Kevin J Olival

List of Publications by Citations

146 papers	18,962 citations	56 h-index	137 g-index
164 ext. papers	23,401 ext. citations	9.4 avg, IF	6.7 L-index

#	Paper	IF	Citations
146	Global trends in emerging infectious diseases. *Nature*, **2008**, 451, 990-3	50.4	4246
145	Bats are natural reservoirs of SARS-like coronaviruses. *Science*, **2005**, 310, 676-9	33.3	1660
144	Isolation and characterization of a bat SARS-like coronavirus that uses the ACE2 receptor. *Nature*, **2013**, 503, 535-8	50.4	1085
143	Unhealthy landscapes: Policy recommendations on land use change and infectious disease emergence. *Environmental Health Perspectives*, **2004**, 112, 1092-8	8.4	593
142	Discovery of a rich gene pool of bat SARS-related coronaviruses provides new insights into the origin of SARS coronavirus. *PLoS Pathogens*, **2017**, 13, e1006698	7.6	535
141	Prediction and prevention of the next pandemic zoonosis. *Lancet, The*, **2012**, 380, 1956-65	40	528
140	Host and viral traits predict zoonotic spillover from mammals. *Nature*, **2017**, 546, 646-650	50.4	503
139	Cross-species virus transmission and the emergence of new epidemic diseases. *Microbiology and Molecular Biology Reviews*, **2008**, 72, 457-70	13.2	492
138	Middle East respiratory syndrome coronavirus in bats, Saudi Arabia. *Emerging Infectious Diseases*, **2013**, 19, 1819-23	10.2	455
137	Fatal swine acute diarrhoea syndrome caused by an HKU2-related coronavirus of bat origin. *Nature*, **2018**, 556, 255-258	50.4	369
136	Bushmeat hunting, deforestation, and prediction of zoonoses emergence. *Emerging Infectious Diseases*, **2005**, 11, 1822-7	10.2	368
135	Global hotspots and correlates of emerging zoonotic diseases. *Nature Communications*, **2017**, 8, 1124	17.4	345
134	Middle East respiratory syndrome coronavirus infection in dromedary camels in Saudi Arabia. *MBio*, **2014**, 5, e00884-14	7.8	296
133	Pteropid bats are confirmed as the reservoir hosts of henipaviruses: a comprehensive experimental study of virus transmission. *American Journal of Tropical Medicine and Hygiene*, **2011**, 85, 946-51	3.2	256
132	A strategy to estimate unknown viral diversity in mammals. *MBio*, **2013**, 4, e00598-13	7.8	243
131	Urban habituation, ecological connectivity and epidemic dampening: the emergence of Hendra virus from flying foxes (Pteropus spp.). *Proceedings of the Royal Society B: Biological Sciences*, **2011**, 278, 3703-12	4.4	227
130	Causal inference in disease ecology: investigating ecological drivers of disease emergence. *Frontiers in Ecology and the Environment*, **2008**, 6, 420-429	5.5	217

129	Ecology and economics for pandemic prevention. *Science*, **2020**, 369, 379-381	33.3	202
128	Bats are a major natural reservoir for hepaciviruses and pegiviruses. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 8194-9	11.5	201
127	The Global Virome Project. *Science*, **2018**, 359, 872-874	33.3	199
126	Global patterns in coronavirus diversity. *Virus Evolution*, **2017**, 3, vex012	3.7	199
125	Filoviruses in bats: current knowledge and future directions. *Viruses*, **2014**, 6, 1759-88	6.2	195
124	Reproduction and nutritional stress are risk factors for Hendra virus infection in little red flying foxes (Pteropus scapulatus). *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 861-9	4.4	195
123	Agricultural intensification, priming for persistence and the emergence of Nipah virus: a lethal bat-borne zoonosis. *Journal of the Royal Society Interface*, **2012**, 9, 89-101	4.1	194
122	One Health, emerging infectious diseases and wildlife: two decades of progress?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	193
121	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. *MBio*, **2014**, 5,	7.8	192
120	Ecology. Reducing the risks of the wildlife trade. *Science*, **2009**, 324, 594-5	33.3	188
119	Spillover and pandemic properties of zoonotic viruses with high host plasticity. *Scientific Reports*, **2015**, 5, 14830	4.9	168
118	Serological Evidence of Bat SARS-Related Coronavirus Infection in Humans, China. *Virologica Sinica*, **2018**, 33, 104-107	6.4	150
117	Origin and cross-species transmission of bat coronaviruses in China. *Nature Communications*, **2020**, 11, 4235	17.4	144
116	Nipah virus: impact, origins, and causes of emergence. *Current Infectious Disease Reports*, **2006**, 8, 59-65	3.9	143
115	Bat-borne virus diversity, spillover and emergence. *Nature Reviews Microbiology*, **2020**, 18, 461-471	22.2	133
114	Pteropus vampyrus, a hunted migratory species with a multinational home-range and a need for regional management. *Journal of Applied Ecology*, **2009**, 46, 991-1002	5.8	124
113	Henipavirus infection in fruit bats (Pteropus giganteus), India. *Emerging Infectious Diseases*, **2008**, 14, 1309-11	10.2	111
112	Interdisciplinary approaches to understanding disease emergence: the past, present, and future drivers of Nipah virus emergence. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110 Suppl 1, 3681-8	11.5	104

