Jody Hobson-Peters

List of Publications by Year
in descending order

76	2,269	26	42
papers	citations	h-index	g-index
		218677	265206

79	79	79	2188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Chimeric Binjari-Zika Vaccine Provides Long-Term Protection against ZIKA Virus Challenge. Vaccines, 2022, 10, 85.	4.4	10
2	Extended characterisation of five archival tick-borne viruses provides insights for virus discovery in Australian ticks. Parasites and Vectors, 2022, 15, 59.	2.5	2
3	Structural analysis of 3â€™UTRs in insect flaviviruses reveals novel determinants of sfRNA biogenesis and provides new insights into flavivirus evolution. Nature Communications, 2022, 13, 1279.	12.8	13
4	Dermal Delivery of a SARS-CoV-2 Subunit Vaccine Induces Immunogenicity against Variants of Concern. Vaccines, 2022, 10, 578.	4.4	7
5	Evidence of Infection with Zoonotic Mosquito-Borne Flaviviruses in Saltwater Crocodiles (Crocodylus porosus) in Northern Australia. Viruses, 2022, 14, 1106.	3.3	3
6	Reporter Flaviviruses as Tools to Demonstrate Homologous and Heterologous Superinfection Exclusion. Viruses, 2022, 14, 1501.	3.3	7
7	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>. Vector-Borne and Zoonotic Diseases, 2021, 21, 208-215.	1.5	12
8	Insect-Specific Flavivirus Replication in Mammalian Cells Is Inhibited by Physiological Temperature and the Zinc-Finger Antiviral Protein. Viruses, 2021, 13, 573.	3.3	15
9	A chimeric dengue virus vaccine candidate delivered by high density microarray patches protects against infection in mice. Npj Vaccines, 2021, 6, 66.	6.0	22
10	The structure of an infectious immature flavivirus redefines viral architecture and maturation. Science Advances, 2021, 7, .	10.3	33
11	A unified route for flavivirus structures uncovers essential pocket factors conserved across pathogenic viruses. Nature Communications, 2021, 12, 3266.	12.8	28
12	A versatile reverse genetics platform for SARS-CoV-2 and other positive-strand RNA viruses. Nature Communications, 2021, 12, 3431.	12.8	89
13	Improved detection of flaviviruses in Australian mosquito populations via replicative intermediates. Journal of General Virology, 2021, 102, .	2.9	3
14	ACE2-lentiviral transduction enables mouse SARS-CoV-2 infection and mapping of receptor interactions. PLoS Pathogens, 2021, 17, e1009723.	4.7	28
15	Implications of Dengue Virus Maturation on Vaccine Induced Humoral Immunity in Mice. Viruses, 2021, 13, 1843.	3.3	0
16	Chimeric Vaccines Based on Novel Insect-Specific Flaviviruses. Vaccines, 2021, 9, 1230.	4.4	11
17	Developing a Stabilizing Formulation of a Live Chimeric Dengue Virus Vaccine Dry Coated on a High-Density Microarray Patch. Vaccines, 2021, 9, 1301.	4.4	10
18	A Yellow Fever Virus 17D Infection and Disease Mouse Model Used to Evaluate a Chimeric Binjari-Yellow Fever Virus Vaccine. Vaccines, 2020, 8, 368.	4.4	24

