

Federico Costa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

3,699
citations

26
h-index

60
g-index

103
ext. papers

4,898
ext. citations

5.7
avg, IF

5.1
L-index

#	Paper	IF	Citations
87	Rainfall and other meteorological factors as drivers of urban transmission of leptospirosis.. <i>PLoS Neglected Tropical Diseases</i> , 2022 , 16, e0007507	4.8	1
86	Biannual and Quarterly Comparison Analysis of Agglutinating Antibody Kinetics on a Subcohort of Individuals Exposed to in Salvador, Brazil.. <i>Frontiers in Medicine</i> , 2022 , 9, 862378	4.9	0
85	Effects of Accounting for Interval-Censored Antibody Titer Decay on Seroincidence in a Longitudinal Cohort Study of Leptospirosis. <i>American Journal of Epidemiology</i> , 2021 , 190, 893-899	3.8	1
84	Household rat infestation in urban slum populations: Development and validation of a predictive score for leptospirosis. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009154	4.8	2
83	Short Communicaton:Increased Rat Sightings in Urban Slums During the COVID-19 Pandemic and the Risk for Rat-Borne Zoonoses. <i>Vector-Borne and Zoonotic Diseases</i> , 2021 , 21, 160-161	2.4	2
82	Effect of chemical and sanitary intervention on rat sightings in urban communities of New Providence, the Bahamas. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	1
81	in urban populations of terrestrial gastropods and rats in an impoverished region of Brazil. <i>Parasitology</i> , 2021 , 148, 994-1002	2.7	0
80	Clinical and Biochemical Features of Hypopituitarism Among Brazilian Children With Zika Virus-Induced Microcephaly. <i>JAMA Network Open</i> , 2021 , 4, e219878	10.4	1
79	Genetic evidence for a potential environmental pathway to spillover infection of rat-borne leptospirosis. <i>Journal of Infectious Diseases</i> , 2021 ,	7	3
78	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	4.8	7
77	Poverty, sanitation, and <i>Leptospira</i> transmission pathways in residents from four Brazilian slums. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009256	4.8	1
76	Social determinants associated with Zika virus infection in pregnant women. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009612	4.8	0
75	Multidisciplinary approach in the diagnosis of acute leptospirosis in dogs naturally infected by <i>Leptospira interrogans</i> serogroup Icterohaemorrhagiae: A prospective study. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2021 , 77, 101664	2.6	0
74	Willingness to Get the COVID-19 Vaccine among Residents of Slum Settlements. <i>Vaccines</i> , 2021 , 9,	5.3	5
73	<i>Leptospira interrogans</i> biofilm formation in <i>Rattus norvegicus</i> (Norway rats) natural reservoirs. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009736	4.8	2
72	Heterogeneous development of children with Congenital Zika Syndrome-associated microcephaly. <i>PLoS ONE</i> , 2021 , 16, e0256444	3.7	0
71	Risk of Sexually Transmitted Zika Virus in a Cohort of Economically Disadvantaged Urban Residents. <i>Journal of Infectious Diseases</i> , 2021 , 224, 860-864	7	3

70	Worldwide overview of human infections with <i>Hymenolepis diminuta</i> . <i>Parasitology Research</i> , 2020 , 119, 1997-2004	2.4	10
69	Transmission of Chikungunya Virus in an Urban Slum, Brazil. <i>Emerging Infectious Diseases</i> , 2020 , 26, 1364-1373	3.6	6
68	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	10.2	12
67	A systematic literature review of leptospirosis outbreaks worldwide, 1970-2012. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2020 , 44, e78	4.1	11
66	sp. nov. and 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	2.2	16
65	The Spatial Dimension of COVID-19: The Potential of Earth Observation Data in Support of Slum Communities with Evidence from Brazil. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 557	2.9	15
64	Low Prevalence of Carriage in Rodents in Leptospirosis-Endemic Northeastern Thailand. <i>Tropical Medicine and Infectious Disease</i> , 2020 , 5,	3.5	1
63	Zika Virus RNA Persistence in Sewage. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 659-664	11	18
62	Severe leptospirosis after rat bite: A case report. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008257	4.8	1
61	COVID-19: urgent actions, critical reflections and future relevance of 'WaSH': lessons for the current and future pandemics. <i>Journal of Water and Health</i> , 2020 , 18, 613-630	2.2	33
60	COVID-19: urgent actions, critical reflections and future relevance of 'WaSH': lessons for the current and future pandemics. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2020 , 10, 379-396	1.5	6
59	A multivariate geostatistical framework for combining multiple indices of abundance for disease vectors and reservoirs: a case study of in a low-income urban Brazilian community. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200398	4.1	1
58	Spatial and Simultaneous Seroprevalence of Anti- Antibodies in Owners and Their Domiciled Dogs in a Major City of Southern Brazil. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 580400	3.1	4
57	Investigation of chronic infection by <i>Leptospira</i> spp. in asymptomatic sheep slaughtered in slaughterhouse. <i>PLoS ONE</i> , 2019 , 14, e0217391	3.7	7
56	Significant Genetic Impacts Accompany an Urban Rat Control Campaign in Salvador, Brazil. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	3
55	Optimal Control of Rat-Borne Leptospirosis in an Urban Environment. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	2
54	Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. <i>Science</i> , 2019 , 363, 607-610	33.3	147
53	Risk of Zika microcephaly correlates with features of maternal antibodies. <i>Journal of Experimental Medicine</i> , 2019 , 216, 2302-2315	16.6	28

