

Etienne Simon-Lorière

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

8,497
citations

126907

33
h-index

110387

64
g-index

88
all docs

88
docs citations

88
times ranked

14331
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced sensitivity of SARS-CoV-2 variant Delta to antibody neutralization. Nature, 2021, 596, 276-280.	27.8	1,803
2	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization. Nature, 2022, 602, 671-675.	27.8	1,202
3	Sensitivity of infectious SARS-CoV-2 B.1.1.7 and B.1.351 variants to neutralizing antibodies. Nature Medicine, 2021, 27, 917-924.	30.7	617
4	Why do RNA viruses recombine?. Nature Reviews Microbiology, 2011, 9, 617-626.	28.6	547
5	Structural basis of potent Zika–dengue virus antibody cross-neutralization. Nature, 2016, 536, 48-53.	27.8	465
6	Virus genomes reveal factors that spread and sustained the Ebola epidemic. Nature, 2017, 544, 309-315.	27.8	346
7	Serum neutralization of SARS-CoV-2 Omicron sublineages BA.1 and BA.2 in patients receiving monoclonal antibodies. Nature Medicine, 2022, 28, 1297-1302.	30.7	235
8	Human Adaptation of Ebola Virus during the West African Outbreak. Cell, 2016, 167, 1079-1087.e5.	28.9	180
9	Epidemiological Risk Factors Associated with High Global Frequency of Inapparent Dengue Virus Infections. Frontiers in Immunology, 2014, 5, 280.	4.8	144
10	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. Science, 2021, 374, 423-431.	12.6	144
11	A novel SARS-CoV-2 related coronavirus in bats from Cambodia. Nature Communications, 2021, 12, 6563.	12.8	127
12	Zika virus induces massive cytoplasmic vacuolization and paraptosis-like death in infected cells. EMBO Journal, 2017, 36, 1653-1668.	7.8	118
13	Interferon-Induced Spermidine-Spermine Acetyltransferase and Polyamine Depletion Restrict Zika and Chikungunya Viruses. Cell Host and Microbe, 2016, 20, 167-177.	11.0	105
14	Autochthonous Japanese Encephalitis with Yellow Fever Coinfection in Africa. New England Journal of Medicine, 2017, 376, 1483-1485.	27.0	99
15	Distinct lineages of Ebola virus in Guinea during the 2014 West African epidemic. Nature, 2015, 524, 102-104.	27.8	96
16	Capturing sequence diversity in metagenomes with comprehensive and scalable probe design. Nature Biotechnology, 2019, 37, 160-168.	17.5	96
17	ZIKA virus elicits P53 activation and genotoxic stress in human neural progenitors similar to mutations involved in severe forms of genetic microcephaly and p53. Cell Death and Disease, 2016, 7, e2440-e2440.	6.3	88
18	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization. Nature, 0, , .	27.8	88

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19	Towards SARS-CoV-2 serotypes?. <i>Nature Reviews Microbiology</i> , 2022, 20, 187-188.	28.6	81
20	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. <i>Nature Communications</i> , 2021, 12, 916.	12.8	80
21	Inhibition of Polyamine Biosynthesis Is a Broad-Spectrum Strategy against RNA Viruses. <i>Journal of Virology</i> , 2016, 90, 9683-9692.	3.4	71
22	Molecular Mechanisms of Recombination Restriction in the Envelope Gene of the Human Immunodeficiency Virus. <i>PLoS Pathogens</i> , 2009, 5, e1000418.	4.7	70
23	Implications of recombination for HIV diversity. <i>Virus Research</i> , 2008, 134, 64-73.	2.2	69
24	Increased adaptive immune responses and proper feedback regulation protect against clinical dengue. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	68
25	A Modified mRNA Vaccine Targeting Immunodominant NS Epitopes Protects Against Dengue Virus Infection in HLA Class I Transgenic Mice. <i>Frontiers in Immunology</i> , 2019, 10, 1424.	4.8	59
26	Identifying the Important HIV-1 Recombination Breakpoints. <i>PLoS Computational Biology</i> , 2008, 4, e1000178.	3.2	58
27	Sequence determinants of breakpoint location during HIV-1 intersubtype recombination. <i>Nucleic Acids Research</i> , 2006, 34, 5203-5216.	14.5	53
28	Development and validation of four one-step real-time RT-LAMP assays for specific detection of each dengue virus serotype. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006381.	3.0	53
29	RNA Structures Facilitate Recombination-Mediated Gene Swapping in HIV-1. <i>Journal of Virology</i> , 2010, 84, 12675-12682.	3.4	51
30	Inhibition of the replication of SARS-CoV-2 in human cells by the FDA-approved drug chlorpromazine. <i>International Journal of Antimicrobial Agents</i> , 2021, 57, 106274.	2.5	51
31	FHL1 is a major host factor for chikungunya virus infection. <i>Nature</i> , 2019, 574, 259-263.	27.8	49
32	The Effect of Gene Overlapping on the Rate of RNA Virus Evolution. <i>Molecular Biology and Evolution</i> , 2013, 30, 1916-1928.	8.9	47
33	Gene Duplication Is Infrequent in the Recent Evolutionary History of RNA Viruses. <i>Molecular Biology and Evolution</i> , 2013, 30, 1263-1269.	8.9	45
34	Analysis of mRNA vaccination-elicited RBD-specific memory B cells reveals strong but incomplete immune escape of the SARS-CoV-2 Omicron variant. <i>Immunity</i> , 2022, 55, 1096-1104.e4.	14.3	42
35	High Anti-Dengue Virus Activity of the OAS Gene Family Is Associated With Increased Severity of Dengue. <i>Journal of Infectious Diseases</i> , 2015, 212, 2011-2020.	4.0	37
36	Potent human broadly SARS-CoV-2 neutralizing IgA and IgG antibodies effective against Omicron BA.1 and BA.2. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	34