111	Evidence for henipavirus spillover into human populations in Africa. *Nature Communications*, **2014**, 5, 5342	17.4	102
110	Ebola virus antibodies in fruit bats, bangladesh. *Emerging Infectious Diseases*, **2013**, 19, 270-3	10.2	100
109	Evolutionary relationships between bat coronaviruses and their hosts. *Emerging Infectious Diseases*, **2007**, 13, 1526-32	10.2	95
108	Human ecology in pathogenic landscapes: two hypotheses on how land use change drives viral emergence. *Current Opinion in Virology*, **2013**, 3, 79-83	7.5	94
107	Characterization of Nipah virus from naturally infected Pteropus vampyrus bats, Malaysia. *Emerging Infectious Diseases*, **2010**, 16, 1990-3	10.2	92
106	Henipavirus susceptibility to environmental variables. *Virus Research*, **2008**, 132, 140-4	6.4	91
105	Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. *PLoS Pathogens*, **2020**, 16, e1008758	7.6	83
104	Emerging viruses: coming in on a wrinkled wing and a prayer. *Clinical Infectious Diseases*, **2007**, 44, 711-7	11.6	79
103	Incubus. *EcoHealth*, **2017**, 14, 189-192	3.1	78
102	Global distribution and genetic diversity of Bartonella in bat flies (Hippoboscoidea, Streblidae, Nycteribiidae). *Infection, Genetics and Evolution*, **2012**, 12, 1717-23	4.5	71
101	The ecology of emerging neurotropic viruses. *Journal of NeuroVirology*, **2005**, 11, 441-6	3.9	69
100	Comparative analysis of rodent and small mammal viromes to better understand the wildlife origin of emerging infectious diseases. *Microbiome*, **2018**, 6, 178	16.6	69
99	Transmission of Nipah Virus - 14 Years of Investigations in Bangladesh. *New England Journal of Medicine*, **2019**, 380, 1804-1814	59.2	63
98	Identification of GBV-D, a novel GB-like flavivirus from old world frugivorous bats (Pteropus giganteus) in Bangladesh. *PLoS Pathogens*, **2010**, 6, e1000972	7.6	62
97	Correlates of viral richness in bats (order Chiroptera). *EcoHealth*, **2009**, 6, 522-39	3.1	62
96	Human-animal interactions and bat coronavirus spillover potential among rural residents in Southern China. *Biosafety and Health*, **2019**, 1, 84-90	4.7	59
95	Nipah Virus Transmission from Bats to Humans Associated with Drinking Traditional Liquor Made from Date Palm Sap, Bangladesh, 2011-2014. *Emerging Infectious Diseases*, **2016**, 22, 664-70	10.2	58
94	Targeting Transmission Pathways for Emerging Zoonotic Disease Surveillance and Control. *Vector-Borne and Zoonotic Diseases*, **2015**, 15, 432-7	2.4	57

