

# Steven James Norris

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3593458/steven-james-norris-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

131  
papers

7,469  
citations

49  
h-index

84  
g-index

140  
ext. papers

8,406  
ext. citations

6.6  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
131	A selective antibiotic for Lyme disease. <i>Cell</i> , <b>2021</b> , 184, 5405-5418.e16	56.2	4
130	In Vitro Cultivation of the Syphilis Spirochete <i>Treponema pallidum</i> . <i>Current Protocols</i> , <b>2021</b> , 1, e44		7
129	Parameters Affecting Continuous Culture of <i>Treponema pallidum</i> Strains. <i>MBio</i> , <b>2021</b> , 12,	7.8	5
128	Comparison of transcriptional profiles of <i>Treponema pallidum</i> during experimental infection of rabbits and in vitro culture: Highly similar, yet different. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009949	7.6	0
127	Lyme Disease Pathogenesis. <i>Current Issues in Molecular Biology</i> , <b>2021</b> , 42, 473-518	2.9	11
126	The intergenic small non-coding RNA <i>ittA</i> is required for optimal infectivity and tissue tropism in <i>Borrelia burgdorferi</i> . <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008423	7.6	8
125	BBB07 contributes to, but is not essential for, infection in mice. <i>Microbiology (United Kingdom)</i> , <b>2020</b> , 166, 988-994	2.9	0
124	YebC regulates variable surface antigen VlsE expression and is required for host immune evasion in <i>Borrelia burgdorferi</i> . <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008953	7.6	4
123	Susceptibility of <i>Treponema pallidum</i> subsp. to Doxycycline. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	3
122	Molecular mechanism for rotational switching of the bacterial flagellar motor. <i>Nature Structural and Molecular Biology</i> , <b>2020</b> , 27, 1041-1047	17.6	34
121	Hiding in Plain Sight: Colonic Spirochetosis in Humans. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	6
120	Genome-wide screen identifies novel genes required for <i>Borrelia burgdorferi</i> survival in its Ixodes tick vector. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007644	7.6	16
119	Structural insights into flagellar stator-rotor interactions. <i>ELife</i> , <b>2019</b> , 8,	8.9	27
118	Catching up with Lyme Disease Antigenic Variation Computationally. <i>Trends in Microbiology</i> , <b>2018</b> , 26, 644-645	12.4	
117	The <i>Borrelia burgdorferi</i> Glycosaminoglycan Binding Protein Bgp in the B31 Strain Is Not Essential for Infectivity despite Facilitating Adherence and Tissue Colonization. <i>Infection and Immunity</i> , <b>2018</b> , 86,	3.7	12
116	Cryo-electron tomography of periplasmic flagella in <i>Borrelia burgdorferi</i> reveals a distinct cytoplasmic ATPase complex. <i>PLoS Biology</i> , <b>2018</b> , 16, e3000050	9.7	16
115	Long-Term Culture of the Syphilis Spirochete subsp.. <i>MBio</i> , <b>2018</b> , 9,	7.8	79

