

Elsio A Wunder

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,923
citations

186254
28
h-index

182417
51
g-index

73
all docs

73
docs citations

73
times ranked

3562
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Evidence for a Potential Environmental Pathway to Spillover Infection of Rat-Borne Leptospirosis. <i>Journal of Infectious Diseases</i> , 2022, 225, 130-134.	4.0	7
2	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. <i>Nature Communications</i> , 2022, 13, 1547.	12.8	159
3	Rainfall and other meteorological factors as drivers of urban transmission of leptospirosis. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0007507.	3.0	12
4	Biannual and Quarterly Comparison Analysis of Agglutinating Antibody Kinetics on a Subcohort of Individuals Exposed to <i>Leptospira interrogans</i> in Salvador, Brazil. <i>Frontiers in Medicine</i> , 2022, 9, 862378.	2.6	1
5	Amplification of pathogenic <i>Leptospira</i> infection with greater abundance and co-occurrence of rodent hosts across a counter-urbanizing landscape. <i>Molecular Ecology</i> , 2021, 30, 2145-2161.	3.9	6
6	A live attenuated-vaccine model confers cross-protective immunity against different species of the <i>Leptospira</i> genus. <i>ELife</i> , 2021, 10, .	6.0	24
7	Inactivation of the antimicrobial peptide LL-37 by pathogenic <i>Leptospira</i> . <i>Microbial Pathogenesis</i> , 2021, 150, 104704.	2.9	4
8	Developmental outcomes in children exposed to Zika virus in utero from a Brazilian urban slum cohort study. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009162.	3.0	22
9	Social determinants associated with Zika virus infection in pregnant women. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009612.	3.0	5
10	Heterogeneous development of children with Congenital Zika Syndrome-associated microcephaly. <i>PLoS ONE</i> , 2021, 16, e0256444.	2.5	9
11	Risk of Sexually Transmitted Zika Virus in a Cohort of Economically Disadvantaged Urban Residents. <i>Journal of Infectious Diseases</i> , 2021, 224, 860-864.	4.0	8
12	High-resolution epitope mapping and characterization of SARS-CoV-2 antibodies in large cohorts of subjects with COVID-19. <i>Communications Biology</i> , 2021, 4, 1317.	4.4	27
13	Effect of Sewerage on the Contamination of Soil with Pathogenic <i>Leptospira</i> in Urban Slums. <i>Environmental Science & Technology</i> , 2021, 55, 15882-15890.	10.0	3
14	Sero-prevalence of anti- <i>Leptospira</i> antibodies and associated risk factors in rural Rwanda: A cross-sectional study. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009708.	3.0	4
15	Escape of TLR5 Recognition by <i>Leptospira</i> spp.: A Rationale for Atypical Endoflagella. <i>Frontiers in Immunology</i> , 2020, 11, 2007.	4.8	21
16	Influence of Rainfall on <i>Leptospira</i> Infection and Disease in a Tropical Urban Setting, Brazil. <i>Emerging Infectious Diseases</i> , 2020, 26, 311-314.	4.3	32
17	Spatial and Simultaneous Seroprevalence of Anti- <i>Leptospira</i> Antibodies in Owners and Their Domiciled Dogs in a Major City of Southern Brazil. <i>Frontiers in Veterinary Science</i> , 2020, 7, 580400.	2.2	10
18	<i>Leptospira yasudae</i> sp. nov. and <i>Leptospira stimsonii</i> sp. nov., two new species of the pathogenic group isolated from environmental sources. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1450-1456.	1.7	43

