Aris Katzourakis

List of Publications by Year
in descending order

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64 papers	3,366 citations	236925 25 h-index	168389 53 g-index
68 all docs	68 docs citations	68 times ranked	4455 citing authors

#	Article	IF	Citations
1	Endogenous Viral Elements in Animal Genomes. PLoS Genetics, 2010, 6, e1001191.	3.5	565
2	Six reference-quality genomes reveal evolution of bat adaptations. Nature, 2020, 583, 578-584.	27.8	210
3	Discovery and analysis of the first endogenous lentivirus. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6261-6265.	7.1	193
4	A transitional endogenous lentivirus from the genome of a basal primate and implications for lentivirus evolution. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20362-20367.	7.1	183
5	Endogenous viruses: Connecting recent and ancient viral evolution. Virology, 2015, 479-480, 26-37.	2.4	152
6	Macroevolution of Complex Retroviruses. Science, 2009, 325, 1512-1512.	12.6	146
7	Time-Dependent Rate Phenomenon in Viruses. Journal of Virology, 2016, 90, 7184-7195.	3.4	128
8	Hologenomic adaptations underlying the evolution of sanguivory in the common vampire bat. Nature Ecology and Evolution, 2018, 2, 659-668.	7.8	124
9	The mode and tempo of hepatitis C virus evolution within and among hosts. BMC Evolutionary Biology, 2011, 11, 131.	3.2	122
10	Prisoners of war â€" host adaptation and its constraints on virus evolution. Nature Reviews Microbiology, 2019, 17, 321-328.	28.6	117
11	Marine origin of retroviruses in the early Palaeozoic Era. Nature Communications, 2017, 8, 13954.	12.8	104
12	Antigenic evolution will lead to new SARS-CoV-2 variants with unpredictable severity. Nature Reviews Microbiology, 2022, 20, 251-252.	28.6	96
13	The evolutionary dynamics of endogenous retroviruses. Trends in Microbiology, 2005, 13, 463-468.	7.7	84
14	Molecular epidemiology reveals the role of war in the spread of HIV in Ukraine. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1051-1056.	7.1	65
15	The global spread of HIV-1 subtype B epidemic. Infection, Genetics and Evolution, 2016, 46, 169-179.	2.3	60
16	Paleovirology: inferring viral evolution from host genome sequence data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120493.	4.0	53
17	Larger Mammalian Body Size Leads to Lower Retroviral Activity. PLoS Pathogens, 2014, 10, e1004214.	4.7	47
18	The First Endogenous Herpesvirus, Identified in the Tarsier Genome, and Novel Sequences from Primate Rhadinoviruses and Lymphocryptoviruses. PLoS Genetics, 2014, 10, e1004332.	3.5	47

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19	Discovery of prosimian and afrotherian foamy viruses and potential cross species transmissions amidst stable and ancient mammalian co-evolution. Retrovirology, 2014, 11, 61.	2.0	45
20	Diversity, taxonomy, and evolution of archaeal viruses of the class Caudoviricetes. PLoS Biology, 2021, 19, e3001442.	5.6	44
21	De Novo Assembly of Human Herpes Virus Type 1 (HHV-1) Genome, Mining of Non-Canonical Structures and Detection of Novel Drug-Resistance Mutations Using Short- and Long-Read Next Generation Sequencing Technologies. PLoS ONE, 2016, 11, e0157600.	2.5	43
22	Purifying Selection Determines the Short-Term Time Dependency of Evolutionary Rates in SARS-CoV-2 and pH1N1 Influenza. Molecular Biology and Evolution, 2022, 39, .	8.9	42
23	HLA Footprints on Human Immunodeficiency Virus Type 1 Are Associated with Interclade Polymorphisms and Intraclade Phylogenetic Clustering. Journal of Virology, 2009, 83, 4605-4615.	3.4	40
24	Effects of Recombination Rate on Human Endogenous Retrovirus Fixation and Persistence. Journal of Virology, 2007, 81, 10712-10717.	3.4	39
25	The Potential Role of Endogenous Viral Elements in the Evolution of Bats as Reservoirs for Zoonotic Viruses. Annual Review of Virology, 2020, 7, 103-119.	6.7	34
26	A mechanistic evolutionary model explains the time-dependent pattern of substitution rates in viruses. Current Biology, 2021, 31, 4689-4696.e5.	3.9	30
27	Time dependency of foamy virus evolutionary rate estimates. BMC Evolutionary Biology, 2015, 15, 119.	3.2	28
28	Wide distribution and ancient evolutionary history of simian foamy viruses in New World primates. Retrovirology, 2015, 12, 89.	2.0	26
29	Human endogenous retrovirus (HERV) expression is not induced by treatment with the histone deacetylase (HDAC) inhibitors in cellular models of HIV-1 latency. Retrovirology, 2016, 13, 10.	2.0	25
30	Excess deaths associated with the Iranian COVID-19 epidemic: A province-level analysis. International Journal of Infectious Diseases, 2021, 107, 101-115.	3.3	24
31	Phylogenomics of the Maverick Virus-Like Mobile Genetic Elements of Vertebrates. Molecular Biology and Evolution, 2021, 38, 1731-1743.	8.9	22
32	Phylogenetic Analysis Reveals That ERVs "Die Young" but HERV-H Is Unusually Conserved. PLoS Computational Biology, 2016, 12, e1004964.	3.2	22
33	STEAK: A specific tool for transposable elements and retrovirus detection in high-throughput sequencing data. Virus Evolution, 2017, 3, vex023.	4.9	21
34	A novel viral lineage distantly related to herpesviruses discovered within fish genome sequence data. Virus Evolution, 2017, 3, vex016.	4.9	20
35	Paleovirology of the DNA viruses of eukaryotes. Trends in Microbiology, 2022, 30, 281-292.	7.7	20
36	Human Endogenous Retrovirus-K HML-2 integration within RASGRF2 is associated with intravenous drug abuse and modulates transcription in a cell-line model. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10434-10439.	7.1	18

