly-identified, widespread family of bacterial DNA-binding proteins. Nucleic Acids Research, 2009, 37, 1973-1983.	14.5	36
48	DNA-binding by Haemophilus influenzae and Escherichia coli YbaB, members of a widely-distributed bacterial protein family. BMC Microbiology, 2009, 9, 137.	3.3	25
49	Lyme borreliosis spirochete Erp proteins, their known host ligands, and potential roles in mammalian infection. International Journal of Medical Microbiology, 2008, 298, 257-267.	3.6	45
50	Borrelia burgdorferi complement regulator-acquiring surface proteins (BbCRASPs): Expression patterns during the mammalâ€“tick infection cycle. International Journal of Medical Microbiology, 2008, 298, 249-256.	3.6	51
51	Deciphering the Ligand-binding Sites in the Borrelia burgdorferi Complement Regulator-acquiring Surface Protein 2 Required for Interactions with the Human Immune Regulators Factor H and Factor H-like Protein 1. Journal of Biological Chemistry, 2008, 283, 34855-34863.	3.4	64
52	Aseptic Technique. Current Protocols in Essential Laboratory Techniques, 2008, 00, 4.1.1.	2.6	4
53	Culture of Escherichia coli and Related Bacteria. Current Protocols in Essential Laboratory Techniques, 2008, 00, 4.2.1.	2.6	7
54	Genetic and physiological characterization of the Borrelia burgdorferi ORF BB0374-pfs-metK-luxS operon. Microbiology (United Kingdom), 2007, 153, 2304-2311.	1.8	19

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55	Regulated synthesis of the Borrelia burgdorferi inner-membrane lipoprotein IpLA7 (P22, P22-A) during the Lyme disease spirochaete's mammalâ€“tick infectious cycle. Microbiology (United Kingdom), 2007, 153, 1361-1371.	1.8	26
56	Coordinated Expression of Borrelia burgdorferi Complement Regulator-Acquiring Surface Proteins during the Lyme Disease Spirochete's Mammal-Tick Infection Cycle. Infection and Immunity, 2007, 75, 4227-4236.	2.2	110
57	Borrelia burgdorferi Binding of Host Complement Regulator Factor H Is Not Required for Efficient Mammalian Infection. Infection and Immunity, 2007, 75, 3131-3139.	2.2	36
58	Leptospira interrogans Endostatin-Like Outer Membrane Proteins Bind Host Fibronectin, Laminin and Regulators of Complement. PLoS ONE, 2007, 2, e1188.	2.5	189
59	Common Bacterial Culture Techniques and Media. Current Protocols in Microbiology, 2006, Appendix 4, Appendix 4A.	6.5	15
60	Detection of Borrelia burgdorferi gene expression during mammalian infection using transcriptional fusions that produce green fluorescent protein. Microbial Pathogenesis, 2006, 41, 43-47.	2.9	28
61	Functionality of Borrelia burgdorferi LuxS: The Lyme disease spirochete produces and responds to the pheromone autoinducer-2 and lacks a complete activated-methyl cycle. International Journal of Medical Microbiology, 2006, 296, 92-102.	3.6	25
62	Borrelia burgdorferi erp genes are expressed at different levels within tissues of chronically infected mammalian hosts. International Journal of Medical Microbiology, 2006, 296, 185-194.	3.6	33
63	Functional characterization of BbCRASP-2, a distinct outer membrane protein of Borrelia burgdorferi that binds host complement regulators factor H and FHL-1. Molecular Microbiology, 2006, 61, 1220-1236.	2.5	153
64	Evolving models of Lyme disease spirochete gene regulation. Wiener Klinische Wochenschrift, 2006, 118, 643-652.	1.9	30
65	Borrelia burgdorferi EbfC, a Novel, Chromosomally Encoded Protein, Binds Specific DNA Sequences Adjacent to erp Loci on the Spirochete's Resident cp32 Prophages. Journal of Bacteriology, 2006, 188, 4331-4339.	2.2	38
66	LfhA, a Novel Factor H-Binding Protein of Leptospira interrogans. Infection and Immunity, 2006, 74, 2659-2666.	2.2	165
67	Transcriptional Regulation of the Borrelia burgdorferi Antigenically Variable VlsE Surface Protein. Journal of Bacteriology, 2006, 188, 4879-4889.	2.2	47
68	Carbohydrate utilization by the Lyme borreliosis spirochete,Borrelia burgdorferi. FEMS Microbiology Letters, 2005, 243, 173-179.	1.8	74
69	Borrelia burgdorferi Regulates Expression of Complement Regulator-Acquiring Surface Protein 1 during the Mammal-Tick Infection Cycle. Infection and Immunity, 2005, 73, 7398-7405.	2.2	69
70	Synthesis of Autoinducer 2 by the Lyme Disease Spirochete, Borrelia burgdorferi. Journal of Bacteriology, 2005, 187, 3079-3087.	2.2	37
71	Expression of Borrelia burgdorferi erp genes during infection of non-human primates. Microbial Pathogenesis, 2005, 39, 27-33.	2.9	33
72	Molecular Characterization of Borrelia burgdorferi erp Promoter/Operator Elements. Journal of Bacteriology, 2004, 186, 2745-2756.	2.2	66

