Linden T Hu

List of Publications by Year
in descending order

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	Lyme Disease Pathogenesis. Current Issues in Molecular Biology, 2022, 42, 473-518.	2.4	49
2	Reply to Wormser. Journal of Infectious Diseases, 2022, 225, 1113-1113.	4.0	0
3	Antiphospholipid autoantibodies in Lyme disease arise after scavenging of host phospholipids by Borrelia burgdorferi. Journal of Clinical Investigation, 2022, 132, .	8.2	12
4	Interactions between Borrelia burgdorferi and its hosts across the enzootic cycle. Parasite Immunology, 2021, 43, e12816.	1.5	13
5	Blocking Borrelia burgdorferi transmission from infected ticks to nonhuman primates with a human monoclonal antibody. Journal of Clinical Investigation, 2021, 131, .	8.2	15
6	Development of a capture sequencing assay for enhanced detection and genotyping of tick-borne pathogens. Scientific Reports, 2021, 11, 12384.	3.3	9
7	Genetic Background Amplifies the Effect of Immunodeficiency in Antibiotic Efficacy Against Borrelia burgdorferi. Journal of Infectious Diseases, 2021, 224, 345-350.	4.0	6
8	A selective antibiotic for Lyme disease. Cell, 2021, 184, 5405-5418.e16.	28.9	33
9	Host Metabolic Response in Early Lyme Disease. Journal of Proteome Research, 2020, 19, 610-623.	3.7	17
10	Controlling Lyme Disease: New Paradigms for Targeting the Tick-Pathogen-Reservoir Axis on the Horizon. Frontiers in Cellular and Infection Microbiology, 2020, 10, 607170.	3.9	3
11	Innate Immune Memory to Repeated Borrelia burgdorferi Exposure Correlates with Murine In Vivo Inflammatory Phenotypes. Journal of Immunology, 2020, 205, 3383-3389.	0.8	6
12	The intergenic small non-coding RNA ittA is required for optimal infectivity and tissue tropism in Borrelia burgdorferi. PLoS Pathogens, 2020, 16, e1008423.	4.7	13
13	Design of a broadly reactive Lyme disease vaccine. Npj Vaccines, 2020, 5, 33.	6.0	45
14	Hydrogen peroxide-producing pyruvate oxidase from Lactobacillus delbrueckii is catalytically activated by phosphotidylethanolamine. BMC Microbiology, 2020, 20, 128.	3.3	9
15	Genome-wide screen identifies novel genes required for Borrelia burgdorferi survival in its Ixodes tick vector. PLoS Pathogens, 2019, 15, e1007644.	4.7	25
16	Interspecies Inhibition of Porphyromonas gingivalis by Yogurt-Derived Lactobacillus delbrueckii Requires Active Pyruvate Oxidase. Applied and Environmental Microbiology, 2019, 85, .	3.1	15
17	Post-treatment Lyme disease symptoms score: Developing a new tool for research. PLoS ONE, 2019, 14, e0225012.	2.5	10
18	Anti-OspA DNA-Encoded Monoclonal Antibody Prevents Transmission of Spirochetes in Tick Challenge Providing Sterilizing Immunity in Mice. Journal of Infectious Diseases, 2019, 219, 1146-1150.	4.0	13

