

John Sebastian Eden

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,040
citations

147786
31
h-index

85537
71
g-index

109
all docs

109
docs citations

109
times ranked

8249
citing authors

#	ARTICLE	IF	CITATIONS
1	Redefining the invertebrate RNA virosphere. <i>Nature</i> , 2016, 540, 539-543.	27.8	1,328
2	The evolutionary history of vertebrate RNA viruses. <i>Nature</i> , 2018, 556, 197-202.	27.8	596
3	Identification of Genetically Intact HIV-1 Proviruses in Specific CD4 + T Cells from Effectively Treated Participants. <i>Cell Reports</i> , 2017, 21, 813-822.	6.4	304
4	Revealing COVID-19 transmission in Australia by SARS-CoV-2 genome sequencing and agent-based modeling. <i>Nature Medicine</i> , 2020, 26, 1398-1404.	30.7	283
5	Rapid Evolution of Pandemic Noroviruses of the GII.4 Lineage. <i>PLoS Pathogens</i> , 2010, 6, e1000831.	4.7	252
6	Recombination within the Pandemic Norovirus GII.4 Lineage. <i>Journal of Virology</i> , 2013, 87, 6270-6282.	3.4	239
7	Analytical validity of nanopore sequencing for rapid SARS-CoV-2 genome analysis. <i>Nature Communications</i> , 2020, 11, 6272.	12.8	183
8	High-Resolution Metatranscriptomics Reveals the Ecological Dynamics of Mosquito-Associated RNA Viruses in Western Australia. <i>Journal of Virology</i> , 2017, 91, .	3.4	149
9	Proposal for a unified classification system and nomenclature of lagoviruses. <i>Journal of General Virology</i> , 2017, 98, 1658-1666.	2.9	148
10	Off-season RSV epidemics in Australia after easing of COVID-19 restrictions. <i>Nature Communications</i> , 2022, 13, .	12.8	135
11	An emergent clade of SARS-CoV-2 linked to returned travellers from Iran. <i>Virus Evolution</i> , 2020, 6, veaa027.	4.9	119
12	Extensive Diversity of RNA Viruses in Australian Ticks. <i>Journal of Virology</i> , 2019, 93, .	3.4	116
13	The emergence and evolution of the novel epidemic norovirus GII.4 variant Sydney 2012. <i>Virology</i> , 2014, 450-451, 106-113.	2.4	111
14	Contribution of Intra- and Interhost Dynamics to Norovirus Evolution. <i>Journal of Virology</i> , 2012, 86, 3219-3229.	3.4	109
15	Emergence and Adaptation of a Novel Highly Pathogenic H7N9 Influenza Virus in Birds and Humans from a 2013 Human-Infecting Low-Pathogenic Ancestor. <i>Journal of Virology</i> , 2018, 92, .	3.4	99
16	Norovirus GII.4 variant 2006b caused epidemics of acute gastroenteritis in Australia during 2007 and 2008. <i>Journal of Clinical Virology</i> , 2010, 49, 265-271.	3.1	77
17	Virus-virus interactions and host ecology are associated with RNA virome structure in wild birds. <i>Molecular Ecology</i> , 2018, 27, 5263-5278.	3.9	77
18	Meta-transcriptomics reveals a diverse antibiotic resistance gene pool in avian microbiomes. <i>BMC Biology</i> , 2019, 17, 31.	3.8	76

