

Chunhao Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3292107/publications.pdf>

Version: 2024-02-01

44
papers

1,622
citations

304743

22
h-index

315739

38
g-index

44
all docs

44
docs citations

44
times ranked

1229
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptional and functional characterizations of multiple flagellin genes in spirochetes. <i>Molecular Microbiology</i> , 2022, 118, 175-190.	2.5	3
2	Genetic Manipulations of Oral Spirochete <i>Treponema denticola</i> . <i>Methods in Molecular Biology</i> , 2021, 2210, 15-23.	0.9	4
3	Atypical chemoreceptor arrays accommodate high membrane curvature. <i>Nature Communications</i> , 2020, 11, 5763.	12.8	20
4	Prevalence of phase variable epigenetic invertons among host-associated bacteria. <i>Nucleic Acids Research</i> , 2020, 48, 11468-11485.	14.5	20
5	Molecular mechanism for rotational switching of the bacterial flagellar motor. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1041-1047.	8.2	83
6	FlhF regulates the number and configuration of periplasmic flagella in <i>Borrelia burgdorferi</i> . <i>Molecular Microbiology</i> , 2020, 113, 1122-1139.	2.5	20
7	A pleiotropic role of FlaG in regulating the cell morphogenesis and flagellar homeostasis at the cell poles of <i>Treponema denticola</i> . <i>Cellular Microbiology</i> , 2019, 21, e12886.	2.1	9
8	HtrA-mediated selective degradation of DNA uptake apparatus accelerates termination of pneumococcal transformation. <i>Molecular Microbiology</i> , 2019, 112, 1308-1325.	2.5	22
9	A di-iron protein recruited as an Fe[II] and oxygen sensor for bacterial chemotaxis functions by stabilizing an iron-peroxy species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14955-14960.	7.1	23
10	Analysis of a flagellar filament cap mutant reveals that HtrA serine protease degrades unfolded flagellin protein in the periplasm of <i>Borrelia burgdorferi</i> . <i>Molecular Microbiology</i> , 2019, 111, 1652-1670.	2.5	18
11	Molecular Mechanisms of hsdS Inversions in the cod Locus of <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	26
12	Characterization of Stress and Innate Immunity Resistance of Wild-Type and Δ p66 <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2018, 86, .	2.2	11
13	Measuring <i>Borrelia burgdorferi</i> Motility and Chemotaxis. <i>Methods in Molecular Biology</i> , 2018, 1690, 313-317.	0.9	3
14	Cryo-electron tomography of periplasmic flagella in <i>Borrelia burgdorferi</i> reveals a distinct cytoplasmic ATPase complex. <i>PLoS Biology</i> , 2018, 16, e3000050.	5.6	21
15	Multiple domains of bacterial and human Lon proteases define substrate selectivity. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-18.	6.5	21
16	A novel glycan modifies the flagellar filament proteins of the oral bacterium <i>Treponema denticola</i> . <i>Molecular Microbiology</i> , 2017, 103, 67-85.	2.5	27
17	Lyme disease spirochaete <i>Borrelia burgdorferi</i> does not require thiamin. <i>Nature Microbiology</i> , 2017, 2, 16213.	13.3	26
18	<i>pyrF</i> as a Counterselectable Marker for Unmarked Genetic Manipulations in <i>Treponema denticola</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 1346-1352.	3.1	14

