Luis Fernandez Lopez

List of Publications by Year
in descending order

51 papers	1,418 citations	279798 23 h-index	345221 36 g-index
55 all docs	55 docs citations	55 times ranked	1387 citing authors

#	Article	IF	Citations
1	Modelling the control strategies against dengue in Singapore. Epidemiology and Infection, 2008, 136, 309-319.	2.1	138
2	The risk of yellow fever in a dengue-infested area. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2001, 95, 370-374.	1.8	118
3	Threshold Conditions for a Non-Autonomous Epidemic System Describing the Population Dynamics of Dengue. Bulletin of Mathematical Biology, 2006, 68, 2263-2282.	1.9	104
4	Dengue and the risk of urban yellow fever reintroduction in SÃ£o Paulo State, Brazil. Revista De Saude Publica, 2003, 37, 477-484.	1.7	54
5	The 1918 influenza A epidemic in the city of SÃ£o Paulo, Brazil. Medical Hypotheses, 2007, 68, 442-445.	1.5	52
6	Threshold conditions for infection persistence in complex host-vectors interactions. Comptes Rendus - Biologies, 2002, 325, 1073-1084.	0.2	49
7	Forecasting versus projection models in epidemiology: The case of the SARS epidemics. Medical Hypotheses, 2005, 65, 17-22.	1.5	49
8	Modeling Importations and Exportations of Infectious Diseases via Travelers. Bulletin of Mathematical Biology, 2016, 78, 185-209.	1.9	46
9	A Comparative Analysis of the Relative Efficacy of Vector-Control Strategies Against Dengue Fever. Bulletin of Mathematical Biology, 2014, 76, 697-717.	1.9	45
10	Modelling the Dynamics of Leishmaniasis Considering Human, Animal Host and Vector Populations. Journal of Biological Systems, 1998, 06, 337-356.	1.4	44
11	Potential for international spread of wild poliovirus via travelers. BMC Medicine, 2015, 13, 133.	5.5	44
12	Modeling the impact of global warming on vector-borne infections. Physics of Life Reviews, 2011, 8, 169-99.	2.8	43
13	Modelling heterogeneities in individual frailties in epidemic models. Mathematical and Computer Modelling, 1999, 30, 97-115.	2.0	38
14	Yellow fever vaccination: How much is enough?. Vaccine, 2005, 23, 3908-3914.	3.8	38
15	The impact of imperfect vaccines on the evolution of HIV virulence. Medical Hypotheses, 2006, 66, 907-911.	1.5	35
16	An approximate threshold condition for non-autonomous system: An application to a vector-borne infection. Mathematics and Computers in Simulation, 2005, 70, 149-158.	4.4	34
17	Vaccination against rubella: Analysis of the temporal evolution of the age-dependent force of infection and the effects of different contact patterns. Physical Review E, 2003, 67, 051907.	2.1	33
18	The risk of dengue for non-immune foreign visitors to the 2016 summer olympic games in Rio de Janeiro, Brazil. BMC Infectious Diseases, 2016, 16, 186.	2.9	31

