

Kevin J Olival

List of Publications by Year in Descending Order

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Version: 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The costs and benefits of primary prevention of zoonotic pandemics.. <i>Science Advances</i> , 2022 , 8, eabl41834	14.3	14
145	Climate change increases cross-species viral transmission risk.. <i>Nature</i> , 2022 ,	50.4	35
144	Behavioral-biological surveillance of emerging infectious diseases among a dynamic cohort in Thailand.. <i>BMC Infectious Diseases</i> , 2022 , 22, 472	4	
143	Seasonality of Date Palm Sap Feeding Behavior by Bats in Bangladesh. <i>EcoHealth</i> , 2021 , 18, 359-371	3.1	
142	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. <i>Scientific Reports</i> , 2021 , 11, 5626	4.9	17
141	Ranking the risk of animal-to-human spillover for newly discovered viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	46
140	Detection of influenza virus in rectal swabs of patients admitted in hospital for febrile illnesses in Thailand. <i>SAGE Open Medicine</i> , 2021 , 9, 2050312121989631	2.4	1
139	Lessons from COVID-19 to Help Prevent Future Pandemics. <i>China CDC Weekly</i> , 2021 , 3, 132-133	4	1
138	Infectious Disease Threats: A Rebound To Resilience. <i>Health Affairs</i> , 2021 , 40, 204-211	7	20
137	Science, not speculation, is essential to determine how SARS-CoV-2 reached humans. <i>Lancet, The</i> , 2021 , 398, 209-211	40	7
136	Two decades of one health surveillance of Nipah virus in Thailand. <i>One Health Outlook</i> , 2021 , 3, 12	5	2
135	A Novel Potentially Recombinant Rodent Coronavirus with a Polybasic Cleavage Site in the Spike Protein. <i>Journal of Virology</i> , 2021 , 95, e0117321	6.6	6
134	A strategy to assess spillover risk of bat SARS-related coronaviruses in Southeast Asia 2021 ,		5
133	The future of zoonotic risk prediction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200358	5.8	4
132	Wild animal and zoonotic disease risk management and regulation in China: Examining gaps and One Health opportunities in scope, mandates, and monitoring systems. <i>One Health</i> , 2021 , 13, 100301	7.6	1
131	Decoding the RNA viromes in rodent lungs provides new insight into the origin and evolutionary patterns of rodent-borne pathogens in Mainland Southeast Asia. <i>Microbiome</i> , 2021 , 9, 18	16.6	12
130	No Evidence of Coronaviruses or Other Potentially Zoonotic Viruses in Sunda pangolins (<i>Manis javanica</i>) Entering the Wildlife Trade via Malaysia. <i>EcoHealth</i> , 2020 , 17, 406-418	3.1	37

