

Sandrine Imbeaud

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.

86
papers

14,640
citations

46
h-index

89
g-index

89
ext. papers

17,693
ext. citations

11
avg, IF

5.38
L-index

#	Paper	IF	Citations
86	Signatures of mutational processes in human cancer. <i>Nature</i> , 2013 , 500, 415-21	50.4	5895
85	Integrated analysis of somatic mutations and focal copy-number changes identifies key genes and pathways in hepatocellular carcinoma. <i>Nature Genetics</i> , 2012 , 44, 694-8	36.3	996
84	Exome sequencing of hepatocellular carcinomas identifies new mutational signatures and potential therapeutic targets. <i>Nature Genetics</i> , 2015 , 47, 505-511	36.3	956
83	Hepatocellular adenoma subtype classification using molecular markers and immunohistochemistry. <i>Hepatology</i> , 2007 , 46, 740-8	11.2	466
82	Frequent in-frame somatic deletions activate gp130 in inflammatory hepatocellular tumours. <i>Nature</i> , 2009 , 457, 200-4	50.4	393
81	Towards standardization of RNA quality assessment using user-independent classifiers of microcapillary electrophoresis traces. <i>Nucleic Acids Research</i> , 2005 , 33, e56	20.1	379
80	Histological subtypes of hepatocellular carcinoma are related to gene mutations and molecular tumour classification. <i>Journal of Hepatology</i> , 2017 , 67, 727-738	13.4	302
79	Recurrent AAV2-related insertional mutagenesis in human hepatocellular carcinomas. <i>Nature Genetics</i> , 2015 , 47, 1187-93	36.3	290
78	Integrative annotation of 21,037 human genes validated by full-length cDNA clones. <i>PLoS Biology</i> , 2004 , 2, e162	9.7	255
77	A hepatocellular carcinoma 5-gene score associated with survival of patients after liver resection. <i>Gastroenterology</i> , 2013 , 145, 176-187	13.3	254
76	DNA methylation-based prognosis and epidrivers in hepatocellular carcinoma. <i>Hepatology</i> , 2015 , 61, 1945-56	11.2	237
75	Systems analysis of transcriptome and proteome in retinoic acid/arsenic trioxide-induced cell differentiation/apoptosis of promyelocytic leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7653-8	11.5	208
74	Molecular Classification of Hepatocellular Adenoma Associates With Risk Factors, Bleeding, and Malignant Transformation. <i>Gastroenterology</i> , 2017 , 152, 880-894.e6	13.3	198
73	Genomic profiling of hepatocellular adenomas reveals recurrent FRK-activating mutations and the mechanisms of malignant transformation. <i>Cancer Cell</i> , 2014 , 25, 428-41	24.3	198
72	Insensitivity to anti-müllerian hormone due to a mutation in the human anti-müllerian hormone receptor. <i>Nature Genetics</i> , 1995 , 11, 382-8	36.3	185
71	Global analysis of extracytoplasmic stress signaling in Escherichia coli. <i>PLoS Genetics</i> , 2009 , 5, e1000651	6	170
70	A MYC-aurora kinase A protein complex represents an actionable drug target in p53-altered liver cancer. <i>Nature Medicine</i> , 2016 , 22, 744-53	50.5	159