52	Tails of Two Cities: Age and Wounding Are Associated With Carriage of <i>Leptospira interrogans</i> by Norway Rats (<i>Rattus norvegicus</i>) in Ecologically Distinct Urban Environments. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	8
51	Coinfection modifies carriage of enzootic and zoonotic parasites in Norway rats from an urban slum. <i>Ecosphere</i> , 2019 , 10, e02887	3.1	2
50	Adverse birth outcomes associated with Zika virus exposure during pregnancy in São José do Rio Preto, Brazil. <i>Clinical Microbiology and Infection</i> , 2018 , 24, 646-652	9.5	42
49	Molecular characterization of pathogenic <i>Leptospira</i> sp. in small mammals captured from the human leptospirosis suspected areas of Selangor state, Malaysia. <i>Acta Tropica</i> , 2018 , 188, 68-77	3.2	17
48	Epidemiological shift and geographical heterogeneity in the burden of leptospirosis in China. <i>Infectious Diseases of Poverty</i> , 2018 , 7, 57	10.4	13
47	Urban rat races: spatial population genomics of brown rats (<i>Rattus norvegicus</i>) compared across multiple cities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	29
46	A road map for leptospirosis research and health policies based on country needs in Latin America. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2018 , 41, e131	4.1	8
45	Seizures as a Complication of Congenital Zika Syndrome in Early Infancy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018 , 98, 1860-1862	3.2	23
44	Zika virus and microcephaly: where do we go from here?. <i>Lancet Infectious Diseases</i> , 2018 , 18, 236-237	5.5	6
43	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	12.5	32
42	The helminth community of a population of <i>Rattus norvegicus</i> from an urban Brazilian slum and the threat of zoonotic diseases. <i>Parasitology</i> , 2018 , 145, 797-806	2.7	13
41	Fine-scale GPS tracking to quantify human movement patterns and exposure to leptospires in the urban slum environment. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006752	4.8	6
40	A model for leptospire dynamics and control in the Norway rat (<i>Rattus norvegicus</i>) the reservoir host in urban slum environments. <i>Epidemics</i> , 2018 , 25, 26-34	5.1	13
39	Quantification of pathogenic <i>Leptospira</i> in the soils of a Brazilian urban slum. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006415	4.8	27
38	International consensus principles for ethical wildlife control. <i>Conservation Biology</i> , 2017 , 31, 753-760	6	85
37	Recurrent Potent Human Neutralizing Antibodies to Zika Virus in Brazil and Mexico. <i>Cell</i> , 2017 , 169, 597-609	6.9	1199
36	Zoonotic and Vector-Borne Diseases in Urban Slums: Opportunities for Intervention. <i>Trends in Parasitology</i> , 2017 , 33, 660-662	6.4	19
35	Factors affecting carriage and intensity of infection of <i>Calodium hepaticum</i> within Norway rats (<i>Rattus norvegicus</i>) from an urban slum environment in Salvador, Brazil. <i>Epidemiology and Infection</i> , 2017 , 145, 334-338	4.3	8

