John S Mackenzie

List of Publications by Year
in descending order

134 papers	7,314 citations	71102 41 h-index	62596 80 g-index
135 all docs	135 docs citations	135 times ranked	7331 citing authors

#	Article	IF	Citations
1	Emerging flaviviruses: the spread and resurgence of Japanese encephalitis, West Nile and dengue viruses. Nature Medicine, 2004, 10, S98-S109.	30.7	1,081
2	Ecology and Geographical Expansion of Japanese Encephalitis Virus. Annual Review of Entomology, 2009, 54, 17-35.	11.8	378
3	The One Health Approachâ€"Why Is It So Important?. Tropical Medicine and Infectious Disease, 2019, 4, 88.	2.3	352
4	The natural history of Hendra and Nipah viruses. Microbes and Infection, 2001, 3, 307-314.	1.9	340
5	COVID-19: a novel zoonotic disease caused by a coronavirus from China: what we know and what we don't. Microbiology Australia, 2020, 41, 45.	0.4	340
6	An outbreak of Japanese encephalitis in the Torres Strait, Australia, 1995. Medical Journal of Australia, 1996, 165, 256-260.	1.7	298
7	Japanese encephalitis in north Queensland, Australia, 1998. Medical Journal of Australia, 1999, 170, 533-536.	1.7	231
8	Statement in support of the scientists, public health professionals, and medical professionals of China combatting COVID-19. Lancet, The, 2020, 395, e42-e43.	13.7	182
9	Genetic analysis of West Nile New York 1999 encephalitis virus. Lancet, The, 1999, 354, 1971-1972.	13.7	168
10	International Editors: Emerging Viral Diseases: An Australian Perspective. Emerging Infectious Diseases, 1999, 5, 1-8.	4.3	145
11	Isolation of Japanese Encephalitis Virus from Culex annulirostris in Australia. American Journal of Tropical Medicine and Hygiene, 1997, 56, 80-84.	1.4	114
12	A comparison of the diseases caused by Ross River virus and Barmah Forest virus. Medical Journal of Australia, 1998, 169, 159-163.	1.7	108
13	Dengue and climate change in Australia: predictions for the future should incorporate knowledge from the past. Medical Journal of Australia, 2009, 190, 265-268.	1.7	105
14	The influenza viruses. Medical Journal of Australia, 2006, 185, S39-43.	1.7	99
15	Global Distribution of Novel Rhinovirus Genotype. Emerging Infectious Diseases, 2008, 14, 944-947.	4.3	97
16	Emerging zoonotic encephalitis viruses: Lessons from Southeast Asia and Oceania. Journal of NeuroVirology, 2005, 11, 434-440.	2.1	84
17	Molecular characterization of the first Australian isolate of Japanese encephalitis virus, the FU strain. Journal of General Virology, 2000, 81, 2471-2480.	2.9	78
18	Identification of australian arboviruses in inoculated cell cultures using monoclonal antibodies in ELISA. Pathology, 1998, 30, 286-288.	0.6	76

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19	Ross River Virus Isolations from Mosquitoes in Arid Regions of Western Australia: Implication of Vertical Transmission as a Means of Persistence of the Virus. American Journal of Tropical Medicine and Hygiene, 1993, 49, 686-696.	1.4	76
20	Dengue virus binding to human leukocyte cell lines: receptor usage differs between cell types and virus strains. Virus Research, 2001, 73, 81-89.	2.2	74
21	From Hendra to Wuhan: what has been learned in responding to emerging zoonotic viruses. Lancet, The, 2020, 395, e33-e34.	13.7	74
22	Murray Valley encephalitis: a review of clinical features, diagnosis and treatment. Medical Journal of Australia, 2012, 196, 322-326.	1.7	73
23	Vector Competence of Australian Mosquitoes for Chikungunya Virus. Vector-Borne and Zoonotic Diseases, 2010, 10, 489-495.	1.5	71