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19	An asymmetric sheath controls flagellar supercoiling and motility in the leptospira spirochete. ELife, 2020, 9, .	6.0	26
20	Cell Monolayer Translocation Assay. Methods in Molecular Biology, 2020, 2134, 161-170.	0.9	0
21	Risk of Zika microcephaly correlates with features of maternal antibodies. Journal of Experimental Medicine, 2019, 216, 2302-2315.	8.5	41
22	Mechanistic doseâ€“response modelling of animal challenge data shows that intact skin is a crucial barrier to leptospiral infection. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190367.	4.0	14
23	Seroprevalence, Risk Factors, and Rodent Reservoirs of Leptospirosis in an Urban Community of Puerto Rico, 2015. Journal of Infectious Diseases, 2019, 220, 1489-1497.	4.0	23
24	Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. Science, 2019, 363, 607-610.	12.6	202
25	Leptospira dzianensis and Leptospira putramalaysiae are later heterotypic synonyms of Leptospira yasudae and Leptospira stimsonii. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	1.7	10
26	Elevated Activation of Neutrophil Toll-Like Receptors in Patients with Acute Severe Leptospirosis: An Observational Study. American Journal of Tropical Medicine and Hygiene, 2019, 101, 585-589.	1.4	5
27	Novel Architecture and Composition of a Bacterial Flagellum in the Spirochete Leptospira biflexa. Biophysical Journal, 2018, 114, 371a.	0.5	0
28	Quantification of Leptospira interrogans Survival in Soil and Water Microcosms. Applied and Environmental Microbiology, 2018, 84, .	3.1	88
29	Spatial and temporal dynamics of pathogenic Leptospira in surface waters from the urban slum environment. Water Research, 2018, 130, 176-184.	11.3	54
30	Editorial: Pathogenesis of Leptospira. Frontiers in Cellular and Infection Microbiology, 2018, 8, 322.	3.9	5
31	Quantification of pathogenic Leptospira in the soils of a Brazilian urban slum. PLoS Neglected Tropical Diseases, 2018, 12, e0006415.	3.0	53
32	Lvr, a Signaling System That Controls Global Gene Regulation and Virulence in Pathogenic Leptospira. Frontiers in Cellular and Infection Microbiology, 2018, 8, 45.	3.9	19
33	FcpB Is a Surface Filament Protein of the Endoflagellum Required for the Motility of the Spirochete Leptospira. Frontiers in Cellular and Infection Microbiology, 2018, 8, 130.	3.9	20
34	Genomic Comparison Among Global Isolates of L. interrogans Serovars Copenhageni and Icterohaemorrhagiae Identified Natural Genetic Variation Caused by an Indel. Frontiers in Cellular and Infection Microbiology, 2018, 8, 193.	3.9	39
35	Prospective evaluation of accuracy and clinical utility of the Dual Path Platform (DPP) assay for the point-of-care diagnosis of leptospirosis in hospitalized patients. PLoS Neglected Tropical Diseases, 2018, 12, e0006285.	3.0	12
36	Crystallization of FcpA from Leptospira, a novel flagellar protein that is essential for pathogenesis. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 123-129.	0.8	13

