DorothÃ©e MissÃ©

List of Publications by Year
in descending order

116 papers	5,722 citations	87723 38 h-index	88477 70 g-index
124 all docs	124 docs citations	124 times ranked	7987 citing authors

#	Article	IF	Citations
1	Biology of Zika Virus Infection in Human Skin Cells. Journal of Virology, 2015, 89, 8880-8896.	1.5	1,015
2	Axl Mediates ZIKA Virus Entry in Human Glial Cells and Modulates Innate Immune Responses. Cell Reports, 2017, 18, 324-333.	2.9	361
3	The ecological significance of manipulative parasites. Trends in Ecology and Evolution, 2009, 24, 41-48.	4.2	234
4	Rational design of a CD4 mimic that inhibits HIV-1 entry and exposes cryptic neutralization epitopes. Nature Biotechnology, 2003, 21, 71-76.	9.4	182
5	Implication of haematophagous arthropod salivary proteins in host-vector interactions. Parasites and Vectors, 2011, 4, 187.	1.0	153
6	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.	2.1	149
7	Dengueâ€virusâ€infected dendritic cells trigger vascular leakage through metalloproteinase overproduction. EMBO Reports, 2006, 7, 1176-1181.	2.0	128
8	Chapter 3 Invasion of the Body Snatchers. Advances in Parasitology, 2009, 68, 45-83.	1.4	123
9	The South Pacific epidemic strain of Zika virus replicates efficiently in human epithelial A549 cells leading to IFN-Î² production and apoptosis induction. Virology, 2016, 493, 217-226.	1.1	123
10	Dengue subgenomic flaviviral RNA disrupts immunity in mosquito salivary glands to increase virus transmission. PLoS Pathogens, 2017, 13, e1006535.	2.1	101
11	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.	1.2	100
12	Dengue virus replication in infected human keratinocytes leads to activation of antiviral innate immune responses. Infection, Genetics and Evolution, 2011, 11, 1664-1673.	1.0	93
13	Incidence of adult brain cancers is higher in countries where the protozoan parasiteToxoplasma gondiiis common. Biology Letters, 2012, 8, 101-103.	1.0	90
14	Inflammasome signaling pathways exert antiviral effect against Chikungunya virus in human dermal fibroblasts. Infection, Genetics and Evolution, 2015, 32, 401-408.	1.0	87
15	Role of skin immune cells on the host susceptibility to mosquito-borne viruses. Virology, 2014, 464-465, 26-32.	1.1	85
16	Zika virus: epidemiology, clinical features and host-virus interactions. Microbes and Infection, 2016, 18, 441-449.	1.0	84
17	IL-22 Participates in an Innate Anti-HIV-1 Host-Resistance Network through Acute-Phase Protein Induction. Journal of Immunology, 2007, 178, 407-415.	0.4	83
18	Imipramine Inhibits Chikungunya Virus Replication in Human Skin Fibroblasts through Interference with Intracellular Cholesterol Trafficking. Scientific Reports, 2017, 7, 3145.	1.6	80

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19	Applying ecological and evolutionary theory to cancer: a long and winding road. Evolutionary Applications, 2013, 6, 1-10.	1.5	70
20	Aedes Mosquito Saliva Modulates Rift Valley Fever Virus Pathogenicity. PLoS Neglected Tropical Diseases, 2013, 7, e2237.	1.3	70
21	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, 541-547.	0.6	67
22	Cancer: a missing link in ecosystem functioning?. Trends in Ecology and Evolution, 2013, 28, 628-635.	4.2	67
23	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.	0.3	64
24	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.	3.0	64
25	Brain cancer mortality rates increase with Toxoplasma gondii seroprevalence in France. Infection, Genetics and Evolution, 2012, 12, 496-498.	1.0	63
26	African and Asian Zika virus strains differentially induce early antiviral responses in primary human astrocytes. Infection, Genetics and Evolution, 2017, 49, 134-137.	1.0	61
27	A Zika virus from America is more efficiently transmitted than an Asian virus by Aedes aegypti mosquitoes from Asia. Scientific Reports, 2017, 7, 1215.	1.6	61
28	Mayaro Virus Pathogenesis and Transmission Mechanisms. Pathogens, 2020, 9, 738.	1.2	59
29	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, 504-510.	0.6	58
30	Zika virus infection: an update. Microbes and Infection, 2019, 21, 353-360.	1.0	58
31	Bloodâ€feeding and immunogenic Aedes aegypti saliva proteins. Proteomics, 2010, 10, 1906-1916.	1.3	57
32	Zika virus infection modulates the metabolomic profile of microglial cells. PLoS ONE, 2018, 13, e0206093.	1.1	52
33	Infections and cancer: the â€œfifty shades of immunityâ€•hypothesis. BMC Cancer, 2017, 17, 257.	1.1	51
34	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, 1708.	1.8	48
35	Aedes aegypti Saliva Enhances Dengue Virus Infection of Human Keratinocytes by Suppressing Innate Immune Responses. Journal of Investigative Dermatology, 2012, 132, 2103-2105.	0.3	47
36	Natural resistance to cancers: a Darwinian hypothesis to explain Petoâ€™s paradox. BMC Cancer, 2012, 12, 387.	1.1	44

