Dorothe Miss

List of Publications by Citations

112 papers	4,338 citations	33 h-index	63 g-index
124 ext. papers	5,162 ext. citations	5.3 avg, IF	5.1 L-index

#	Paper	IF	Citations
112	Biology of Zika Virus Infection in Human Skin Cells. *Journal of Virology*, **2015**, 89, 8880-96	6.6	794
111	Axl Mediates ZIKA Virus Entry in Human Glial Cells and Modulates Innate Immune Responses. *Cell Reports*, **2017**, 18, 324-333	10.6	278
110	The ecological significance of manipulative parasites. *Trends in Ecology and Evolution*, **2009**, 24, 41-8	10.9	206
109	Rational design of a CD4 mimic that inhibits HIV-1 entry and exposes cryptic neutralization epitopes. *Nature Biotechnology*, **2003**, 21, 71-6	44.5	166
108	Implication of haematophagous arthropod salivary proteins in host-vector interactions. *Parasites and Vectors*, **2011**, 4, 187	4	129
107	Induction of a peptide with activity against a broad spectrum of pathogens in the Aedes aegypti salivary gland, following Infection with Dengue Virus. *PLoS Pathogens*, **2011**, 7, e1001252	7.6	124
106	Dengue-virus-infected dendritic cells trigger vascular leakage through metalloproteinase overproduction. *EMBO Reports*, **2006**, 7, 1176-81	6.5	111
105	Invasion of the body snatchers: the diversity and evolution of manipulative strategies in host-parasite interactions. *Advances in Parasitology*, **2009**, 68, 45-83	3.2	109
104	The South Pacific epidemic strain of Zika virus replicates efficiently in human epithelial A549 cells leading to IFN-□production and apoptosis induction. *Virology*, **2016**, 493, 217-26	3.6	107
103	Dengue-virus-infected dendritic cells trigger vascular leakage through metalloproteinase overproduction. *EMBO Reports*, **2006**, 7, 1290-1290	6.5	78
102	Incidence of adult brain cancers is higher in countries where the protozoan parasite Toxoplasma gondii is common. *Biology Letters*, **2012**, 8, 101-3	3.6	77
101	IL-22 participates in an innate anti-HIV-1 host-resistance network through acute-phase protein induction. *Journal of Immunology*, **2007**, 178, 407-15	5.3	75
100	Dengue subgenomic flaviviral RNA disrupts immunity in mosquito salivary glands to increase virus transmission. *PLoS Pathogens*, **2017**, 13, e1006535	7.6	72
99	Who is the puppet master? Replication of a parasitic wasp-associated virus correlates with host behaviour manipulation. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20142773	4.4	72
98	Dengue virus replication in infected human keratinocytes leads to activation of antiviral innate immune responses. *Infection, Genetics and Evolution*, **2011**, 11, 1664-73	4.5	72
97	Zika virus: epidemiology, clinical features and host-virus interactions. *Microbes and Infection*, **2016**, 18, 441-9	9.3	65
96	HIV-1 glycoprotein 120 induces the MMP-9 cytopathogenic factor production that is abolished by inhibition of the p38 mitogen-activated protein kinase signaling pathway. *Blood*, **2001**, 98, 541-7	2.2	61

95	Inflammasome signaling pathways exert antiviral effect against Chikungunya virus in human dermal fibroblasts. *Infection, Genetics and Evolution*, **2015**, 32, 401-8	4.5	60
94	Role of skin immune cells on the host susceptibility to mosquito-borne viruses. *Virology*, **2014**, 464-465, 26-32	3.6	59
93	Imipramine Inhibits Chikungunya Virus Replication in Human Skin Fibroblasts through Interference with Intracellular Cholesterol Trafficking. *Scientific Reports*, **2017**, 7, 3145	4.9	59
92	Applying ecological and evolutionary theory to cancer: a long and winding road. *Evolutionary Applications*, **2013**, 6, 1-10	4.8	57
91	Aedes mosquito saliva modulates Rift Valley fever virus pathogenicity. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2237	4.8	52
90	A Zika virus from America is more efficiently transmitted than an Asian virus by Aedes aegypti mosquitoes from Asia. *Scientific Reports*, **2017**, 7, 1215	4.9	51
89	Cancer: a missing link in ecosystem functioning?. *Trends in Ecology and Evolution*, **2013**, 28, 628-35	10.9	50
88	African and Asian Zika virus strains differentially induce early antiviral responses in primary human astrocytes. *Infection, Genetics and Evolution*, **2017**, 49, 134-137	4.5	48
87	Blood-feeding and immunogenic Aedes aegypti saliva proteins. *Proteomics*, **2010**, 10, 1906-16	4.8	48
86	Brain cancer mortality rates increase with Toxoplasma gondii seroprevalence in France. *Infection, Genetics and Evolution*, **2012**, 12, 496-8	4.5	47
85	Human antibody response to Aedes aegypti saliva in an urban population in Bolivia: a new biomarker of exposure to Dengue vector bites. *American Journal of Tropical Medicine and Hygiene*, **2012**, 87, 504-10	3.2	46
84	Aedes aegypti saliva contains a prominent 34-kDa protein that strongly enhances dengue virus replication in human keratinocytes. *Journal of Investigative Dermatology*, **2014**, 134, 281-284	4.3	44
83	Infections and cancer: the "fifty shades of immunity" hypothesis. *BMC Cancer*, **2017**, 17, 257	4.8	37
82	Aedes aegypti saliva enhances dengue virus infection of human keratinocytes by suppressing innate immune responses. *Journal of Investigative Dermatology*, **2012**, 132, 2103-5	4.3	35
81	Natural resistance to cancers: a Darwinian hypothesis to explain Peto's paradox. *BMC Cancer*, **2012**, 12, 387	4.8	35
80	Evaluation of the human IgG antibody response to Aedes albopictus saliva as a new specific biomarker of exposure to vector bites. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1487	4.8	35
79	First attempt to validate human IgG antibody response to Nterm-34kDa salivary peptide as biomarker for evaluating exposure to Aedes aegypti bites. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1905	4.8	31
78	Hepatitis B virus Dane particles bind to human plasma apolipoprotein H. *Hepatology*, **2001**, 33, 207-17	11.2	31