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37	Recurrent Potent Human Neutralizing Antibodies to Zika Virus in Brazil and Mexico. <i>Cell</i> , 2017, 169, 597-609.e11.	28.9	279
38	Distinct antibody responses of patients with mild and severe leptospirosis determined by whole proteome microarray analysis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005349.	3.0	26
39	Rapid, actionable diagnosis of urban epidemic leptospirosis using a pathogenic <i>Leptospira</i> lipL32-based real-time PCR assay. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005940.	3.0	36
40	What Makes a Bacterial Species Pathogenic?:Comparative Genomic Analysis of the Genus <i>Leptospira</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004403.	3.0	253
41	A novel flagellar sheath protein, FcpA, determines filament coiling, translational motility and virulence for the <i>Leptospira</i> spirochete. <i>Molecular Microbiology</i> , 2016, 101, 457-470.	2.5	93
42	Real-Time PCR Reveals Rapid Dissemination of <i>Leptospira</i> interrogans after Intraperitoneal and Conjunctival Inoculation of Hamsters. <i>Infection and Immunity</i> , 2016, 84, 2105-2115.	2.2	94
43	<i>Leptospira</i> in breast tissue and milk of urban Norway rats (<i>Rattus norvegicus</i>). <i>Epidemiology and Infection</i> , 2016, 144, 2420-2429.	2.1	30
44	Acquisition of negative complement regulators by the saprophyte <i>Leptospira biflexa</i> expressing LigA or LigB confers enhanced survival in human serum. <i>Immunology Letters</i> , 2016, 173, 61-68.	2.5	33
45	Spatiotemporal Determinants of Urban Leptospirosis Transmission: Four-Year Prospective Cohort Study of Slum Residents in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004275.	3.0	139
46	Cathelicidin Insufficiency in Patients with Fatal Leptospirosis. <i>PLoS Pathogens</i> , 2016, 12, e1005943.	4.7	22
47	Patterns in <i>Leptospira</i> Shedding in Norway Rats (<i>Rattus norvegicus</i>) from Brazilian Slum Communities at High Risk of Disease Transmission. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003819.	3.0	124
48	Proteomic Features Predict Seroreactivity against <i>Leptospiral</i> Antigens in Leptospirosis Patients. <i>Journal of Proteome Research</i> , 2015, 14, 549-556.	3.7	12
49	Efficient Detection of Pathogenic <i>Leptospire</i> s Using 16S Ribosomal RNA. <i>PLoS ONE</i> , 2015, 10, e0128913.	2.5	35
50	Identification of Cell-Binding Adhesins of <i>Leptospira</i> interrogans. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3215.	3.0	30
51	Post-translational Modification of LipL32 during <i>Leptospira</i> interrogans Infection. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3280.	3.0	37
52	Unsuspected Leptospirosis Is a Cause of Acute Febrile Illness in Nicaragua. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2941.	3.0	33
53	A Putative Regulatory Genetic Locus Modulates Virulence in the Pathogen <i>Leptospira</i> interrogans. <i>Infection and Immunity</i> , 2014, 82, 2542-2552.	2.2	43
54	Infections by <i>Leptospira</i> interrogans, Seoul Virus, and <i>Bartonella</i> spp. Among Norway Rats (<i>Rattus norvegicus</i>) from the Urban Slum Environment in Brazil. <i>Vector-Borne and Zoonotic Diseases</i> , 2014, 14, 33-40.	1.5	116

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55	Identification of Seroreactive Proteins of <i>Leptospira interrogans</i> Serovar Copenhageni Using a High-Density Protein Microarray Approach. PLoS Neglected Tropical Diseases, 2013, 7, e2499.	3.0	41
56	<i>Leptospira interrogans</i> Enolase Is Secreted Extracellularly and Interacts with Plasminogen. PLoS ONE, 2013, 8, e78150.	2.5	37
57	Inactivation of <i>clpB</i> in the Pathogen <i>Leptospira interrogans</i> Reduces Virulence and Resistance to Stress Conditions. Infection and Immunity, 2011, 79, 3711-3717.	2.2	90
58	Major Surface Protein LipL32 Is Not Required for Either Acute or Chronic Infection with <i>Leptospira interrogans</i> . Infection and Immunity, 2009, 77, 952-958.	2.2	111
59	Etiologia de la mastitis bovina producida por levaduras en el sur de Brasil. Revista Iberoamericana De Micologia, 2008, 25, 154-156.	0.9	30
60	Targeted Mutagenesis in Pathogenic <i>Leptospira</i> Species: Disruption of the LigB Gene Does Not Affect Virulence in Animal Models of Leptospirosis. Infection and Immunity, 2008, 76, 5826-5833.	2.2	98
61	Diagnostic survey of bovine abortion with special reference to <i>Neospora caninum</i> infection: Importance, repeated abortion and concurrent infection in aborted fetuses in Southern Brazil. Veterinary Journal, 2006, 172, 114-120.	1.7	40