Eric Letouz

List of Publications by Citations

77 papers	6,574 citations	36 h-index	81 g-index
85 ext. papers	8,317 ext. citations	12.1 avg, IF	5.1 L-index

#	Paper	IF	Citations
77	Integrated analysis of somatic mutations and focal copy-number changes identifies key genes and pathways in hepatocellular carcinoma. *Nature Genetics*, **2012**, 44, 694-8	36.3	996
76	Exome sequencing of hepatocellular carcinomas identifies new mutational signatures and potential therapeutic targets. *Nature Genetics*, **2015**, 47, 505-511	36.3	956
75	SDH mutations establish a hypermethylator phenotype in paraganglioma. *Cancer Cell*, **2013**, 23, 739-52	24.3	492
74	Integrated genomic characterization of adrenocortical carcinoma. *Nature Genetics*, **2014**, 46, 607-12	36.3	423
73	Histological subtypes of hepatocellular carcinoma are related to gene mutations and molecular tumour classification. *Journal of Hepatology*, **2017**, 67, 727-738	13.4	302
72	Recurrent AAV2-related insertional mutagenesis in human hepatocellular carcinomas. *Nature Genetics*, **2015**, 47, 1187-93	36.3	290
71	DNA methylation-based prognosis and epidrivers in hepatocellular carcinoma. *Hepatology*, **2015**, 61, 1945-56	11.2	237
70	EGFR as a potential therapeutic target for a subset of muscle-invasive bladder cancers presenting a basal-like phenotype. *Science Translational Medicine*, **2014**, 6, 244ra91	17.5	202
69	Molecular Classification of Hepatocellular Adenoma Associates With Risk Factors, Bleeding, and Malignant Transformation. *Gastroenterology*, **2017**, 152, 880-894.e6	13.3	198
68	Genomic profiling of hepatocellular adenomas reveals recurrent FRK-activating mutations and the mechanisms of malignant transformation. *Cancer Cell*, **2014**, 25, 428-41	24.3	198
67	Genotype-phenotype correlation of CTNNB1 mutations reveals different β-catenin activity associated with liver tumor progression. *Hepatology*, **2016**, 64, 2047-2061	11.2	144
66	Mutational signatures reveal the dynamic interplay of risk factors and cellular processes during liver tumorigenesis. *Nature Communications*, **2017**, 8, 1315	17.4	135
65	Multi-omics analysis defines core genomic alterations in pheochromocytomas and paragangliomas. *Nature Communications*, **2015**, 6, 6044	17.4	120
64	Somatic NF1 inactivation is a frequent event in sporadic pheochromocytoma. *Human Molecular Genetics*, **2012**, 21, 5397-405	5.6	111
63	SDHB mutations are associated with response to temozolomide in patients with metastatic pheochromocytoma or paraganglioma. *International Journal of Cancer*, **2014**, 135, 2711-20	7.5	110
62	Oncometabolites-driven tumorigenesis: From genetics to targeted therapy. *International Journal of Cancer*, **2014**, 135, 2237-48	7.5	99
61	Mutational signature analysis identifies MUTYH deficiency in colorectal cancers and adrenocortical carcinomas. *Journal of Pathology*, **2017**, 242, 10-15	9.4	89

