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	The risk of urban yellow fever resurgence in Aedes-infested American cities. Epidemiology and Infection, 2018, 146, 1219-1225.	2.1	17
2	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
3	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
4	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
5	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
6	Modeling Importations and Exportations of Infectious Diseases via Travelers. Bulletin of Mathematical Biology, 2016, 78, 185-209.	1.9	46
7	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
8	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
9	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
10	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
11	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
12	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
13	Benefits brought by the use of OpenFlow/SDN on the AmLight intercontinental research and education network. , 2015, , .		17
14	Interpretations and pitfalls in modelling vector-transmitted infections. Epidemiology and Infection, 2015, 143, 1803-1815.	2.1	10
15	Potential for international spread of wild poliovirus via travelers. BMC Medicine, 2015, 13, 133.	5.5	44
16	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
17	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
18	In VivoHIV-1 Hypermutation and Viral Loads Among Antiretroviral-Naive Brazilian Patients. AIDS Research and Human Retroviruses, 2014, 30, 867-880.	1.1	6

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19	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
20	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
21	Maximum Equilibrium Prevalence of Mosquito-Borne Microparasite Infections in Humans. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	4
22	Relationship between connectivity and academic productivity. Scientometrics, 2012, 93, 265-278.	3.0	4
23	Entomological repercussions of increasing environmental temperatures. Physics of Life Reviews, 2011, , .	2.8	0
24	Modeling the impact of global warming on vector-borne infections. Physics of Life Reviews, 2011, 8, 169-99.	2.8	43
25	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
26	THE SPREAD OF THE HIV INFECTION ON IMMUNE SYSTEM: IMPLICATIONS ON CELL POPULATIONS AND R₀ EPIDEMIC ESTIMATE. , 2010, , .		0
27	Modelling the control strategies against dengue in Singapore. Epidemiology and Infection, 2008, 136, 309-319.	2.1	138
28	The 1918 influenza A epidemic in the city of SÃ£o Paulo, Brazil. Medical Hypotheses, 2007, 68, 442-445.	1.5	52
29	The impact of imperfect vaccines on the evolution of HIV virulence. Medical Hypotheses, 2006, 66, 907-911.	1.5	35
30	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
31	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
32	MODELING PLAGUE DYNAMICS: ENDEMIC STATES, OUTBREAKS AND EPIDEMIC WAVES. , 2006, , .		0
33	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
34	Forecasting versus projection models in epidemiology: The case of the SARS epidemics. Medical Hypotheses, 2005, 65, 17-22.	1.5	49
35	Yellow fever vaccination: How much is enough?. Vaccine, 2005, 23, 3908-3914.	3.8	38
36	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

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37	The Eyam plague revisited: did the village isolation change transmission from fleas to pulmonary?. Medical Hypotheses, 2004, 63, 911-915.	1.5	25
38	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
39	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
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	Threshold conditions for infection persistence in complex host-vectors interactions. Comptes Rendus - Biologies, 2002, 325, 1073-1084.	0.2	49
42	A Mixed Ectoparasiteâ€“Microparasite Model for Bat-Transmitted Rabies. Theoretical Population Biology, 2001, 60, 265-279.	1.1	15
43	Modeling the impact of imperfect HIV vaccines on the incidence of the infection. Mathematical and Computer Modelling, 2001, 34, 345-351.	2.0	15
44	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
45	Modelling the Natural History of HIV Infection in Individuals and its Epidemiological Implications. Bulletin of Mathematical Biology, 2001, 63, 1041-1062.	1.9	20
46	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
47	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
48	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
49	Modelling heterogeneities in individual frailties in epidemic models. Mathematical and Computer Modelling, 1999, 30, 97-115.	2.0	38
50	Modelling the Dynamics of Leishmaniasis Considering Human, Animal Host and Vector Populations. Journal of Biological Systems, 1998, 06, 337-356.	1.4	44
51	Motion of articulated bodies: An application of gauge invariance in classical Lagrangian mechanics. American Journal of Physics, 1997, 65, 528-536.	0.7	3