Yi-Pin Lin

List of Publications by Year
in descending order

53	1,737	236925 25	302126 39
papers	citations	h-index	g-index

59	59	59	1295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Insights Into CRASP-Mediated Complement Evasion in the Lyme Disease Enzootic Cycle. Frontiers in Cellular and Infection Microbiology, 2020, 10, 1.	3.9	175
2	Repeated Domains of Leptospira Immunoglobulin-like Proteins Interact with Elastin and Tropoelastin. Journal of Biological Chemistry, 2009, 284, 19380-19391.	3.4	107
3	Borrelia burgdorferiouter surface protein C (OspC) binds complement component C4b and confers bloodstream survival. Cellular Microbiology, 2017, 19, e12786.	2.1	96
4	Strain-Specific Variation of the Decorin-Binding Adhesin DbpA Influences the Tissue Tropism of the Lyme Disease Spirochete. PLoS Pathogens, 2014, 10, e1004238.	4.7	79
5	Vascular binding of a pathogen under shear force through mechanistically distinct sequential interactions with host macromolecules. Molecular Microbiology, 2012, 86, 1116-1131.	2.5	75
6	A domain of the Leptospira LigB contributes to high affinity binding of fibronectin. Biochemical and Biophysical Research Communications, 2007, 362, 443-448.	2.1	74
7	Calcium Binds to Leptospiral Immunoglobulin-like Protein, LigB, and Modulates Fibronectin Binding. Journal of Biological Chemistry, 2008, 283, 25140-25149.	3.4	63
8	Polymorphic factor H-binding activity of CspA protects Lyme borreliae from the host complement in feeding ticks to facilitate tick-to-host transmission. PLoS Pathogens, 2018, 14, e1007106.	4.7	63
9	Allelic Variation of the Lyme Disease Spirochete Adhesin DbpA Influences Spirochetal Binding to Decorin, Dermatan Sulfate, and Mammalian Cells. Infection and Immunity, 2011, 79, 3501-3509.	2.2	62
10	The Terminal Immunoglobulin-Like Repeats of LigA and LigB of Leptospira Enhance Their Binding to Gelatin Binding Domain of Fibronectin and Host Cells. PLoS ONE, 2010, 5, e11301.	2.5	61
11	Glycosaminoglycan binding byBorrelia burgdorferiadhesin BBK32 specifically and uniquely promotes joint colonization. Cellular Microbiology, 2015, 17, 860-875.	2.1	57
12	Fibronectin Binds to and Induces Conformational Change in a Disordered Region of Leptospiral Immunoglobulin-like Protein B. Journal of Biological Chemistry, 2009, 284, 23547-23557.	3.4	54
13	The C-terminal variable domain of LigB fromLeptospiramediates binding to fibronectin. Journal of Veterinary Science, 2008, 9, 133.	1.3	48
14	Blood treatment of Lyme borreliae demonstrates the mechanism of <scp>CspZ</scp> â€mediated complement evasion to promote systemic infection in vertebrate hosts. Cellular Microbiology, 2019, 21, e12998.	2.1	47
15	Complement Evasion Contributes to Lyme Borreliaeâ€“Host Associations. Trends in Parasitology, 2020, 36, 634-645.	3.3	46
16	Leptospira immunoglobulinâ€like protein B (LigB) binding to the Câ€terminal fibrinogen Î±C domain inhibits fibrin clot formation, platelet adhesion and aggregation. Molecular Microbiology, 2011, 79, 1063-1076.	2.5	42
17	Integrin binding by<scp>B</scp>orrelia burgdorferiâ€...<scp>P</scp>66 facilitates dissemination but is not required for infectivity. Cellular Microbiology, 2015, 17, 1021-1036.	2.1	39
18	Outer surface protein polymorphisms linked to hostâ€spirochete association in Lyme borreliae. Molecular Microbiology, 2019, 111, 868-882.	2.5	36