129	Nipah virus dynamics in bats and implications for spillover to humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29190-29201	11.5	44
128	Predicting the global mammalian viral sharing network using phylogeography. <i>Nature Communications</i> , 2020 , 11, 2260	17.4	45
127	Bat-borne virus diversity, spillover and emergence. <i>Nature Reviews Microbiology</i> , 2020 , 18, 461-471	22.2	133
126	Pandemic COVID-19 Joins History's Pandemic Legion. <i>MBio</i> , 2020 , 11,	7.8	47
125	A qualitative study of zoonotic risk factors among rural communities in southern China. <i>International Health</i> , 2020 , 12, 77-85	2.4	18
124	Synergistic China-US Ecological Research is Essential for Global Emerging Infectious Disease Preparedness. <i>EcoHealth</i> , 2020 , 17, 160-173	3.1	22
123	Origin and cross-species transmission of bat coronaviruses in China 2020 ,		16
122	Population genetics of fruit bat reservoir informs the dynamics, distribution and diversity of Nipah virus. <i>Molecular Ecology</i> , 2020 , 29, 970-985	5.7	12
121	Characterizing and quantifying the wildlife trade network in Sulawesi, Indonesia. <i>Global Ecology and Conservation</i> , 2020 , 21, e00887	2.8	9
120	Ecology and economics for pandemic prevention. <i>Science</i> , 2020 , 369, 379-381	33.3	202
119	Was the COVID-19 pandemic avoidable? A call for a "solution-oriented" approach in pathogen evolutionary ecology to prevent future outbreaks. <i>Ecology Letters</i> , 2020 , 23, 1557-1560	10	13
118	Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. <i>PLoS Pathogens</i> , 2020 , 16, e1008758	7.6	83
117	Epidemiology and Molecular Characterization of Rotavirus A in Fruit Bats in Bangladesh. <i>EcoHealth</i> , 2020 , 17, 398-405	3.1	6
116	Origin and cross-species transmission of bat coronaviruses in China. <i>Nature Communications</i> , 2020 , 11, 4235	17.4	144
115	Make science evolve into a One Health approach to improve health and security: a white paper. <i>One Health Outlook</i> , 2020 , 2, 6	5	21
114	Transmission of Nipah Virus - 14 Years of Investigations in Bangladesh. <i>New England Journal of Medicine</i> , 2019 , 380, 1804-1814	59.2	63
113	Using healthcare-seeking behaviour to estimate the number of Nipah outbreaks missed by hospital-based surveillance in Bangladesh. <i>International Journal of Epidemiology</i> , 2019 , 48, 1219-1227	7.8	11
112	Bat Research Networks and Viral Surveillance: Gaps and Opportunities in Western Asia. <i>Viruses</i> , 2019 , 11,	6.2	15

111	A viral metagenomic survey identifies known and novel mammalian viruses in bats from Saudi Arabia. <i>PLoS ONE</i> , 2019 , 14, e0214227	3.7	13
110	First Complete Genome Sequence of Human Coronavirus HKU1 from a Nonill Bat Guano Miner in Thailand. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	6
109	Incorporating Health Outcomes into Land-Use Planning. <i>EcoHealth</i> , 2019 , 16, 627-637	3.1	3
108	Human-animal interactions and bat coronavirus spillover potential among rural residents in Southern China. <i>Biosafety and Health</i> , 2019 , 1, 84-90	4.7	59
107	Isolation and Full-Genome Characterization of Nipah Viruses from Bats, Bangladesh. <i>Emerging Infectious Diseases</i> , 2019 , 25, 166-170	10.2	21
106	The Global Virome Project. <i>Science</i> , 2018 , 359, 872-874	33.3	199
105	Serological Evidence of Bat SARS-Related Coronavirus Infection in Humans, China. <i>Virologica Sinica</i> , 2018 , 33, 104-107	6.4	150
104	Fatal swine acute diarrhoea syndrome caused by an HKU2-related coronavirus of bat origin. <i>Nature</i> , 2018 , 556, 255-258	50.4	369
103	Determinants of within bat hibernacula: implications for surveillance and management of white-nose syndrome. <i>Journal of Applied Ecology</i> , 2018 , 55, 820-829	5.8	12
102	Characterization of the Spatial and Temporal Distribution of Nipah Virus Spillover Events in Bangladesh, 2007-2013. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1390-1394	7	14
101	De-urbanization and Zoonotic Disease Risk. <i>EcoHealth</i> , 2018 , 15, 707-712	3.1	15
100	Middle East Respiratory Syndrome Coronavirus Antibodies in Dromedary Camels, Bangladesh, 2015. <i>Emerging Infectious Diseases</i> , 2018 , 24, 926-928	10.2	12
99	Building a global atlas of zoonotic viruses. <i>Bulletin of the World Health Organization</i> , 2018 , 96, 292-294	8.2	26
98	Taxonomic patterns in the zoonotic potential of mammalian viruses. <i>PeerJ</i> , 2018 , 6, e5979	3.1	20
97	Genetic diversity and relationships among Lyle's flying fox colonies in Thailand. <i>Agriculture and Natural Resources</i> , 2018 , 52, 607-611	1.3	2
96	Comparative analysis of rodent and small mammal viromes to better understand the wildlife origin of emerging infectious diseases. <i>Microbiome</i> , 2018 , 6, 178	16.6	69
95	Wildlife hosts for OIE-Listed diseases: considerations regarding global wildlife trade and host-pathogen relationships. <i>Veterinary Medicine and Science</i> , 2017 , 3, 71-81	2.1	11
94	Does the impact of biodiversity differ between emerging and endemic pathogens? The need to separate the concepts of hazard and risk. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	43