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37	JNK pathway restricts DENV2, ZIKV and CHIKV infection by activating complement and apoptosis in mosquito salivary glands. PLoS Pathogens, 2020, 16, e1008754.	2.1	44
38	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.	1.3	42
39	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.	1.3	41
40	Cancer and life-history traits: lessons from hostâ€“parasite interactions. Parasitology, 2016, 143, 533-541.	0.7	40
41	Dengueâ€virusâ€infected dendritic cells trigger vascular leakage through metalloproteinase overproduction. EMBO Reports, 2006, 7, 1290-1290.	2.0	39
42	Animal behaviour and cancer. Animal Behaviour, 2015, 101, 19-26.	0.8	39
43	Hepatitis B virus Dane particles bind to human plasma apolipoprotein H. Hepatology, 2001, 33, 207-217.	3.6	38
44	Detection of H5N1 Avian Influenza Virus from Mosquitoes Collected in an Infected Poultry Farm in Thailand. Vector-Borne and Zoonotic Diseases, 2008, 8, 105-110.	0.6	35
45	Infection and body odours: Evolutionary and medical perspectives. Infection, Genetics and Evolution, 2009, 9, 1006-1009.	1.0	35
46	Zika virus causes supernumerary foci with centriolar proteins and impaired spindle positioning. Open Biology, 2017, 7, 160231.	1.5	34
47	Aedes Mosquito Salivary Components and Their Effect on the Immune Response to Arboviruses. Frontiers in Cellular and Infection Microbiology, 2020, 10, 407.	1.8	34
48	Proteomic analysis of an Aedes albopictus cell line infected with Dengue serotypes 1 and 3 viruses. Parasites and Vectors, 2011, 4, 138.	1.0	33
49	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.	1.8	32
50	Phylogenetic analysis revealed the co-circulation of four dengue virus serotypes in Southern Thailand. PLoS ONE, 2019, 14, e0221179.	1.1	31
51	Circulation of Alphacoronavirus, Betacoronavirus and Paramyxovirus in Hipposideros bat species in Zimbabwe. Infection, Genetics and Evolution, 2018, 58, 253-257.	1.0	30
52	Neurological and Physiological Disorders in Artemia Harboring Manipulative Cestodes. Journal of Parasitology, 2009, 95, 20-24.	0.3	29
53	Evolutionary perspective of cancer: myth, metaphors, and reality. Evolutionary Applications, 2015, 8, 541-544.	1.5	29
54	Human keratinocytes restrict chikungunya virus replication at a post-fusion step. Virology, 2015, 476, 1-10.	1.1	29

