

# Jody Hobson-Peters

## List of Publications by Year in descending order

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76  
papers

2,269  
citations

218677

26  
h-index

265206

42  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2188  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Insect-Specific Flavivirus from Northern Australia Suppresses Replication of West Nile Virus and Murray Valley Encephalitis Virus in Co-infected Mosquito Cells. <i>PLoS ONE</i> , 2013, 8, e56534.	2.5	183
2	Characterization of Virulent West Nile Virus Kunjin Strain, Australia, 2011. <i>Emerging Infectious Diseases</i> , 2012, 18, 792-800.	4.3	121
3	The insect-specific Palm Creek virus modulates West Nile virus infection in and transmission by Australian mosquitoes. <i>Parasites and Vectors</i> , 2016, 9, 414.	2.5	112
4	A versatile reverse genetics platform for SARS-CoV-2 and other positive-strand RNA viruses. <i>Nature Communications</i> , 2021, 12, 3431.	12.8	89
5	West Nile Virus: An Update on Pathobiology, Epidemiology, Diagnostics, Control and "One Health" Implications. <i>Pathogens</i> , 2020, 9, 589.	2.8	79
6	A vaccinia-based single-vector construct multi-pathogen vaccine protects against both Zika and chikungunya viruses. <i>Nature Communications</i> , 2018, 9, 1230.	12.8	71
7	A recombinant platform for flavivirus vaccines and diagnostics using chimeras of a new insect-specific virus. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	70
8	Neutralizing monoclonal antibodies to the E2 protein of chikungunya virus protects against disease in a mouse model. <i>Clinical Immunology</i> , 2013, 149, 487-497.	3.2	67
9	Commensal Viruses of Mosquitoes: Host Restriction, Transmission, and Interaction with Arboviral Pathogens. <i>Evolutionary Bioinformatics</i> , 2016, 12s2, EBO.S40740.	1.2	66
10	A New Clade of Insect-Specific Flaviviruses from Australian <i>Anopheles</i> Mosquitoes Displays Species-Specific Host Restriction. <i>MSphere</i> , 2017, 2, .	2.9	64
11	Viral RNA Intermediates as Targets for Detection and Discovery of Novel and Emerging Mosquito-Borne Viruses. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003629.	3.0	62
12	A novel insect-specific flavivirus replicates only in <i>Aedes</i> -derived cells and persists at high prevalence in wild <i>Aedes vigilax</i> populations in Sydney, Australia. <i>Virology</i> , 2015, 486, 272-283.	2.4	51
13	Determinants of Zika virus host tropism uncovered by deep mutational scanning. <i>Nature Microbiology</i> , 2019, 4, 876-887.	13.3	50
14	A new virus discovered by immunocapture of double-stranded RNA, a rapid method for virus enrichment in metagenomic studies. <i>Molecular Ecology Resources</i> , 2016, 16, 1255-1263.	4.8	47
15	A New Species of Mesonivirus from the Northern Territory, Australia. <i>PLoS ONE</i> , 2014, 9, e911103.	2.5	45
16	The West Nile Virus-Like Flavivirus Koutango Is Highly Virulent in Mice due to Delayed Viral Clearance and the Induction of a Poor Neutralizing Antibody Response. <i>Journal of Virology</i> , 2014, 88, 9947-9962.	3.4	40
17	Infectious DNAs derived from insect-specific flavivirus genomes enable identification of pre- and post-entry host restrictions in vertebrate cells. <i>Scientific Reports</i> , 2017, 7, 2940.	3.3	40
18	West Nile Virus-Induced Activation of Mammalian Target of Rapamycin Complex 1 Supports Viral Growth and Viral Protein Expression. <i>Journal of Virology</i> , 2014, 88, 9458-9471.	3.4	39