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19	West Nile Virus: An Update on Pathobiology, Epidemiology, Diagnostics, Control and â€œOne Healthâ€• Implications. Pathogens, 2020, 9, 589.	2.8	79
20	A Zika Vaccine Generated Using the Chimeric Insect-Specific Binjari Virus Platform Protects against Fetal Brain Infection in Pregnant Mice. Vaccines, 2020, 8, 496.	4.4	15
21	Inactivation of <scp>Japanese</scp> encephalitis virus in plasma by methylene blue combined with visible light and in platelet concentrates by ultraviolet <scp>C</scp> light. Transfusion, 2020, 60, 2655-2660.	1.6	6
22	A Unique Relative of Rotifer Birnavirus Isolated from Australian Mosquitoes. Viruses, 2020, 12, 1056.	3.3	8
23	Genetic, Morphological and Antigenic Relationships between Mesonivirus Isolates from Australian Mosquitoes and Evidence for Their Horizontal Transmission. Viruses, 2020, 12, 1159.	3.3	10
24	Arthritogenic Alphavirus Vaccines: Serogrouping Versus Cross-Protection in Mouse Models. Vaccines, 2020, 8, 209.	4.4	21
25	Protective Efficacy of a Chimeric Insect-Specific Flavivirus Vaccine against West Nile Virus. Vaccines, 2020, 8, 258.	4.4	25
26	Antigenic Characterization of New Lineage II Insect-Specific Flaviviruses in Australian Mosquitoes and Identification of Host Restriction Factors. MSphere, 2020, 5, .	2.9	31
27	NS4/5 mutations enhance flavivirus Bamaga virus infectivity and pathogenicity in vitro and in vivo. PLoS Neglected Tropical Diseases, 2020, 14, e0008166.	3.0	12
28	Mosquito-Independent Transmission of West Nile virus in Farmed Saltwater Crocodiles (Crocodylus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	15
29	Host ESCRT factors are recruited during chikungunya virus infection and are required for the intracellular viral replication cycle. Journal of Biological Chemistry, 2020, 295, 7941-7957.	3.4	12
30	Novel monoclonal antibodies against Australian strains of negeviruses and insights into virus structure, replication and host -restriction. Journal of General Virology, 2020, 101, 440-452.	2.9	12
31	Clean bill of health? Towards an understanding of health risks posed by urban ibis. Journal of Urban Ecology, 2019, 5, .	1.5	4
32	Determinants of Zika virus host tropism uncovered by deep mutational scanning. Nature Microbiology, 2019, 4, 876-887.	13.3	50
33	A recombinant platform for flavivirus vaccines and diagnostics using chimeras of a new insect-specific virus. Science Translational Medicine, 2019, 11, .	12.4	70
34	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. Journal of General Virology, 2019, 100, 1580-1586.	2.9	19
35	A vaccinia-based singleÂvector construct multi-pathogen vaccine protects against both Zika and chikungunya viruses. Nature Communications, 2018, 9, 1230.	12.8	71
36	The taxonomy of an Australian nodavirus isolated from mosquitoes. PLoS ONE, 2018, 13, e0210029.	2.5	13

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37	The recently identified flavivirus Bamaga virus is transmitted horizontally by Culex mosquitoes and interferes with West Nile virus replication in vitro and transmission in vivo. PLoS Neglected Tropical Diseases, 2018, 12, e0006886.	3.0	16
38	Discovery of a novel iflavirus sequence in the eastern paralysis tick Ixodes holocyclus. Archives of Virology, 2018, 163, 2451-2457.	2.1	24
39	Newly discovered mosquito viruses help control vector-borne viral diseases. Microbiology Australia, 2018, 39, 72.	0.4	1
40	New genotypes of Liao ning virus (LNV) in Australia exhibit an insect-specific phenotype. Journal of General Virology, 2018, 99, 596-609.	2.9	14
41	Mutation of the N-Terminal Region of Chikungunya Virus Capsid Protein: Implications for Vaccine Design. MBio, 2017, 8, .	4.1	37
42	Infectious DNAs derived from insect-specific flavivirus genomes enable identification of pre- and post-entry host restrictions in vertebrate cells. Scientific Reports, 2017, 7, 2940.	3.3	40
43	Differential Diagnosis of Flavivirus Infections in Horses Using Viral Envelope Protein Domain III Antigens in Enzyme-Linked Immunosorbent Assay. Vector-Borne and Zoonotic Diseases, 2017, 17, 825-835.	1.5	5
44	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. Transfusion, 2017, 57, 2677-2682.	1.6	35
45	A New Clade of Insect-Specific Flaviviruses from Australian <i>Anopheles</i> Mosquitoes Displays Species-Specific Host Restriction. MSphere, 2017, 2, .	2.9	64
46	Discovery of new orbiviruses and totivirus from Anopheles mosquitoes in Eastern Australia. Archives of Virology, 2017, 162, 3529-3534.	2.1	21
47	Discovery and Characterisation of Castlerea Virus, a New Species of <i>Negevirus</i> Isolated in Australia. Evolutionary Bioinformatics, 2017, 13, 117693431769126.	1.2	28
48	Understanding the role of microRNAs in the interaction of Aedes aegypti mosquitoes with an insect-specific flavivirus. Journal of General Virology, 2017, 98, 1892-1903.	2.9	21
49	Commensal Viruses of Mosquitoes: Host Restriction, Transmission, and Interaction with Arboviral Pathogens. Evolutionary Bioinformatics, 2016, 12s2, EBO.S40740.	1.2	66
50	Virulence and Evolution of West Nile Virus, Australia, 1960â€“2012. Emerging Infectious Diseases, 2016, 22, 1353-1362.	4.3	26
51	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. Viruses, 2016, 8, 141.	3.3	37
52	A new virus discovered by immunocapture of doubleâ€stranded <scp>RNA</scp>, a rapid method for virus enrichment in metagenomic studies. Molecular Ecology Resources, 2016, 16, 1255-1263.	4.8	47
53	The insect-specific Palm Creek virus modulates West Nile virus infection in and transmission by Australian mosquitoes. Parasites and Vectors, 2016, 9, 414.	2.5	112
54	Discovery and characterisation of a new insect-specific bunyavirus from Culex mosquitoes captured in northern Australia. Virology, 2016, 489, 269-281.	2.4	26