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19	A Divergent Hepatitis D-Like Agent in Birds. <i>Viruses</i> , 2018, 10, 720.	3.3	69
20	The paradox of HBV evolution as revealed from a 16th century mummy. <i>PLoS Pathogens</i> , 2018, 14, e1006750.	4.7	66
21	Meta-Transcriptomic Comparison of the RNA Viromes of the Mosquito Vectors <i>Culex pipiens</i> and <i>Culex torrentium</i> in Northern Europe. <i>Viruses</i> , 2019, 11, 1033.	3.3	64
22	Novel hepatitis D-like agents in vertebrates and invertebrates. <i>Virus Evolution</i> , 2019, 5, vez021.	4.9	63
23	No detectable effect of <i>Wolbachia w</i> Mel on the prevalence and abundance of the RNA virome of <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181165.	2.6	53
24	Novel RNA viruses associated with <i>Plasmodium vivax</i> in human malaria and <i>Leucocytozoon</i> parasites in avian disease. <i>PLoS Pathogens</i> , 2019, 15, e1008216.	4.7	50
25	<i>Francisella tularensis</i> ssp. <i>holarctica</i> in Ringtail Possums, Australia. <i>Emerging Infectious Diseases</i> , 2017, 23, 1198-1201.	4.3	49
26	Virological Sampling of Inaccessible Wildlife with Drones. <i>Viruses</i> , 2018, 10, 300.	3.3	49
27	Identification of SARS-CoV-2 Nucleocapsid and Spike T-Cell Epitopes for Assessing T-Cell Immunity. <i>Journal of Virology</i> , 2021, 95, .	3.4	48
28	Adaptive evolution of bat dipeptidyl peptidase 4 (dpp4): implications for the origin and emergence of Middle East respiratory syndrome coronavirus. <i>Virology Journal</i> , 2013, 10, 304.	3.4	47
29	Interpret with caution: An evaluation of the commercial AusDiagnostics versus in-house developed assays for the detection of SARS-CoV-2 virus. <i>Journal of Clinical Virology</i> , 2020, 127, 104374.	3.1	43
30	Nonnucleoside Inhibitors of Norovirus RNA Polymerase: Scaffolds for Rational Drug Design. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3115-3123.	3.2	41
31	Emerging recombinant noroviruses identified by clinical and waste water screening. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-14.	6.5	41
32	Benign Rabbit Caliciviruses Exhibit Evolutionary Dynamics Similar to Those of Their Virulent Relatives. <i>Journal of Virology</i> , 2016, 90, 9317-9329.	3.4	36
33	Comparative Phylodynamics of Rabbit Hemorrhagic Disease Virus in Australia and New Zealand. <i>Journal of Virology</i> , 2015, 89, 9548-9558.	3.4	32
34	High levels of genetically intact HIV in HLA-DR+ memory T cells indicates their value for reservoir studies. <i>Aids</i> , 2020, 34, 659-668.	2.2	32
35	A Fluorescence-Based High-Throughput Screen to Identify Small Compound Inhibitors of the Genotype 3a Hepatitis C Virus RNA Polymerase. <i>Journal of Biomolecular Screening</i> , 2013, 18, 1027-1034.	2.6	28
36	Evolution of Human Respiratory Syncytial Virus (RSV) over Multiple Seasons in New South Wales, Australia. <i>Viruses</i> , 2018, 10, 476.	3.3	28

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37	A Multi-Site Study of Norovirus Molecular Epidemiology in Australia and New Zealand, 2013-2014. <i>PLoS ONE</i> , 2016, 11, e0145254.	2.5	27
38	Identification of diverse arthropod associated viruses in native Australian fleas. <i>Virology</i> , 2019, 535, 189-199.	2.4	24
39	Norovirus RNA-Dependent RNA Polymerase Is Phosphorylated by an Important Survival Kinase, Akt. <i>Journal of Virology</i> , 2011, 85, 10894-10898.	3.4	22
40	Genomic and phenotypic characterization of myxoma virus from Great Britain reveals multiple evolutionary pathways distinct from those in Australia. <i>PLoS Pathogens</i> , 2017, 13, e1006252.	4.7	22
41	Persistent infections in immunocompromised hosts are rarely sources of new pathogen variants. <i>Virus Evolution</i> , 2017, 3, vex018.	4.9	21
42	Novel hepac- and pegi-like viruses in native Australian wildlife and non-human primates. <i>Virus Evolution</i> , 2020, 6, veaa064.	4.9	21
43	Opportunistic sampling of wild native and invasive birds reveals a rich diversity of adenoviruses in Australia. <i>Virus Evolution</i> , 2020, 6, veaa024.	4.9	21
44	Metatranscriptomic Analysis of Virus Diversity in Urban Wild Birds with Paretic Disease. <i>Journal of Virology</i> , 2020, 94, .	3.4	21
45	Metagenomic Identification of Viral Sequences in Laboratory Reagents. <i>Viruses</i> , 2021, 13, 2122.	3.3	21
46	Metatranscriptomics as a tool to identify fungal species and subspecies in mixed communities – a proof of concept under laboratory conditions. <i>IMA Fungus</i> , 2019, 10, 12.	3.8	20
47	Molecular epidemiology of norovirus in Singapore, 2004-2011. <i>Journal of Medical Virology</i> , 2013, 85, 1842-1851.	5.0	19
48	Cross-validation to select Bayesian hierarchical models in phylogenetics. <i>BMC Evolutionary Biology</i> , 2016, 16, 115.	3.2	19
49	A Divergent Articulavirus in an Australian Gecko Identified Using Meta-Transcriptomics and Protein Structure Comparisons. <i>Viruses</i> , 2020, 12, 613.	3.3	19
50	Metagenomic discovery and co-infection of diverse wobbly possum disease viruses and a novel hepacivirus in Australian brushtail possums. <i>One Health Outlook</i> , 2019, 1, 5.	3.4	18
51	Plasma-Derived HIV-1 Virions Contain Considerable Levels of Defective Genomes. <i>Journal of Virology</i> , 2022, 96, jvi0201121.	3.4	18
52	Resolving the Origin of Rabbit Hemorrhagic Disease Virus: Insights from an Investigation of the Viral Stocks Released in Australia. <i>Journal of Virology</i> , 2015, 89, 12217-12220.	3.4	17
53	Punctuated Evolution of Myxoma Virus: Rapid and Disjunct Evolution of a Recent Viral Lineage in Australia. <i>Journal of Virology</i> , 2019, 93, .	3.4	17
54	Genetic diversity of SARS-CoV-2 and clinical, epidemiological characteristics of COVID-19 patients in Hanoi, Vietnam. <i>PLoS ONE</i> , 2020, 15, e0242537.	2.5	17

