

Linden T Hu

List of Publications by Year in descending order

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76
papers

4,644
citations

109321

35
h-index

102487

66
g-index

81
all docs

81
docs citations

81
times ranked

3342
citing authors

#	ARTICLE	IF	CITATIONS
1	Two Controlled Trials of Antibiotic Treatment in Patients with Persistent Symptoms and a History of Lyme Disease. <i>New England Journal of Medicine</i> , 2001, 345, 85-92.	27.0	669
2	Of ticks, mice and men: understanding the dual-host lifestyle of Lyme disease spirochaetes. <i>Nature Reviews Microbiology</i> , 2012, 10, 87-99.	28.6	602
3	Lyme borreliosis. <i>Nature Reviews Disease Primers</i> , 2016, 2, 16090.	30.5	530
4	Diagnosis, Treatment, and Prevention of Lyme Disease, Human Granulocytic Anaplasmosis, and Babesiosis. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1767.	7.4	256
5	<i>Borrelia burgdorferi</i> , the Causative Agent of Lyme Disease, Forms Drug-Tolerant Persister Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4616-4624.	3.2	149
6	Identification of essential genes of the periodontal pathogen <i>Porphyromonas gingivalis</i> . <i>BMC Genomics</i> , 2012, 13, 578.	2.8	123
7	Xenodiagnosis to Detect <i>Borrelia burgdorferi</i> Infection: A First-in-Human Study. <i>Clinical Infectious Diseases</i> , 2014, 58, 937-945.	5.8	111
8	Intralaboratory reliability of serologic and urine testing for Lyme disease. <i>American Journal of Medicine</i> , 2001, 110, 217-219.	1.5	101
9	Evidence That the Variable Regions of the Central Domain of VlsE Are Antigenic during Infection with Lyme Disease Spirochetes. <i>Infection and Immunity</i> , 2002, 70, 4196-4203.	2.2	91
10	Distinct Roles for MyD88 and Toll-Like Receptors 2, 5, and 9 in Phagocytosis of <i>Borrelia burgdorferi</i> and Cytokine Induction. <i>Infection and Immunity</i> , 2008, 76, 2341-2351.	2.2	85
11	Identification of a TLR-Independent Pathway for <i>Borrelia burgdorferi</i> -Induced Expression of Matrix Metalloproteinases and Inflammatory Mediators through Binding to Integrin $\alpha 3 \beta 1$. <i>Journal of Immunology</i> , 2006, 177, 657-664.	0.8	66
12	Host metalloproteinases in Lyme arthritis. <i>Arthritis and Rheumatism</i> , 2001, 44, 1401-1410.	6.7	65
13	Induction of Host Matrix Metalloproteinases by <i>Borrelia burgdorferi</i> Differs in Human and Murine Lyme Arthritis. <i>Infection and Immunity</i> , 2005, 73, 126-134.	2.2	61
14	<i>Borrelia burgdorferi</i> BBB07 interaction with integrin $\alpha 3 \beta 1$ stimulates production of pro-inflammatory mediators in primary human chondrocytes. <i>Cellular Microbiology</i> , 2007, 10, 070908014424001-???	2.1	59
15	Understanding Barriers to <i>Borrelia burgdorferi</i> Dissemination during Infection Using Massively Parallel Sequencing. <i>Infection and Immunity</i> , 2013, 81, 2347-2357.	2.2	58
16	Human Integrin $\alpha 3 \beta 1$ Regulates TLR2 Recognition of Lipopeptides from Endosomal Compartments. <i>PLoS ONE</i> , 2010, 5, e12871.	2.5	56
17	Oral vaccination with vaccinia virus expressing the tick antigen subolesin inhibits tick feeding and transmission of <i>Borrelia burgdorferi</i> . <i>Vaccine</i> , 2012, 30, 6040-6046.	3.8	54
18	TRIF Mediates Toll-Like Receptor 2-Dependent Inflammatory Responses to <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2013, 81, 402-410.	2.2	54