114	Enhanced Protective Immunogenicity of Homodimeric <i>Borrelia burgdorferi</i> Outer Surface Protein <i>C. Vaccine Journal</i> , <b>2017</b> , 24,		10
113	A high-throughput genetic screen identifies previously uncharacterized <i>Borrelia burgdorferi</i> genes important for resistance against reactive oxygen and nitrogen species. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006225	7.6	23
112	Origin of modern syphilis and emergence of a pandemic <i>Treponema pallidum</i> cluster. <i>Nature Microbiology</i> , <b>2016</b> , 2, 16245	26.6	81
111	The Nucleotide Excision Repair Pathway Protects <i>Borrelia burgdorferi</i> from Nitrosative Stress in <i>Ixodes scapularis</i> Ticks. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1397	5.7	19
110	Global Tn-seq analysis of carbohydrate utilization and vertebrate infectivity of <i>Borrelia burgdorferi</i> . <i>Molecular Microbiology</i> , <b>2016</b> , 101, 1003-23	4.1	33
109	Function of the <i>Borrelia burgdorferi</i> FtSH Homolog Is Essential for Viability both In Vitro and In Vivo and Independent of HflK/C. <i>MBio</i> , <b>2016</b> , 7, e00404-16	7.8	21
108	Toxin synthesis by <i>Clostridium difficile</i> is regulated through quorum signaling. <i>MBio</i> , <b>2015</b> , 6, e02569	7.8	74
107	Phosphoenolpyruvate Phosphotransferase System Components Modulate Gene Transcription and Virulence of <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , <b>2015</b> , 84, 754-64	3.7	24
106	<i>Treponema</i> <b>2015</b> , 1-42		5
105	Response to Esteve-Gassent et al.: flaB sequences obtained from Texas PCR products are identical to the positive control strain <i>Borrelia burgdorferi</i> B31. <i>Parasites and Vectors</i> , <b>2015</b> , 8, 310	4	6
104	vls Antigenic Variation Systems of Lyme Disease <i>Borrelia</i> : Eluding Host Immunity through both Random, Segmental Gene Conversion and Framework Heterogeneity <b>2015</b> , 471-489		2
103	Mutations in the <i>Borrelia burgdorferi</i> Flagellar Type III Secretion System Genes flhH and flhI Profoundly Affect Spirochete Flagellar Assembly, Morphology, Motility, Structure, and Cell Division. <i>MBio</i> , <b>2015</b> , 6, e00579-15	7.8	27
102	A Retrospective Study on Genetic Heterogeneity within <i>Treponema</i> Strains: Subpopulations Are Genetically Distinct in a Limited Number of Positions. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0004110	4.8	15
101	Molecular architecture of the bacterial flagellar motor in cells. <i>Biochemistry</i> , <b>2014</b> , 53, 4323-33	3.2	93
100	vls Antigenic Variation Systems of Lyme Disease <i>Borrelia</i> : Eluding Host Immunity through both Random, Segmental Gene Conversion and Framework Heterogeneity. <i>Microbiology Spectrum</i> , <b>2014</b> , 2,	8.9	63
99	Transposon mutagenesis as an approach to improved understanding of <i>Borrelia</i> pathogenesis and biology. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2014</b> , 4, 63	5.9	27
98	Analysis of the intergenic sequences provided by Feria-Arroyo et al. does not support the claim of high <i>Borrelia burgdorferi</i> tick infection rates in Texas and northeastern Mexico. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 467	4	12
97	Peaceful coexistence amongst <i>Borrelia</i> plasmids: getting by with a little help from their friends?. <i>Plasmid</i> , <b>2013</b> , 70, 161-7	3.3	17

96	Cryoelectron tomography reveals the sequential assembly of bacterial flagella in <i>Borrelia burgdorferi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 14390-5	11.5	77
95	Serum antibodies to <i>Borrelia burgdorferi</i> , <i>Anaplasma phagocytophilum</i> , and <i>Babesia microti</i> in recaptured white-footed mice. <i>Journal of Wildlife Diseases</i> , <b>2013</b> , 49, 294-302	1.3	14
94	Understanding barriers to <i>Borrelia burgdorferi</i> dissemination during infection using massively parallel sequencing. <i>Infection and Immunity</i> , <b>2013</b> , 81, 2347-57	3.7	52
93	Genetic diversity in <i>Treponema pallidum</i> : implications for pathogenesis, evolution and molecular diagnostics of syphilis and yaws. <i>Infection, Genetics and Evolution</i> , <b>2012</b> , 12, 191-202	4.5	76
92	Analysis of an ordered, comprehensive STM mutant library in infectious <i>Borrelia burgdorferi</i> : insights into the genes required for mouse infectivity. <i>PLoS ONE</i> , <b>2012</b> , 7, e47532	3.7	91
91	Whole genome sequences of three <i>Treponema pallidum</i> ssp. <i>pertenue</i> strains: yaws and syphilis treponemes differ in less than 0.2% of the genome sequence. <i>PLoS Neglected Tropical Diseases</i> , <b>2012</b> , 6, e1471	4.8	86
90	Serum antibodies to whole-cell and recombinant antigens of <i>Borrelia burgdorferi</i> in cottontail rabbits. <i>Journal of Wildlife Diseases</i> , <b>2012</b> , 48, 12-20	1.3	2
89	How do lyme borrelia organisms cause disease? The quest for virulence determinants(). <i>The Open Neurology Journal</i> , <b>2012</b> , 6, 119-23	0.4	7
88	Out of the woods: the remarkable genomes of the genus <i>Borrelia</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6812-4	3.5	5
87	High-throughput plasmid content analysis of <i>Borrelia burgdorferi</i> B31 by using Luminex multiplex technology. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 1483-92	4.8	26
86	Complete genome sequence of <i>Treponema paraluis-cuniculi</i> , strain Cuniculi A: the loss of infectivity to humans is associated with genome decay. <i>PLoS ONE</i> , <b>2011</b> , 6, e20415	3.7	51
85	Genome analysis of <i>Treponema pallidum</i> subsp. <i>pallidum</i> and subsp. <i>pertenue</i> strains: most of the genetic differences are localized in six regions. <i>PLoS ONE</i> , <b>2010</b> , 5, e15713	3.7	48
84	Characterization and serologic analysis of the <i>Treponema pallidum</i> proteome. <i>Infection and Immunity</i> , <b>2010</b> , 78, 2631-43	3.7	39
83	Role of acetyl-phosphate in activation of the Rrp2-RpoN-RpoS pathway in <i>Borrelia burgdorferi</i> . <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001104	7.6	75
82	Cellular architecture of <i>Treponema pallidum</i> : novel flagellum, periplasmic cone, and cell envelope as revealed by cryo electron tomography. <i>Journal of Molecular Biology</i> , <b>2010</b> , 403, 546-61	6.5	90
81	Detailed analysis of sequence changes occurring during <i>vlsE</i> antigenic variation in the mouse model of <i>Borrelia burgdorferi</i> infection. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000293	7.6	86
80	Central role of the Holliday junction helicase RuvAB in <i>vlsE</i> recombination and infectivity of <i>Borrelia burgdorferi</i> . <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000679	7.6	63
79	Intact flagellar motor of <i>Borrelia burgdorferi</i> revealed by cryo-electron tomography: evidence for stator ring curvature and rotor/C-ring assembly flexion. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 5026-36	3.5	132

