

# Etienne Simon-Lorire

## List of Publications by Citations

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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.

76  
papers

4,208  
citations

31  
h-index

64  
g-index

88  
ext. papers

6,991  
ext. citations

18.1  
avg, IF

5.5  
L-index

#	Paper	IF	Citations
76	Reduced sensitivity of SARS-CoV-2 variant Delta to antibody neutralization. <i>Nature</i> , <b>2021</b> , 596, 276-280	50.4	773
75	Why do RNA viruses recombine?. <i>Nature Reviews Microbiology</i> , <b>2011</b> , 9, 617-26	22.2	381
74	Structural basis of potent Zika-dengue virus antibody cross-neutralization. <i>Nature</i> , <b>2016</b> , 536, 48-53	50.4	362
73	Sensitivity of infectious SARS-CoV-2 B.1.1.7 and B.1.351 variants to neutralizing antibodies. <i>Nature Medicine</i> , <b>2021</b> , 27, 917-924	50.5	355
72	Virus genomes reveal factors that spread and sustained the Ebola epidemic. <i>Nature</i> , <b>2017</b> , 544, 309-315	50.4	238
71	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization.. <i>Nature</i> , <b>2021</b> ,	50.4	230
70	Human Adaptation of Ebola Virus during the West African Outbreak. <i>Cell</i> , <b>2016</b> , 167, 1079-1087.e5	56.2	134
69	Epidemiological risk factors associated with high global frequency of inapparent dengue virus infections. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 280	8.4	109
68	Reduced sensitivity of infectious SARS-CoV-2 variant B.1.617.2 to monoclonal antibodies and sera from convalescent and vaccinated individuals		82
67	Distinct lineages of Ebola virus in Guinea during the 2014 West African epidemic. <i>Nature</i> , <b>2015</b> , 524, 102-4	50.4	78
66	Zika virus induces massive cytoplasmic vacuolization and paraptosis-like death in infected cells. <i>EMBO Journal</i> , <b>2017</b> , 36, 1653-1668	13	77
65	Interferon-Induced Spermidine-Spermine Acetyltransferase and Polyamine Depletion Restrict Zika and Chikungunya Viruses. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 167-77	23.4	68
64	Molecular mechanisms of recombination restriction in the envelope gene of the human immunodeficiency virus. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000418	7.6	63
63	The B1.351 and P.1 variants extend SARS-CoV-2 host range to mice		62
62	Autochthonous Japanese Encephalitis with Yellow Fever Coinfection in Africa. <i>New England Journal of Medicine</i> , <b>2017</b> , 376, 1483-1485	59.2	58
61	Implications of recombination for HIV diversity. <i>Virus Research</i> , <b>2008</b> , 134, 64-73	6.4	58
60	ZIKA virus elicits P53 activation and genotoxic stress in human neural progenitors similar to mutations involved in severe forms of genetic microcephaly. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2440	9.8	57

59	Capturing sequence diversity in metagenomes with comprehensive and scalable probe design. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 160-168	44.5	57
58	Identifying the important HIV-1 recombination breakpoints. <i>PLoS Computational Biology</i> , <b>2008</b> , 4, e1000178	17.8	55
57	Sequence determinants of breakpoint location during HIV-1 intersubtype recombination. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 5203-16	20.1	48
56	Inhibition of Polyamine Biosynthesis Is a Broad-Spectrum Strategy against RNA Viruses. <i>Journal of Virology</i> , <b>2016</b> , 90, 9683-9692	6.6	47
55	Increased adaptive immune responses and proper feedback regulation protect against clinical dengue. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	45
54	RNA structures facilitate recombination-mediated gene swapping in HIV-1. <i>Journal of Virology</i> , <b>2010</b> , 84, 12675-82	6.6	45
53	Sensitivity of infectious SARS-CoV-2 B.1.1.7 and B.1.351 variants to neutralizing antibodies		45
52	A Modified mRNA Vaccine Targeting Immunodominant NS Epitopes Protects Against Dengue Virus Infection in HLA Class I Transgenic Mice. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1424	8.4	39
51	The effect of gene overlapping on the rate of RNA virus evolution. <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 1916-28	8.3	37
50	A novel SARS-CoV-2 related coronavirus in bats from Cambodia. <i>Nature Communications</i> , <b>2021</b> , 12, 6563	17.4	37
49	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , <b>2021</b> , 374, 423-431	33.3	35
48	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> , <b>2018</b> , 12, e0006381	4.8	35
47	High Anti-Dengue Virus Activity of the OAS Gene Family Is Associated With Increased Severity of Dengue. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 2011-20	7	34
46	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization. <i>Nature</i> ,	50.4	34
45	FHL1 is a major host factor for chikungunya virus infection. <i>Nature</i> , <b>2019</b> , 574, 259-263	50.4	31
44	A novel SARS-CoV-2 related coronavirus in bats from Cambodia		29
43	Gene duplication is infrequent in the recent evolutionary history of RNA viruses. <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 1263-9	8.3	28
42	Inhibition of the replication of SARS-CoV-2 in human cells by the FDA-approved drug chlorpromazine. <i>International Journal of Antimicrobial Agents</i> , <b>2021</b> , 57, 106274	14.3	24