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19	Protective efficacy of an oral vaccine to reduce carriage of <i>Borrelia burgdorferi</i> (strain N40) in mouse and tick reservoirs. <i>Vaccine</i> , 2006, 24, 1949-1957.	3.8	53
20	<i>Borrelia burgdorferi</i> - Induced Expression of Matrix Metalloproteinases from Human Chondrocytes Requires Mitogen-Activated Protein Kinase and Janus Kinase/Signal Transducer and Activator of Transcription Signaling Pathways. <i>Infection and Immunity</i> , 2004, 72, 2864-2871.	2.2	51
21	Effects of Environmental Changes on Expression of the Oligopeptide Permease (opp) Genes of <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2002, 184, 6198-6206.	2.2	50
22	MyD88 Deficiency Results in Tissue-Specific Changes in Cytokine Induction and Inflammation in Interleukin-18-Independent Mice Infected with <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2006, 74, 1462-1470.	2.2	49
23	Lyme Disease Pathogenesis. <i>Current Issues in Molecular Biology</i> , 2022, 42, 473-518.	2.4	49
24	Transposon mutagenesis as an approach to improved understanding of <i>Borrelia</i> pathogenesis and biology. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 63.	3.9	47
25	Global Tnâ€seq analysis of carbohydrate utilization and vertebrate infectivity of <i>Borrelia burgdorferi</i> . <i>Molecular Microbiology</i> , 2016, 101, 1003-1023.	2.5	47
26	Regulators of Expression of the Oligopeptide Permease A Proteins of <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2007, 189, 2653-2659.	2.2	45
27	Design of a broadly reactive Lyme disease vaccine. <i>Npj Vaccines</i> , 2020, 5, 33.	6.0	45
28	Analysis of Differences in the Functional Properties of the Substrate Binding Proteins of the <i>Borrelia burgdorferi</i> Oligopeptide Permease (opp) Operon. <i>Journal of Bacteriology</i> , 2004, 186, 51-60.	2.2	43
29	<i>Borrelia burgdorferi</i> intercepts host hormonal signals to regulate expression of outer surface protein A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7247-7252.	7.1	43
30	Development of a baited oral vaccine for use in reservoir-targeted strategies against Lyme disease. <i>Vaccine</i> , 2011, 29, 7818-7825.	3.8	41
31	Prevention of Lyme Disease and Other Tick-Borne Infections. <i>Infectious Disease Clinics of North America</i> , 2008, 22, 381-396.	5.1	40
32	Downstream Signals for MyD88-Mediated Phagocytosis of <i>Borrelia burgdorferi</i> Can Be Initiated by TRIF and Are Dependent on PI3K. <i>Journal of Immunology</i> , 2009, 183, 491-498.	0.8	40
33	Matrix Metalloproteinase 9 Plays a Key Role in Lyme Arthritis but Not in Dissemination of <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2009, 77, 2643-2649.	2.2	39
34	Functional testing of putative oligopeptide permease (Opp) proteins of <i>Borrelia burgdorferi</i> : a complementation model in <i>oppA</i> Escherichia coli. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1499, 222-231.	4.1	38
35	Phospholipid synthesis in <i>Borrelia burgdorferi</i> : BB0249 and BB0721 encode functional phosphatidylcholine synthase and phosphatidylglycerolphosphate synthase proteins. <i>Microbiology (United Kingdom)</i> , 2004, 150, 391-397.	1.8	36
36	Role of aggrecanase 1 in Lyme arthritis. <i>Arthritis and Rheumatism</i> , 2006, 54, 3319-3329.	6.7	36

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37	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> , 2017, 13, e1006225.	4.7	36
38	Host-pathogen interactions in the immunopathogenesis of Lyme disease. <i>Journal of Clinical Immunology</i> , 1997, 17, 354-365.	3.8	34
39	Nod2 Suppresses <i>Borrelia burgdorferi</i> Mediated Murine Lyme Arthritis and Carditis through the Induction of Tolerance. <i>PLoS ONE</i> , 2011, 6, e17414.	2.5	34
40	Soluble CD14 Levels in the Serum, Synovial Fluid, and Cerebrospinal Fluid of Patients with Various Stages of Lyme Disease. <i>Journal of Infectious Diseases</i> , 2000, 181, 1185-1188.	4.0	33
41	A selective antibiotic for Lyme disease. <i>Cell</i> , 2021, 184, 5405-5418.e16.	28.9	33
42	Lyme Disease. <i>Annals of Internal Medicine</i> , 2016, 164, ITC65.	3.9	29
43	Lyme Disease. <i>Annals of Internal Medicine</i> , 2012, 157, ITC2-1.	3.9	27
44	A Two-Component System Regulates Hemin Acquisition in <i>Porphyromonas gingivalis</i> . <i>PLoS ONE</i> , 2013, 8, e73351.	2.5	27
45	Lyme Arthritis. <i>Infectious Disease Clinics of North America</i> , 2005, 19, 947-961.	5.1	26
46	Pre-exposure Prophylaxis With OspA-Specific Human Monoclonal Antibodies Protects Mice Against Tick Transmission of Lyme Disease Spirochetes. <i>Journal of Infectious Diseases</i> , 2016, 214, 205-211.	4.0	26
47	Genome-wide screen identifies novel genes required for <i>Borrelia burgdorferi</i> survival in its Ixodes tick vector. <i>PLoS Pathogens</i> , 2019, 15, e1007644.	4.7	25
48	Live-vaccinia virus encapsulation in pH-sensitive polymer increases safety of a reservoir-targeted Lyme disease vaccine by targeting gastrointestinal release. <i>Vaccine</i> , 2016, 34, 4507-4513.	3.8	23
49	Nest box-deployed bait for delivering oral vaccines to white-footed mice. <i>Ticks and Tick-borne Diseases</i> , 2011, 2, 151-155.	2.7	21
50	Development of a vaccinia virus based reservoir-targeted vaccine against <i>Yersinia pestis</i> . <i>Vaccine</i> , 2010, 28, 7683-7689.	3.8	19
51	Identification of interspecies interactions affecting <i>Porphyromonas gingivalis</i> virulence phenotypes. <i>Journal of Oral Microbiology</i> , 2011, 3, 8396.	2.7	18
52	Identifying Vancomycin as an Effective Antibiotic for Killing <i>Borrelia burgdorferi</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	18
53	Host Metabolic Response in Early Lyme Disease. <i>Journal of Proteome Research</i> , 2020, 19, 610-623.	3.7	17
54	Phagocytic Receptors Activate Syk and Src Signaling during <i>Borrelia burgdorferi</i> Phagocytosis. <i>Infection and Immunity</i> , 2017, 85, .	2.2	16

