

Etienne Simon-Lorière

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

8,497
citations

126708

33
h-index

110170

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. <i>Nature</i> , 2021, 596, 276-280.	13.7	1,803
2	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization. <i>Nature</i> , 2022, 602, 671-675.	13.7	1,202
3	Sensitivity of infectious SARS-CoV-2 B.1.1.7 and B.1.351 variants to neutralizing antibodies. <i>Nature Medicine</i> , 2021, 27, 917-924.	15.2	617
4	Why do RNA viruses recombine?. <i>Nature Reviews Microbiology</i> , 2011, 9, 617-626.	13.6	547
5	Structural basis of potent Zika–dengue virus antibody cross-neutralization. <i>Nature</i> , 2016, 536, 48-53.	13.7	465
6	Virus genomes reveal factors that spread and sustained the Ebola epidemic. <i>Nature</i> , 2017, 544, 309-315.	13.7	346
7	Serum neutralization of SARS-CoV-2 Omicron sublineages BA.1 and BA.2 in patients receiving monoclonal antibodies. <i>Nature Medicine</i> , 2022, 28, 1297-1302.	15.2	235
8	Human Adaptation of Ebola Virus during the West African Outbreak. <i>Cell</i> , 2016, 167, 1079-1087.e5.	13.5	180
9	Epidemiological Risk Factors Associated with High Global Frequency of Inapparent Dengue Virus Infections. <i>Frontiers in Immunology</i> , 2014, 5, 280.	2.2	144
10	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , 2021, 374, 423-431.	6.0	144
11	A novel SARS-CoV-2 related coronavirus in bats from Cambodia. <i>Nature Communications</i> , 2021, 12, 6563.	5.8	127
12	Zika virus induces massive cytoplasmic vacuolization and paraptosis-like death in infected cells. <i>EMBO Journal</i> , 2017, 36, 1653-1668.	3.5	118
13	Interferon-Induced Spermidine-Spermine Acetyltransferase and Polyamine Depletion Restrict Zika and Chikungunya Viruses. <i>Cell Host and Microbe</i> , 2016, 20, 167-177.	5.1	105
14	Autochthonous Japanese Encephalitis with Yellow Fever Coinfection in Africa. <i>New England Journal of Medicine</i> , 2017, 376, 1483-1485.	13.9	99
15	Distinct lineages of Ebola virus in Guinea during the 2014 West African epidemic. <i>Nature</i> , 2015, 524, 102-104.	13.7	96
16	Capturing sequence diversity in metagenomes with comprehensive and scalable probe design. <i>Nature Biotechnology</i> , 2019, 37, 160-168.	9.4	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. <i>Cell Death and Disease</i> , 2016, 7, e2440-e2440.	2.7	88
18	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization. <i>Nature</i> , 0, , .	13.7	88