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19	Magnetic Isolation of Phagosomes Containing Toll-Like Receptor Ligands. Methods in Molecular Biology, 2018, 1690, 329-336.	0.9	1
20	Identifying Vancomycin as an Effective Antibiotic for Killing Borrelia burgdorferi. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	18
21	Using Tn-seq To Identify Pigmentation-Related Genes of Porphyromonas gingivalis: Characterization of the Role of a Putative Glycosyltransferase. Journal of Bacteriology, 2017, 199, .	2.2	15
22	Phagocytic Receptors Activate Syk and Src Signaling during Borrelia burgdorferi Phagocytosis. Infection and Immunity, 2017, 85, .	2.2	16
23	A high-throughput genetic screen identifies previously uncharacterized Borrelia burgdorferi genes important for resistance against reactive oxygen and nitrogen species. PLoS Pathogens, 2017, 13, e1006225.	4.7	36
24	Global Tnâ€seq analysis of carbohydrate utilization and vertebrate infectivity of Borrelia burgdorferi. Molecular Microbiology, 2016, 101, 1003-1023.	2.5	47
25	Lyme borreliosis. Nature Reviews Disease Primers, 2016, 2, 16090.	30.5	530
26	Diagnosis, Treatment, and Prevention of Lyme Disease, Human Granulocytic Anaplasmosis, and Babesiosis. JAMA - Journal of the American Medical Association, 2016, 315, 1767.	7.4	256
27	Live-vaccinia virus encapsulation in pH-sensitive polymer increases safety of a reservoir-targeted Lyme disease vaccine by targeting gastrointestinal release. Vaccine, 2016, 34, 4507-4513.	3.8	23
28	Lyme Disease. Annals of Internal Medicine, 2016, 164, ITC65.	3.9	29
29	Pre-exposure Prophylaxis With OspA-Specific Human Monoclonal Antibodies Protects Mice Against Tick Transmission of Lyme Disease Spirochetes. Journal of Infectious Diseases, 2016, 214, 205-211.	4.0	26
30	Identification and characterization of a minisatellite contained within a novel miniature inverted-repeat transposable element (MITE) of Porphyromonas gingivalis. Mobile DNA, 2015, 6, 18.	3.6	7
31	Borrelia burgdorferi, the Causative Agent of Lyme Disease, Forms Drug-Tolerant Persister Cells. Antimicrobial Agents and Chemotherapy, 2015, 59, 4616-4624.	3.2	149
32	Case 24-2015. New England Journal of Medicine, 2015, 373, 468-475.	27.0	7
33	Adaptor Protein-3â€“Mediated Trafficking of TLR2 Ligands Controls Specificity of Inflammatory Responses but Not Adaptor Complex Assembly. Journal of Immunology, 2015, 195, 4331-4340.	0.8	15
34	Defining Essential Genes and Identifying Virulence Factors of Porphyromonas gingivalis by Massively Parallel Sequencing of Transposon Libraries (Tn-seq). Methods in Molecular Biology, 2015, 1279, 25-43.	0.9	11
35	Transposon mutagenesis as an approach to improved understanding of Borrelia pathogenesis and biology. Frontiers in Cellular and Infection Microbiology, 2014, 4, 63.	3.9	47
36	Xenodiagnosis to Detect Borrelia burgdorferi Infection: A First-in-Human Study. Clinical Infectious Diseases, 2014, 58, 937-945.	5.8	111

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37	Is there a place for xenodiagnosis in the clinic?. Expert Review of Anti-Infective Therapy, 2014, 12, 1307-1310.	4.4	5
38	TRIF Mediates Toll-Like Receptor 2-Dependent Inflammatory Responses to Borrelia burgdorferi. Infection and Immunity, 2013, 81, 402-410.	2.2	54
39	Understanding Barriers to Borrelia burgdorferi Dissemination during Infection Using Massively Parallel Sequencing. Infection and Immunity, 2013, 81, 2347-2357.	2.2	58
40	A Two-Component System Regulates Hemin Acquisition in Porphyromonas gingivalis. PLoS ONE, 2013, 8, e73351.	2.5	27
41	Lyme Disease. Annals of Internal Medicine, 2012, 157, ITC2-1.	3.9	27
42	Oral vaccination with vaccinia virus expressing the tick antigen subolesin inhibits tick feeding and transmission of Borrelia burgdorferi. Vaccine, 2012, 30, 6040-6046.	3.8	54
43	Identification of essential genes of the periodontal pathogen Porphyromonas gingivalis. BMC Genomics, 2012, 13, 578.	2.8	123
44	Of ticks, mice and men: understanding the dual-host lifestyle of Lyme disease spirochaetes. Nature Reviews Microbiology, 2012, 10, 87-99.	28.6	602
45	Development of a baited oral vaccine for use in reservoir-targeted strategies against Lyme disease. Vaccine, 2011, 29, 7818-7825.	3.8	41
46	Nest box-deployed bait for delivering oral vaccines to white-footed mice. Ticks and Tick-borne Diseases, 2011, 2, 151-155.	2.7	21
47	Identification of interspecies interactions affectingPorphyromonas gingivalisvirulence phenotypes. Journal of Oral Microbiology, 2011, 3, 8396.	2.7	18
48	Nod2 Suppresses Borrelia burgdorferi Mediated Murine Lyme Arthritis and Carditis through the Induction of Tolerance. PLoS ONE, 2011, 6, e17414.	2.5	34
49	Role of Adrenomedullin in Lyme Disease. Infection and Immunity, 2010, 78, 5307-5313.	2.2	2
50	Development of a vaccinia virus based reservoir-targeted vaccine against Yersinia pestis. Vaccine, 2010, 28, 7683-7689.	3.8	19
51	Human Integrin Î±3Î²1 Regulates TLR2 Recognition of Lipopeptides from Endosomal Compartments. PLoS ONE, 2010, 5, e12871.	2.5	56
52	Downstream Signals for MyD88-Mediated Phagocytosis of Borrelia burgdorferi Can Be Initiated by TRIF and Are Dependent on PI3K. Journal of Immunology, 2009, 183, 491-498.	0.8	40
53	Matrix Metalloproteinase 9 Plays a Key Role in Lyme Arthritis but Not in Dissemination of Borrelia burgdorferi. Infection and Immunity, 2009, 77, 2643-2649.	2.2	39
54	Prevention of Lyme Disease and Other Tick-Borne Infections. Infectious Disease Clinics of North America, 2008, 22, 381-396.	5.1	40