78	Complete genome sequence of <i>Treponema pallidum</i> ssp. <i>pallidum</i> strain SS14 determined with oligonucleotide arrays. <i>BMC Microbiology</i> , <b>2008</b> , 8, 76	4.5	55
77	A novel <i>Treponema pallidum</i> antigen, TP0136, is an outer membrane protein that binds human fibronectin. <i>Infection and Immunity</i> , <b>2008</b> , 76, 1848-57	3.7	83
76	Molecular studies in <i>Treponema pallidum</i> evolution: toward clarity?. <i>PLoS Neglected Tropical Diseases</i> , <b>2008</b> , 2, e184	4.8	28
75	Antigenicity and recombination of VlsE, the antigenic variation protein of <i>Borrelia burgdorferi</i> , in rabbits, a host putatively resistant to long-term infection with this spirochete. <i>FEMS Immunology and Medical Microbiology</i> , <b>2007</b> , 50, 421-9		20
74	Genome differences between <i>Treponema pallidum</i> subsp. <i>pallidum</i> strain Nichols and T. paraluisuniculi strain Cuniculi A. <i>Infection and Immunity</i> , <b>2007</b> , 75, 5859-66	3.7	36
73	Reactivity of antibodies from syphilis patients to a protein array representing the <i>Treponema pallidum</i> proteome. <i>Journal of Clinical Microbiology</i> , <b>2006</b> , 44, 888-91	9.7	50
72	Identification of potential virulence determinants by Himar1 transposition of infectious <i>Borrelia burgdorferi</i> B31. <i>Infection and Immunity</i> , <b>2006</b> , 74, 6690-9	3.7	39
71	Transcriptional regulation of the <i>Borrelia burgdorferi</i> antigenically variable VlsE surface protein. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 4879-89	3.5	41
70	Infectivity of the highly transformable BBE02- lp56- mutant of <i>Borrelia burgdorferi</i> , the Lyme disease spirochete, via ticks. <i>Infection and Immunity</i> , <b>2006</b> , 74, 3678-81	3.7	16
69	The dynamic proteome of Lyme disease <i>Borrelia</i> . <i>Genome Biology</i> , <b>2006</b> , 7, 209	18.3	10
68	Antigenic variation with a twist--the <i>Borrelia</i> story. <i>Molecular Microbiology</i> , <b>2006</b> , 60, 1319-22	4.1	80
67	The Genus <i>Treponema</i> <b>2006</b> , 211-234		8
66	The thermophilic, homohexameric aminopeptidase of <i>Borrelia burgdorferi</i> is a member of the M29 family of metallopeptidases. <i>Infection and Immunity</i> , <b>2005</b> , 73, 2253-61	3.7	9
65	Genome scale identification of <i>Treponema pallidum</i> antigens. <i>Infection and Immunity</i> , <b>2005</b> , 73, 4445-50	3.7	52
64	Transcriptome of <i>Treponema pallidum</i> : gene expression profile during experimental rabbit infection. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 1866-74	3.5	57
63	Construction of small genome BAC library for functional and genomic applications. <i>Methods in Molecular Biology</i> , <b>2004</b> , 255, 47-56	1.4	1
62	A mutant of <i>Mycobacterium tuberculosis</i> H37Rv that lacks expression of antigen 85A is attenuated in mice but retains vaccinogenic potential. <i>Infection and Immunity</i> , <b>2004</b> , 72, 7084-95	3.7	46
61	BBE02 disruption mutants of <i>Borrelia burgdorferi</i> B31 have a highly transformable, infectious phenotype. <i>Infection and Immunity</i> , <b>2004</b> , 72, 7147-54	3.7	132