93	Host and viral traits predict zoonotic spillover from mammals. <i>Nature</i> , 2017 , 546, 646-650	50.4	503
92	One Health, emerging infectious diseases and wildlife: two decades of progress?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	193
91	Global hotspots and correlates of emerging zoonotic diseases. <i>Nature Communications</i> , 2017 , 8, 1124	17.4	345
90	Genetically Diverse Filoviruses in Rousettus and Eonycteris spp. Bats, China, 2009 and 2015. <i>Emerging Infectious Diseases</i> , 2017 , 23, 482-486	10.2	47
89	Convergence of Humans, Bats, Trees, and Culture in Nipah Virus Transmission, Bangladesh. <i>Emerging Infectious Diseases</i> , 2017 , 23, 1446-1453	10.2	42
88	Discovery of a rich gene pool of bat SARS-related coronaviruses provides new insights into the origin of SARS coronavirus. <i>PLoS Pathogens</i> , 2017 , 13, e1006698	7.6	535
87	Incubus. <i>EcoHealth</i> , 2017 , 14, 189-192	3.1	78
86	Global patterns in coronavirus diversity. <i>Virus Evolution</i> , 2017 , 3, vex012	3.7	199
85	A Comparative Analysis of Viral Richness and Viral Sharing in Cave-Roosting Bats. <i>Diversity</i> , 2017 , 9, 35	2.5	25
84	Cross-sectional surveillance of Middle East respiratory syndrome coronavirus (MERS-CoV) in dromedary camels and other mammals in Egypt, August 2015 to January 2016. <i>Eurosurveillance</i> , 2017 , 22,	19.8	35
83	Genetically Diverse Filoviruses in Rousettus and Eonycteris spp. Bats, China, 2009 and 2015. <i>Emerging Infectious Diseases</i> , 2017 , 23, 482-486	10.2	0
82	Quantifying Global Drivers of Zoonotic Bat Viruses: A Process-Based Perspective. <i>American Naturalist</i> , 2016 , 187, E53-64	3.7	41
81	Investigating Rare Risk Factors for Nipah Virus in Bangladesh: 2001-2012. <i>EcoHealth</i> , 2016 , 13, 720-728	3.1	29
80	Increased Morbidity and Mortality in Domestic Animals Eating Dropped and Bitten Fruit in Bangladeshi Villages: Implications for Zoonotic Disease Transmission. <i>EcoHealth</i> , 2016 , 13, 39-48	3.1	7
79	To Cull, or Not To Cull, Bat is the Question. <i>EcoHealth</i> , 2016 , 13, 6-8	3.1	23
78	Emerging Viral Zoonoses from Wildlife Associated with Animal-Based Food Systems: Risks and Opportunities 2016 , 31-57		5
77	The Conflict Between Pteropodid Bats and Fruit Growers: Species, Legislation and Mitigation 2016 , 377-426		37
76	Nipah Virus Transmission from Bats to Humans Associated with Drinking Traditional Liquor Made from Date Palm Sap, Bangladesh, 2011-2014. <i>Emerging Infectious Diseases</i> , 2016 , 22, 664-70	10.2	58