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55	A newly discovered flavivirus in the yellow fever virus group displays restricted replication in vertebrates. Journal of General Virology, 2016, 97, 1087-1093.	2.9	25
56	The I22V and L72S substitutions in West Nile virus prM protein promote enhanced prM/E heterodimerisation and nucleocapsid incorporation. Virology Journal, 2015, 12, 72.	3.4	3
57	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. Viruses, 2015, 7, 2943-2964.	3.3	13
58	A sensitive epitope-blocking ELISA for the detection of Chikungunya virus-specific antibodies in patients. Journal of Virological Methods, 2015, 222, 55-61.	2.1	10
59	A novel insect-specific flavivirus replicates only in Aedes-derived cells and persists at high prevalence in wild Aedes vigilax populations in Sydney, Australia. Virology, 2015, 486, 272-283.	2.4	51
60	Viral RNA Intermediates as Targets for Detection and Discovery of Novel and Emerging Mosquito-Borne Viruses. PLoS Neglected Tropical Diseases, 2015, 9, e0003629.	3.0	62
61	Monoclonal antibodies specific for the capsid protein of chikungunya virus suitable for multiple applications. Journal of General Virology, 2015, 96, 507-512.	2.9	26
62	West Nile Virus-Induced Activation of Mammalian Target of Rapamycin Complex 1 Supports Viral Growth and Viral Protein Expression. Journal of Virology, 2014, 88, 9458-9471.	3.4	39
63	Complete Coding Sequences of Three Members of the Kokobera Group of Flaviviruses. Genome Announcements, 2014, 2, .	0.8	6
64	Safety and immunogenicity of a delta inulin-adjuvanted inactivated Japanese encephalitis virus vaccine in pregnant mares and foals. Veterinary Research, 2014, 45, 130.	3.0	32
65	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. Journal of Virology, 2014, 88, 9947-9962.	3.4	40
66	A New Species of Mesonivirus from the Northern Territory, Australia. PLoS ONE, 2014, 9, e91103.	2.5	45
67	Neutralizing monoclonal antibodies to the E2 protein of chikungunya virus protects against disease in a mouse model. Clinical Immunology, 2013, 149, 487-497.	3.2	67
68	A New Insect-Specific Flavivirus from Northern Australia Suppresses Replication of West Nile Virus and Murray Valley Encephalitis Virus in Co-infected Mosquito Cells. PLoS ONE, 2013, 8, e56534.	2.5	183
69	Natural Exposure of Horses to Mosquito-Borne Flaviviruses in South-East Queensland, Australia. International Journal of Environmental Research and Public Health, 2013, 10, 4432-4443.	2.6	26
70	Genetic divergence among members of the Kokobera group of flaviviruses supports their separation into distinct species. Journal of General Virology, 2013, 94, 1462-1467.	2.9	11
71	Approaches for the Development of Rapid Serological Assays for Surveillance and Diagnosis of Infections Caused by Zoonotic Flaviviruses of the Japanese Encephalitis Virus Serocomplex. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-15.	3.0	32
72	Characterization of Virulent West Nile Virus Kunjin Strain, Australia, 2011. Emerging Infectious Diseases, 2012, 18, 792-800.	4.3	121

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73	Detection of Antibodies to West Nile Virus in Horses, Costa Rica, 2004. Vector-Borne and Zoonotic Diseases, 2011, 11, 1081-1084.	1.5	17
74	Monoclonal antibodies to the West Nile virus NS5 protein map to linear and conformational epitopes in the methyltransferase and polymerase domains. Journal of General Virology, 2009, 90, 2912-2922.	2.9	20
75	A glycosylated peptide in the West Nile virus envelope protein is immunogenic during equine infection. Journal of General Virology, 2008, 89, 3063-3072.	2.9	24
76	A whole-blood homogeneous assay for the multiplex detection of the factor V G1691A and the prothrombin G20210A mutations. Molecular and Cellular Probes, 2005, 19, 290-297.	2.1	5