60	Comparison of the genome of the oral pathogen <i>Treponema denticola</i> with other spirochete genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 5646-51	11.5	215
59	Effects of <i>vlsE</i> complementation on the infectivity of <i>Borrelia burgdorferi</i> lacking the linear plasmid lp28-1. <i>Infection and Immunity</i> , <b>2004</b> , 72, 6577-85	3.7	63
58	Linear and circular plasmid content in <i>Borrelia burgdorferi</i> clinical isolates. <i>Infection and Immunity</i> , <b>2003</b> , 71, 3699-706	3.7	65
57	Characterization of the <i>vls</i> antigenic variation loci of the Lyme disease spirochaetes <i>Borrelia garinii</i> lp90 and <i>Borrelia afzelii</i> ACAI. <i>Molecular Microbiology</i> , <b>2003</b> , 47, 1407-17	4.1	31
56	A plasmid-encoded nicotinamidase (PncA) is essential for infectivity of <i>Borrelia burgdorferi</i> in a mammalian host. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 753-64	4.1	218
55	Systematic cloning of <i>Treponema pallidum</i> open reading frames for protein expression and antigen discovery. <i>Genome Research</i> , <b>2003</b> , 13, 1665-74	9.7	38
54	Effect of complement component C3 deficiency on experimental Lyme borreliosis in mice. <i>Infection and Immunity</i> , <b>2003</b> , 71, 4432-40	3.7	46
53	Isolated pontine progressive multifocal leukoencephalopathy: unusual magnetic resonance imaging features. <i>Journal of Neuroimaging</i> , <b>2002</b> , 12, 63-6	2.8	5
52	Crystal structure of Lyme disease variable surface antigen VlsE of <i>Borrelia burgdorferi</i> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 21691-6	5.4	104
51	Decreased electroporation efficiency in <i>Borrelia burgdorferi</i> containing linear plasmids lp25 and lp56: impact on transformation of infectious <i>B. burgdorferi</i> . <i>Infection and Immunity</i> , <b>2002</b> , 70, 4798-804	3.7	79
50	BAC library of <i>T. pallidum</i> DNA in <i>E. coli</i> . <i>Genome Research</i> , <b>2002</b> , 12, 515-22	9.7	21
49	Decreased infectivity despite unaltered C3 binding by a DeltahbA mutant of <i>Mycobacterium tuberculosis</i> . <i>Infection and Immunity</i> , <b>2002</b> , 70, 6751-60	3.7	26
48	Comparative reactivity of human sera to recombinant VlsE and other <i>Borrelia burgdorferi</i> antigens in class-specific enzyme-linked immunosorbent assays for Lyme borreliosis. <i>Journal of Medical Microbiology</i> , <b>2002</b> , 51, 649-655	3.2	40
47	Analysis of <i>Borrelia burgdorferi vlsE</i> gene expression and recombination in the tick vector. <i>Infection and Immunity</i> , <b>2001</b> , 69, 7083-90	3.7	74
46	<i>Mycobacterium</i> protein HbA binds human complement component C3. <i>Infection and Immunity</i> , <b>2001</b> , 69, 7501-11	3.7	43
45	Biology of <i>Treponema pallidum</i> : correlation of functional activities with genome sequence data. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2001</b> , 3, 37-62	0.9	48
44	The genome sequence of <i>Treponema pallidum</i> , the syphilis spirochete: will clinicians benefit?. <i>Current Opinion in Infectious Diseases</i> , <b>2000</b> , 13, 29-36	5.4	11
43	Correlation between plasmid content and infectivity in <i>Borrelia burgdorferi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 13865-70	11.5	376