24	A molecular epidemiological study of Australian bat lyssavirus. Journal of General Virology, 2003, 84, 485-496.	2.9	71
25	Australian Encephalitis in Western Australia, 1978â€“1991. Medical Journal of Australia, 1993, 158, 591-595.	1.7	67
26	Zika virus and Guillain-BarrÃ© syndrome: another viral cause to add to the list. Lancet, The, 2016, 387, 1486-1488.	13.7	67
27	THE FIRST ISOLATION OF JAPANESE ENCEPHALITIS VIRUS FROM MOSQUITOES COLLECTED FROM MAINLAND AUSTRALIA. American Journal of Tropical Medicine and Hygiene, 2006, 75, 21-25.	1.4	64
28	Mosquitoâ€borne viruses and epidemic polyarthritis. Medical Journal of Australia, 1996, 164, 90-93.	1.7	62
29	Kunjin Virus. Annals of the New York Academy of Sciences, 2001, 951, 153-160.	3.8	58
30	Investigation of Gray-Headed Flying Foxes (Pteropus poliocephalus) (Megachiroptera: Pteropodidae) and Mosquitoes in the Ecology of Ross River Virus in Australia. American Journal of Tropical Medicine and Hygiene, 1997, 57, 476-482.	1.4	58
31	Domestic Pigs and Japanese Encephalitis Virus Infection, Australia. Emerging Infectious Diseases, 2008, 14, 1736-1738.	4.3	57
32	Vertebrate Reservoirs of Arboviruses: Myth, Synonym of Amplifier, or Reality?. Viruses, 2017, 9, 185.	3.3	56
33	Japanese Encephalitis Virus: The Geographic Distribution, Incidence, and Spread of a Virus with a Propensity to Emerge in New Areas. Perspectives in Medical Virology, 2006, 16, 201-268.	0.1	55
34	The Global Outbreak Alert and Response Network. Global Public Health, 2014, 9, 1023-1039.	2.0	55
35	Role of China in the Quest To Define and Control Severe Acute Respiratory Syndrome. Emerging Infectious Diseases, 2003, 9, 1037-1041.	4.3	53
36	Transmission of Japanese Encephalitis Virus from the Black Flying Fox, Pteropus alecto, to Culex annulirostris Mosquitoes, Despite the Absence of Detectable Viremia. American Journal of Tropical Medicine and Hygiene, 2009, 81, 457-462.	1.4	53

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37	Characterization of Defective Viral RNA Produced during Persistent Infection of Vero Cells with Murray Valley Encephalitis Virus. Journal of Virology, 1998, 72, 2474-2482.	3.4	51
38	Climate Variability, Social and Environmental Factors, and Ross River Virus Transmission: Research Development and Future Research Needs. Environmental Health Perspectives, 2008, 116, 1591-1597.	6.0	49
39	Impacts of El NiÃ±o Southern Oscillation and Indian Ocean Dipole on dengue incidence in Bangladesh. Scientific Reports, 2015, 5, 16105.	3.3	48
40	Immunisation with gamma globulin to Murray Valley encephalitis virus and with an inactivated Japanese encephalitis virus vaccine as prophylaxis against Australian encephalitis: Evaluation in a mouse model. , 2000, 61, 259-265.		47
41	Reservoirs and vectors of emerging viruses. Current Opinion in Virology, 2013, 3, 170-179.	5.4	47
42	Geographic Distribution and Evolution of Ross River Virus in Australia and the Pacific Islands. Virology, 1995, 212, 20-29.	2.4	46
43	Yellow fever vaccine supply: a possible solution. Lancet, The, 2016, 387, 1599-1600.	13.7	44
44	SARS legacy: outbreak reporting is expected and respected. Lancet, The, 2013, 381, 779-781.	13.7	40
45	Isolation of Murray Valley Encephalitis and Ross River Viruses from Aedes normanensis (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.8	39
46	The viruses of Australia and the risk to tourists. Travel Medicine and Infectious Disease, 2011, 9, 113-125.	3.0	39