#	ARTICLE	IF	CITATIONS
19	Spirochaete flagella hook proteins self-catalyse a lysinoalanine covalent crosslink for motility. <i>Nature Microbiology</i> , 2016, 1, 16134.	13.3	27
20	Hypothetical Protein BB0569 Is Essential for Chemotaxis of the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2016, 198, 664-672.	2.2	13
21	Evidence that TP_0144 of <i>Treponema pallidum</i> Is a Thiamine-Binding Protein. <i>Journal of Bacteriology</i> , 2015, 197, 1164-1172.	2.2	7
22	Three Dimensional Visualization of Bacterial Type III Export Apparatus in the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>Microscopy and Microanalysis</i> , 2014, 20, 1180-1181.	0.4	5
23	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> , 2013, 110, 14390-14395.	7.1	99
24	Study of the Response Regulator Rrp1 Reveals Its Regulatory Role in Chitobiose Utilization and Virulence of <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2013, 81, 1775-1787.	2.2	63
25	A surface-exposed neuraminidase affects complement resistance and virulence of the oral spirochaete <i>Treponema denticola</i> . <i>Molecular Microbiology</i> , 2013, 89, 842-856.	2.5	39
26	Inactivation of Cyclic Di-GMP Binding Protein TDE0214 Affects the Motility, Biofilm Formation, and Virulence of <i>Treponema denticola</i> . <i>Journal of Bacteriology</i> , 2013, 195, 3897-3905.	2.2	41
27	<i>Borrelia burgdorferi</i> Needs Chemotaxis To Establish Infection in Mammals and To Accomplish Its Enzootic Cycle. <i>Infection and Immunity</i> , 2012, 80, 2485-2492.	2.2	62
28	A Single-Domain FlgJ Contributes to Flagellar Hook and Filament Formation in the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2012, 194, 866-874.	2.2	18
29	The Unique Paradigm of Spirochete Motility and Chemotaxis. <i>Annual Review of Microbiology</i> , 2012, 66, 349-370.	7.3	170
30	Two CheW coupling proteins are essential in a chemosensory pathway of <i>Borrelia burgdorferi</i> . <i>Molecular Microbiology</i> , 2012, 85, 782-794.	2.5	27
31	Carbon storage regulator A (CsrABb) is a repressor of <i>Borrelia burgdorferi</i> flagellin protein FlaB. <i>Molecular Microbiology</i> , 2011, 82, 851-864.	2.5	52
32	Disruption of a Type II Endonuclease (TDE0911) Enables <i>Treponema denticola</i> ATCC 35405 To Accept an Unmethylated Shuttle Vector. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4573-4578.	3.1	22
33	CheY3 of <i>Borrelia burgdorferi</i> Is the Key Response Regulator Essential for Chemotaxis and Forms a Long-Lived Phosphorylated Intermediate. <i>Journal of Bacteriology</i> , 2011, 193, 3332-3341.	2.2	36
34	The Riboswitch Regulates a Thiamine Pyrophosphate ABC Transporter of the Oral Spirochete <i>Treponema denticola</i> . <i>Journal of Bacteriology</i> , 2011, 193, 3912-3922.	2.2	26
35	Chemoreceptors and Flagellar Motors Are Subterminally Located in Close Proximity at the Two Cell Poles in Spirochetes. <i>Journal of Bacteriology</i> , 2011, 193, 2652-2656.	2.2	36
36	Inactivation of a putative flagellar motor switch protein FliG1 prevents <i>Borrelia burgdorferi</i> from swimming in highly viscous media and blocks its infectivity. <i>Molecular Microbiology</i> , 2010, 75, 1563-1576.	2.5	73

#	ARTICLE	IF	CITATIONS
37	Differential Regulation of the Multiple Flagellins in Spirochetes. <i>Journal of Bacteriology</i> , 2010, 192, 2596-2603.	2.2	22
38	Transcription and genetic analyses of a putative N-acetylmuramyl-l-alanine amidase in <i>Borrelia burgdorferi</i> . <i>FEMS Microbiology Letters</i> , 2008, 290, 164-173.	1.8	15
39	Genetic Analysis of Spirochete Flagellin Proteins and Their Involvement in Motility, Filament Assembly, and Flagellar Morphology. <i>Journal of Bacteriology</i> , 2008, 190, 5607-5615.	2.2	53
40	<i>Borrelia burgdorferi</i> Uniquely Regulates Its Motility Genes and Has an Intricate Flagellar Hook-Basal Body Structure. <i>Journal of Bacteriology</i> , 2008, 190, 1912-1921.	2.2	74
41	CheX Is a Phosphorylated CheY Phosphatase Essential for <i>Borrelia burgdorferi</i> Chemotaxis. <i>Journal of Bacteriology</i> , 2005, 187, 7963-7969.	2.2	59
42	Asymmetrical flagellar rotation in <i>Borrelia burgdorferi</i> nonchemotactic mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6169-6174.	7.1	77
43	The Spirochete FlaA Periplasmic Flagellar Sheath Protein Impacts Flagellar Helicity. <i>Journal of Bacteriology</i> , 2000, 182, 6698-6706.	2.2	65
44	Structure and Expression of the FlaA Periplasmic Flagellar Protein of <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 1998, 180, 2418-2425.	2.2	70