42	Conservation and heterogeneity of vlsE among human and tick isolates of <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , <b>2000</b> , 68, 1714-8	3.7	29
41	Disruption of the genes encoding antigen 85A and antigen 85B of <i>Mycobacterium tuberculosis</i> H37Rv: effect on growth in culture and in macrophages. <i>Infection and Immunity</i> , <b>2000</b> , 68, 767-78	3.7	175
40	From microbial genome sequence to applications. <i>Research in Microbiology</i> , <b>2000</b> , 151, 151-8	4	26
39	Characterization of a manganese-dependent regulatory protein, TroR, from <i>Treponema pallidum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 10887-92	11.5	93
38	Extensive interplasmidic duplications change the virulence phenotype of the relapsing fever agent <i>Borrelia turicatae</i> . <i>Molecular Microbiology</i> , <b>1999</b> , 34, 1120-32	4.1	35
37	Human antibody responses to VlsE antigenic variation protein of <i>Borrelia burgdorferi</i> . <i>Journal of Clinical Microbiology</i> , <b>1999</b> , 37, 3997-4004	9.7	106
36	Kinetics and In Vivo Induction of Genetic Variation of vlsE in <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , <b>1999</b> , 67, 468-468	3.7	
35	The genome of <i>Treponema pallidum</i> : new light on the agent of syphilis. <i>FEMS Microbiology Reviews</i> , <b>1998</b> , 22, 323-32	15.1	43
34	Illuminating the agent of syphilis: the <i>Treponema pallidum</i> genome project. <i>Electrophoresis</i> , <b>1998</b> , 19, 551-3	3.6	4
33	Complete genome sequence of <i>Treponema pallidum</i> , the syphilis spirochete. <i>Science</i> , <b>1998</b> , 281, 375-88	33.3	756
32	Specific Th1 cell lines that confer protective immunity against experimental <i>Borrelia burgdorferi</i> infection in mice. <i>Journal of Leukocyte Biology</i> , <b>1998</b> , 63, 542-9	6.5	12
31	Kinetics and in vivo induction of genetic variation of vlsE in <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , <b>1998</b> , 66, 3689-97	3.7	146
30	Genetic variation of the <i>Borrelia burgdorferi</i> gene vlsE involves cassette-specific, segmental gene conversion. <i>Infection and Immunity</i> , <b>1998</b> , 66, 3698-704	3.7	185
29	Relationship of <i>Treponema denticola</i> periplasmic flagella to irregular cell morphology. <i>Journal of Bacteriology</i> , <b>1997</b> , 179, 1628-35	3.5	61
28	Antigenic variation in Lyme disease borreliae by promiscuous recombination of VMP-like sequence cassettes. <i>Cell</i> , <b>1997</b> , 89, 275-85	56.2	530
27	Identification and transcriptional analysis of a <i>Treponema pallidum</i> operon encoding a putative ABC transport system, an iron-activated repressor protein homolog, and a glycolytic pathway enzyme homolog. <i>Gene</i> , <b>1997</b> , 197, 47-64	3.8	62
26	Conversion of a linear to a circular plasmid in the relapsing fever agent <i>Borrelia hermsii</i> . <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 793-800	3.5	57
25	Characterization of the cytoplasmic filament protein gene (cfpA) of <i>Treponema pallidum</i> subsp. <i>pallidum</i> . <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 3177-87	3.5	24