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73	Increased expression of Borrelia burgdorferi factor H-binding surface proteins during transmission from ticks to mice. International Journal of Medical Microbiology Supplements, 2004, 293, 120-125.	0.4	16
74	Immunological characterization of the complement regulator factor H-binding CRASP and Erp proteins of Borrelia burgdorferi. International Journal of Medical Microbiology Supplements, 2004, 293, 152-157.	0.4	58
75	Intra- and Interbacterial Genetic Exchange of Lyme Disease Spirochete erp Genes Generates Sequence Identity Amidst Diversity. Journal of Molecular Evolution, 2003, 57, 309-324.	1.8	62
76	Quorum sensing by the Lyme disease spirochete. Microbes and Infection, 2003, 5, 991-997.	1.9	29
77	Temporal Analysis of Borrelia burgdorferi Erp Protein Expression throughout the Mammal-Tick InfectiousCycle. Infection and Immunity, 2003, 71, 6943-6952.	2.2	103
78	Immunological and genetic characterization of Borrelia burgdorferi BapA and EppA proteins. Microbiology (United Kingdom), 2003, 149, 1113-1125.	1.8	17
79	Simultaneous Coexpression of Borrelia burgdorferi Erp Proteins Occurs through a Specific, erp Locus-Directed Regulatory Mechanism. Journal of Bacteriology, 2002, 184, 4536-4543.	2.2	36
80	LuxS-Mediated Quorum Sensing in Borrelia burgdorferi, the Lyme Disease Spirochete. Infection and Immunity, 2002, 70, 4099-4105.	2.2	69
81	Differential Binding of Host Complement Inhibitor Factor H by Borrelia burgdorferi Erp Surface Proteins: a Possible Mechanism Underlying the Expansive Host Range of Lyme Disease Spirochetes. Infection and Immunity, 2002, 70, 491-497.	2.2	221
82	Borrelia burgdorferi-Specific Monoclonal Antibodies Derived from Mice Primed with Lyme Disease Spirochete-InfectedIxodes scapularisTicks. Hybridoma, 2002, 21, 179-182.	0.4	14
83	Borrelia burgdorferi erp (ospE -Related) Gene Sequences Remain Stable during Mammalian Infection. Infection and Immunity, 2002, 70, 5307-5311.	2.2	26
84	Analysis of Borrelia burgdorferi gene expression during life cycle phases of the tick vector Ixodes scapularis. Microbes and Infection, 2001, 3, 799-808.	1.9	122
85	Distinct Regulatory Pathways Control Expression ofBorrelia burgdorferi Infection-Associated OspC and Erp Surface Proteins. Infection and Immunity, 2001, 69, 4146-4153.	2.2	57
86	Temperature-Regulated Protein Synthesis by Leptospira interrogans. Infection and Immunity, 2001, 69, 400-404.	2.2	77
87	Borrelia burgdorferi RevA Antigen Is a Surface-Exposed Outer Membrane Protein Whose Expression Is Regulated in Response to Environmental Temperature and pH. Infection and Immunity, 2001, 69, 5286-5293.	2.2	53
88	Surface exposure and protease insensitivity of Borrelia burgdorferi Erp (OspEF-related) lipoproteins. Microbiology (United Kingdom), 2001, 147, 821-830.	1.8	63
89	A Second Allele of eppA in Borrelia burgdorferi Strain B31 Is Located on the Previously Undetected Circular Plasmid cp9-2. Journal of Bacteriology, 2000, 182, 6254-6258.	2.2	50
90	A bacterial genome in flux: the twelve linear and nine circular extrachromosomal DNAs in an infectious isolate of the Lyme disease spirochete <i>Borrelia burgdorferi</i>. Molecular Microbiology, 2000, 35, 490-516.	2.5	730

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91	<i>Borrelia burgdorferi</i> B31 Erp Proteins That Are Dominant Immunoblot Antigens of Animals Infected with Isolate B31 Are Recognized by Only a Subset of Human Lyme Disease Patient Sera. Journal of Clinical Microbiology, 2000, 38, 1569-1574.	3.9	31
92	7 Genetic Methods in Borrelia and Other Spirochaetes. Methods in Microbiology, 1999, 29, 209-227.	0.8	4
93	Oligopeptide permease in Borrelia burgdorferi: putative peptide-binding components encoded by both chromosomal and plasmid loci. Microbiology (United Kingdom), 1998, 144, 1033-1044.	1.8	99
94	<i>Borrelia burgdorferi</i> Erp Proteins Are Immunogenic in Mammals Infected by Tick Bite, and Their Synthesis Is Inducible in Cultured Bacteria. Infection and Immunity, 1998, 66, 2648-2654.	2.2	174
95	Humoral Immunity to<i>Borrelia burgdorferi</i>N40 Decorin Binding Proteins during Infection of Laboratory Mice. Infection and Immunity, 1998, 66, 2827-2835.	2.2	80
96	TheBorrelia burgdorfericircular plasmid cp26: conservation of plasmid structure and targeted inactivation of theospCgene. Molecular Microbiology, 1997, 25, 361-373.	2.5	97