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55	Distinct Roles for MyD88 and Toll-Like Receptors 2, 5, and 9 in Phagocytosis ofBorrelia burgdorferiand Cytokine Induction. Infection and Immunity, 2008, 76, 2341-2351.	2.2	85
56	Regulators of Expression of the Oligopeptide Permease A Proteins of Borrelia burgdorferi. Journal of Bacteriology, 2007, 189, 2653-2659.	2.2	45
57	Borrelia burgdorferi intercepts host hormonal signals to regulate expression of outer surface protein A. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7247-7252.	7.1	43
58	Role of novel protein kinase C isoforms in Lyme arthritis. Cellular Microbiology, 2007, 9, 1987-1996.	2.1	9
59	Borrelia burgdorferi BBB07 interaction with integrin ?₃?₁stimulates production of pro-inflammatory mediators in primary human chondrocytes. Cellular Microbiology, 2007, 10, 070908014424001-???.	2.1	59
60	Protective efficacy of an oral vaccine to reduce carriage of Borrelia burgdorferi (strain N40) in mouse and tick reservoirs. Vaccine, 2006, 24, 1949-1957.	3.8	53
61	Role of aggrecanase 1 in Lyme arthritis. Arthritis and Rheumatism, 2006, 54, 3319-3329.	6.7	36
62	Identification of a TLR-Independent Pathway forBorrelia burgdorferi-Induced Expression of Matrix Metalloproteinases and Inflammatory Mediators through Binding to Integrin Î±3Î²1. Journal of Immunology, 2006, 177, 657-664.	0.8	66
63	MyD88 Deficiency Results in Tissue-Specific Changes in Cytokine Induction and Inflammation in Interleukin-18-Independent Mice Infected with Borrelia burgdorferi. Infection and Immunity, 2006, 74, 1462-1470.	2.2	49
64	Induction of Host Matrix Metalloproteinases by Borrelia burgdorferi Differs in Human and Murine Lyme Arthritis. Infection and Immunity, 2005, 73, 126-134.	2.2	61
65	Lyme Arthritis. Infectious Disease Clinics of North America, 2005, 19, 947-961.	5.1	26
66	Phospholipid synthesis in Borrelia burgdorferi: BB0249 and BB0721 encode functional phosphatidylcholine synthase and phosphatidylglycerolphosphate synthase proteins. Microbiology (United Kingdom), 2004, 150, 391-397.	1.8	36
67	Borrelia burgdorferi- Induced Expression of Matrix Metalloproteinases from Human Chondrocytes Requires Mitogen-Activated Protein Kinase and Janus Kinase/Signal Transducer and Activator of Transcription Signaling Pathways. Infection and Immunity, 2004, 72, 2864-2871.	2.2	51
68	Analysis of Differences in the Functional Properties of the Substrate Binding Proteins of the Borrelia burgdorferi Oligopeptide Permease (opp) Operon. Journal of Bacteriology, 2004, 186, 51-60.	2.2	43
69	Evidence That the Variable Regions of the Central Domain of VlsE Are Antigenic during Infection with Lyme Disease Spirochetes. Infection and Immunity, 2002, 70, 4196-4203.	2.2	91
70	Effects of Environmental Changes on Expression of the Oligopeptide Permease (opp) Genes of Borrelia burgdorferi. Journal of Bacteriology, 2002, 184, 6198-6206.	2.2	50
71	Intralaboratory reliability of serologic and urine testing for Lyme disease. American Journal of Medicine, 2001, 110, 217-219.	1.5	101
72	Functional testing of putative oligopeptide permease (Opp) proteins of Borrelia burgdorferi: a complementation model in oppâ¯ Escherichia coli. Biochimica Et Biophysica Acta - Molecular Cell Research, 2001, 1499, 222-231.	4.1	38

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73	Host metalloproteinases in Lyme arthritis. Arthritis and Rheumatism, 2001, 44, 1401-1410.	6.7	65
74	Two Controlled Trials of Antibiotic Treatment in Patients with Persistent Symptoms and a History of Lyme Disease. New England Journal of Medicine, 2001, 345, 85-92.	27.0	669
75	Soluble CD14 Levels in the Serum, Synovial Fluid, and Cerebrospinal Fluid of Patients with Various Stages of Lyme Disease. Journal of Infectious Diseases, 2000, 181, 1185-1188.	4.0	33
76	Host-pathogen interactions in the immunopathogenesis of Lyme disease. Journal of Clinical Immunology, 1997, 17, 354-365.	3.8	34