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19	A New Orbivirus Isolated from Mosquitoes in North-Western Australia Shows Antigenic and Genetic Similarity to Corriparta Virus but Does Not Replicate in Vertebrate Cells. <i>Viruses</i> , 2016, 8, 141.	3.3	37
20	Mutation of the N-Terminal Region of Chikungunya Virus Capsid Protein: Implications for Vaccine Design. <i>MBio</i> , 2017, 8, .	4.1	37
21	Reduction of Zika virus infectivity in platelet concentrates after treatment with ultraviolet C light and in plasma after treatment with methylene blue and visible light. <i>Transfusion</i> , 2017, 57, 2677-2682.	1.6	35
22	The structure of an infectious immature flavivirus redefines viral architecture and maturation. <i>Science Advances</i> , 2021, 7, .	10.3	33
23	Approaches for the Development of Rapid Serological Assays for Surveillance and Diagnosis of Infections Caused by Zoonotic Flaviviruses of the Japanese Encephalitis Virus Serocomplex. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-15.	3.0	32
24	Safety and immunogenicity of a delta inulin-adjuvanted inactivated Japanese encephalitis virus vaccine in pregnant mares and foals. <i>Veterinary Research</i> , 2014, 45, 130.	3.0	32
25	Antigenic Characterization of New Lineage II Insect-Specific Flaviviruses in Australian Mosquitoes and Identification of Host Restriction Factors. <i>MSphere</i> , 2020, 5, .	2.9	31
26	Discovery and Characterisation of Castlereia Virus, a New Species of <i>Negevirus</i> Isolated in Australia. <i>Evolutionary Bioinformatics</i> , 2017, 13, 117693431769126.	1.2	28
27	A unified route for flavivirus structures uncovers essential pocket factors conserved across pathogenic viruses. <i>Nature Communications</i> , 2021, 12, 3266.	12.8	28
28	ACE2-lentiviral transduction enables mouse SARS-CoV-2 infection and mapping of receptor interactions. <i>PLoS Pathogens</i> , 2021, 17, e1009723.	4.7	28
29	Natural Exposure of Horses to Mosquito-Borne Flaviviruses in South-East Queensland, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 4432-4443.	2.6	26
30	Monoclonal antibodies specific for the capsid protein of chikungunya virus suitable for multiple applications. <i>Journal of General Virology</i> , 2015, 96, 507-512.	2.9	26
31	Virulence and Evolution of West Nile Virus, Australia, 1960–2012. <i>Emerging Infectious Diseases</i> , 2016, 22, 1353-1362.	4.3	26
32	Discovery and characterisation of a new insect-specific bunyavirus from <i>Culex</i> mosquitoes captured in northern Australia. <i>Virology</i> , 2016, 489, 269-281.	2.4	26
33	Protective Efficacy of a Chimeric Insect-Specific Flavivirus Vaccine against West Nile Virus. <i>Vaccines</i> , 2020, 8, 258.	4.4	25
34	A newly discovered flavivirus in the yellow fever virus group displays restricted replication in vertebrates. <i>Journal of General Virology</i> , 2016, 97, 1087-1093.	2.9	25
35	A glycosylated peptide in the West Nile virus envelope protein is immunogenic during equine infection. <i>Journal of General Virology</i> , 2008, 89, 3063-3072.	2.9	24
36	Discovery of a novel iflavivirus sequence in the eastern paralysis tick <i>Ixodes holocyclus</i> . <i>Archives of Virology</i> , 2018, 163, 2451-2457.	2.1	24