93	Contrasting patterns in mammal-bacteria coevolution: bartonella and leptospira in bats and rodents. *PLoS Neglected Tropical Diseases*, **2014**, 8, e2738	4.8	56
92	Group C betacoronavirus in bat guano fertilizer, Thailand. *Emerging Infectious Diseases*, **2013**, 19, 1349-51	10.2	56
91	Quantitative Risk Assessment of the Pathways by Which West Nile Virus Could Reach Hawaii. *EcoHealth*, **2004**, 1, 205-209	3.1	55
90	Diversity of coronavirus in bats from Eastern Thailand. *Virology Journal*, **2015**, 12, 57	6.1	54
89	Molecular evidence of Ebola Reston virus infection in Philippine bats. *Virology Journal*, **2015**, 12, 107	6.1	52
88	Non-random patterns in viral diversity. *Nature Communications*, **2015**, 6, 8147	17.4	47
87	Pandemic COVID-19 Joins History's Pandemic Legion. *MBio*, **2020**, 11,	7.8	47
86	Genetically Diverse Filoviruses in Rousettus and Eonycteris spp. Bats, China, 2009 and 2015. *Emerging Infectious Diseases*, **2017**, 23, 482-486	10.2	47
85	Ranking the risk of animal-to-human spillover for newly discovered viruses. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	46
84	Predicting the global mammalian viral sharing network using phylogeography. *Nature Communications*, **2020**, 11, 2260	17.4	45
83	The role of landscape composition and configuration on Pteropus giganteus roosting ecology and Nipah virus spillover risk in Bangladesh. *American Journal of Tropical Medicine and Hygiene*, **2014**, 90, 247-55	3.2	45
82	Nipah virus dynamics in bats and implications for spillover to humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29190-29201	11.5	44
81	Roosting behaviour and habitat selection of reveals potential links to Nipah virus epidemiology. *Journal of Applied Ecology*, **2014**, 51, 376-387	5.8	44
80	Does the impact of biodiversity differ between emerging and endemic pathogens? The need to separate the concepts of hazard and risk. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	43
79	Convergence of Humans, Bats, Trees, and Culture in Nipah Virus Transmission, Bangladesh. *Emerging Infectious Diseases*, **2017**, 23, 1446-1453	10.2	42
78	Quantifying Global Drivers of Zoonotic Bat Viruses: A Process-Based Perspective. *American Naturalist*, **2016**, 187, E53-64	3.7	41
77	Parasite and viral species richness of Southeast Asian bats: Fragmentation of area distribution matters. *International Journal for Parasitology: Parasites and Wildlife*, **2014**, 3, 161-70	2.6	41
76	Serological evidence of henipavirus exposure in cattle, goats and pigs in Bangladesh. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3302	4.8	38

75	Risk Factors for Nipah virus infection among pteropid bats, Peninsular Malaysia. *Emerging Infectious Diseases*, **2013**, 19, 51-60	10.2	38
74	The emergence of Nipah and Hendra virus: pathogen dynamics across a wildlife-livestock-human continuum **2006**, 186-201		38
73	No Evidence of Coronaviruses or Other Potentially Zoonotic Viruses in Sunda pangolins (Manis javanica) Entering the Wildlife Trade via Malaysia. *EcoHealth*, **2020**, 17, 406-418	3.1	37
72	The Conflict Between Pteropodid Bats and Fruit Growers: Species, Legislation and Mitigation **2016**, 377-426		37
71	Cross-sectional surveillance of Middle East respiratory syndrome coronavirus (MERS-CoV) in dromedary camels and other mammals in Egypt, August 2015 to January 2016. *Eurosurveillance*, **2017**, 22,	19.8	35
70	Climate change increases cross-species viral transmission risk.. *Nature*, **2022**,	50.4	35
69	Targeting surveillance for zoonotic virus discovery. *Emerging Infectious Diseases*, **2013**, 19, 743-7	10.2	33
68	Emerging henipaviruses and flying foxes - Conservation and management perspectives. *Biological Conservation*, **2006**, 131, 211-220	6.2	33
67	Optimizing Viral Discovery in Bats. *PLoS ONE*, **2016**, 11, e0149237	3.7	32
66	Duration of Maternal Antibodies against Canine Distemper Virus and Hendra Virus in Pteropid Bats. *PLoS ONE*, **2013**, 8, e67584	3.7	31
65	Beyond Ebola: lessons to mitigate future pandemics. *The Lancet Global Health*, **2015**, 3, e354-5	13.6	30
64	Investigating Rare Risk Factors for Nipah Virus in Bangladesh: 2001-2012. *EcoHealth*, **2016**, 13, 720-728	3.1	29
63	Nycteria parasites of Afrotropical insectivorous bats. *International Journal for Parasitology*, **2015**, 45, 375-84	4.3	28
62	Lack of population genetic structure and host specificity in the bat fly, Cyclopodia horsfieldi, across species of Pteropus bats in Southeast Asia. *Parasites and Vectors*, **2013**, 6, 231	4	28
61	Detection of Hepatocystis sp. in southeast Asian flying foxes (Pteropodidae) using microscopic and molecular methods. *Journal of Parasitology*, **2007**, 93, 1538-40	0.9	27
60	Building a global atlas of zoonotic viruses. *Bulletin of the World Health Organization*, **2018**, 96, 292-294	8.2	26
59	A Comparative Analysis of Viral Richness and Viral Sharing in Cave-Roosting Bats. *Diversity*, **2017**, 9, 35	2.5	25
58	Viral Diversity, Prey Preference, and Bartonella Prevalence in Desmodus rotundus in Guatemala. *EcoHealth*, **2016**, 13, 761-774	3.1	24