75	Optimizing Viral Discovery in Bats. <i>PLoS ONE</i> , 2016 , 11, e0149237	3.7	32
74	Viral Diversity, Prey Preference, and Bartonella Prevalence in <i>Desmodus rotundus</i> in Guatemala. <i>EcoHealth</i> , 2016 , 13, 761-774	3.1	24
73	Nycteria parasites of Afrotropical insectivorous bats. <i>International Journal for Parasitology</i> , 2015 , 45, 375-84	4.3	28
72	Non-random patterns in viral diversity. <i>Nature Communications</i> , 2015 , 6, 8147	17.4	47
71	Targeting Transmission Pathways for Emerging Zoonotic Disease Surveillance and Control. <i>Vector-Borne and Zoonotic Diseases</i> , 2015 , 15, 432-7	2.4	57
70	Climate Change and Health: Transcending Silos to Find Solutions. <i>Annals of Global Health</i> , 2015 , 81, 445-58	5.8	23
69	Spillover and pandemic properties of zoonotic viruses with high host plasticity. <i>Scientific Reports</i> , 2015 , 5, 14830	4.9	168
68	Molecular evidence of Ebola Reston virus infection in Philippine bats. <i>Virology Journal</i> , 2015 , 12, 107	6.1	52
67	Are Bats Really Special As Viral Reservoirs? What We Know and Need to Know 2015 , 281-294		12
66	Surveillance for Ebola Virus in Wildlife, Thailand. <i>Emerging Infectious Diseases</i> , 2015 , 21, 2271-3	10.2	5
65	Bartonella spp. in a Puerto Rican bat community. <i>Journal of Wildlife Diseases</i> , 2015 , 51, 274-8	1.3	23
64	Diversity of coronavirus in bats from Eastern Thailand. <i>Virology Journal</i> , 2015 , 12, 57	6.1	54
63	Beyond Ebola: lessons to mitigate future pandemics. <i>The Lancet Global Health</i> , 2015 , 3, e354-5	13.6	30
62	Two Tickets to Paradise: Multiple Dispersal Events in the Founding of Hoary Bat Populations in Hawai'i. <i>PLoS ONE</i> , 2015 , 10, e0127912	3.7	14
61	Roosting behaviour and habitat selection of reveals potential links to Nipah virus epidemiology. <i>Journal of Applied Ecology</i> , 2014 , 51, 376-387	5.8	44
60	Parasite and viral species richness of Southeast Asian bats: Fragmentation of area distribution matters. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2014 , 3, 161-70	2.6	41
59	The role of landscape composition and configuration on <i>Pteropus giganteus</i> roosting ecology and Nipah virus spillover risk in Bangladesh. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 90, 247-55	3.2	45
58	Middle East respiratory syndrome coronavirus infection in dromedary camels in Saudi Arabia. <i>MBio</i> , 2014 , 5, e00884-14	7.8	296