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37	A Yellow Fever Virus 17D Infection and Disease Mouse Model Used to Evaluate a Chimeric Binjari-Yellow Fever Virus Vaccine. <i>Vaccines</i> , 2020, 8, 368.	4.4	24
38	A chimeric dengue virus vaccine candidate delivered by high density microarray patches protects against infection in mice. <i>Npj Vaccines</i> , 2021, 6, 66.	6.0	22
39	Discovery of new orbiviruses and totivirus from <i>Anopheles</i> mosquitoes in Eastern Australia. <i>Archives of Virology</i> , 2017, 162, 3529-3534.	2.1	21
40	Arthritogenic Alphavirus Vaccines: Serogrouping Versus Cross-Protection in Mouse Models. <i>Vaccines</i> , 2020, 8, 209.	4.4	21
41	Understanding the role of microRNAs in the interaction of <i>Aedes aegypti</i> mosquitoes with an insect-specific flavivirus. <i>Journal of General Virology</i> , 2017, 98, 1892-1903.	2.9	21
42	Monoclonal antibodies to the West Nile virus NS5 protein map to linear and conformational epitopes in the methyltransferase and polymerase domains. <i>Journal of General Virology</i> , 2009, 90, 2912-2922.	2.9	20
43	Chimeric viruses of the insect-specific flavivirus Palm Creek with structural proteins of vertebrate-infecting flaviviruses identify barriers to replication of insect-specific flaviviruses in vertebrate cells. <i>Journal of General Virology</i> , 2019, 100, 1580-1586.	2.9	19
44	Detection of Antibodies to West Nile Virus in Horses, Costa Rica, 2004. <i>Vector-Borne and Zoonotic Diseases</i> , 2011, 11, 1081-1084.	1.5	17
45	The recently identified flavivirus Bamaga virus is transmitted horizontally by <i>Culex</i> mosquitoes and interferes with West Nile virus replication in vitro and transmission in vivo. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006886.	3.0	16
46	A Zika Vaccine Generated Using the Chimeric Insect-Specific Binjari Virus Platform Protects against Fetal Brain Infection in Pregnant Mice. <i>Vaccines</i> , 2020, 8, 496.	4.4	15
47	Mosquito-Independent Transmission of West Nile virus in Farmed Saltwater Crocodiles ( <i>Crocodylus</i> ) Tj ETQq1 1 0.784314 rgBT /Over	3.3	15
48	Insect-Specific Flavivirus Replication in Mammalian Cells Is Inhibited by Physiological Temperature and the Zinc-Finger Antiviral Protein. <i>Viruses</i> , 2021, 13, 573.	3.3	15
49	New genotypes of Liao ning virus (LNV) in Australia exhibit an insect-specific phenotype. <i>Journal of General Virology</i> , 2018, 99, 596-609.	2.9	14
50	The Chikungunya Virus Capsid Protein Contains Linear B Cell Epitopes in the N- and C-Terminal Regions that are Dependent on an Intact C-Terminus for Antibody Recognition. <i>Viruses</i> , 2015, 7, 2943-2964.	3.3	13
51	The taxonomy of an Australian nodavirus isolated from mosquitoes. <i>PLoS ONE</i> , 2018, 13, e0210029.	2.5	13
52	Structural analysis of 3' UTRs in insect flaviviruses reveals novel determinants of sfRNA biogenesis and provides new insights into flavivirus evolution. <i>Nature Communications</i> , 2022, 13, 1279.	12.8	13
53	NS4/5 mutations enhance flavivirus Bamaga virus infectivity and pathogenicity in vitro and in vivo. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008166.	3.0	12
54	Host ESCRT factors are recruited during chikungunya virus infection and are required for the intracellular viral replication cycle. <i>Journal of Biological Chemistry</i> , 2020, 295, 7941-7957.	3.4	12