#	Article	IF	Citations
19	Potential exposure to Zika virus for foreign tourists during the 2016 Carnival and Olympic Games in Rio de Janeiro, Brazil. Epidemiology and Infection, 2016, 144, 1904-1906.	2.1	29
20	Age and regional differences in clinical presentation and risk of hospitalization for dengue in Brazil, 2000-2014. Clinics, 2016, 71, 455-463.	1.5	29
21	Risk of symptomatic dengue for foreign visitors to the 2014 FIFA World Cup in Brazil. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 394-397.	1.6	27
22	The Eyam plague revisited: did the village isolation change transmission from fleas to pulmonary?. Medical Hypotheses, 2004, 63, 911-915.	1.5	25
23	Basic aspects of the pathogenesis and prevention of nonâ€melanoma skin cancer in solid organ transplant recipients: a review. International Journal of Dermatology, 2017, 56, 370-378.	1.0	23
24	Modelling the Natural History of HIV Infection in Individuals and its Epidemiological Implications. Bulletin of Mathematical Biology, 2001, 63, 1041-1062.	1.9	20
25	Estimating the size of Aedes aegypti populations from dengue incidence data: Implications for the risk of yellow fever outbreaks. Infectious Disease Modelling, 2017, 2, 441-454.	1.9	18
26	Benefits brought by the use of OpenFlow/SDN on the AmLight intercontinental research and education network. , 2015, , .		17
27	The risk of urban yellow fever resurgence in <i>Aedes</i>-infested American cities. Epidemiology and Infection, 2018, 146, 1219-1225.	2.1	17
28	A Mixed Ectoparasiteâ€"Microparasite Model for Bat-Transmitted Rabies. Theoretical Population Biology, 2001, 60, 265-279.	1.1	15
29	Modeling the impact of imperfect HIV vaccines on the incidence of the infection. Mathematical and Computer Modelling, 2001, 34, 345-351.	2.0	15
30	Magnitude and frequency variations of vector-borne infection outbreaks using the Rossâ€"Macdonald model: explaining and predicting outbreaks of dengue fever. Epidemiology and Infection, 2016, 144, 3435-3450.	2.1	15
31	Pregnancy and Kidney Transplantation, Triple Hazard? Current Concepts and Algorithm for Approach of Preconception and Perinatal Care of the Patient With Kidney Transplantation. Transplantation Proceedings, 2014, 46, 3027-3031.	0.6	12
32	Interpretations and pitfalls in modelling vector-transmitted infections. Epidemiology and Infection, 2015, 143, 1803-1815.	2.1	10
33	Modelling the spread of infections when the contact rate among individuals is short ranged: Propagation of epidemic waves. Mathematical and Computer Modelling, 1999, 29, 55-69.	2.0	9
34	On the uniqueness of the positive solution of an integral equation which appears in epidemiological models. Journal of Mathematical Biology, 2000, 40, 199-228.	1.9	9
35	Estimating the Size of the HCV Infection Prevalence: A Modeling Approach Using the Incidence of Cases Reported to an Official Notification System. Bulletin of Mathematical Biology, 2016, 78, 970-990.	1.9	9
36	Estimating the prevalence of infectious diseases from under-reported age-dependent compulsorily notification databases. Theoretical Biology and Medical Modelling, 2017, 14, 23.	2.1	9

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37	A public health risk assessment for yellow fever vaccination: a model exemplified by an outbreak in the state of SÃ£o Paulo, Brazil. Memorias Do Instituto Oswaldo Cruz, 2015, 110, 230-234.	1.6	7
38	In VivoHIV-1 Hypermutation and Viral Loads Among Antiretroviral-Naive Brazilian Patients. AIDS Research and Human Retroviruses, 2014, 30, 867-880.	1.1	6
39	A schematic age-structured compartment model of the impact of antiretroviral therapy on HIV incidence and prevalence. Mathematics and Computers in Simulation, 2006, 71, 131-148.	4.4	5
40	Which phase of the natural history of HIV infection is more transmissible?. International Journal of STD and AIDS, 2002, 13, 430-431.	1.1	4
41	Relationship between connectivity and academic productivity. Scientometrics, 2012, 93, 265-278.	3.0	4
42	Maximum Equilibrium Prevalence of Mosquito-Borne Microparasite Infections in Humans. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	4
43	Motion of articulated bodies: An application of gauge invariance in classical Lagrangian mechanics. American Journal of Physics, 1997, 65, 528-536.	0.7	3
44	A mathematical model for optimizing the indications of liver transplantation in patients with hepatocellular carcinoma. Theoretical Biology and Medical Modelling, 2013, 10, 60.	2.1	2
45	A MODEL-INDEPENDENT ANALYSIS OF THE DEMOGRAPHIC IMPACT OF HIV/AIDS IN THE STATE OF SÃƒO PAULO, BRAZIL. Journal of Biological Systems, 2001, 09, 255-267.	1.4	1
46	Comment on â€œThe distribution of composite measurements: How to be certain of the uncertainties in what we measure,â€•by M. P. Silverman, W. Strange, and T. C. Lipscombe [Am. J. Phys. 72 (8), 1068â€"1081 (2004)]. American Journal of Physics, 2004, 72, 1530-1530.	0.7	0
47	Analysis of protease treatment-associated mutations in a group of HIV-1 subtype F infected individuals with two sequences obtained in different time points. Retrovirology, 2010, 7, .	2.0	0
48	Entomological repercussions of increasing environmental temperatures. Physics of Life Reviews, 2011, , .	2.8	0
49	MODELING PLAGUE DYNAMICS: ENDEMIC STATES, OUTBREAKS AND EPIDEMIC WAVES. , 2006, , .		0
50	THE SPREAD OF THE HIV INFECTION ON IMMUNE SYSTEM: IMPLICATIONS ON CELL POPULATIONS AND R₀ EPIDEMIC ESTIMATE. , 2010, , .		0
51	Paraconsistents artificial neural networks applied to the study of mutational patterns of the F subtype of the viral strains of HIV-1 to antiretroviral therapy. Anais Da Academia Brasileira De Ciencias, 2016, 88, 323-34.	0.8	0