41	Serum neutralization of SARS-CoV-2 Omicron sublineages BA.1 and BA.2 in patients receiving monoclonal antibodies.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	22
40	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. <i>Nature Communications</i> , <b>2021</b> , 12, 916	17.4	20
39	Improved Immune Responses Against Zika Virus After Sequential Dengue and Zika Virus Infection in Humans. <i>Viruses</i> , <b>2018</b> , 10,	6.2	20
38	RNA structures, genomic organization and selection of recombinant HIV. <i>RNA Biology</i> , <b>2011</b> , 8, 280-6	4.8	18
37	A Blood RNA Signature Detecting Severe Disease in Young Dengue Patients at Hospital Arrival. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 1690-1698	7	14
36	Level of gene expression is a major determinant of protein evolution in the viral order Mononegavirales. <i>Journal of Virology</i> , <b>2012</b> , 86, 5253-63	6.6	14
35	Genetic Characterization of Enterovirus A71 Circulating in Africa. <i>Emerging Infectious Diseases</i> , <b>2018</b> , 24, 754-757	10.2	13
34	Genetic diversity of the highly variable V1 region interferes with Human Immunodeficiency Virus type 1 envelope functionality. <i>Retrovirology</i> , <b>2013</b> , 10, 114	3.6	13
33	Novel genome sequences of cell-fusing agent virus allow comparison of virus phylogeny with the genetic structure of populations. <i>Virus Evolution</i> , <b>2020</b> , 6, veaa018	3.7	12
32	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> , <b>2018</b> , 12, e0006202	4.8	11
31	Genomic Epidemiology of 2015-2016 Zika Virus Outbreak in Cape Verde. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 1084-1090	10.2	11
30	Introductions and early spread of SARS-CoV-2 in France		11
29	Genetic Diversity of Collaborative Cross Mice Controls Viral Replication, Clinical Severity, and Brain Pathology Induced by Zika Virus Infection, Independently of. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	11
28	A Single Dose of NILV-Based Vaccine Provides Rapid and Durable Protection against Zika Virus. <i>Molecular Therapy</i> , <b>2020</b> , 28, 1772-1782	11.7	8
27	Immune Responses to Dengue and Zika Viruses-Guidance for T Cell Vaccine Development. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	8
26	Targeting Polyamines Inhibits Coronavirus Infection by Reducing Cellular Attachment and Entry. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 1423-1432	5.5	8
25	Towards SARS-CoV-2 serotypes?. <i>Nature Reviews Microbiology</i> , <b>2022</b> ,	22.2	8
24	Non-congenital severe ocular complications of Zika virus infection. <i>JMM Case Reports</i> , <b>2018</b> , 5, e005152	0.5	7

23	Retrovolution: HIV-driven evolution of cellular genes and improvement of anticancer drug activation. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002904	6	6
22	Optic neuropathy and congenital glaucoma associated with probable Zika virus infection in Venezuelan patients. <i>JMM Case Reports</i> , <b>2018</b> , 5, e005145	0.5	6
21	Early phylodynamics analysis of the COVID-19 epidemic in France		6
20	Sensitive visualization of SARS-CoV-2 RNA with CoronaFISH		6
19	A mouse-adapted SARS-CoV-2 strain replicating in standard laboratory mice		6
18	Molecular Characterization of Dengue Type 2 Outbreak in Pacific Islands Countries and Territories, 2017-2020. <i>Viruses</i> , <b>2020</b> , 12,	6.2	5
17	Antibody escape and global spread of SARS-CoV-2 lineage A.27.. <i>Nature Communications</i> , <b>2022</b> , 13, 115217.4		5
16	Identification and molecular characterization of the first complete genome sequence of Human Parechovirus type 15. <i>Scientific Reports</i> , <b>2020</b> , 10, 6759	4.9	4
15	Inhibition of the replication of SARS-CoV-2 in human cells by the FDA-approved drug chlorpromazine		4
14	A new SARS-CoV-2 variant poorly detected by RT-PCR on nasopharyngeal samples, with high lethality		4
13	SARS-CoV-2 Omicron emergence urges for reinforced One-Health surveillance.. <i>EMBO Molecular Medicine</i> , <b>2022</b> , e15558	12	2
12	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> , <b>2021</b> , 12, 6277	17.4	2
11	Capturing diverse microbial sequence with comprehensive and scalable probe design		2
10	Genetic diversity of Collaborative Cross mice controls viral replication, clinical severity and brain pathology induced by Zika virus infection, independently of Oas1b		2
9	Identification of DAXX As A Restriction Factor Of SARS-CoV-2 Through A CRISPR/Cas9 Screen		2
8	Fusogenicity and neutralization sensitivity of the SARS-CoV-2 Delta sublineage AY.4.2.. <i>EBioMedicine</i> , <b>2022</b> , 77, 103934	8.8	2
7	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> , <b>2022</b> ,	32.3	2
6	Does intravenous immunoglobulin therapy in Guillain-Barré syndrome patients interfere with serological Zika detection?. <i>Autoimmunity Reviews</i> , <b>2019</b> , 18, 632-633	13.6	1

5	Genomic surveillance of enterovirus associated with aseptic meningitis cases in southern Spain, 2015-2018. <i>Scientific Reports</i> , <b>2021</b> , 11, 21523	4.9	1
4	A measles-vectored COVID-19 vaccine induces long-term immunity and protection from SARS-CoV-2 challenge in mice		1
3	Identification of DAXX as a restriction factor of SARS-CoV-2 through a CRISPR/Cas9 screen.. <i>Nature Communications</i> , <b>2022</b> , 13, 2442	17.4	1
2	Viral evolution sustains a dengue outbreak of enhanced severity. <i>Emerging Microbes and Infections</i> , <b>2021</b> , 10, 536-544	18.9	0
1	Drivers of Dengue Intra-host Evolution. <i>Cell Host and Microbe</i> , <b>2017</b> , 22, 260-261	23.4	