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55	Diversity and Evolution of Novel Invertebrate DNA Viruses Revealed by Meta-Transcriptomics. <i>Viruses</i> , 2019, 11, 1092.	3.3	16
56	Meta-Transcriptomic Identification of Divergent Amnoonviridae in Fish. <i>Viruses</i> , 2020, 12, 1254.	3.3	16
57	Emergent multisystemic <i>Enterococcus</i> infection threatens endangered Christmas Island reptile populations. <i>PLoS ONE</i> , 2017, 12, e0181240.	2.5	16
58	Extensive characterization of HIV-1 reservoirs reveals links to plasma viremia before and during analytical treatment interruption. <i>Cell Reports</i> , 2022, 39, 110739.	6.4	15
59	Complete Genome of the Human Norovirus GIV.1 Strain Lake Macquarie Virus. <i>Journal of Virology</i> , 2012, 86, 10251-10252.	3.4	14
60	A complex mosaic of enteroviruses shapes community-acquired hand, foot and mouth disease transmission and evolution within a single hospital. <i>Virus Evolution</i> , 2018, 4, vey020.	4.9	14
61	A survey of a mixed species aviary provides new insights into the pathogenicity, diversity, evolution, host range, and distribution of psittacine and passerine adenoviruses. <i>Avian Pathology</i> , 2019, 48, 437-443.	2.0	14
62	Meta-Transcriptomic Discovery of a Divergent Circovirus and a Chaphamaparvovirus in Captive Reptiles with Proliferative Respiratory Syndrome. <i>Viruses</i> , 2020, 12, 1073.	3.3	14
63	Meta-transcriptomic identification of <i>Trypanosoma</i> spp. in native wildlife species from Australia. <i>Parasites and Vectors</i> , 2020, 13, 447.	2.5	14
64	Amplification of Near Full-length HIV-1 Proviruses for Next-Generation Sequencing. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	13
65	Viral Discovery in the Invasive Australian Cane Toad (<i>Rhinella marina</i>) Using Metatranscriptomic and Genomic Approaches. <i>Journal of Virology</i> , 2018, 92, .	3.4	13
66	Human pegivirus in brain tissue of a patient with encephalitis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2020, 96, 114898.	1.8	11
67	The spatial-temporal dynamics of respiratory syncytial virus infections across the eastâ€“west coasts of Australia during 2016â€“17. <i>Virus Evolution</i> , 2021, 7, veab068.	4.9	11
68	Potent monoclonal antibodyâ€“mediated neutralization of a divergent Hendra virus variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
69	New insights into Sauropsid Papillomaviridae evolution and epizootiology: discovery of two novel papillomaviruses in native and invasive Island geckos. <i>Virus Evolution</i> , 2019, 5, vez051.	4.9	10
70	An Amplicon-Based Approach for the Whole-Genome Sequencing of Human Metapneumovirus. <i>Viruses</i> , 2021, 13, 499.	3.3	10
71	Reverse Engineering Field Isolates of Myxoma Virus Demonstrates that Some Gene Disruptions or Losses of Function Do Not Explain Virulence Changes Observed in the Field. <i>Journal of Virology</i> , 2017, 91, .	3.4	9
72	Cellular Activation, Differentiation, and Proliferation Influence the Dynamics of Genetically Intact Proviruses Over Time. <i>Journal of Infectious Diseases</i> , 2022, 225, 1168-1178.	4.0	9

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73	Longitudinal Sequence and Functional Evolution within Glycoprotein E2 in Hepatitis C Virus Genotype 3a Infection. PLoS ONE, 2015, 10, e0126397.	2.5	6
74	The transmission dynamics and diversity of human metapneumovirus in Peru. Influenza and Other Respiratory Viruses, 2018, 12, 508-513.	3.4	6
75	Genomic Insights Into the Pathogenicity of a Novel Biofilm-Forming Enterococcus sp. Bacteria (Enterococcus lacertideformus) Identified in Reptiles. Frontiers in Microbiology, 2021, 12, 635208.	3.5	6
76	Hepatitis C Virus Genotype 8 Infectionâ€™Successful Treatment With Sofosbuvir/Velpatasvir. Journal of Infectious Diseases, 2019, 220, 720-722.	4.0	2
77	Genome sequencing and its use in public health responses to COVID-19. Microbiology Australia, 2021, 42, 44.	0.4	1
78	Response. Journal of Clinical Virology, 2020, 130, 104484.	3.1	0
79	Title is missing!. , 2019, 15, e1008216.		0
80	Title is missing!. , 2019, 15, e1008216.		0
81	Title is missing!. , 2019, 15, e1008216.		0