47	Genetic Stability Among Temporally and Geographically Diverse Isolates of Barmah Forest Virus. American Journal of Tropical Medicine and Hygiene, 1997, 57, 230-234.	1.4	38
48	Detection and stability of Japanese encephalitis virus RNA and virus viability in dead infected mosquitoes under different storage conditions.. American Journal of Tropical Medicine and Hygiene, 2002, 67, 656-661.	1.4	38
49	Absence of MERS-CoV antibodies in feral camels in Australia: Implications for the pathogen's origin and spread. One Health, 2015, 1, 76-82.	3.4	37
50	Introduction: Conceptualizing and Partitioning the Emergence Process of Zoonotic Viruses from Wildlife to Humans. Current Topics in Microbiology and Immunology, 2007, 315, 1-31.	1.1	36
51	Two Possible Mechanisms for Survival and Initiation of Murray Valley Encephalitis Virus Activity in the Kimberley Region of Western Australia. American Journal of Tropical Medicine and Hygiene, 1995, 53, 95-99.	1.4	36
52	An outbreak of Barmah Forest virus disease in the southâ€west of Western Australia. Medical Journal of Australia, 1995, 162, 291-294.	1.7	36
53	Biological, antigenic and phylogenetic characterization of the flavivirus Alfuy. Journal of General Virology, 2006, 87, 329-337.	2.9	35
54	Emergence of Barmah Forest Virus in Western Australia1. Emerging Infectious Diseases, 1995, 1, 22-26.	4.3	34

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55	Japanese Encephalitis Virus in Australia: From Known Known to Known Unknown. Tropical Medicine and Infectious Disease, 2019, 4, 38.	2.3	34
56	One Health: From Concept to Practice. , 2014, , 163-189.		32
57	Identification and analysis of truncated and elongated species of the flavivirus NS1 protein. Virus Research, 1999, 60, 67-79.	2.2	31
58	EPIZOOTIC ACTIVITY OF MURRAY VALLEY ENCEPHALITIS AND KUNJIN VIRUSES IN AN ABORIGINAL COMMUNITY IN THE SOUTHEAST KIMBERLEY REGION OF WESTERN AUSTRALIA: RESULTS OF MOSQUITO FAUNA AND VIRUS ISOLATION STUDIES. American Journal of Tropical Medicine and Hygiene, 2003, 69, 277-283.	1.4	31
59	Transmission of Japanese Encephalitis virus from the black flying fox, Pteropus alecto, to Culex annulirostris mosquitoes, despite the absence of detectable viremia. American Journal of Tropical Medicine and Hygiene, 2009, 81, 457-62.	1.4	31
60	The Emergence of Japanese Encephalitis Virus in Australia in 2022: Existing Knowledge of Mosquito Vectors. Viruses, 2022, 14, 1208.	3.3	30
61	Identification of new flaviviruses in the Kokobera virus complex. Journal of General Virology, 2005, 86, 121-124.	2.9	28
62	Dengue viruses in Papua New Guinea: evidence of endemicity and phylogenetic variation, including the evolution of new genetic lineages. Emerging Microbes and Infections, 2017, 6, 1-11.	6.5	28
63	Spatial and Temporal Patterns of Locally-Acquired Dengue Transmission in Northern Queensland, Australia, 1993â€“2012. PLoS ONE, 2014, 9, e92524.	2.5	28
64	Time trends in the prevalence of human papillomavirus infections in archival Papanicolaou smears: Analysis by cytology, DNA hybridization, and polymerase chain reaction. Journal of Medical Virology, 1990, 32, 10-17.	5.0	27
65	Determination of the intramolecular disulfide bond arrangement and biochemical identification of the glycosylation sites of the nonstructural protein NS1 of Murray Valley encephalitis virus. Journal of General Virology, 2001, 82, 2251-2256.	2.9	27
66	Phylogenetic analysis of the E2 gene of classical swine fever viruses from Lao PDR. Virus Research, 2004, 104, 87-92.	2.2	27