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55	Adaptor Protein-3 Mediated Trafficking of TLR2 Ligands Controls Specificity of Inflammatory Responses but Not Adaptor Complex Assembly. <i>Journal of Immunology</i> , 2015, 195, 4331-4340.	0.8	15
56	Using Tn-seq To Identify Pigmentation-Related Genes of <i>Porphyromonas gingivalis</i> : Characterization of the Role of a Putative Glycosyltransferase. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	15
57	Interspecies Inhibition of <i>Porphyromonas gingivalis</i> by Yogurt-Derived <i>Lactobacillus delbrueckii</i> Requires Active Pyruvate Oxidase. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	15
58	Blocking <i>Borrelia burgdorferi</i> transmission from infected ticks to nonhuman primates with a human monoclonal antibody. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	15
59	Anti-OspA DNA-Encoded Monoclonal Antibody Prevents Transmission of Spirochetes in Tick Challenge Providing Sterilizing Immunity in Mice. <i>Journal of Infectious Diseases</i> , 2019, 219, 1146-1150.	4.0	13
60	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> , 2020, 16, e1008423.	4.7	13
61	Interactions between <i>Borrelia burgdorferi</i> and its hosts across the enzootic cycle. <i>Parasite Immunology</i> , 2021, 43, e12816.	1.5	13
62	Antiphospholipid autoantibodies in Lyme disease arise after scavenging of host phospholipids by <i>Borrelia burgdorferi</i> . <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	12
63	Defining Essential Genes and Identifying Virulence Factors of <i>Porphyromonas gingivalis</i> by Massively Parallel Sequencing of Transposon Libraries (Tn-seq). <i>Methods in Molecular Biology</i> , 2015, 1279, 25-43.	0.9	11
64	Post-treatment Lyme disease symptoms score: Developing a new tool for research. <i>PLoS ONE</i> , 2019, 14, e0225012.	2.5	10
65	Role of novel protein kinase C isoforms in Lyme arthritis. <i>Cellular Microbiology</i> , 2007, 9, 1987-1996.	2.1	9
66	Hydrogen peroxide-producing pyruvate oxidase from <i>Lactobacillus delbrueckii</i> is catalytically activated by phosphatidylethanolamine. <i>BMC Microbiology</i> , 2020, 20, 128.	3.3	9
67	Development of a capture sequencing assay for enhanced detection and genotyping of tick-borne pathogens. <i>Scientific Reports</i> , 2021, 11, 12384.	3.3	9
68	Identification and characterization of a minisatellite contained within a novel miniature inverted-repeat transposable element (MITE) of <i>Porphyromonas gingivalis</i> . <i>Mobile DNA</i> , 2015, 6, 18.	3.6	7
69	Case 24-2015. <i>New England Journal of Medicine</i> , 2015, 373, 468-475.	27.0	7
70	Innate Immune Memory to Repeated <i>Borrelia burgdorferi</i> Exposure Correlates with Murine In Vivo Inflammatory Phenotypes. <i>Journal of Immunology</i> , 2020, 205, 3383-3389.	0.8	6
71	Genetic Background Amplifies the Effect of Immunodeficiency in Antibiotic Efficacy Against <i>Borrelia burgdorferi</i> . <i>Journal of Infectious Diseases</i> , 2021, 224, 345-350.	4.0	6
72	Is there a place for xenodiagnosis in the clinic?. <i>Expert Review of Anti-Infective Therapy</i> , 2014, 12, 1307-1310.	4.4	5

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73	Controlling Lyme Disease: New Paradigms for Targeting the Tick-Pathogen-Reservoir Axis on the Horizon. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 607170.	3.9	3
74	Role of Adrenomedullin in Lyme Disease. <i>Infection and Immunity</i> , 2010, 78, 5307-5313.	2.2	2
75	Magnetic Isolation of Phagosomes Containing Toll-Like Receptor Ligands. <i>Methods in Molecular Biology</i> , 2018, 1690, 329-336.	0.9	1
76	Reply to Wormser. <i>Journal of Infectious Diseases</i> , 2022, 225, 1113-1113.	4.0	0