57	Climate Change and Health: Transcending Silos to Find Solutions. *Annals of Global Health*, **2015**, 81, 445-58	3.3	23
56	To Cull, or Not To Cull, Bat is the Question. *EcoHealth*, **2016**, 13, 6-8	3.1	23
55	Bartonella spp. in a Puerto Rican bat community. *Journal of Wildlife Diseases*, **2015**, 51, 274-8	1.3	23
54	Satellite telemetry and long-range bat movements. *PLoS ONE*, **2011**, 6, e14696	3.7	23
53	Synergistic China-US Ecological Research is Essential for Global Emerging Infectious Disease Preparedness. *EcoHealth*, **2020**, 17, 160-173	3.1	22
52	Climate change will drive novel cross-species viral transmission		22
51	Isolation and Full-Genome Characterization of Nipah Viruses from Bats, Bangladesh. *Emerging Infectious Diseases*, **2019**, 25, 166-170	10.2	21
50	Make science evolve into a One Health approach to improve health and security: a white paper. *One Health Outlook*, **2020**, 2, 6	5	21
49	Taxonomic patterns in the zoonotic potential of mammalian viruses. *PeerJ*, **2018**, 6, e5979	3.1	20
48	Infectious Disease Threats: A Rebound To Resilience. *Health Affairs*, **2021**, 40, 204-211	7	20
47	A qualitative study of zoonotic risk factors among rural communities in southern China. *International Health*, **2020**, 12, 77-85	2.4	18
46	Microbicidal actives with virucidal efficacy against SARS-CoV-2 and other beta- and alpha-coronaviruses and implications for future emerging coronaviruses and other enveloped viruses. *Scientific Reports*, **2021**, 11, 5626	4.9	17
45	Quantifying trends in disease impact to produce a consistent and reproducible definition of an emerging infectious disease. *PLoS ONE*, **2013**, 8, e69951	3.7	16
44	Origin and cross-species transmission of bat coronaviruses in China **2020**,		16
43	Bat Research Networks and Viral Surveillance: Gaps and Opportunities in Western Asia. *Viruses*, **2019**, 11,	6.2	15
42	De-urbanization and Zoonotic Disease Risk. *EcoHealth*, **2018**, 15, 707-712	3.1	15
41	Characterization of the Spatial and Temporal Distribution of Nipah Virus Spillover Events in Bangladesh, 2007-2013. *Journal of Infectious Diseases*, **2018**, 217, 1390-1394	7	14
40	Horizontal transfers and gene losses in the phospholipid pathway of bartonella reveal clues about early ecological niches. *Genome Biology and Evolution*, **2014**, 6, 2156-69	3.9	14

39	The costs and benefits of primary prevention of zoonotic pandemics.. *Science Advances*, **2022**, 8, eabl4183	14.3	14
38	Two Tickets to Paradise: Multiple Dispersal Events in the Founding of Hoary Bat Populations in Hawai'i. *PLoS ONE*, **2015**, 10, e0127912	3.7	14
37	A viral metagenomic survey identifies known and novel mammalian viruses in bats from Saudi Arabia. *PLoS ONE*, **2019**, 14, e0214227	3.7	13
36	Was the COVID-19 pandemic avoidable? A call for a "solution-oriented" approach in pathogen evolutionary ecology to prevent future outbreaks. *Ecology Letters*, **2020**, 23, 1557-1560	10	13
35	Determinants of within bat hibernacula: implications for surveillance and management of white-nose syndrome. *Journal of Applied Ecology*, **2018**, 55, 820-829	5.8	12
34	Middle East Respiratory Syndrome Coronavirus Antibodies in Dromedary Camels, Bangladesh, 2015. *Emerging Infectious Diseases*, **2018**, 24, 926-928	10.2	12
33	Are Bats Really Special as Viral Reservoirs? What We Know and Need to Know **2015**, 281-294		12
32	Contributions of Ex Situ Propagation and Molecular Genetics to Conservation of Hawaiian Tree Snails **2004**, 16-34		12
31	Population genetics of fruit bat reservoir informs the dynamics, distribution and diversity of Nipah virus. *Molecular Ecology*, **2020**, 29, 970-985	5.7	12
30	Decoding the RNA viromes in rodent lungs provides new insight into the origin and evolutionary patterns of rodent-borne pathogens in Mainland Southeast Asia. *Microbiome*, **2021**, 9, 18	16.6	12
29	Wildlife hosts for OIE-Listed diseases: considerations regarding global wildlife trade and host-pathogen relationships. *Veterinary Medicine and Science*, **2017**, 3, 71-81	2.1	11
28	Using healthcare-seeking behaviour to estimate the number of Nipah outbreaks missed by hospital-based surveillance in Bangladesh. *International Journal of Epidemiology*, **2019**, 48, 1219-1227	7.8	11
27	Foraging behaviour and landscape utilisation by the endangered golden-crowned flying fox (Acerodon jubatus), the Philippines. *PLoS ONE*, **2013**, 8, e79665	3.7	11
26	Assessing the risks posed by SARS-CoV-2 in and via North American bats Decision framing and rapid risk assessment. *US Geological Survey Open-File Report*,		9
25	Characterizing and quantifying the wildlife trade network in Sulawesi, Indonesia. *Global Ecology and Conservation*, **2020**, 21, e00887	2.8	9
24	Comparison of intravenous medetomidine and medetomidine/ketamine for immobilization of free-ranging variable flying foxes (Pteropus hypomelanus). *PLoS ONE*, **2011**, 6, e25361	3.7	8
23	Increased Morbidity and Mortality in Domestic Animals Eating Dropped and Bitten Fruit in Bangladeshi Villages: Implications for Zoonotic Disease Transmission. *EcoHealth*, **2016**, 13, 39-48	3.1	7
22	Evolutionary and ecological correlates of population genetic structure in bats267-316		7