69	Anti-müllerian hormone: the Jost factor. <i>Endocrine Reviews</i> , 1993 , 48, 1-59		149
68	Genotype-phenotype correlation of CTNNB1 mutations reveals different β-catenin activity associated with liver tumor progression. <i>Hepatology</i> , 2016 , 64, 2047-2061	11.2	144
67	Tissue metabolomics of hepatocellular carcinoma: tumor energy metabolism and the role of transcriptomic classification. <i>Hepatology</i> , 2013 , 58, 229-38	11.2	141
66	Mutational signatures reveal the dynamic interplay of risk factors and cellular processes during liver tumorigenesis. <i>Nature Communications</i> , 2017 , 8, 1315	17.4	135
65	Integration of tumour and viral genomic characterizations in HBV-related hepatocellular carcinomas. <i>Gut</i> , 2015 , 64, 820-9	19.2	101
64	HNF1α inactivation promotes lipogenesis in human hepatocellular adenoma independently of SREBP-1 and carbohydrate-response element-binding protein (ChREBP) activation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14437-46	5.4	100
63	DYRK1A interacts with the REST/NRSF-SWI/SNF chromatin remodelling complex to deregulate gene clusters involved in the neuronal phenotypic traits of Down syndrome. <i>Human Molecular Genetics</i> , 2009 , 18, 1405-14	5.6	98
62	Deciphering cellular states of innate tumor drug responses. <i>Genome Biology</i> , 2006 , 7, R19	18.3	97
61	Molecular classification of malignant pleural mesothelioma: identification of a poor prognosis subgroup linked to the epithelial-to-mesenchymal transition. <i>Clinical Cancer Research</i> , 2014 , 20, 1323-34	12.9	91
60	From functional genomics to systems biology: concepts and practices. <i>Comptes Rendus - Biologies</i> , 2003 , 326, 879-92	1.4	85
59	Unique genomic profile of fibrolamellar hepatocellular carcinoma. <i>Gastroenterology</i> , 2015 , 148, 806-18.e103	11.3	81
58	Coordination of intrinsic, extrinsic, and endoplasmic reticulum-mediated apoptosis by imatinib mesylate combined with arsenic trioxide in chronic myeloid leukemia. <i>Blood</i> , 2006 , 107, 1582-90	2.2	81
57	Analysis of Liver Cancer Cell Lines Identifies Agents With Likely Efficacy Against Hepatocellular Carcinoma and Markers of Response. <i>Gastroenterology</i> , 2019 , 157, 760-776	13.3	77
56	Hsa-miR-31-3p expression is linked to progression-free survival in patients with KRAS wild-type metastatic colorectal cancer treated with anti-EGFR therapy. <i>Clinical Cancer Research</i> , 2014 , 20, 3338-47	12.9	77
55	Cyclin A2/E1 activation defines a hepatocellular carcinoma subclass with a rearrangement signature of replication stress. <i>Nature Communications</i> , 2018 , 9, 5235	17.4	73
54	The beta-catenin pathway is activated in focal nodular hyperplasia but not in cirrhotic FNH-like nodules. <i>Journal of Hepatology</i> , 2008 , 49, 61-71	13.4	71
53	SMARCA2 and other genome-wide supported schizophrenia-associated genes: regulation by REST/NRSF, network organization and primate-specific evolution. <i>Human Molecular Genetics</i> , 2010 , 19, 2841-57	5.6	70
52	Identification of novel oncogenes and tumor suppressors in hepatocellular carcinoma. <i>Seminars in Liver Disease</i> , 2010 , 30, 75-86	7.3	70

