

Elsio A Wunder

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,923
citations

212478

28
h-index

206121

51
g-index

73
all docs

73
docs citations

73
times ranked

3834
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. | 1.9 | 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. | 5.8 | 159 |
| 3 | Rainfall and other meteorological factors as drivers of urban transmission of leptospirosis. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0007507. | 1.3 | 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. | 1.2 | 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. | 2.0 | 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, . | 2.8 | 24 |
| 7 | Inactivation of the antimicrobial peptide LL-37 by pathogenic <i>Leptospira</i> . <i>Microbial Pathogenesis</i> , 2021, 150, 104704. | 1.3 | 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. | 1.3 | 22 |
| 9 | Social determinants associated with Zika virus infection in pregnant women. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009612. | 1.3 | 5 |
| 10 | Heterogeneous development of children with Congenital Zika Syndrome-associated microcephaly. <i>PLoS ONE</i> , 2021, 16, e0256444. | 1.1 | 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. | 1.9 | 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. | 2.0 | 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. | 4.6 | 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. | 1.3 | 4 |
| 15 | Escape of TLR5 Recognition by <i>Leptospira</i> spp.: A Rationale for Atypical Endoflagella. <i>Frontiers in Immunology</i> , 2020, 11, 2007. | 2.2 | 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. | 2.0 | 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. | 0.9 | 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. | 0.8 | 43 |

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|----|--|-----|-----------|
| 19 | An asymmetric sheath controls flagellar supercoiling and motility in the leptospira spirochete. <i>ELife</i> , 2020, 9, . | 2.8 | 26 |
| 20 | Cell Monolayer Translocation Assay. <i>Methods in Molecular Biology</i> , 2020, 2134, 161-170. | 0.4 | 0 |
| 21 | Risk of Zika microcephaly correlates with features of maternal antibodies. <i>Journal of Experimental Medicine</i> , 2019, 216, 2302-2315. | 4.2 | 41 |
| 22 | Mechanistic dose-response modelling of animal challenge data shows that intact skin is a crucial barrier to leptospiral infection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190367. | 1.8 | 14 |
| 23 | Seroprevalence, Risk Factors, and Rodent Reservoirs of Leptospirosis in an Urban Community of Puerto Rico, 2015. <i>Journal of Infectious Diseases</i> , 2019, 220, 1489-1497. | 1.9 | 23 |
| 24 | Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. <i>Science</i> , 2019, 363, 607-610. | 6.0 | 202 |
| 25 | <i>Leptospira dzianensis</i> and <i>Leptospira putramalaysiae</i> are later heterotypic synonyms of <i>Leptospira yasudae</i> and <i>Leptospira stimsonii</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, . | 0.8 | 10 |
| 26 | Elevated Activation of Neutrophil Toll-Like Receptors in Patients with Acute Severe Leptospirosis: An Observational Study. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 585-589. | 0.6 | 5 |
| 27 | Novel Architecture and Composition of a Bacterial Flagellum in the Spirochete <i>Leptospira biflexa</i> . <i>Biophysical Journal</i> , 2018, 114, 371a. | 0.2 | 0 |
| 28 | Quantification of <i>Leptospira interrogans</i> Survival in Soil and Water Microcosms. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 88 |
| 29 | Spatial and temporal dynamics of pathogenic <i>Leptospira</i> in surface waters from the urban slum environment. <i>Water Research</i> , 2018, 130, 176-184. | 5.3 | 54 |
| 30 | Editorial: Pathogenesis of <i>Leptospira</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 322. | 1.8 | 5 |
| 31 | Quantification of pathogenic <i>Leptospira</i> in the soils of a Brazilian urban slum. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006415. | 1.3 | 53 |
| 32 | Lvr, a Signaling System That Controls Global Gene Regulation and Virulence in Pathogenic <i>Leptospira</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 45. | 1.8 | 19 |
| 33 | FcpB Is a Surface Filament Protein of the Endoflagellum Required for the Motility of the Spirochete <i>Leptospira</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 130. | 1.8 | 20 |
| 34 | Genomic Comparison Among Global Isolates of <i>L. interrogans</i> Serovars Copenhageni and Icterohaemorrhagiae Identified Natural Genetic Variation Caused by an Indel. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 193. | 1.8 | 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. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006285. | 1.3 | 12 |
| 36 | Crystallization of FcpA from <i>Leptospira</i> , a novel flagellar protein that is essential for pathogenesis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 123-129. | 0.4 | 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. | 13.5 | 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. | 1.3 | 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. | 1.3 | 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. | 1.3 | 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. | 1.2 | 93 |
| 42 | Real-Time PCR Reveals Rapid Dissemination of <i>Leptospira interrogans</i> after Intra-peritoneal and Conjunctival Inoculation of Hamsters. <i>Infection and Immunity</i> , 2016, 84, 2105-2115. | 1.0 | 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. | 1.0 | 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. | 1.1 | 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. | 1.3 | 139 |
| 46 | Cathelicidin Insufficiency in Patients with Fatal Leptospirosis. <i>PLoS Pathogens</i> , 2016, 12, e1005943. | 2.1 | 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. | 1.3 | 124 |
| 48 | Proteomic Features Predict Seroreactivity against Leptospiral Antigens in Leptospirosis Patients. <i>Journal of Proteome Research</i> , 2015, 14, 549-556. | 1.8 | 12 |
| 49 | Efficient Detection of Pathogenic Leptospire Using 16S Ribosomal RNA. <i>PLoS ONE</i> , 2015, 10, e0128913. | 1.1 | 35 |
| 50 | Identification of Cell-Binding Adhesins of <i>Leptospira interrogans</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3215. | 1.3 | 30 |
| 51 | Post-translational Modification of LipL32 during <i>Leptospira interrogans</i> Infection. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3280. | 1.3 | 37 |
| 52 | Unsuspected Leptospirosis Is a Cause of Acute Febrile Illness in Nicaragua. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2941. | 1.3 | 33 |
| 53 | A Putative Regulatory Genetic Locus Modulates Virulence in the Pathogen <i>Leptospira interrogans</i> . <i>Infection and Immunity</i> , 2014, 82, 2542-2552. | 1.0 | 43 |
| 54 | Infections by <i>Leptospira interrogans</i> , 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. | 0.6 | 116 |