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19	Towards SARS-CoV-2 serotypes?. <i>Nature Reviews Microbiology</i> , 2022, 20, 187-188.	13.6	81
20	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. <i>Nature Communications</i> , 2021, 12, 916.	5.8	80
21	Inhibition of Polyamine Biosynthesis Is a Broad-Spectrum Strategy against RNA Viruses. <i>Journal of Virology</i> , 2016, 90, 9683-9692.	1.5	71
22	Molecular Mechanisms of Recombination Restriction in the Envelope Gene of the Human Immunodeficiency Virus. <i>PLoS Pathogens</i> , 2009, 5, e1000418.	2.1	70
23	Implications of recombination for HIV diversity. <i>Virus Research</i> , 2008, 134, 64-73.	1.1	69
24	Increased adaptive immune responses and proper feedback regulation protect against clinical dengue. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	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.	2.2	59
26	Identifying the Important HIV-1 Recombination Breakpoints. <i>PLoS Computational Biology</i> , 2008, 4, e1000178.	1.5	58
27	Sequence determinants of breakpoint location during HIV-1 intersubtype recombination. <i>Nucleic Acids Research</i> , 2006, 34, 5203-5216.	6.5	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.	1.3	53
29	RNA Structures Facilitate Recombination-Mediated Gene Swapping in HIV-1. <i>Journal of Virology</i> , 2010, 84, 12675-12682.	1.5	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.	1.1	51
31	FHL1 is a major host factor for chikungunya virus infection. <i>Nature</i> , 2019, 574, 259-263.	13.7	49
32	The Effect of Gene Overlapping on the Rate of RNA Virus Evolution. <i>Molecular Biology and Evolution</i> , 2013, 30, 1916-1928.	3.5	47
33	Gene Duplication Is Infrequent in the Recent Evolutionary History of RNA Viruses. <i>Molecular Biology and Evolution</i> , 2013, 30, 1263-1269.	3.5	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.	6.6	42
35	High Anti-Dengue Virus Activity of the <i>OAS</i> Gene Family Is Associated With Increased Severity of Dengue. <i>Journal of Infectious Diseases</i> , 2015, 212, 2011-2020.	1.9	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, .	4.2	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, .	1.5	32
38	RNA structures, genomic organization and selection of recombinant HIV. <i>RNA Biology</i> , 2011, 8, 280-286.	1.5	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.	1.9	27
40	Targeting Polyamines Inhibits Coronavirus Infection by Reducing Cellular Attachment and Entry. <i>ACS Infectious Diseases</i> , 2021, 7, 1423-1432.	1.8	26
41	Improved Immune Responses Against Zika Virus After Sequential Dengue and Zika Virus Infection in Humans. <i>Viruses</i> , 2018, 10, 480.	1.5	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.	5.8	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.	2.2	24
44	Genomic Epidemiology of 2015–2016 Zika Virus Outbreak in Cape Verde. <i>Emerging Infectious Diseases</i> , 2020, 26, 1084-1090.	2.0	24
45	Antibody escape and global spread of SARS-CoV-2 lineage A.27. <i>Nature Communications</i> , 2022, 13, 1152.	5.8	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.	1.5	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.	3.7	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.	5.8	18
49	Genetic Characterization of Enterovirus A71 Circulating in Africa. <i>Emerging Infectious Diseases</i> , 2018, 24, 754-757.	2.0	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.	1.3	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.	0.9	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.	1.2	11
53	SARS-CoV-2 Omicron emergence urges for reinforced One Health surveillance. <i>EMBO Molecular Medicine</i> , 2022, , e15558.	3.3	10
54	Fusogenicity and neutralization sensitivity of the SARS-CoV-2 Delta sublineage AY.4.2. <i>EBioMedicine</i> , 2022, 77, 103934.	2.7	10

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55	Optic neuropathy and congenital glaucoma associated with probable Zika virus infection in Venezuelan patients. <i>JMM Case Reports</i> , 2018, 5, e005145.	1.3	9
56	Non-congenital severe ocular complications of Zika virus infection. <i>JMM Case Reports</i> , 2018, 5, e005152.	1.3	9
57	Genomic surveillance of enterovirus associated with aseptic meningitis cases in southern Spain, 2015–2018. <i>Scientific Reports</i> , 2021, 11, 21523.	1.6	9
58	Molecular Characterization of Dengue Type 2 Outbreak in Pacific Islands Countries and Territories, 2017–2020. <i>Viruses</i> , 2020, 12, 1081.	1.5	8
59	Retroevolution: HIV–Driven Evolution of Cellular Genes and Improvement of Anticancer Drug Activation. <i>PLoS Genetics</i> , 2012, 8, e1002904.	1.5	7
60	Viral evolution sustains a dengue outbreak of enhanced severity. <i>Emerging Microbes and Infections</i> , 2021, 10, 536-544.	3.0	6
61	Identification and molecular characterization of the first complete genome sequence of Human Parechovirus type 15. <i>Scientific Reports</i> , 2020, 10, 6759.	1.6	5
62	Does intravenous immunoglobulin therapy in Guillain-Barré syndrome patients interfere with serological Zika detection?. <i>Autoimmunity Reviews</i> , 2019, 18, 632-633.	2.5	1
63	Drivers of Dengue Intrahost Evolution. <i>Cell Host and Microbe</i> , 2017, 22, 260-261.	5.1	0