21	Science, not speculation, is essential to determine how SARS-CoV-2 reached humans. *Lancet, The*, **2021**, 398, 209-211	40	7
20	First Complete Genome Sequence of Human Coronavirus HKU1 from a Nonill Bat Guano Miner in Thailand. *Microbiology Resource Announcements*, **2019**, 8,	1.3	6
19	Epidemiology and Molecular Characterization of Rotavirus A in Fruit Bats in Bangladesh. *EcoHealth*, **2020**, 17, 398-405	3.1	6
18	A Novel Potentially Recombinant Rodent Coronavirus with a Polybasic Cleavage Site in the Spike Protein. *Journal of Virology*, **2021**, 95, e0117321	6.6	6
17	Emerging Viral Zoonoses from Wildlife Associated with Animal-Based Food Systems: Risks and Opportunities **2016**, 31-57		5
16	Surveillance for Ebola Virus in Wildlife, Thailand. *Emerging Infectious Diseases*, **2015**, 21, 2271-3	10.2	5
15	Molecular identification of host feeding patterns of snow-melt mosquitoes (Diptera: Culicidae): potential implications for the transmission ecology of Jamestown Canyon virus. *Journal of Medical Entomology*, **2010**, 47, 226-9	2.2	5
14	A strategy to assess spillover risk of bat SARS-related coronaviruses in Southeast Asia **2021**,		5
13	Predicting the global mammalian viral sharing network using phylogeography		4
12	The future of zoonotic risk prediction. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20200358	5.8	4
11	Incorporating Health Outcomes into Land-Use Planning. *EcoHealth*, **2019**, 16, 627-637	3.1	3
10	Linking the historical roots of environmental conservation with human and wildlife health. *EcoHealth*, **2013**, 10, 224-7	3.1	3
9	Zoonotic Risk Technology Enters the Viral Emergence Toolkit		2
8	Genetic diversity and relationships among Lyle's flying fox colonies in Thailand. *Agriculture and Natural Resources*, **2018**, 52, 607-611	1.3	2
7	Two decades of one health surveillance of Nipah virus in Thailand. *One Health Outlook*, **2021**, 3, 12	5	2
6	Detection of influenza virus in rectal swabs of patients admitted in hospital for febrile illnesses in Thailand. *SAGE Open Medicine*, **2021**, 9, 2050312121989631	2.4	1
5	Lessons from COVID-19 to Help Prevent Future Pandemics. *China CDC Weekly*, **2021**, 3, 132-133	4	1
4	Wild animal and zoonotic disease risk management and regulation in China: Examining gaps and One Health opportunities in scope, mandates, and monitoring systems. *One Health*, **2021**, 13, 100301	7.6	1

3	Genetically Diverse Filoviruses in Rousettus and Eonycteris spp. Bats, China, 2009 and 2015. *Emerging Infectious Diseases*, **2017**, 23, 482-486	10.2	0
2	Seasonality of Date Palm Sap Feeding Behavior by Bats in Bangladesh. *EcoHealth*, **2021**, 18, 359-371	3.1	
1	Behavioral-biological surveillance of emerging infectious diseases among a dynamic cohort in Thailand.. *BMC Infectious Diseases*, **2022**, 22, 472	4	