24	OptiSol Corneal Storage Medium and Transmission of <i>Treponema Pallidum</i> . <i>Cornea</i> , <b>1995</b> , 14, 595-600	3.1	3
23	Physical map of the genome of <i>Treponema pallidum</i> subsp. <i>pallidum</i> (Nichols). <i>Journal of Bacteriology</i> , <b>1995</b> , 177, 1797-804	3.5	29
22	Modulation of immunity to <i>Borrelia burgdorferi</i> by ultraviolet irradiation: differential effect on Th1 and Th2 immune responses. <i>European Journal of Immunology</i> , <b>1995</b> , 25, 3017-22	6.1	67
21	High- and low-infectivity phenotypes of clonal populations of in vitro-cultured <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , <b>1995</b> , 63, 2206-12	3.7	103
20	Adherence of <i>Borrelia burgdorferi</i> to the proteoglycan decorin. <i>Infection and Immunity</i> , <b>1995</b> , 63, 3467-72	3.7	175
19	A family of surface-exposed proteins of 20 kilodaltons in the genus <i>Borrelia</i> . <i>Infection and Immunity</i> , <b>1994</b> , 62, 2792-9	3.7	76
18	Interaction of spirochetes with the host. <i>Research in Microbiology</i> , <b>1992</b> , 143, 629-39	4	15
17	Genome structure of spirochetes. <i>Research in Microbiology</i> , <b>1992</b> , 143, 615-21	4	24
16	Low-passage-associated proteins of <i>Borrelia burgdorferi</i> B31: characterization and molecular cloning of OspD, a surface-exposed, plasmid-encoded lipoprotein. <i>Infection and Immunity</i> , <b>1992</b> , 60, 4662-72	3.7	173
15	The Genus <i>Treponema</i> <b>1992</b> , 3537-3559		4
14	Isolation and characterization of a <i>Treponema pallidum</i> major 60-kilodalton protein resembling the groEL protein of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>1990</b> , 172, 2862-70	3.5	20
13	In vitro culture system to determine MICs and MBCs of antimicrobial agents against <i>Treponema pallidum</i> subsp. <i>pallidum</i> (Nichols strain). <i>Antimicrobial Agents and Chemotherapy</i> , <b>1988</b> , 32, 68-74	5.9	24
12	Antigenic relatedness and N-terminal sequence homology define two classes of periplasmic flagellar proteins of <i>Treponema pallidum</i> subsp. <i>pallidum</i> and <i>Treponema phagedenis</i> . <i>Journal of Bacteriology</i> , <b>1988</b> , 170, 4072-82	3.5	70
11	Identity of <i>Treponema pallidum</i> subsp. <i>pallidum</i> polypeptides: Correlation of sodium dodecyl sulfate-polyacrylamide gel electrophoresis results from different laboratories. <i>Electrophoresis</i> , <b>1987</b> , 8, 77-92	3.6	66
10	Serum requirement for the multiplication of <i>Treponema pallidum</i> in a tissue-culture system: association of growth-promoting activity with the protein fraction. <i>Sexually Transmitted Diseases</i> , <b>1986</b> , 13, 207-13	2.4	12
9	Purification of <i>Treponema pallidum</i> , Nichols strain, by Percoll density gradient centrifugation. <i>Sexually Transmitted Diseases</i> , <b>1984</b> , 11, 275-86	2.4	87
8	Demonstration of <i>Treponema pallidum</i> in a cutaneous gumma by indirect immunofluorescence. <i>Archives of Dermatology</i> , <b>1983</b> , 119, 677-680		3
7	The Microaerophilic Nature of <i>Treponema pallidum</i> . <i>Sexually Transmitted Diseases</i> , <b>1982</b> , 9, 1-8	2.4	18



6	In vitro cultivation of <i>Treponema pallidum</i> : independent confirmation. <i>Infection and Immunity</i> , <b>1982</b> , 36, 437-9	3-7	42
5	Long-term incorporation of tritiated adenine into deoxyribonucleic acid and ribonucleic acid by <i>Treponema pallidum</i> (Nichols strain). <i>Infection and Immunity</i> , <b>1980</b> , 29, 1040-9	3-7	10
4	Influence of oxygen tension, sulfhydryl compounds, and serum on the motility and virulence of <i>Treponema pallidum</i> (Nichols strain) in a cell-free system. <i>Infection and Immunity</i> , <b>1978</b> , 22, 689-97	3-7	23
3	Molecular Mechanism for Rotational Switching of the Bacterial Flagellar Motor		1
2	Comparative Pathogenomics of Spirochetes 141-159		
1	Origin of modern syphilis and emergence of a contemporary pandemic cluster		1