Etienne Simon-Lorire

List of Publications by Year in Descending Order

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	SARS-CoV-2 Omicron emergence urges for reinforced One-Health surveillance.. *EMBO Molecular Medicine*, **2022**, e15558	12	2
75	Towards SARS-CoV-2 serotypes?. *Nature Reviews Microbiology*, **2022**,	22.2	8
74	Fusogenicity and neutralization sensitivity of the SARS-CoV-2 Delta sublineage AY.4.2.. *EBioMedicine*, **2022**, 77, 103934	8.8	2
73	Antibody escape and global spread of SARS-CoV-2 lineage A.27.. *Nature Communications*, **2022**, 13, 1152	17.4	5
72	Serum neutralization of SARS-CoV-2 Omicron sublineages BA.1 and BA.2 in patients receiving monoclonal antibodies.. *Nature Medicine*, **2022**,	50.5	22
71	Analysis of mRNA vaccination-elicited RBD-specific memory B cells reveals strong but incomplete immune escape of the SARS-CoV-2 Omicron variant.. *Immunity*, **2022**,	32.3	2
70	Identification of DAXX as a restriction factor of SARS-CoV-2 through a CRISPR/Cas9 screen.. *Nature Communications*, **2022**, 13, 2442	17.4	1
69	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization.. *Nature*, **2021**,	50.4	230
68	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. *Science*, **2021**, 374, 423-431	33.3	35
67	A live measles-vectored COVID-19 vaccine induces strong immunity and protection from SARS-CoV-2 challenge in mice and hamsters. *Nature Communications*, **2021**, 12, 6277	17.4	2
66	A novel SARS-CoV-2 related coronavirus in bats from Cambodia. *Nature Communications*, **2021**, 12, 6563	17.4	37
65	Genomic surveillance of enterovirus associated with aseptic meningitis cases in southern Spain, 2015-2018. *Scientific Reports*, **2021**, 11, 21523	4.9	1
64	Sensitivity of infectious SARS-CoV-2 B.1.1.7 and B.1.351 variants to neutralizing antibodies. *Nature Medicine*, **2021**, 27, 917-924	50.5	355
63	Reduced sensitivity of SARS-CoV-2 variant Delta to antibody neutralization. *Nature*, **2021**, 596, 276-280	50.4	773
62	Targeting Polyamines Inhibits Coronavirus Infection by Reducing Cellular Attachment and Entry. *ACS Infectious Diseases*, **2021**, 7, 1423-1432	5.5	8
61	Viral evolution sustains a dengue outbreak of enhanced severity. *Emerging Microbes and Infections*, **2021**, 10, 536-544	18.9	0
60	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. *Nature Communications*, **2021**, 12, 916	17.4	20

59	Inhibition of the replication of SARS-CoV-2 in human cells by the FDA-approved drug chlorpromazine. *International Journal of Antimicrobial Agents*, **2021**, 57, 106274	14.3	24
58	Novel genome sequences of cell-fusing agent virus allow comparison of virus phylogeny with the genetic structure of populations. *Virus Evolution*, **2020**, 6, veaa018	3.7	12
57	Identification and molecular characterization of the first complete genome sequence of Human Parechovirus type 15. *Scientific Reports*, **2020**, 10, 6759	4.9	4
56	A Single Dose of NILV-Based Vaccine Provides Rapid and Durable Protection against Zika Virus. *Molecular Therapy*, **2020**, 28, 1772-1782	11.7	8
55	Genomic Epidemiology of 2015-2016 Zika Virus Outbreak in Cape Verde. *Emerging Infectious Diseases*, **2020**, 26, 1084-1090	10.2	11
54	Genetic Diversity of Collaborative Cross Mice Controls Viral Replication, Clinical Severity, and Brain Pathology Induced by Zika Virus Infection, Independently of. *Journal of Virology*, **2020**, 94,	6.6	11
53	Molecular Characterization of Dengue Type 2 Outbreak in Pacific Islands Countries and Territories, 2017-2020. *Viruses*, **2020**, 12,	6.2	5
52	FHL1 is a major host factor for chikungunya virus infection. *Nature*, **2019**, 574, 259-263	50.4	31
51	Does intravenous immunoglobulin therapy in Guillain-Barr□syndrome patients interfere with serological Zika detection?. *Autoimmunity Reviews*, **2019**, 18, 632-633	13.6	1
50	A Modified mRNA Vaccine Targeting Immunodominant NS Epitopes Protects Against Dengue Virus Infection in HLA Class I Transgenic Mice. *Frontiers in Immunology*, **2019**, 10, 1424	8.4	39
49	Capturing sequence diversity in metagenomes with comprehensive and scalable probe design. *Nature Biotechnology*, **2019**, 37, 160-168	44.5	57
48	A Blood RNA Signature Detecting Severe Disease in Young Dengue Patients at Hospital Arrival. *Journal of Infectious Diseases*, **2018**, 217, 1690-1698	7	14
47	Genetic Characterization of Enterovirus A71 Circulating in Africa. *Emerging Infectious Diseases*, **2018** , 24, 754-757	10.2	13
46	Immune Responses to Dengue and Zika Viruses-Guidance for T Cell Vaccine Development. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	8
45	Joint ancestry and association test indicate two distinct pathogenic pathways involved in classical dengue fever and dengue shock syndrome. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006202	4.8	11
44	Optic neuropathy and congenital glaucoma associated with probable Zika virus infection in Venezuelan patients. *JMM Case Reports*, **2018**, 5, e005145	0.5	6
43	Non-congenital severe ocular complications of Zika virus infection. *JMM Case Reports*, **2018**, 5, e005152	0.5	7
42	Improved Immune Responses Against Zika Virus After Sequential Dengue and Zika Virus Infection in Humans. *Viruses*, **2018**, 10,	6.2	20