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19	A novel fibronectin type III module binding motif identified on C-terminus of Leptospira immunoglobulin-like protein, LigB. Biochemical and Biophysical Research Communications, 2009, 389, 57-62.	2.1	35
20	Manganese Binds to Clostridium difficile Fbp68 and Is Essential for Fibronectin Binding. Journal of Biological Chemistry, 2011, 286, 3957-3969.	3.4	34
21	Eliminating Factor H-Binding Activity of Borrelia burgdorferi CspZ Combined with Virus-Like Particle Conjugation Enhances Its Efficacy as a Lyme Disease Vaccine. Frontiers in Immunology, 2018, 9, 181.	4.8	32
22	Strain-specific joint invasion and colonization by Lyme disease spirochetes is promoted by outer surface protein C. PLoS Pathogens, 2020, 16, e1008516.	4.7	32
23	Host cell heparan sulfate glycosaminoglycans are ligands for OspF-related proteins of the Lyme disease spirochete. Cellular Microbiology, 2015, 17, 1464-1476.	2.1	29
24	The Structure of Treponema pallidum Tp0751 (Pallilysin) Reveals a Non-canonical Lipocalin Fold That Mediates Adhesion to Extracellular Matrix Components and Interactions with Host Cells. PLoS Pathogens, 2016, 12, e1005919.	4.7	29
25	Plasticity in early immune evasion strategies of a bacterial pathogen. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3788-E3797.	7.1	29
26	There Is a Method to the Madness: Strategies to Study Host Complement Evasion by Lyme Disease and Relapsing Fever Spirochetes. Frontiers in Microbiology, 2017, 8, 328.	3.5	26
27	Identification of Lysine Residues in the Borrelia burgdorferi DbpA Adhesin Required for Murine Infection. Infection and Immunity, 2014, 82, 3186-3198.	2.2	25
28	Borrelia burgdorferi glycosaminoglycan-binding proteins: a potential target for new therapeutics against Lyme disease. Microbiology (United Kingdom), 2017, 163, 1759-1766.	1.8	25
29	Immunogenicity of the Lyme disease antigen OspA, particleized by cobalt porphyrin-phospholipid liposomes. Vaccine, 2020, 38, 942-950.	3.8	23
30	Middle region of theBorrelia burgdorferisurface-located protein 1 (Lmp1) interacts with host chondroitin-6-sulfate and independently facilitates infection. Cellular Microbiology, 2016, 18, 97-110.	2.1	22
31	Further Insights Into the Interaction of Human and Animal Complement Regulator Factor H With Viable Lyme Disease Spirochetes. Frontiers in Veterinary Science, 2018, 5, 346.	2.2	22
32	A fluorescent plasmonic biochip assay for multiplex screening of diagnostic serum antibody targets in human Lyme disease. PLoS ONE, 2020, 15, e0228772.	2.5	18
33	Identification of Lyme borreliae proteins promoting vertebrate host blood-specific spirochete survival in Ixodes scapularis nymphs using artificial feeding chambers. Ticks and Tick-borne Diseases, 2018, 9, 1057-1063.	2.7	16
34	Host tropism determination by convergent evolution of immunological evasion in the Lyme disease system. PLoS Pathogens, 2021, 17, e1009801.	4.7	16
35	Leptospira Immunoglobulin-Like Protein B (LigB) Binds to Both the C-Terminal 23 Amino Acids of Fibrinogen Î±C Domain and Factor XIII: Insight into the Mechanism of LigB-Mediated Blockage of Fibrinogen Î± Chain Cross-Linking. PLoS Neglected Tropical Diseases, 2016, 10, e0004974.	3.0	13
36	The Factor H-Binding Site of CspZ as a Protective Target against Multistrain, Tick-Transmitted Lyme Disease. Infection and Immunity, 2020, 88, .	2.2	13

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37	Non-anticoagulant Heparin as a Pre-exposure Prophylaxis Prevents Lyme Disease Infection. ACS Infectious Diseases, 2020, 6, 503-514.	3.8	12
38	Extended low-resolution structure of a Leptospira antigen offers high bactericidal antibody accessibility amenable to vaccine design. ELife, 2017, 6, .	6.0	12
39	A soft tick Ornithodoros moubata salivary protein OmCI is a potent inhibitor to prevent avian complement activation. Ticks and Tick-borne Diseases, 2020, 11, 101354.	2.7	11
40	Recent Strategies for the Diagnosis of Early Lyme Disease. Science Progress, 2018, 101, 311-331.	1.9	9
41	Antigen Engineering Approaches for Lyme Disease Vaccines. Bioconjugate Chemistry, 2019, 30, 1259-1272.	3.6	9
42	Cellular and immunological mechanisms influence host-adapted phenotypes in a vector-borne microparasite. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212087.	2.6	9
43	VlsE, the nexus for antigenic variation of the Lyme disease spirochete, also mediates early bacterial attachment to the host microvasculature under shear force. PLoS Pathogens, 2022, 18, e1010511.	4.7	4
44	CspZ FH-Binding Sites as Epitopes Promote Antibody-Mediated Lyme Borreliae Clearance. Infection and Immunity, 2022, 90, .	2.2	3
45	Characterization of Borrelia burgdorferi Binding to Mammalian Cells and Extracellular Matrix. Methods in Molecular Biology, 2018, 1690, 57-67.	0.9	2
46	Past, present, and future of Lyme disease vaccines: antigen engineering approaches and mechanistic insights. Expert Review of Vaccines, 2022, 21, 1405-1417.	4.4	1
47	P1.29â€...Attachment of the syphilis spirochete,treponema pallidum, to the vascular endothelium. , 2017, , .		0
48	The Borrelia burgdorferi adhesin DbpA is bifunctional, binding to extracellular matrix to foster tissue colonization and to the host complement regulatory protein C4BP to promote bloodstream survival. FASEB Journal, 2013, 27, lb496.	0.5	0
49	Utilizing Two Borrelia bavariensis Isolates Naturally Lacking the PFam54 Gene Array To Elucidate the Roles of PFam54-Encoded Proteins. Applied and Environmental Microbiology, 2022, 88, AEM0155521.	3.1	0
50	Title is missing!. , 2020, 15, e0228772.		0
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