51	Comparative transcriptomic analysis of salt adaptation in roots of contrasting <i>Medicago truncatula</i> genotypes. <i>Molecular Plant</i> , 2012 , 5, 1068-81	14.4	66
50	Recurrent inactivating mutations of ARID2 in non-small cell lung carcinoma. <i>International Journal of Cancer</i> , 2013 , 132, 2217-21	7.5	62
49	Clinical Impact of Genomic Diversity From Early to Advanced Hepatocellular Carcinoma. <i>Hepatology</i> , 2020 , 71, 164-182	11.2	62
48	Surgical and genetic aspects of persistent müllerian duct syndrome. <i>Journal of Pediatric Surgery</i> , 1994 , 29, 61-5	2.6	61
47	The 39 stepsSin gene expression profiling: critical issues and proposed best practices for microarray experiments. <i>Drug Discovery Today</i> , 2005 , 10, 1175-82	8.8	59
46	The H-Invitational Database (H-InvDB), a comprehensive annotation resource for human genes and transcripts. <i>Nucleic Acids Research</i> , 2008 , 36, D793-9	20.1	52
45	Loss of hepatocyte nuclear factor 1alpha function in human hepatocellular adenomas leads to aberrant activation of signaling pathways involved in tumorigenesis. <i>Hepatology</i> , 2010 , 51, 557-66	11.2	50
44	Proliferation Markers Are Associated with MET Expression in Hepatocellular Carcinoma and Predict Tivantinib Sensitivity. <i>Clinical Cancer Research</i> , 2017 , 23, 4364-4375	12.9	49
43	Functional coupling of adenine nucleotide translocase and mitochondrial creatine kinase is enhanced after exercise training in lung transplant skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R1144-54	3.2	49
42	Clinical aspects and molecular genetics of the persistent müllerian duct syndrome. <i>Clinical Endocrinology</i> , 1997 , 47, 137-44	3.4	47
41	Variants of the anti-Müllerian hormone gene in a compound heterozygote with the persistent Müllerian duct syndrome and his family. <i>Human Genetics</i> , 1992 , 90, 389-94	6.3	47
40	Genome-wide gene expression profiling of fertilization competent mycelium in opposite mating types in the heterothallic fungus <i>Podospora anserina</i> . <i>PLoS ONE</i> , 2011 , 6, e21476	3.7	44
39	PNPLA3 and TM6SF2 variants as risk factors of hepatocellular carcinoma across various etiologies and severity of underlying liver diseases. <i>International Journal of Cancer</i> , 2019 , 144, 533-544	7.5	43
38	Epithelial-to-Mesenchymal Transition and MicroRNAs in Lung Cancer. <i>Cancers</i> , 2017 , 9,	6.6	42
37	Response of human renal tubular cells to cyclosporine and sirolimus: a toxicogenomic study. <i>Toxicology and Applied Pharmacology</i> , 2008 , 229, 184-96	4.6	41
36	Genetic alterations of malignant pleural mesothelioma: association with tumor heterogeneity and overall survival. <i>Molecular Oncology</i> , 2020 , 14, 1207-1223	7.9	38
35	Mutant isoforms of the anti-Müllerian hormone type II receptor are not expressed at the cell membrane. <i>Journal of Biological Chemistry</i> , 1996 , 271, 30571-5	5.4	36
34	Adeno-associated virus in the liver: natural history and consequences in tumour development. <i>Gut</i> , 2020 , 69, 737-747	19.2	36