77	Co-Infection of Mosquitoes with Chikungunya and Dengue Viruses Reveals Modulation of the Replication of Both Viruses in Midguts and Salivary Glands of Aedes aegypti Mosquitoes. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	30
76	Infection and body odours: evolutionary and medical perspectives. *Infection, Genetics and Evolution*, **2009**, 9, 1006-9	4.5	30
75	Zika virus infection modulates the metabolomic profile of microglial cells. *PLoS ONE*, **2018**, 13, e0206093	3.7	30
74	Animal behaviour and cancer. *Animal Behaviour*, **2015**, 101, 19-26	2.8	29
73	Detection of H5N1 avian influenza virus from mosquitoes collected in an infected poultry farm in Thailand. *Vector-Borne and Zoonotic Diseases*, **2008**, 8, 105-9	2.4	29
72	Proteomic analysis of an Aedes albopictus cell line infected with Dengue serotypes 1 and 3 viruses. *Parasites and Vectors*, **2011**, 4, 138	4	28
71	Neurological and physiological disorders in Artemia harboring manipulative cestodes. *Journal of Parasitology*, **2009**, 95, 20-4	0.9	28
70	Zika virus causes supernumerary foci with centriolar proteins and impaired spindle positioning. *Open Biology*, **2017**, 7,	7	27
69	Zika virus differentially infects human neural progenitor cells according to their state of differentiation and dysregulates neurogenesis through the Notch pathway. *Emerging Microbes and Infections*, **2019**, 8, 1003-1016	18.9	27
68	Zika virus infection: an update. *Microbes and Infection*, **2019**, 21, 353-360	9.3	26
67	Two steps to suicide in crickets harbouring hairworms. *Animal Behaviour*, **2008**, 76, 1621-1624	2.8	25
66	Evolutionary perspective of cancer: myth, metaphors, and reality. *Evolutionary Applications*, **2015**, 8, 541-48	4	24
65	Cancer and life-history traits: lessons from host-parasite interactions. *Parasitology*, **2016**, 143, 533-41	2.7	24
64	Potentiation of NK cell-mediated cytotoxicity in human lung adenocarcinoma: role of NKG2D-dependent pathway. *International Immunology*, **2008**, 20, 801-10	4.9	22
63	Human keratinocytes restrict chikungunya virus replication at a post-fusion step. *Virology*, **2015**, 476, 1-10	3.6	21
62	Soluble HIV-1 gp120 enhances HIV-1 replication in non-dividing CD4+ T cells, mediated via cell signaling and Tat cofactor overexpression. *Aids*, **2005**, 19, 897-905	3.5	20
61	Cancer brings forward oviposition in the fly. *Ecology and Evolution*, **2017**, 7, 272-276	2.8	19
60	Phylogenetic analysis revealed the co-circulation of four dengue virus serotypes in Southern Thailand. *PLoS ONE*, **2019**, 14, e0221179	3.7	19