60	Analysis of Liver Cancer Cell Lines Identifies Agents With Likely Efficacy Against Hepatocellular Carcinoma and Markers of Response. *Gastroenterology*, **2019**, 157, 760-776	13.3	77
59	Cyclin A2/E1 activation defines a hepatocellular carcinoma subclass with a rearrangement signature of replication stress. *Nature Communications*, **2018**, 9, 5235	17.4	73
58	Germline Mutations in the Mitochondrial 2-Oxoglutarate/Malate Carrier Gene Confer a Predisposition to Metastatic Paragangliomas. *Cancer Research*, **2018**, 78, 1914-1922	10.1	71
57	CDKN2A homozygous deletion is associated with muscle invasion in FGFR3-mutated urothelial bladder carcinoma. *Journal of Pathology*, **2012**, 227, 315-24	9.4	64
56	Modular alpha-helical mimetics with antiviral activity against respiratory syncitial virus. *Journal of the American Chemical Society*, **2006**, 128, 13284-9	16.4	64
55	Recurrent inactivating mutations of ARID2 in non-small cell lung carcinoma. *International Journal of Cancer*, **2013**, 132, 2217-21	7.5	62
54	Clinical Impact of Genomic Diversity From Early to Advanced Hepatocellular Carcinoma. *Hepatology*, **2020**, 71, 164-182	11.2	62
53	Integrated multi-omics analysis of oligodendroglial tumours identifies three subgroups of 1p/19q co-deleted gliomas. *Nature Communications*, **2016**, 7, 11263	17.4	55
52	Contrast enhancement in 1p/19q-codeleted anaplastic oligodendrogliomas is associated with 9p loss, genomic instability, and angiogenic gene expression. *Neuro-Oncology*, **2014**, 16, 662-70	1	55
51	Compliance With Hepatocellular Carcinoma Surveillance Guidelines Associated With Increased Lead-Time Adjusted Survival of Patients With Compensated Viral Cirrhosis: A Multi-Center Cohort Study. *Gastroenterology*, **2018**, 155, 431-442.e10	13.3	53
50	Unsuspected task for an old team: succinate, fumarate and other Krebs cycle acids in metabolic remodeling. *Biochimica Et Biophysica Acta - Bioenergetics*, **2014**, 1837, 1330-7	4.6	53
49	A 17-Beta-Hydroxysteroid Dehydrogenase 13 Variant Protects From Hepatocellular Carcinoma Development in Alcoholic Liver Disease. *Hepatology*, **2019**, 70, 231-240	11.2	51
48	DNA Methylation Profiling in Pheochromocytoma and Paraganglioma Reveals Diagnostic and Prognostic Markers. *Clinical Cancer Research*, **2015**, 21, 3020-30	12.9	44
47	Deciphering the molecular basis of invasiveness in Sdhb-deficient cells. *Oncotarget*, **2015**, 6, 32955-65	3.3	44
46	PNPLA3 and TM6SF2 variants as risk factors of hepatocellular carcinoma across various etiologies and severity of underlying liver diseases. *International Journal of Cancer*, **2019**, 144, 533-544	7.5	43
45	Transethnic, Genome-Wide Analysis Reveals Immune-Related Risk Alleles and Phenotypic Correlates in Pediatric Steroid-Sensitive Nephrotic Syndrome. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 2000-2013	12.7	41
44	Analysis of the copy number profiles of several tumor samples from the same patient reveals the successive steps in tumorigenesis. *Genome Biology*, **2010**, 11, R76	18.3	38
43	Prognostic value of viral eradication for major adverse cardiovascular events in hepatitis C cirrhotic patients. *American Heart Journal*, **2018**, 198, 4-17	4.9	37

42	Adeno-associated virus in the liver: natural history and consequences in tumour development. *Gut*, **2020**, 69, 737-747	19.2	36
41	SNP array profiling of childhood adrenocortical tumors reveals distinct pathways of tumorigenesis and highlights candidate driver genes. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E1284-93	5.6	33
40	TCF12 is mutated in anaplastic oligodendroglioma. *Nature Communications*, **2015**, 6, 7207	17.4	32
39	Hepatitis B virus integrations promote local and distant oncogenic driver alterations in hepatocellular carcinoma. *Gut*, **2021**,	19.2	29
38	Wild-type AAV Insertions in Hepatocellular Carcinoma Do Not Inform Debate Over Genotoxicity Risk of Vectorized AAV. *Molecular Therapy*, **2016**, 24, 660-1	11.7	27
37	Palimpsest: an R package for studying mutational and structural variant signatures along clonal evolution in cancer. *Bioinformatics*, **2018**, 34, 3380-3381	7.2	26
36	Germline and somatic DICER1 mutations in familial and sporadic liver tumors. *Journal of Hepatology* , **2017**, 66, 734-742	13.4	25
35	Argininosuccinate synthase 1 and periportal gene expression in sonic hedgehog hepatocellular adenomas. *Hepatology*, **2018**, 68, 964-976	11.2	25
34	Dual origin of relapses in retinoic-acid resistant acute promyelocytic leukemia. *Nature Communications*, **2018**, 9, 2047	17.4	23
33	TET-Mediated Hypermethylation Primes SDH-Deficient Cells for HIF2α-Driven Mesenchymal Transition. *Cell Reports*, **2020**, 30, 4551-4566.e7	10.6	22
32	Extrahepatic cancers are the leading cause of death in patients achieving hepatitis B virus control or hepatitis C virus eradication. *Hepatology*, **2018**, 68, 1245-1259	11.2	19
31	germline hepatoblastomas demonstrate cisplatin-induced intratumor tertiary lymphoid structures. *OncoImmunology*, **2019**, 8, e1583547	7.2	16
30	Mutational Processes in Hepatocellular Carcinoma: The Story of Aristolochic Acid. *Seminars in Liver Disease*, **2019**, 39, 334-340	7.3	14
29	XAF1 as a modifier of p53 function and cancer susceptibility. *Science Advances*, **2020**, 6, eaba3231	14.3	14
28	Non-virological factors are drivers of hepatocellular carcinoma in virosuppressed hepatitis B cirrhosis: Results of ANRS CO12 CirVir cohort. *Journal of Viral Hepatitis*, **2019**, 26, 384-396	3.4	11
27	Hypermethylator Phenotype and Ectopic GIP Receptor in GNAS Mutation-Negative Somatotropinomas. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 1777-1787	5.6	10
26	Deletion of chromosomes 13q and 14q is a common feature of tumors with BRCA2 mutations. *PLoS ONE*, **2012**, 7, e52079	3.7	10
25	HLA-D and PLA2R1 risk alleles associate with recurrent primary membranous nephropathy in kidney transplant recipients. *Kidney International*, **2021**, 99, 671-685	9.9	10