67	Epizootic activity of Murray Valley encephalitis virus in an aboriginal community in the southeast Kimberley region of Western Australia: results of cross-sectional and longitudinal serologic studies.. American Journal of Tropical Medicine and Hygiene, 2002, 67, 319-323.	1.4	25
68	Short report: the first isolation of Japanese encephalitis virus from mosquitoes collected from mainland Australia. American Journal of Tropical Medicine and Hygiene, 2006, 75, 21-5.	1.4	25
69	Serum IgG subclass responses of humans to inactivated and live influenza A vaccines compared to natural infections with influenza A. Journal of Medical Virology, 1990, 30, 92-96.	5.0	24
70	Measuring the relationship between interruptions, multitasking and prescribing errors in an emergency department: a study protocol: TableÂ1. BMJ Open, 2015, 5, e009076.	1.9	24
71	COVID-19â€”A Novel Zoonotic Disease: A Review of the Disease, the Virus, and Public Health Measures. Asia-Pacific Journal of Public Health, 2020, 32, 145-153.	1.0	24
72	Field Evaluation of a Sentinel Mosquito (Diptera: Culicidae) Trap System to Detect Japanese Encephalitis in Remote Australia. Journal of Medical Entomology, 2003, 40, 249-252.	1.8	23

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73	Weather Variability, Tides, and Barmah Forest Virus Disease in the Gladstone Region, Australia. Environmental Health Perspectives, 2006, 114, 678-683.	6.0	23
74	Genetic characterization of K13965, a strain of Oak Vale virus from Western Australia. Virus Research, 2011, 160, 206-213.	2.2	23
75	The ecology and epidemiology of Ross River and Murray Valley encephalitis viruses in Western Australia: examples of One Health in Action. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2017, 111, 248-254.	1.8	23
76	Effect of respiratory tract viral infection on murine airway Î²â€adrenoceptor function, distribution and density. British Journal of Pharmacology, 1991, 104, 914-921.	5.4	22
77	Prevalence of neutralising antibodies to Barmah Forest, Sindbis and Trubanaman viruses in animals and humans in the south-west of Western Australia. Australian Journal of Zoology, 2005, 53, 51.	1.0	21
78	First external quality assurance of antibody diagnostic for SARS-new coronavirus. Journal of Clinical Virology, 2005, 34, 22-25.	3.1	21
79	Genetic and phenotypic differences between isolates of Murray Valley encephalitis virus in Western Australia, 1972â€“2003. Virus Genes, 2007, 35, 147-154.	1.6	21
80	Epidemiologic Patterns of Ross River Virus Disease in Queensland, Australia, 2001â€“2011. American Journal of Tropical Medicine and Hygiene, 2014, 91, 109-118.	1.4	21
81	Development of a predictive model for ross river virus disease in Brisbane, Australia. American Journal of Tropical Medicine and Hygiene, 2004, 71, 129-37.	1.4	21
82	Determinants of attenuation in the envelope protein of the flavivirus Alfuy. Journal of General Virology, 2011, 92, 2286-2296.	2.9	20
83	Highlights from Science Policy Interface sessions at the One Health Congress 2020. One Health Outlook, 2021, 3, 1.	3.4	20
84	Genetic Typing of Classical Swine Fever Viruses from Lao PDR by Analysis of the 5â€² Non-Coding Region. Virus Genes, 2005, 31, 349-355.	1.6	19
85	West Nile virus: is there a message for Australia?. Medical Journal of Australia, 2003, 178, 5-6.	1.7	18
86	Science, not speculation, is essential to determine how SARS-CoV-2 reached humans. Lancet, The, 2021, 398, 209-211.	13.7	18
87	Exploiting the Legacy of the Arbovirus Hunters. Viruses, 2019, 11, 471.	3.3	17