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37	Genetic Diversity of Collaborative Cross Mice Controls Viral Replication, Clinical Severity, and Brain Pathology Induced by Zika Virus Infection, Independently of <i>Oas1b</i> . <i>Journal of Virology</i> , 2020, 94, .	3.4	32
38	RNA structures, genomic organization and selection of recombinant HIV. <i>RNA Biology</i> , 2011, 8, 280-286.	3.1	27
39	A Blood RNA Signature Detecting Severe Disease in Young Dengue Patients at Hospital Arrival. <i>Journal of Infectious Diseases</i> , 2018, 217, 1690-1698.	4.0	27
40	Targeting Polyamines Inhibits Coronavirus Infection by Reducing Cellular Attachment and Entry. <i>ACS Infectious Diseases</i> , 2021, 7, 1423-1432.	3.8	26
41	Improved Immune Responses Against Zika Virus After Sequential Dengue and Zika Virus Infection in Humans. <i>Viruses</i> , 2018, 10, 480.	3.3	25
42	Identification of DAXX as a restriction factor of SARS-CoV-2 through a CRISPR/Cas9 screen. <i>Nature Communications</i> , 2022, 13, 2442.	12.8	25
43	Novel genome sequences of cell-fusing agent virus allow comparison of virus phylogeny with the genetic structure of <i>Aedes aegypti</i> populations. <i>Virus Evolution</i> , 2020, 6, veaa018.	4.9	24
44	Genomic Epidemiology of 2015–2016 Zika Virus Outbreak in Cape Verde. <i>Emerging Infectious Diseases</i> , 2020, 26, 1084-1090.	4.3	24
45	Antibody escape and global spread of SARS-CoV-2 lineage A.27. <i>Nature Communications</i> , 2022, 13, 1152.	12.8	20
46	Level of Gene Expression Is a Major Determinant of Protein Evolution in the Viral Order Mononegavirales. <i>Journal of Virology</i> , 2012, 86, 5253-5263.	3.4	18
47	A Single Dose of NILV-Based Vaccine Provides Rapid and Durable Protection against Zika Virus. <i>Molecular Therapy</i> , 2020, 28, 1772-1782.	8.2	18
48	A live measles-vectored COVID-19 vaccine induces strong immunity and protection from SARS-CoV-2 challenge in mice and hamsters. <i>Nature Communications</i> , 2021, 12, 6277.	12.8	18
49	Genetic Characterization of Enterovirus A71 Circulating in Africa. <i>Emerging Infectious Diseases</i> , 2018, 24, 754-757.	4.3	17
50	Joint ancestry and association test indicate two distinct pathogenic pathways involved in classical dengue fever and dengue shock syndrome. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006202.	3.0	17
51	Genetic diversity of the highly variable V1 region interferes with Human Immunodeficiency Virus type 1 envelope functionality. <i>Retrovirology</i> , 2013, 10, 114.	2.0	15
52	Immune Responses to Dengue and Zika Viruses—Guidance for T Cell Vaccine Development. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 385.	2.6	11
53	SARS-CoV-2 Omicron emergence urges for reinforced OneHealth surveillance. <i>EMBO Molecular Medicine</i> , 2022, , e15558.	6.9	10
54	Fusogenicity and neutralization sensitivity of the SARS-CoV-2 Delta sublineage AY.4.2. <i>EBioMedicine</i> , 2022, 77, 103934.	6.1	10

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55	Optic neuropathy and congenital glaucoma associated with probable Zika virus infection in Venezuelan patients. JMM Case Reports, 2018, 5, e005145.	1.3	9
56	Non-congenital severe ocular complications of Zika virus infection. JMM Case Reports, 2018, 5, e005152.	1.3	9
57	Genomic surveillance of enterovirus associated with aseptic meningitis cases in southern Spain, 2015–2018. Scientific Reports, 2021, 11, 21523.	3.3	9
58	Molecular Characterization of Dengue Type 2 Outbreak in Pacific Islands Countries and Territories, 2017–2020. Viruses, 2020, 12, 1081.	3.3	8
59	Retroevolution: HIV–Driven Evolution of Cellular Genes and Improvement of Anticancer Drug Activation. PLoS Genetics, 2012, 8, e1002904.	3.5	7
60	Viral evolution sustains a dengue outbreak of enhanced severity. Emerging Microbes and Infections, 2021, 10, 536-544.	6.5	6
61	Identification and molecular characterization of the first complete genome sequence of Human Parechovirus type 15. Scientific Reports, 2020, 10, 6759.	3.3	5
62	Does intravenous immunoglobulin therapy in Guillain-Barré syndrome patients interfere with serological Zika detection?. Autoimmunity Reviews, 2019, 18, 632-633.	5.8	1
63	Drivers of Dengue Intrahost Evolution. Cell Host and Microbe, 2017, 22, 260-261.	11.0	0