

# Jean-Christophe Grenier

## 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.

41 papers	2,168 citations	19 h-index	46 g-index
51 ext. papers	2,958 ext. citations	17.2 avg, IF	4.38 L-index

#	Paper	IF	Citations
41	BCG Educates Hematopoietic Stem Cells to Generate Protective Innate Immunity against Tuberculosis. <i>Cell</i> , <b>2018</b> , 172, 176-190.e19	56.2	471
40	Social networks predict gut microbiome composition in wild baboons. <i>ELife</i> , <b>2015</b> , 4,	8.9	294
39	Genetic Ancestry and Natural Selection Drive Population Differences in Immune Responses to Pathogens. <i>Cell</i> , <b>2016</b> , 167, 657-669.e21	56.2	264
38	Social status alters immune regulation and response to infection in macaques. <i>Science</i> , <b>2016</b> , 354, 1041-1045	33.3	154
37	Bacterial infection remodels the DNA methylation landscape of human dendritic cells. <i>Genome Research</i> , <b>2015</b> , 25, 1801-11	9.7	138
36	Chronic Inflammation Permanently Reshapes Tissue-Resident Immunity in Celiac Disease. <i>Cell</i> , <b>2019</b> , 176, 967-981.e19	56.2	72
35	High-resolution genomic analysis of human mitochondrial RNA sequence variation. <i>Science</i> , <b>2014</b> , 344, 413-5	33.3	72
34	Adaptive, convergent origins of the pygmy phenotype in African rainforest hunter-gatherers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3596-603	11.5	70
33	Evidence for additive and interaction effects of host genotype and infection in malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16786-93	11.5	66
32	IL-15, gluten and HLA-DQ8 drive tissue destruction in coeliac disease. <i>Nature</i> , <b>2020</b> , 578, 600-604	50.4	65
31	Recombination affects accumulation of damaging and disease-associated mutations in human populations. <i>Nature Genetics</i> , <b>2015</b> , 47, 400-4	36.3	63
30	Gene activation precedes DNA demethylation in response to infection in human dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 6938-6943	11.5	62
29	Widespread Shortening of 3' Untranslated Regions and Increased Exon Inclusion Are Evolutionarily Conserved Features of Innate Immune Responses to Infection. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006338	6	53
28	Whole-exome sequencing reveals a rapid change in the frequency of rare functional variants in a founding population of humans. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003815	6	52
27	Gene-by-environment interactions in urban populations modulate risk phenotypes. <i>Nature Communications</i> , <b>2018</b> , 9, 827	17.4	50
26	Rare allelic forms of PRDM9 associated with childhood leukemogenesis. <i>Genome Research</i> , <b>2013</b> , 23, 419-30	9.7	37
25	Relaxed Selection During a Recent Human Expansion. <i>Genetics</i> , <b>2018</b> , 208, 763-777	4	28

24	Human NKG2E is expressed and forms an intracytoplasmic complex with CD94 and DAP12. <i>Journal of Immunology</i> , <b>2014</b> , 193, 610-6	5.3	26
23	Gut microbiome heritability is nearly universal but environmentally contingent. <i>Science</i> , <b>2021</b> , 373, 181-186	3.3	22
22	Natural selection contributed to immunological differences between hunter-gatherers and agriculturalists. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1253-1264	12.3	15
21	Aortic Dilatation Associated With a De Novo Mutation in the SOX18 Gene: Expanding the Clinical Spectrum of Hypotrichosis-Lymphedema-Telangiectasia Syndrome. <i>Canadian Journal of Cardiology</i> , <b>2016</b> , 32, 135.e1-7	3.8	13
20	Selective constraint, background selection, and mutation accumulation variability within and between human populations. <i>BMC Genomics</i> , <b>2013</b> , 14, 495	4.5	13
19	Primate innate immune responses to bacterial and viral pathogens reveals an evolutionary trade-off between strength and specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	11
18	A Short-Term High-Fat Diet Alters Glutathione Levels and IL-6 Gene Expression in Oxidative Skeletal Muscles of Young Rats. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 372	4.6	10
17	Genomic architecture of sickle cell disease in West African children. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 26	4.5	9
16	The mutational landscape of SARS-CoV-2 variants diversifies T cell targets in an HLA-supertype-dependent manner. <i>Cell Systems</i> , <b>2021</b> ,	10.6	6
15	A haplotype-based normalization technique for the analysis and detection of allele specific expression. <i>BMC Bioinformatics</i> , <b>2016</b> , 17, 364	3.6	5
14	Non-CG methylation and multiple histone profiles associate child abuse with immune and small GTPase dysregulation. <i>Nature Communications</i> , <b>2021</b> , 12, 1132	17.4	5
13	Bacterial Infection Remodels the DNA Methylation Landscape of Human Dendritic Cells		3
12	Single-cell RNA-sequencing reveals pervasive but highly cell type-specific genetic ancestry effects on the response to viral infection		3
11	ImputeCoVNet: 2D ResNet Autoencoder for Imputation of SARS-CoV-2 Sequences		3
10	Gene activation precedes DNA demethylation in response to infection in human dendritic cells		2
9	Widespread shortening of 3' untranslated regions and increased exon inclusion are evolutionarily conserved features of innate immune responses to infection		2
8	Natural selection contributed to immunological differences between human hunter-gatherers and agriculturalists		
7	Genomic and Environmental Contributions to Chronic Diseases in Urban Populations		1

6	Primate innate immune responses to bacterial and viral pathogens reveals an evolutionary trade-off between strength and specificity		1
5	Multiscale PHATE Exploration of SARS-CoV-2 Data Reveals Multimodal Signatures of Disease		1
4	Non-CG methylation and multiple epigenetic layers associate child abuse with immune and small GTPase dysregulation		1
3	Genomic epidemiology and associated clinical outcomes of a SARS-CoV-2 outbreak in a general adult hospital in Quebec <b>2021</b> ,		1
2	Patient health records and whole viral genomes from an early SARS-CoV-2 outbreak in a Quebec hospital reveal features associated with favorable outcomes. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260714	3.7	0
1	Differential modulation of polyunsaturated fatty acids in patients with myocardial infarction treated with ticagrelor or clopidogrel. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100299		18