59	Mayaro Virus Pathogenesis and Transmission Mechanisms. *Pathogens*, **2020**, 9,	4.5	19
58	The effects of mosquito saliva on dengue virus infectivity in humans. *Current Opinion in Virology*, **2016**, 21, 139-145	7.5	18
57	Circulation of Alphacoronavirus, Betacoronavirus and Paramyxovirus in Hipposideros bat species in Zimbabwe. *Infection, Genetics and Evolution*, **2018**, 58, 253-257	4.5	17
56	Update on the proteomics of major arthropod vectors of human and animal pathogens. *Proteomics*, **2012**, 12, 3510-23	4.8	17
55	Aedes Aegypti saliva enhances chikungunya virus replication in human skin fibroblasts via inhibition of the type I interferon signaling pathway. *Infection, Genetics and Evolution*, **2017**, 55, 68-70	4.5	16
54	Isolation of infectious chikungunya virus and dengue virus using anionic polymer-coated magnetic beads. *Journal of Virological Methods*, **2013**, 193, 55-61	2.6	16
53	Peto□s paradox revisited: theoretical evolutionary dynamics of cancer in wild populations. *Evolutionary Applications*, **2013**, 6, 109-16	4.8	16
52	Infection of a French Population of Aedes albopictus and of Aedes aegypti (Paea Strain) with Zika Virus Reveals Low Transmission Rates to These Vectors□ Saliva. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	16
51	JNK pathway restricts DENV2, ZIKV and CHIKV infection by activating complement and apoptosis in mosquito salivary glands. *PLoS Pathogens*, **2020**, 16, e1008754	7.6	16
50	Innate Immune Response of Primary Human Keratinocytes to West Nile Virus Infection and Its Modulation by Mosquito Saliva. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 387	5.9	15
49	SAMHD1 Enhances Chikungunya and Zika Virus Replication in Human Skin Fibroblasts. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14
48	First screening of Aedes albopictus immunogenic salivary proteins. *Insect Molecular Biology*, **2013**, 22, 411-23	3.4	14
47	Monitoring arbovirus in Thailand: Surveillance of dengue, chikungunya and zika virus, with a focus on coinfections. *Acta Tropica*, **2018**, 188, 244-250	3.2	14
46	Herpes simplex virus type 2 and cancer: a medical geography approach. *Infection, Genetics and Evolution*, **2011**, 11, 1239-42	4.5	13
45	Peridomestic Aedes malayensis and Aedes albopictus are capable vectors of arboviruses in cities. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005667	4.8	12
44	Mosquito metabolomics reveal that dengue virus replication requires phospholipid reconfiguration via the remodeling cycle. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27627-27636	11.5	12
43	Dengue virus reduces AGPAT1 □expression to alter phospholipids and enhance infection in Aedes aegypti. *PLoS Pathogens*, **2019**, 15, e1008199	7.6	12
42	Can Peto□s paradox be used as the null hypothesis to identify the role of evolution in natural resistance to cancer? A critical review. *BMC Cancer*, **2015**, 15, 792	4.8	11

41	Aedesin: structure and antimicrobial activity against multidrug resistant bacterial strains. *PLoS ONE*, **2014**, 9, e105441	3.7	11
40	The SU glycoprotein 120 from HIV-1 penetrates into lipid monolayers mimicking plasma membranes. *Journal of Membrane Biology*, **2000**, 177, 251-7	2.3	11
39	Mosquito Salivary Components and Their Effect on the Immune Response to Arboviruses. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 407	5.9	10
38	Transmissible cancer and the evolution of sex. *PLoS Biology*, **2019**, 17, e3000275	9.7	9
37	Cancer Is Not (Only) a Senescence Problem. *Trends in Cancer*, **2018**, 4, 169-172	12.5	9
36	Differential Susceptibility and Innate Immune Response of and to the Haitian Strain of the Mayaro Virus. *Viruses*, **2019**, 11,	6.2	9
35	First detection of dengue and chikungunya viruses in natural populations of Aedes aegypti in Martinique during the 2013 - 2015 concomitant outbreak. *Revista Panamericana De Salud Publica/Pan American Journal of Public Health*, **2017**, 41, e63	4.1	9
34	Obesity paradox in cancer: Is bigger really better?. *Evolutionary Applications*, **2019**, 12, 1092-1095	4.8	8
33	Cross-talk in host-parasite associations: What do past and recent proteomics approaches tell us?. *Infection, Genetics and Evolution*, **2015**, 33, 84-94	4.5	8
32	Identification of apolipoprotein C-III as a potential plasmatic biomarker associated with the resolution of hepatitis C virus infection. *Proteomics - Clinical Applications*, **2008**, 2, 751-61	3.1	8
31	Highly conserved beta16/beta17 beta-hairpin structure in human immunodeficiency virus type 1 YU2 gp120 is critical for CCR5 binding. *Journal of Molecular Medicine*, **2005**, 83, 542-52	5.5	8
30	Hairworm response to notonectid attacks. *Animal Behaviour*, **2008**, 75, 823-826	2.8	6
29	Interferon-inducible protein (IFI) 16 regulates Chikungunya and Zika virus infection in human skin fibroblasts. *EXCLI Journal*, **2019**, 18, 467-476	2.4	6
28	Rare and unique adaptations to cancer in domesticated species: An untapped resource?. *Evolutionary Applications*, **2020**, 13, 1605-1614	4.8	5
27	Increased Mosquito Midgut Infection by Dengue Virus Recruitment of Plasmin Is Blocked by an Endogenous Kazal-type Inhibitor. *IScience*, **2019**, 21, 564-576	6.1	5
26	Plasmodium infections and fluctuating asymmetry among children and teenagers from Senegal. *Infection, Genetics and Evolution*, **2015**, 32, 97-101	4.5	5
25	Mayaro Virus Infects Human Chondrocytes and Induces the Expression of Arthritis-Related Genes Associated with Joint Degradation. *Viruses*, **2019**, 11,	6.2	4
24	Inhibition of N-myristoyltransferase1 affects dengue virus replication. *MicrobiologyOpen*, **2019**, 8, e00831	3.4	4