88	The Diversity and Distribution of Viruses Associated with Culex annulirostris Mosquitoes from the Kimberley Region of Western Australia. Viruses, 2020, 12, 717.	3.3	17
89	A review of the epidemiology and surveillance of viral zoonotic encephalitis and the impact on human health in Australia. NSW Public Health Bulletin, 2011, 22, 99.	0.3	16
90	The Effect of Climate on the Incidence of Vector-Borne Viral Diseases in Australia: The Potential Value of Seasonal Forecasting. Atmospheric and Oceanographic Sciences Library, 2000, , 429-452.	0.1	16

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91	Flavivirus isolations from mosquitoes collected from western Cape York Peninsula, Australia, 1999-2000. Journal of the American Mosquito Control Association, 2003, 19, 392-6.	0.7	16
92	Low seroprevalence of Murray Valley Encephalitis and Kunjin viruses in an opportunistic serosurvey, Victoria 2011. Australian and New Zealand Journal of Public Health, 2013, 37, 427-433.	1.8	15
93	Socioâ€environmental predictors of Barmah forest virus transmission in coastal areas, Queensland, Australia. Tropical Medicine and International Health, 2009, 14, 247-256.	2.3	14
94	Genome-Scale Phylogeny and Evolutionary Analysis of Ross River Virus Reveals Periodic Sweeps of Lineage Dominance in Western Australia, 1977â€“2014. Journal of Virology, 2020, 94, .	3.4	14
95	The molecular epidemiology of Kokobera virus. Virus Research, 2000, 68, 7-13.	2.2	13
96	Epitope-Blocking Enzyme-Linked Immunosorbent Assay for Detection of Antibodies to Ross River Virus in Vertebrate Sera. Vaccine Journal, 2006, 13, 814-817.	3.1	13
97	Rainfall and sentinel chicken seroconversions predict human cases of Murray Valley encephalitis in the north of Western Australia. BMC Infectious Diseases, 2014, 14, 672.	2.9	13
98	Projecting Future Transmission of Malaria Under Climate Change Scenarios: Challenges and Research Needs. Critical Reviews in Environmental Science and Technology, 2015, 45, 777-811.	12.8	13
99	Discovery of Jogalong virus, a novel hepacivirus identified in a Culex annulirostris (Skuse) mosquito from the Kimberley region of Western Australia. PLoS ONE, 2020, 15, e0227114.	2.5	13
100	Responding to emerging diseases: reducing the risks through understanding the mechanisms of emergence. Western Pacific Surveillance and Response Journal: WPSAR, 2011, 2, 1-5.	0.6	13
101	The Molecular Epidemiology and Evolution of Murray Valley Encephalitis Virus: Recent Emergence of Distinct Sub-lineages of the Dominant Genotype 1. PLoS Neglected Tropical Diseases, 2015, 9, e0004240.	3.0	12
102	Epizootic activity of Murray Valley encephalitis and Kunjin viruses in an aboriginal community in the southeast Kimberley region of Western Australia: results of mosquito fauna and virus isolation studies. American Journal of Tropical Medicine and Hygiene, 2003, 69, 277-83.	1.4	12
103	Complete genomic sequence of the Australian south-west genotype of Sindbis virus: comparisons with other Sindbis strains and identification of a unique deletion in the 3'-untranslated region. Virus Genes, 2003, 26, 317-327.	1.6	11
104	Periodic global One Health threats update. One Health, 2016, 2, 1-7.	3.4	11
105	Efficacies of the mosquitomagnet and counterflow geometry traps in North Queensland, Australia. Journal of the American Mosquito Control Association, 2003, 19, 265-70.	0.7	11
106	Specific enzyme immunoassays for the rapid detection of Ross River virus in cell cultures inoculated with infected mosquito homogenates. Clinical and Diagnostic Virology, 1995, 4, 195-205.	1.7	10