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55	Cancer brings forward oviposition in the fly Drosophila melanogaster. Ecology and Evolution, 2017, 7, 272-276.	0.8	29
56	Two steps to suicide in crickets harbouring hairworms. Animal Behaviour, 2008, 76, 1621-1624.	0.8	28
57	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.	1.0	28
58	Potentiation of NK cell-mediated cytotoxicity in human lung adenocarcinoma: role of NKG2D-dependent pathway. International Immunology, 2008, 20, 801-810.	1.8	27
59	The effects of mosquito saliva on dengue virus infectivity in humans. Current Opinion in Virology, 2016, 21, 139-145.	2.6	25
60	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.	1.0	24
61	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.	3.3	23
62	SAMHD1 Enhances Chikungunya and Zika Virus Replication in Human Skin Fibroblasts. International Journal of Molecular Sciences, 2019, 20, 1695.	1.8	22
63	First screening of <scp>A</scp>edes albopictus immunogenic salivary proteins. Insect Molecular Biology, 2013, 22, 411-423.	1.0	21
64	Differential Susceptibility and Innate Immune Response of Aedes aegypti and Aedes albopictus to the Haitian Strain of the Mayaro Virus. Viruses, 2019, 11, 924.	1.5	21
65	Update on the proteomics of major arthropod vectors of human and animal pathogens. Proteomics, 2012, 12, 3510-3523.	1.3	20
66	Peto's paradox revisited: theoretical evolutionary dynamics of cancer in wild populations. Evolutionary Applications, 2013, 6, 109-116.	1.5	20
67	Monitoring arbovirus in Thailand: Surveillance of dengue, chikungunya and zika virus, with a focus on coinfections. Acta Tropica, 2018, 188, 244-250.	0.9	20
68	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.	1.6	20
69	Isolation of infectious chikungunya virus and dengue virus using anionic polymer-coated magnetic beads. Journal of Virological Methods, 2013, 193, 55-61.	1.0	19
70	Infection of a French Population of Aedes albopictus and of Aedes aegypti (Paea Strain) with Zika Virus Reveals Low Transmission Rates to These Vectorsâ€™ Saliva. International Journal of Molecular Sciences, 2017, 18, 2384.	1.8	19
71	Dengue virus reduces AGPAT1Âexpression to alter phospholipids and enhance infection in Aedes aegypti. PLoS Pathogens, 2019, 15, e1008199.	2.1	19
72	Peridomestic Aedes malayensis and Aedes albopictus are capable vectors of arboviruses in cities. PLoS Neglected Tropical Diseases, 2017, 11, e0005667.	1.3	18

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73	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, .	3.3	18
74	Can Petoâ€™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.	1.1	17
75	New Insights into the Biology of the Emerging Tembusu Virus. Pathogens, 2021, 10, 1010.	1.2	17
76	Herpes simplex virus type 2 and cancer: A medical geography approach. Infection, Genetics and Evolution, 2011, 11, 1239-1242.	1.0	16
77	Cancer Is Not (Only) a Senescence Problem. Trends in Cancer, 2018, 4, 169-172.	3.8	15
78	First detection of dengue and chikungunya viruses in natural populations of Aedes aegypti in Martinique during the 2013 â€“ 2015 concomitant outbreak. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2017, 41, 1.	0.6	14
79	The SU Glycoprotein 120 from HIV-1 Penetrates into Lipid Monolayers Mimicking Plasma Membranes. Journal of Membrane Biology, 2000, 177, 251-257.	1.0	13
80	Mayaro Virus Infects Human Chondrocytes and Induces the Expression of Arthritis-Related Genes Associated with Joint Degradation. Viruses, 2019, 11, 797.	1.5	13
81	Interferon-inducible protein (IFI) 16 regulates Chikungunya and Zika virus infection in human skin fibroblasts. EXCLI Journal, 2019, 18, 467-476.	0.5	13
82	Transmissible cancer and the evolution of sex. PLoS Biology, 2019, 17, e3000275.	2.6	12
83	Aedesin: Structure and Antimicrobial Activity against Multidrug Resistant Bacterial Strains. PLoS ONE, 2014, 9, e105441.	1.1	11
84	Rare and unique adaptations to cancer in domesticated species: An untapped resource?. Evolutionary Applications, 2020, 13, 1605-1614.	1.5	11
85	Cross-talk in hostâ€“parasite associations: What do past and recent proteomics approaches tell us?. Infection, Genetics and Evolution, 2015, 33, 84-94.	1.0	10
86	Increased Mosquito Midgut Infection by Dengue Virus Recruitment of Plasmin Is Blocked by an Endogenous Kazal-type Inhibitor. IScience, 2019, 21, 564-576.	1.9	10
87	Obesity paradox in cancer: Is bigger really better?. Evolutionary Applications, 2019, 12, 1092-1095.	1.5	10
88	Highly conserved Î²16/Î²17 Î²-hairpin structure in human immunodeficiency virus type 1 YU2 gp120 is critical for CCR5 binding. Journal of Molecular Medicine, 2005, 83, 542-552.	1.7	9
89	Identification of apolipoprotein Câ€III as a potential plasmatic biomarker associated with the resolution of hepatitis C virus infection. Proteomics - Clinical Applications, 2008, 2, 751-761.	0.8	9
90	Highly Efficient Vertical Transmission for Zika Virus in Aedes aegypti after Long Extrinsic Incubation Time. Pathogens, 2020, 9, 366.	1.2	9