34	Using fine-scale spatial genetics of Norway rats to improve control efforts and reduce leptospirosis risk in urban slum environments. <i>Evolutionary Applications</i> , 2017 , 10, 323-337	4.8	29
33	Rat infestation associated with environmental deficiencies in an urban slum community with high risk of leptospirosis transmission. <i>Cadernos De Saude Publica</i> , 2017 , 33,	3.2	10
32	Evidence of multiple intraspecific transmission routes for <i>Leptospira</i> acquisition in Norway rats (<i>Rattus norvegicus</i>). <i>Epidemiology and Infection</i> , 2017 , 145, 3438-3448	4.3	17
31	A survey of zoonotic pathogens carried by house mouse and black rat populations in Yucatan, Mexico. <i>Epidemiology and Infection</i> , 2017 , 145, 2287-2295	4.3	19
30	Differences in the Prevalence of Non-Communicable Disease between Slum Dwellers and the General Population in a Large Urban Area in Brazil. <i>Tropical Medicine and Infectious Disease</i> , 2017 , 2,	3.5	8
29	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	4.8	22
28	Rat infestation associated with environmental deficiencies in an urban slum community with high risk of leptospirosis transmission. <i>Cadernos De Saude Publica</i> , 2017 , 33, e00132115	3.2	8
27	<i>Leptospira</i> in breast tissue and milk of urban Norway rats (<i>Rattus norvegicus</i>). <i>Epidemiology and Infection</i> , 2016 , 144, 2420-9	4.3	20
26	Global population divergence and admixture of the brown rat (<i>Rattus norvegicus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	83
25	Emergence of Congenital Zika Syndrome: Viewpoint From the Front Lines. <i>Annals of Internal Medicine</i> , 2016 , 164, 689-91	8	70
24	A Comparative Assessment of Track Plates to Quantify Fine Scale Variations in the Relative Abundance of Norway Rats in Urban Slums. <i>Urban Ecosystems</i> , 2016 , 19, 561-575	2.8	19
23	Zika virus: History, emergence, biology, and prospects for control. <i>Antiviral Research</i> , 2016 , 130, 69-80	10.8	437
22	Multiple Paternity in the Norway Rat, <i>Rattus norvegicus</i> , from Urban Slums in Salvador, Brazil. <i>Journal of Heredity</i> , 2016 , 107, 181-6	2.4	10
21	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	4.8	90
20	A Two-Year Ecological Study of Norway Rats (<i>Rattus norvegicus</i>) in a Brazilian Urban Slum. <i>PLoS ONE</i> , 2016 , 11, e0152511	3.7	35
19	Scoping review: national monitoring frameworks for social determinants of health and health equity. <i>Global Health Action</i> , 2016 , 9, 28831	3	21
18	Zika Virus Infection and Stillbirths: A Case of Hydrops Fetalis, Hydranencephaly and Fetal Demise. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004517	4.8	241
17	Morphometric and demographic differences between tropical and temperate Norway rats (<i>Rattus norvegicus</i>). <i>Journal of Mammalogy</i> , 2015 , 96, 317-323	1.8	10

16	Heterogenic colonization patterns by <i>Leptospira interrogans</i> in <i>Rattus norvegicus</i> from urban slums. <i>Brazilian Journal of Microbiology</i> , 2015 , 46, 1161-4	2.2	11
15	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	4.8	78
14	Global Burden of Leptospirosis: Estimated in Terms of Disability Adjusted Life Years. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004122	4.8	155
13	Global Morbidity and Mortality of Leptospirosis: A Systematic Review. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003898	4.8	687
12	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	2.4	86
11	The impact of Brazil's Bolsa Família conditional cash transfer program on children's health care utilization and health outcomes. <i>BMC International Health and Human Rights</i> , 2014 , 14, 10	2.5	62
10	Influence of household rat infestation on leptospira transmission in the urban slum environment. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3338	4.8	68
9	Prospective study of leptospirosis transmission in an urban slum community: role of poor environment in repeated exposures to the <i>Leptospira</i> agent. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2927	4.8	101
8	Urban population genetics of slum-dwelling rats (<i>Rattus norvegicus</i>) in Salvador, Brazil. <i>Molecular Ecology</i> , 2013 , 22, 5056-70	5.7	39
7	Knowledge, attitudes, and practices related to Leptospirosis among urban slum residents in Brazil. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013 , 88, 359-63	3.2	25
6	Urban slum structure: integrating socioeconomic and land cover data to model slum evolution in Salvador, Brazil. <i>International Journal of Health Geographics</i> , 2013 , 12, 45	3.5	18
5	Diversity of containers and buildings infested with <i>Aedes aegypti</i> in Puerto Iguazú, Argentina. <i>Cadernos De Saude Publica</i> , 2012 , 28, 1802-6	3.2	6
4	Surveillance for leptospirosis in the Americas, 1996-2005: a review of data from ministries of health. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2012 , 32, 169-77	4.1	25
3	Temporal and spatial host abundance and prevalence of Andes hantavirus in southern Argentina. <i>EcoHealth</i> , 2010 , 7, 176-84	3.1	23
2	Clinical characteristics and risk factors of human leptospirosis in Argentina (1999-2005). <i>Acta Tropica</i> , 2008 , 107, 255-8	3.2	64
1	Using Rhodamine B to assess the movement of small mammals in an urban slum. <i>Methods in Ecology and Evolution</i> ,	7.7	1