

# Francesca D Frentiu

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,909  
citations

236833

25  
h-index

189801

50  
g-index

70  
all docs

70  
docs citations

70  
times ranked

4032  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Wolbachia on Infection with Chikungunya and Yellow Fever Viruses in the Mosquito Vector <i>Aedes aegypti</i> . PLoS Neglected Tropical Diseases, 2012, 6, e1892.	1.3	334
2	Limited Dengue Virus Replication in Field-Collected <i>Aedes aegypti</i> Mosquitoes Infected with Wolbachia. PLoS Neglected Tropical Diseases, 2014, 8, e2688.	1.3	288
3	<i>Wolbachia</i> uses host microRNAs to manipulate host gene expression and facilitate colonization of the dengue vector <i>Aedes aegypti</i> . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9250-9255.	3.3	225
4	Co-distribution and co-infection of chikungunya and dengue viruses. BMC Infectious Diseases, 2016, 16, 84.	1.3	171
5	Wolbachia-Mediated Resistance to Dengue Virus Infection and Death at the Cellular Level. PLoS ONE, 2010, 5, e13398.	1.1	168
6	Wolbachia Reduces the Transmission Potential of Dengue-Infected <i>Aedes aegypti</i> . PLoS Neglected Tropical Diseases, 2015, 9, e0003894.	1.3	128
7	Skin Wound Healing: Normal Macrophage Function and Macrophage Dysfunction in Diabetic Wounds. Molecules, 2021, 26, 4917.	1.7	119
8	A retrospective pilot study to determine whether the reproductive tract microbiota differs between women with a history of infertility and fertile women. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2018, 58, 341-348.	0.4	104
9	Archiving Primary Data: Solutions for Long-Term Studies. Trends in Ecology and Evolution, 2015, 30, 581-589.	4.2	98
10	Pedigree-free animal models: the relatedness matrix reloaded. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 639-647.	1.2	76
11	CLINES IN CUTICULAR HYDROCARBONS IN TWO DROSOPHILA SPECIES WITH INDEPENDENT POPULATION HISTORIES. Evolution; International Journal of Organic Evolution, 2010, 64, 1784-1794.	1.1	70
12	Adaptive evolution of color vision as seen through the eyes of butterflies. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8634-8640.	3.3	66
13	Gene Duplication Is an Evolutionary Mechanism for Expanding Spectral Diversity in the Long-Wavelength Photopigments of Butterflies. Molecular Biology and Evolution, 2007, 24, 2016-2028.	3.5	66
14	4000 YEARS OF PHENOTYPIC CHANGE IN AN ISLAND BIRD: HETEROGENEITY OF SELECTION OVER THREE MICROEVOLUTIONARY TIMESCALES. Evolution; International Journal of Organic Evolution, 2008, 62, 2393-2410.	1.1	55
15	The new European invader <i>Aedes</i> ( <i>Finlaya</i> ) <i>koreicus</i> : a potential vector of chikungunya virus. Pathogens and Global Health, 2018, 112, 107-114.	1.0	55
16	Chikungunya virus in Asia-Pacific: a systematic review. Emerging Microbes and Infections, 2019, 8, 70-79.	3.0	55
17	Opsin Clines in Butterflies Suggest Novel Roles for Insect Photopigments. Molecular Biology and Evolution, 2015, 32, 368-379.	3.5	50
18	Multilocus Sequence Analysis Provides Insights into Molecular Epidemiology of <i>Chlamydia pecorum</i> Infections in Australian Sheep, Cattle, and Koalas. Journal of Clinical Microbiology, 2013, 51, 2625-2632.	1.8	48

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19	Zika Virus in the Male Reproductive Tract. <i>Viruses</i> , 2018, 10, 198.	1.5	48
20	Spatiotemporal patterns and climatic drivers of severe dengue in Thailand. <i>Science of the Total Environment</i> , 2019, 656, 889-901.	3.9	41
21	Vector competence of Australian <i>Aedes aegypti</i> and <i>Aedes albopictus</i> for an epidemic strain of Zika virus. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007281.	1.3	38
22	Projecting the future of dengue under climate change scenarios: Progress, uncertainties and research needs. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008118.	1.3	33
23	Polyandry and paternity skew in natural and experimental populations of <i>Drosophila serrata</i> . <i>Molecular Ecology</i> , 2008, 17, 1589-1596.	2.0	32
24	Heatwaves and dengue outbreaks in Hanoi, Vietnam: New evidence on early warning. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007997.	1.3	31
25	Evolutionary potential of the extrinsic incubation period of dengue virus in <i>Aedes aegypti</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2459-2469.	1.1	30
26	Comparative Susceptibility of Mosquito Populations in North Queensland, Australia to Oral Infection with Dengue Virus. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 90, 422-430.	0.6	29
27	An expressed sequence tag (EST) library for <i>Drosophila serrata</i> , a model system for sexual selection and climatic adaptation studies. <i>BMC Genomics</i> , 2009, 10, 40.	1.2	26
28	Role of enhanced vector transmission of a new West Nile virus strain in an outbreak of equine disease in Australia in 2011. <i>Parasites and Vectors</i> , 2014, 7, 586.	1.0	26
29	A butterfly eye's view of birds. <i>BioEssays</i> , 2008, 30, 1151-1162.	1.2	25
30	Title is missing!. <i>Conservation Genetics</i> , 2001, 2, 63-67.	0.8	21
31	Temperature modulates immune gene expression in mosquitoes during arbovirus infection. <i>Open Biology</i> , 2021, 11, 200246.	1.5	21
32	Intensity of Mutualism Breakdown Is Determined by Temperature Not Amplification of Wolbachia Genes. <i>PLoS Pathogens</i> , 2016, 12, e1005888.	2.1	21
33	Physical and Linkage Maps for <i>Drosophila serrata</i> , a Model Species for Studies of Clinal Adaptation and Sexual Selection. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 287-297.	0.8	19
34	Extreme weather events and dengue outbreaks in Guangzhou, China: a time-series quasi-binomial distributed lag non-linear model. <i>International Journal of Biometeorology</i> , 2021, 65, 1033-1042.	1.3	19
35	Wolbachia strain wAlbB blocks replication of flaviviruses and alphaviruses in mosquito cell culture. <i>Parasites and Vectors</i> , 2020, 13, 54.	1.0	18
36	A portable approach for the surveillance of dengue virus-infected mosquitoes. <i>Journal of Virological Methods</i> , 2012, 183, 90-93.	1.0	17