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91	Mayaro Virus Infects Human Brain Cells and Induces a Potent Antiviral Response in Human Astrocytes. Viruses, 2021, 13, 465.	1.5	9
92	Delineating the Role of Aedes aegypti ABC Transporter Gene Family during Mosquito Development and Arboviral Infection via Transcriptome Analyses. Pathogens, 2021, 10, 1127.	1.2	9
93	Molecular Characterization and Genetic Diversity of Haplogroup E Human Lice in Guinea, West Africa. Microorganisms, 2021, 9, 257.	1.6	8
94	Next-Generation Sequencing on Insectivorous Bat Guano: An Accurate Tool to Identify Arthropod Viruses of Potential Agricultural Concern. Viruses, 2019, 11, 1102.	1.5	7
95	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.	1.6	7
96	Chikungunya and Zika Viruses: Co-Circulation and the Interplay between Viral Proteins and Host Factors. Pathogens, 2021, 10, 448.	1.2	7
97	Hairworm response to notonectid attacks. Animal Behaviour, 2008, 75, 823-826.	0.8	6
98	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, .	1.1	6
99	Inhibition ofNâ€myristoyltransferase1 affects dengue virus replication. MicrobiologyOpen, 2019, 8, e00831.	1.2	6
100	Lipid Interactions Between Flaviviruses and Mosquito Vectors. Frontiers in Physiology, 2021, 12, 763195.	1.3	6
101	Longitudinal Survey of Coronavirus Circulation and Diversity in Insectivorous Bat Colonies in Zimbabwe. Viruses, 2022, 14, 781.	1.5	6
102	Plasmodium infections and fluctuating asymmetry among children and teenagers from Senegal. Infection, Genetics and Evolution, 2015, 32, 97-101.	1.0	5
103	Dengue and Chikungunya Coinfection â€“ The Emergence of an Underestimated Threat. , 2016, , .		5
104	Proteomics and Hostâ€”Pathogen Interactions. , 2011, , 263-303.		4
105	Ecology of <scp>G</scp>ordian knots in natural conditions. Invertebrate Biology, 2012, 131, 294-300.	0.3	4
106	Vector Competence for Dengue-2 Viruses Isolated from Patients with Different Disease Severity. Pathogens, 2020, 9, 859.	1.2	4
107	Cat ownership is neither a strong predictor of Toxoplasma gondii infection nor a risk factor for brain cancer. Biology Letters, 2012, 8, 1042-1042.	1.0	3
108	Induction of defensin response to dengue infection in <scp>A</scp>edes aegypti. Entomological Science, 2015, 18, 199-206.	0.3	3

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109	Cancer and mosquitoes â€“ An unsuspected close connection. Science of the Total Environment, 2020, 743, 140631.	3.9	3
110	Malignancies and High Birth Weight in Human: Which Cancers Could Result from Antagonistic Pleiotropy?. Journal of Evolutionary Medicine, 2012, 1, 1-5.	0.5	3
111	Human host genetics and susceptibility to ZIKV infection. Infection, Genetics and Evolution, 2021, 95, 105066.	1.0	2
112	Favipiravir Inhibits Mayaro Virus Infection in Mice. Viruses, 2021, 13, 2213.	1.5	2
113	Role of skin immune cells and mosquito saliva on the host susceptibility to Dengue virus. , 2016, , .		0
114	Dengue Virus Recruitment of Plasmin Proteolysis Increases Mosquito Midgut Internalization, Enhancing Infection Onset, and this Can Be Blocked by an Endogenous Kazal-Type Inhibitor. SSRN Electronic Journal, 0, , .	0.4	0
115	DENV-captured plasmin enhances mosquito midgut infection and is inhibited by an endogenous Kazal-type inhibitor AaTI. Access Microbiology, 2019, 1, .	0.2	0
116	Phylogenetic relationship between the endosymbiont â€œCandidatus Riesia pediculicolaâ€•and its human louse host. Parasites and Vectors, 2022, 15, 73.	1.0	0