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|----|---|-----|-----------|
| 55 | Identification of Seroreactive Proteins of <i>Leptospira interrogans</i> Serovar Copenhageni Using a High-Density Protein Microarray Approach. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2499. | 1.3 | 41 |
| 56 | <i>Leptospira interrogans</i> Enolase Is Secreted Extracellularly and Interacts with Plasminogen. <i>PLoS ONE</i> , 2013, 8, e78150. | 1.1 | 37 |
| 57 | Inactivation of <i>clpB</i> in the Pathogen <i>Leptospira interrogans</i> Reduces Virulence and Resistance to Stress Conditions. <i>Infection and Immunity</i> , 2011, 79, 3711-3717. | 1.0 | 90 |
| 58 | Major Surface Protein LipL32 Is Not Required for Either Acute or Chronic Infection with <i>Leptospira interrogans</i> . <i>Infection and Immunity</i> , 2009, 77, 952-958. | 1.0 | 111 |
| 59 | Etiología de la mastitis bovina producida por levaduras en el sur de Brasil. <i>Revista Iberoamericana De Micología</i> , 2008, 25, 154-156. | 0.4 | 30 |
| 60 | Targeted Mutagenesis in Pathogenic <i>Leptospira</i> Species: Disruption of the <i>LigB</i> Gene Does Not Affect Virulence in Animal Models of Leptospirosis. <i>Infection and Immunity</i> , 2008, 76, 5826-5833. | 1.0 | 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. <i>Veterinary Journal</i> , 2006, 172, 114-120. | 0.6 | 40 |