23	Activity level and aggregation behavior in the crustacean gammarid Gammarus insensibilis parasitized by the manipulative trematode Microphallus papillorobustus. *Frontiers in Ecology and Evolution*, **2015**, 3,	3.7	4
22	Chikungunya and Zika Viruses: Co-Circulation and the Interplay between Viral Proteins and Host Factors. *Pathogens*, **2021**, 10,	4.5	4
21	Dengue and Chikungunya Coinfection The Emergence of an Underestimated Threat **2016**,		4
20	Molecular Characterization and Genetic Diversity of Haplogroup E Human Lice in Guinea, West Africa. *Microorganisms*, **2021**, 9,	4.9	4
19	Highly Efficient Vertical Transmission for Zika Virus in after Long Extrinsic Incubation Time. *Pathogens*, **2020**, 9,	4.5	3
18	Ecology of Gordian knots in natural conditions. *Invertebrate Biology*, **2012**, 131, 294-300	1	3
17	Proteomics and Host Pathogen Interactions **2011**, 263-303		3
16	Malignancies and High Birth Weight in Human: Which Cancers Could Result from Antagonistic Pleiotropy?. *Journal of Evolutionary Medicine*, **2012**, 1, 1-5		3
15	Next-Generation Sequencing on Insectivorous Bat Guano: An Accurate Tool to Identify Arthropod Viruses of Potential Agricultural Concern. *Viruses*, **2019**, 11,	6.2	3
14	Delineating the Role of ABC Transporter Gene Family during Mosquito Development and Arboviral Infection via Transcriptome Analyses. *Pathogens*, **2021**, 10,	4.5	3
13	Induction of defensin response to dengue infection in Aedes aegypti. *Entomological Science*, **2015**, 18, 199-206	1.1	2
12	Vector Competence for Dengue-2 Viruses Isolated from Patients with Different Disease Severity. *Pathogens*, **2020**, 9,	4.5	2
11	The role of innate immunity in the protection conferred by a bacterial infection against cancer: study of an invertebrate model. *Scientific Reports*, **2020**, 10, 10106	4.9	2
10	Cancer and mosquitoes - An unsuspected close connection. *Science of the Total Environment*, **2020**, 743, 140631	10.2	2
9	Cat ownership is neither a strong predictor of Toxoplasma gondii infection nor a risk factor for brain cancer. *Biology Letters*, **2012**, 8, 1042-1042	3.6	2
8	Mayaro Virus Infects Human Brain Cells and Induces a Potent Antiviral Response in Human Astrocytes. *Viruses*, **2021**, 13,	6.2	2
7	New Insights into the Biology of the Emerging Tembusu Virus. *Pathogens*, **2021**, 10,	4.5	2
6	Human host genetics and susceptibility to ZIKV infection. *Infection, Genetics and Evolution*, **2021**, 95, 105066	4.5	2

5	Lipid Interactions Between Flaviviruses and Mosquito Vectors.. *Frontiers in Physiology*, **2021**, 12, 763195	4.6	1
4	Dengue virus infection modifies mosquito blood-feeding behavior to increase transmission to the host.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	1
3	JNK pathway restricts DENV, ZIKV and CHIKV infection by activating complement and apoptosis in mosquito salivary glands		1
2	High resolution proteomics of Aedes aegypti salivary glands infected with either dengue, Zika or chikungunya viruses identify new virus specific and broad antiviral factors. *Scientific Reports*, **2021**, 11, 23696	4.9	1
1	Phylogenetic relationship between the endosymbiont "Candidatus Riesia pediculicola" and its human louse host.. *Parasites and Vectors*, **2022**, 15, 73	4	