57	Contrasting patterns in mammal-bacteria coevolution: bartonella and leptospira in bats and rodents. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2738	4.8	56
56	Filoviruses in bats: current knowledge and future directions. <i>Viruses</i> , 2014 , 6, 1759-88	6.2	195
55	Horizontal transfers and gene losses in the phospholipid pathway of bartonella reveal clues about early ecological niches. <i>Genome Biology and Evolution</i> , 2014 , 6, 2156-69	3.9	14
54	Serological evidence of henipavirus exposure in cattle, goats and pigs in Bangladesh. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3302	4.8	38
53	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. <i>MBio</i> , 2014 , 5,	7.8	192
52	Evidence for henipavirus spillover into human populations in Africa. <i>Nature Communications</i> , 2014 , 5, 5342	17.4	102
51	Isolation and characterization of a bat SARS-like coronavirus that uses the ACE2 receptor. <i>Nature</i> , 2013 , 503, 535-8	50.4	1085
50	Interdisciplinary approaches to understanding disease emergence: the past, present, and future drivers of Nipah virus emergence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110 Suppl 1, 3681-8	11.5	104
49	Lack of population genetic structure and host specificity in the bat fly, <i>Cyclopodia horsfieldi</i> , across species of <i>Pteropus</i> bats in Southeast Asia. <i>Parasites and Vectors</i> , 2013 , 6, 231	4	28
48	Linking the historical roots of environmental conservation with human and wildlife health. <i>EcoHealth</i> , 2013 , 10, 224-7	3.1	3
47	A strategy to estimate unknown viral diversity in mammals. <i>MBio</i> , 2013 , 4, e00598-13	7.8	243
46	Human ecology in pathogenic landscapes: two hypotheses on how land use change drives viral emergence. <i>Current Opinion in Virology</i> , 2013 , 3, 79-83	7.5	94
45	Ebola virus antibodies in fruit bats, bangladesh. <i>Emerging Infectious Diseases</i> , 2013 , 19, 270-3	10.2	100
44	Middle East respiratory syndrome coronavirus in bats, Saudi Arabia. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1819-23	10.2	455
43	Bats are a major natural reservoir for hepaciviruses and pegiviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8194-9	11.5	201
42	Risk Factors for Nipah virus infection among pteropid bats, Peninsular Malaysia. <i>Emerging Infectious Diseases</i> , 2013 , 19, 51-60	10.2	38
41	Group C betacoronavirus in bat guano fertilizer, Thailand. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1349-51	10.2	56
40	Targeting surveillance for zoonotic virus discovery. <i>Emerging Infectious Diseases</i> , 2013 , 19, 743-7	10.2	33

39	Quantifying trends in disease impact to produce a consistent and reproducible definition of an emerging infectious disease. <i>PLoS ONE</i> , 2013 , 8, e69951	3.7	16
38	Foraging behaviour and landscape utilisation by the endangered golden-crowned flying fox (<i>Acerodon jubatus</i>), the Philippines. <i>PLoS ONE</i> , 2013 , 8, e79665	3.7	11
37	Duration of Maternal Antibodies against Canine Distemper Virus and Hendra Virus in Pteropid Bats. <i>PLoS ONE</i> , 2013 , 8, e67584	3.7	31
36	Prediction and prevention of the next pandemic zoonosis. <i>Lancet, The</i> , 2012 , 380, 1956-65	4.0	528
35	Global distribution and genetic diversity of Bartonella in bat flies (Hippoboscoidea, Streblidae, Nycteribiidae). <i>Infection, Genetics and Evolution</i> , 2012 , 12, 1717-23	4.5	71
34	Agricultural intensification, priming for persistence and the emergence of Nipah virus: a lethal bat-borne zoonosis. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 89-101	4.1	194
33	Urban habituation, ecological connectivity and epidemic dampening: the emergence of Hendra virus from flying foxes (<i>Pteropus</i> spp.). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 3703-12	4.4	227
32	Pteropid bats are confirmed as the reservoir hosts of henipaviruses: a comprehensive experimental study of virus transmission. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011 , 85, 946-51	3.2	256
31	Satellite telemetry and long-range bat movements. <i>PLoS ONE</i> , 2011 , 6, e14696	3.7	23
30	Comparison of intravenous medetomidine and medetomidine/ketamine for immobilization of free-ranging variable flying foxes (<i>Pteropus hypomelanus</i>). <i>PLoS ONE</i> , 2011 , 6, e25361	3.7	8
29	Identification of GBV-D, a novel GB-like flavivirus from old world frugivorous bats (<i>Pteropus giganteus</i>) in Bangladesh. <i>PLoS Pathogens</i> , 2010 , 6, e1000972	7.6	62
28	Characterization of Nipah virus from naturally infected <i>Pteropus vampyrus</i> bats, Malaysia. <i>Emerging Infectious Diseases</i> , 2010 , 16, 1990-3	10.2	92
27	Molecular identification of host feeding patterns of snow-melt mosquitoes (Diptera: Culicidae): potential implications for the transmission ecology of Jamestown Canyon virus. <i>Journal of Medical Entomology</i> , 2010 , 47, 226-9	2.2	5
26	Correlates of viral richness in bats (order Chiroptera). <i>EcoHealth</i> , 2009 , 6, 522-39	3.1	62
25	<i>Pteropus vampyrus</i> , a hunted migratory species with a multinational home-range and a need for regional management. <i>Journal of Applied Ecology</i> , 2009 , 46, 991-1002	5.8	124
24	Ecology. Reducing the risks of the wildlife trade. <i>Science</i> , 2009 , 324, 594-5	33.3	188
23	Global trends in emerging infectious diseases. <i>Nature</i> , 2008 , 451, 990-3	50.4	4246
22	Causal inference in disease ecology: investigating ecological drivers of disease emergence. <i>Frontiers in Ecology and the Environment</i> , 2008 , 6, 420-429	5.5	217