107	Phylogenetic and Timescale Analysis of Barmah Forest Virus as Inferred from Genome Sequence Analysis. Viruses, 2020, 12, 732.	3.3	9
108	1st International One Health Congress. EcoHealth, 2011, 7, 1-2.	2.0	8

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109	Apnoeic oxygenation was associated with decreased desaturation rates during rapid sequence intubation in multiple Australian and New Zealand emergency departments. Emergency Medicine Journal, 2021, 38, 118-124.	1.0	8
110	Two-dimensional gel electrophoresis or RNase T1 resistant oligonucleotides of flavivirus RNA using ultrathin gels. Journal of Virological Methods, 1989, 23, 71-76.	2.1	7
111	Detection of Ross River virus in clinical samples using a nested reverse transcription-polymerase chain reaction. Clinical and Diagnostic Virology, 1995, 4, 257-267.	1.7	7
112	Toponymous diseases of Australia. Medical Journal of Australia, 2010, 193, 642-646.	1.7	7
113	Analysis of Arbovirus Isolates from Australia Identifies Novel Bunyaviruses Including a Mapputta Group Virus from Western Australia That Links Gan Gan and Maprik Viruses. PLoS ONE, 2016, 11, e0164868.	2.5	7
114	The legacies of SARS - international preparedness and readiness to respond to future threats in the Western Pacific Region. Western Pacific Surveillance and Response Journal: WPSAR, 2013, 4, 4-8.	0.6	7
115	Murray Valley encephalitis acquired in Western Australia. Medical Journal of Australia, 1991, 154, 845-846.	1.7	6
116	The role of bats as reservoir hosts of emerging neurological viruses. , 0, , 382-406.		4
117	The â€˜One Healthâ€™ journal: Filling a niche. One Health, 2016, 2, 18.	3.4	4
118	Genome Sequence Analysis of First Ross River Virus Isolate from Papua New Guinea Indicates Long-Term, Local Evolution. Viruses, 2021, 13, 482.	3.3	4
119	The Role of Bats as Reservoir Hosts of Emerging Neuroviruses. , 2016, , 403-454.		3
120	Pandemic preparedness planning in peacetime: what is missing?. One Health Outlook, 2020, 2, 19.	3.4	3
121	One Health: its recent evolution and driving issues. Microbiology Australia, 2012, 33, 137.	0.4	3
122	Zoonoses. Microbiology Australia, 2020, 41, 3.	0.4	2
123	Responding to emerging diseases: reducing the risks through understanding of emergence. Western Pacific Surveillance and Response Journal: WPSAR, 2011, 2, e1-e1.	0.6	2
124	The risks to Australia from emerging and exotic arboviruses. Microbiology Australia, 2018, 39, 84.	0.4	1
125	Ross River virus - at the interface between humans, animals and the environment. Microbiology Australia, 2012, 33, 160-162.	0.4	1
126	Antigenic and genetic typing of Whataroa viruses in Australia. American Journal of Tropical Medicine and Hygiene, 2004, 71, 262-7.	1.4	1

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127	Cover Essay: Warrnyu, the Fruit Bats. EcoHealth, 2011, 7, 6-7.	2.0	0
128	An appeal for an objective, open, and transparent scientific debate about the origin of SARS-CoV-2 â€“ Authors' reply. Lancet, The, 2021, 398, 1404-1405.	13.7	0
129	Australian Biosecurity CRC for Emerging Infectious Diseases (AB-CRC). Microbiology Australia, 2003, 24, 38.	0.4	0
130	The effect of climate change on Australian arboviruses. Microbiology Australia, 2009, 30, 62.	0.4	0
131	Nipah virus. Microbiology Australia, 2009, 30, 145.	0.4	0
132	2009 human H1N1 influenza (swine flu). Microbiology Australia, 2009, 30, 127.	0.4	0
133	Emerging Infectious Disease. Microbiology Australia, 2009, 30, 112.	0.4	0
134	Defining the Future of One Health. , 0, , 253-267.		0