24	Systemic AA Amyloidosis Caused by Inflammatory Hepatocellular Adenoma. *New England Journal of Medicine*, **2018**, 379, 1178-1180	59.2	10
23	Genomic and Transcriptomic Tumor Heterogeneity in Bilateral Retinoblastoma. *JAMA Ophthalmology*, **2020**, 138, 569-574	3.9	9
22	Identity by descent mapping of founder mutations in cancer using high-resolution tumor SNP data. *PLoS ONE*, **2012**, 7, e35897	3.7	8
21	Recurrent chromosomal rearrangements of , and activating JAK/STAT pathway in inflammatory hepatocellular adenomas. *Gut*, **2020**, 69, 1667-1676	19.2	8
20	Multi-site tumor sampling highlights molecular intra-tumor heterogeneity in malignant pleural mesothelioma. *Genome Medicine*, **2021**, 13, 113	14.4	7
19	DNA Methylation Signatures Reveal the Diversity of Processes Remodeling Hepatocellular Carcinoma Methylomes. *Hepatology*, **2021**, 74, 816-834	11.2	7
18	AAV2 and Hepatocellular Carcinoma. *Human Gene Therapy*, **2016**, 27, 211-3	4.8	6
17	Characterization of the transcriptional and metabolic responses of pediatric high grade gliomas to mTOR-HIF-1 axis inhibition. *Oncotarget*, **2017**, 8, 71597-71617	3.3	6
16	A high-risk retinoblastoma subtype with stemness features, dedifferentiated cone states and neuronal/ganglion cell gene expression. *Nature Communications*, **2021**, 12, 5578	17.4	5
15	H3K27me3 conditions chemotolerance in triple-negative breast cancer.. *Nature Genetics*, **2022**,	36.3	5
14	Combined tumor genomic profiling and exome sequencing in a breast cancer family implicates ATM in tumorigenesis: A proof of principle study. *Genes Chromosomes and Cancer*, **2017**, 56, 788-799	5	4
13	Integrated Genomic Analysis Identifies Driver Genes and Cisplatin-Resistant Progenitor Phenotype in Pediatric Liver Cancer. *Cancer Discovery*, **2021**, 11, 2524-2543	24.4	4
12	Loss of SDHB Promotes Dysregulated Iron Homeostasis, Oxidative Stress, and Sensitivity to Ascorbate. *Cancer Research*, **2021**, 81, 3480-3494	10.1	4
11	aCNViewer: Comprehensive genome-wide visualization of absolute copy number and copy neutral variations. *PLoS ONE*, **2017**, 12, e0189334	3.7	3
10	High-resolution analysis of DNA copy number alterations in rectal cancer: correlation with metastasis, survival, and mRNA expression. *Strahlentherapie Und Onkologie*, **2014**, 190, 1028-36	4.3	3
9	Analysis of the copy number profiles of several tumor samples from the same patient reveals the successive steps in tumorigenesis **2010**, 11, P25		3
8	KDM1A inactivation causes hereditary food-dependent Cushing syndrome.. *Genetics in Medicine*, **2021**,	8.1	2
7	MS.liverK: an R package for transcriptome-based computation of molecular subtypes and functional signatures in liver cancer		2

6	PS-047-HSD17B13 loss of function variant protects from hepatocellular carcinoma developed on alcohol related liver disease. *Journal of Hepatology*, **2019**, 70, e29-e30	13.4	1
5	Whole Exome Analysis of Relapsing Patients with Acute Promyelocytic Leukemia. *Blood*, **2016**, 128, 2892-2892	22	1
4	Common genetic variation in alcohol-related hepatocellular carcinoma: a case-control genome-wide association study.. *Lancet Oncology, The*, **2022**, 23, 161-171	21.7	1
3	H3K27me3 is a determinant of chemotolerance in triple-negative breast cancer		1
2	Comprehensive characterization of viral integrations and genomic aberrations in HBV-infected intrahepatic cholangiocarcinomas. *Hepatology*, **2021**,	11.2	1
1	Structure, Dynamics, and Impact of Replication Stress-Induced Structural Variants in Hepatocellular Carcinoma.. *Cancer Research*, **2022**, 82, 1470-1481	10.1	