41	Development and validation of four one-step real-time RT-LAMP assays for specific detection of each dengue virus serotype. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006381	4.8	35
40	Virus genomes reveal factors that spread and sustained the Ebola epidemic. *Nature*, **2017**, 544, 309-315	50.4	238
39	Autochthonous Japanese Encephalitis with Yellow Fever Coinfection in Africa. *New England Journal of Medicine*, **2017**, 376, 1483-1485	59.2	58
38	Zika virus induces massive cytoplasmic vacuolization and paraptosis-like death in infected cells. *EMBO Journal*, **2017**, 36, 1653-1668	13	77
37	Increased adaptive immune responses and proper feedback regulation protect against clinical dengue. *Science Translational Medicine*, **2017**, 9,	17.5	45
36	Drivers of Dengue Intrahost Evolution. *Cell Host and Microbe*, **2017**, 22, 260-261	23.4	
35	Inhibition of Polyamine Biosynthesis Is a Broad-Spectrum Strategy against RNA Viruses. *Journal of Virology*, **2016**, 90, 9683-9692	6.6	47
34	Interferon-Induced Spermidine-Spermine Acetyltransferase and Polyamine Depletion Restrict Zika and Chikungunya Viruses. *Cell Host and Microbe*, **2016**, 20, 167-77	23.4	68
33	ZIKA virus elicits P53 activation and genotoxic stress in human neural progenitors similar to mutations involved in severe forms of genetic microcephaly. *Cell Death and Disease*, **2016**, 7, e2440	9.8	57
32	Human Adaptation of Ebola Virus during the West African Outbreak. *Cell*, **2016**, 167, 1079-1087.e5	56.2	134
31	Structural basis of potent Zika-dengue virus antibody cross-neutralization. *Nature*, **2016**, 536, 48-53	50.4	362
30	Distinct lineages of Ebola virus in Guinea during the 2014 West African epidemic. *Nature*, **2015**, 524, 102-4	50.4	78
29	High Anti-Dengue Virus Activity of the OAS Gene Family Is Associated With Increased Severity of Dengue. *Journal of Infectious Diseases*, **2015**, 212, 2011-20	7	34
28	Epidemiological risk factors associated with high global frequency of inapparent dengue virus infections. *Frontiers in Immunology*, **2014**, 5, 280	8.4	109
27	Gene duplication is infrequent in the recent evolutionary history of RNA viruses. *Molecular Biology and Evolution*, **2013**, 30, 1263-9	8.3	28
26	The effect of gene overlapping on the rate of RNA virus evolution. *Molecular Biology and Evolution*, **2013**, 30, 1916-28	8.3	37
25	Genetic diversity of the highly variable V1 region interferes with Human Immunodeficiency Virus type 1 envelope functionality. *Retrovirology*, **2013**, 10, 114	3.6	13
24	Retrovolution: HIV-driven evolution of cellular genes and improvement of anticancer drug activation. *PLoS Genetics*, **2012**, 8, e1002904	6	6

23	Level of gene expression is a major determinant of protein evolution in the viral order Mononegavirales. *Journal of Virology*, **2012**, 86, 5253-63	6.6	14
22	Why do RNA viruses recombine?. *Nature Reviews Microbiology*, **2011**, 9, 617-26	22.2	381
21	RNA structures, genomic organization and selection of recombinant HIV. *RNA Biology*, **2011**, 8, 280-6	4.8	18
20	RNA structures facilitate recombination-mediated gene swapping in HIV-1. *Journal of Virology*, **2010**, 84, 12675-82	6.6	45
19	Molecular mechanisms of recombination restriction in the envelope gene of the human immunodeficiency virus. *PLoS Pathogens*, **2009**, 5, e1000418	7.6	63
18	Implications of recombination for HIV diversity. *Virus Research*, **2008**, 134, 64-73	6.4	58
17	Identifying the important HIV-1 recombination breakpoints. *PLoS Computational Biology*, **2008**, 4, e1000178	5	55
16	Sequence determinants of breakpoint location during HIV-1 intersubtype recombination. *Nucleic Acids Research*, **2006**, 34, 5203-16	20.1	48
15	Considerable escape of SARS-CoV-2 Omicron to antibody neutralization. *Nature*,	50.4	34
14	Introductions and early spread of SARS-CoV-2 in France		11
13	Inhibition of the replication of SARS-CoV-2 in human cells by the FDA-approved drug chlorpromazine		4
12	Early phylodynamics analysis of the COVID-19 epidemic in France		6
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	The B1.351 and P.1 variants extend SARS-CoV-2 host range to mice		62
8	A new SARS-CoV-2 variant poorly detected by RT-PCR on nasopharyngeal samples, with high lethality		4
7	Identification of DAXX As A Restriction Factor Of SARS-CoV-2 Through A CRISPR/Cas9 Screen		2
6	Reduced sensitivity of infectious SARS-CoV-2 variant B.1.617.2 to monoclonal antibodies and sera from convalescent and vaccinated individuals		82

5	A novel SARS-CoV-2 related coronavirus in bats from Cambodia	29
4	Sensitivity of infectious SARS-CoV-2 B.1.1.7 and B.1.351 variants to neutralizing antibodies	45
3	A measles-vectored COVID-19 vaccine induces long-term immunity and protection from SARS-CoV-2 challenge in mice	1
2	Sensitive visualization of SARS-CoV-2 RNA with CoronaFISH	6
1	A mouse-adapted SARS-CoV-2 strain replicating in standard laboratory mice	6