21	Henipavirus susceptibility to environmental variables. <i>Virus Research</i> , 2008 , 132, 140-4	6.4	91
20	Henipavirus infection in fruit bats (<i>Pteropus giganteus</i>), India. <i>Emerging Infectious Diseases</i> , 2008 , 14, 1309-11	10.2	111
19	Cross-species virus transmission and the emergence of new epidemic diseases. <i>Microbiology and Molecular Biology Reviews</i> , 2008 , 72, 457-70	13.2	492
18	Reproduction and nutritional stress are risk factors for Hendra virus infection in little red flying foxes (<i>Pteropus scapulatus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 861-9	4.4	195
17	Detection of Hepatocystis sp. in southeast Asian flying foxes (Pteropodidae) using microscopic and molecular methods. <i>Journal of Parasitology</i> , 2007 , 93, 1538-40	0.9	27
16	Evolutionary relationships between bat coronaviruses and their hosts. <i>Emerging Infectious Diseases</i> , 2007 , 13, 1526-32	10.2	95
15	Emerging viruses: coming in on a wrinkled wing and a prayer. <i>Clinical Infectious Diseases</i> , 2007 , 44, 711-7	11.6	79
14	Nipah virus: impact, origins, and causes of emergence. <i>Current Infectious Disease Reports</i> , 2006 , 8, 59-65	3.9	143
13	Emerging henipaviruses and flying foxes - Conservation and management perspectives. <i>Biological Conservation</i> , 2006 , 131, 211-220	6.2	33
12	The emergence of Nipah and Hendra virus: pathogen dynamics across a wildlife-livestock-human continuum 2006 , 186-201		38
11	The ecology of emerging neurotropic viruses. <i>Journal of NeuroVirology</i> , 2005 , 11, 441-6	3.9	69
10	Bats are natural reservoirs of SARS-like coronaviruses. <i>Science</i> , 2005 , 310, 676-9	33.3	1660
9	Bushmeat hunting, deforestation, and prediction of zoonoses emergence. <i>Emerging Infectious Diseases</i> , 2005 , 11, 1822-7	10.2	368
8	Quantitative Risk Assessment of the Pathways by Which West Nile Virus Could Reach Hawaii. <i>EcoHealth</i> , 2004 , 1, 205-209	3.1	55
7	Unhealthy landscapes: Policy recommendations on land use change and infectious disease emergence. <i>Environmental Health Perspectives</i> , 2004 , 112, 1092-8	8.4	593
6	Contributions of Ex Situ Propagation and Molecular Genetics to Conservation of Hawaiian Tree Snails 2004 , 16-34		12
5	Evolutionary and ecological correlates of population genetic structure in bats		267-316
4	Assessing the risks posed by SARS-CoV-2 in and via North American bats		Decision framing and rapid risk assessment. <i>US Geological Survey Open-File Report</i> ,

3	Climate change will drive novel cross-species viral transmission	22
2	Predicting the global mammalian viral sharing network using phylogeography	4
1	Zoonotic Risk Technology Enters the Viral Emergence Toolkit	2