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37	Interferon-Inducible Protein 16 (IFI16) Has a Broad-Spectrum Binding Ability Against ssDNA Targets: An Evolutionary Hypothesis for Antiretroviral Checkpoint. Frontiers in Microbiology, 2019, 10, 1426.	3.5	18
38	The Exaptation of HERV-H: Evolutionary Analyses Reveal the Genomic Features of Highly Transcribed Elements. Frontiers in Immunology, 2019, 10, 1339.	4.8	18
39	Tilapia lake virus (TiLV): Genomic epidemiology and its early origin. Transboundary and Emerging Diseases, 2021, 68, 435-444.	3.0	18
40	Orthologous endogenous retroviruses exhibit directional selection since the chimp-human split. Retrovirology, 2015, 12, 52.	2.0	17
41	Endogenous retroviruses. Current Biology, 2015, 25, R644-R646.	3.9	17
42	Lessons for preparedness and reasons for concern from the early COVID-19 epidemic in Iran. Epidemics, 2021, 36, 100472.	3.0	17
43	Evolution: Endogenous Viruses Provide Shortcuts in Antiviral Immunity. Current Biology, 2016, 26, R427-R429.	3.9	16
44	Disentangling the origins of virophages and polintons. Current Opinion in Virology, 2017, 25, 59-65.	5.4	16
45	Phylogenetic Analysis of Murine Leukemia Virus Sequences from Longitudinally Sampled Chronic Fatigue Syndrome Patients Suggests PCR Contamination Rather than Viral Evolution. Journal of Virology, 2011, 85, 10909-10913.	3.4	15
46	A contaminant-free assessment of Endogenous Retroviral RNA in human plasma. Scientific Reports, 2016, 6, 33598.	3.3	15
47	Convergent capture of retroviral superantigens by mammalian herpesviruses. Nature Communications, 2015, 6, 8299.	12.8	14
48	Roles of Endogenous Retroviruses in Early Life Events. Trends in Microbiology, 2017, 25, 876-877.	7.7	14
49	Modular nature of simian foamy virus genomes and their evolutionary history. Virus Evolution, 2019, 5, vez032.	4.9	14
50	The First Co-Opted Endogenous Foamy Viruses and the Evolutionary History of Reptilian Foamy Viruses. Viruses, 2019, 11, 641.	3.3	13
51	Estimates of anti-SARS-CoV-2 antibody seroprevalence in Iran. Lancet Infectious Diseases, The, 2021, 21, 602-603.	9.1	11
52	The evolution of endogenous retroviral envelope genes in bats and their potential contribution to host biology. Virus Research, 2019, 270, 197645.	2.2	10
53	SARS-CoV-2 genetic variations associated with COVID-19 pathogenicity. Microbial Genomics, 2021, 7, .	2.0	10
54	A framework for reconstructing SARS-CoV-2 transmission dynamics using excess mortality data. Nature Communications, 2022, 13, .	12.8	10

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55	HIV-1 p24Gag adaptation to modern and archaic HLA-allele frequency differences in ethnic groups contributes to viral subtype diversification. Virus Evolution, 2020, 6, veaa085.	4.9	7
56	Rapid evidence review to inform safe return to campus in the context of coronavirus disease 2019 (COVID-19). Wellcome Open Research, 2021, 6, 282.	1.8	6
57	HIV-infected sex workers with beneficial HLA-variants are potential hubs for selection of HIV-1 recombinants that may affect disease progression. Scientific Reports, 2015, 5, 11253.	3.3	5
58	Editorial overview: Paleovirology: the genomic fossil record, and consequences of ancient viral infections. Current Opinion in Virology, 2017, 25, ix-xi.	5.4	3
59	Cell-Derived Viral Genes Evolve under Stronger Purifying Selection in Rhadinoviruses. Journal of Virology, 2018, 92, .	3.4	3
60	Reply to â€˜Evolutionary stasis ofÂviruses?â€™. Nature Reviews Microbiology, 2019, 17, 329-330.	28.6	3
61	Host or pathogen-related factors in COVID-19 severity? â€“ Authors' reply. Lancet, The, 2020, 396, 1397.	13.7	3
62	Sex-specific aspects of endogenous retroviral insertion and deletion. BMC Evolutionary Biology, 2013, 13, 243.	3.2	2
63	A Mechanistic Evolutionary Model Explains the Time-Dependent Pattern of Substitution Rates in Viruses. SSRN Electronic Journal, 0, , .	0.4	1
64	Target Enrichment Metagenomics Reveals Human Pegivirus-1 in Pediatric Hematopoietic Stem Cell Transplantation Recipients. Viruses, 2022, 14, 796.	3.3	1