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37	Chikungunya Virus Transmission at Low Temperature by <i>Aedes albopictus</i> Mosquitoes. <i>Pathogens</i> , 2019, 8, 149.	1.2	17
38	A Native <i>Wolbachia</i> Endosymbiont Does Not Limit Dengue Virus Infection in the Mosquito <i>Aedes notoscriptus</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2016, 53, 401-408.	0.9	15
39	Laboratory colonization of the European invasive mosquito <i>Aedes (Finlaya) koreicus</i> . <i>Parasites and Vectors</i> , 2017, 10, 74.	1.0	15
40	A regional suitable conditions index to forecast the impact of climate change on dengue vectorial capacity. <i>Environmental Research</i> , 2021, 195, 110849.	3.7	15
41	Extreme weather conditions and dengue outbreak in Guangdong, China: Spatial heterogeneity based on climate variability. <i>Environmental Research</i> , 2021, 196, 110900.	3.7	15
42	Using dengue epidemics and local weather in Bali, Indonesia to predict imported dengue in Australia. <i>Environmental Research</i> , 2019, 175, 213-220.	3.7	14
43	Zika Virus and Arthritis/Arthralgia: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2020, 12, 1137.	1.5	14
44	Natural variation at a single gene generates sexual antagonism across fitness components in <i>Drosophila</i> . <i>Current Biology</i> , 2022, 32, 3161-3169.e7.	1.8	14
45	Dynamic spatiotemporal trends of imported dengue fever in Australia. <i>Scientific Reports</i> , 2016, 6, 30360.	1.6	12
46	Lipids and Pathogen Blocking by <i>Wolbachia</i> . <i>Trends in Parasitology</i> , 2017, 33, 916-917.	1.5	12
47	El Niño Southern Oscillation, overseas arrivals and imported chikungunya cases in Australia: A time series analysis. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007376.	1.3	12
48	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al.. <i>Trends in Ecology and Evolution</i> , 2016, 31, 85-87.	4.2	10
49	Global Evolutionary History and Dynamics of Dengue Viruses Inferred from Whole Genome Sequences. <i>Viruses</i> , 2022, 14, 703.	1.5	9
50	Effect of Serotype and Strain Diversity on Dengue Virus Replication in Australian Mosquito Vectors. <i>Pathogens</i> , 2020, 9, 668.	1.2	8
51	High relative humidity might trigger the occurrence of the second seasonal peak of dengue in the Philippines. <i>Science of the Total Environment</i> , 2020, 708, 134849.	3.9	7
52	Epidemic Potential for Local Transmission of Zika Virus in 2015 and 2016 in Queensland, Australia. <i>PLOS Currents</i> , 2016, 8, .	1.4	7
53	Seroprevalence of antibodies to primate erythroparvovirus 1 (B19V) in Australia. <i>BMC Infectious Diseases</i> , 2018, 18, 631.	1.3	6
54	Response to: Comment on Rohrscheib et al. 2016 "Intensity of mutualism breakdown is determined by temperature not amplification of <i>Wolbachia</i> genes". <i>PLoS Pathogens</i> , 2017, 13, e1006521.	2.1	5

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55	Estimation of mosquito-borne and sexual transmission of Zika virus in Australia: Risks to blood transfusion safety. PLoS Neglected Tropical Diseases, 2020, 14, e0008438.	1.3	4
56	Does Bangkok have a central role in the dengue dynamics of Thailand?. Parasites and Vectors, 2020, 13, 22.	1.0	4
57	Past and future epidemic potential of chikungunya virus in Australia. PLoS Neglected Tropical Diseases, 2021, 15, e0009963.	1.3	1
58	Title is missing!. , 2020, 14, e0008118.		0
59	Title is missing!. , 2020, 14, e0008118.		0
60	Title is missing!. , 2020, 14, e0008118.		0
61	Title is missing!. , 2020, 14, e0008118.		0
62	Heatwaves and dengue outbreaks in Hanoi, Vietnam: New evidence on early warning. , 2020, 14, e0007997.		0
63	Heatwaves and dengue outbreaks in Hanoi, Vietnam: New evidence on early warning. , 2020, 14, e0007997.		0
64	Heatwaves and dengue outbreaks in Hanoi, Vietnam: New evidence on early warning. , 2020, 14, e0007997.		0
65	Heatwaves and dengue outbreaks in Hanoi, Vietnam: New evidence on early warning. , 2020, 14, e0007997.		0