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55	The Insect-Specific Parramatta River Virus Is Vertically Transmitted by <i>Aedes vigilax</i> Mosquitoes and Suppresses Replication of Pathogenic Flaviviruses <i>In Vitro</i> . <i>Vector-Borne and Zoonotic Diseases</i> , 2021, 21, 208-215.	1.5	12
56	Novel monoclonal antibodies against Australian strains of negeviruses and insights into virus structure, replication and host-restriction. <i>Journal of General Virology</i> , 2020, 101, 440-452.	2.9	12
57	Genetic divergence among members of the Kokobera group of flaviviruses supports their separation into distinct species. <i>Journal of General Virology</i> , 2013, 94, 1462-1467.	2.9	11
58	Chimeric Vaccines Based on Novel Insect-Specific Flaviviruses. <i>Vaccines</i> , 2021, 9, 1230.	4.4	11
59	A sensitive epitope-blocking ELISA for the detection of Chikungunya virus-specific antibodies in patients. <i>Journal of Virological Methods</i> , 2015, 222, 55-61.	2.1	10
60	Genetic, Morphological and Antigenic Relationships between Mesonivirus Isolates from Australian Mosquitoes and Evidence for Their Horizontal Transmission. <i>Viruses</i> , 2020, 12, 1159.	3.3	10
61	Developing a Stabilizing Formulation of a Live Chimeric Dengue Virus Vaccine Dry Coated on a High-Density Microarray Patch. <i>Vaccines</i> , 2021, 9, 1301.	4.4	10
62	The Chimeric Binjari-Zika Vaccine Provides Long-Term Protection against ZIKA Virus Challenge. <i>Vaccines</i> , 2022, 10, 85.	4.4	10
63	A Unique Relative of Rotifer Birnavirus Isolated from Australian Mosquitoes. <i>Viruses</i> , 2020, 12, 1056.	3.3	8
64	Dermal Delivery of a SARS-CoV-2 Subunit Vaccine Induces Immunogenicity against Variants of Concern. <i>Vaccines</i> , 2022, 10, 578.	4.4	7
65	Reporter Flaviviruses as Tools to Demonstrate Homologous and Heterologous Superinfection Exclusion. <i>Viruses</i> , 2022, 14, 1501.	3.3	7
66	Complete Coding Sequences of Three Members of the Kokobera Group of Flaviviruses. <i>Genome Announcements</i> , 2014, 2, .	0.8	6
67	Inactivation of Japanese encephalitis virus in plasma by methylene blue combined with visible light and in platelet concentrates by ultraviolet C light. <i>Transfusion</i> , 2020, 60, 2655-2660.	1.6	6
68	A whole-blood homogeneous assay for the multiplex detection of the factor V G1691A and the prothrombin G20210A mutations. <i>Molecular and Cellular Probes</i> , 2005, 19, 290-297.	2.1	5
69	Differential Diagnosis of Flavivirus Infections in Horses Using Viral Envelope Protein Domain III Antigens in Enzyme-Linked Immunosorbent Assay. <i>Vector-Borne and Zoonotic Diseases</i> , 2017, 17, 825-835.	1.5	5
70	Clean bill of health? Towards an understanding of health risks posed by urban ibis. <i>Journal of Urban Ecology</i> , 2019, 5, .	1.5	4
71	The I22V and L72S substitutions in West Nile virus prM protein promote enhanced prM/E heterodimerisation and nucleocapsid incorporation. <i>Virology Journal</i> , 2015, 12, 72.	3.4	3
72	Improved detection of flaviviruses in Australian mosquito populations via replicative intermediates. <i>Journal of General Virology</i> , 2021, 102, .	2.9	3

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73	Evidence of Infection with Zoonotic Mosquito-Borne Flaviviruses in Saltwater Crocodiles ( <i>Crocodylus porosus</i> ) in Northern Australia. <i>Viruses</i> , 2022, 14, 1106.	3.3	3
74	Extended characterisation of five archival tick-borne viruses provides insights for virus discovery in Australian ticks. <i>Parasites and Vectors</i> , 2022, 15, 59.	2.5	2
75	Newly discovered mosquito viruses help control vector-borne viral diseases. <i>Microbiology Australia</i> , 2018, 39, 72.	0.4	1
76	Implications of Dengue Virus Maturation on Vaccine Induced Humoral Immunity in Mice. <i>Viruses</i> , 2021, 13, 1843.	3.3	0