33	Identification of molecular pathways involved in oxaliplatin-associated sinusoidal dilatation. <i>Journal of Hepatology</i> , 2012 , 56, 869-76	13.4	33
32	Hepatitis B virus integrations promote local and distant oncogenic driver alterations in hepatocellular carcinoma. <i>Gut</i> , 2021 ,	19.2	29
31	A functional and regulatory network associated with PIP expression in human breast cancer. <i>PLoS ONE</i> , 2009 , 4, e4696	3.7	28
30	Wild-type AAV Insertions in Hepatocellular Carcinoma Do Not Inform Debate Over Genotoxicity Risk of Vectorized AAV. <i>Molecular Therapy</i> , 2016 , 24, 660-1	11.7	27
29	The persistent müllerian duct syndrome: a rare cause of cryptorchidism. <i>European Journal of Pediatrics</i> , 1993 , 152 Suppl 2, S76-8	4.1	26
28	Palimpsest: an R package for studying mutational and structural variant signatures along clonal evolution in cancer. <i>Bioinformatics</i> , 2018 , 34, 3380-3381	7.2	26
27	Germline and somatic DICER1 mutations in familial and sporadic liver tumors. <i>Journal of Hepatology</i> , 2017 , 66, 734-742	13.4	25
26	XX sex reversal, palmoplantar keratoderma, and predisposition to squamous cell carcinoma: genetic analysis in one family. <i>American Journal of Medical Genetics, Part A</i> , 2005 , 138A, 241-6	2.5	25
25	Next-generation sequencing identified new oncogenes and tumor suppressor genes in human hepatic tumors. <i>Oncotmunology</i> , 2012 , 1, 1612-1613	7.2	22
24	Self-organized living systems: conjunction of a stable organization with chaotic fluctuations in biological space-time. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003 , 361, 1125-39	3	21
23	BAP1 mutations define a homogeneous subgroup of hepatocellular carcinoma with fibrolamellar-like features and activated PKA. <i>Journal of Hepatology</i> , 2020 , 72, 924-936	13.4	18
22	Increased growth rate of vestibular schwannoma after resection of contralateral tumor in neurofibromatosis type 2. <i>Neuro-Oncology</i> , 2011 , 13, 1125-32	1	17
21	Autosomal recessive segregation of a truncating mutation of anti-Müllerian type II receptor in a family affected by the persistent Müllerian duct syndrome contrasts with its dominant negative activity in vitro. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 4390-7	5.6	17
20	germline hepatoblastomas demonstrate cisplatin-induced intratumor tertiary lymphoid structures. <i>Oncotmunology</i> , 2019 , 8, e1583547	7.2	16
19	The Human Anatomic Gene Expression Library (H-ANGEL), the H-Inv integrative display of human gene expression across disparate technologies and platforms. <i>Nucleic Acids Research</i> , 2005 , 33, D567-72	20.1	16
18	A general framework for optimization of probes for gene expression microarray and its application to the fungus <i>Podospora anserina</i> . <i>BMC Research Notes</i> , 2010 , 3, 171	2.3	15
17	Testicular degeneration in three patients with the persistent müllerian duct syndrome. <i>European Journal of Pediatrics</i> , 1995 , 154, 187-90	4.1	14
16	Mutations in the <i>Saccharomyces cerevisiae</i> kinase Cbk1p lead to a fertility defect that can be suppressed by the absence of Brr1p or Mpt5p (Puf5p), proteins involved in RNA metabolism. <i>Genetics</i> , 2009 , 183, 161-73	4	11

15	Adeno-associated virus type 2 as an oncogenic virus in human hepatocellular carcinoma. <i>Molecular and Cellular Oncology</i> , 2016 , 3, e1095271	1.2	11
14	AuthorsResponse: virus-host interactions in HBV-related hepatocellular carcinoma: more to be revealed?. <i>Gut</i> , 2015 , 64, 853-4	19.2	9
13	Hepatocellular Carcinomas With Mutational Activation of Beta-Catenin Require Choline and Can Be Detected by Positron Emission Tomography. <i>Gastroenterology</i> , 2019 , 157, 807-822	13.3	8
12	Recurrent chromosomal rearrangements of , and activating JAK/STAT pathway in inflammatory hepatocellular adenomas. <i>Gut</i> , 2020 , 69, 1667-1676	19.2	8
11	Genomic consequences of cytochrome P450 2C9 overexpression in human hepatoma cells. <i>Chemical Research in Toxicology</i> , 2009 , 22, 779-87	4	7
10	Functional study of the Hap4-like genes suggests that the key regulators of carbon metabolism HAP4 and oxidative stress response YAP1 in yeast diverged from a common ancestor. <i>PLoS ONE</i> , 2014 , 9, e112263	3.7	7
9	DNA Methylation Signatures Reveal the Diversity of Processes Remodeling Hepatocellular Carcinoma Methyomes. <i>Hepatology</i> , 2021 , 74, 816-834	11.2	7
8	AAV2 and Hepatocellular Carcinoma. <i>Human Gene Therapy</i> , 2016 , 27, 211-3	4.8	6
7	aCNViewer: Comprehensive genome-wide visualization of absolute copy number and copy neutral variations. <i>PLoS ONE</i> , 2017 , 12, e0189334	3.7	3
6	Netrin G1: its downregulation in the nucleus accumbens of cocaine-conditioned mice and genetic association in human cocaine dependence. <i>Addiction Biology</i> , 2018 , 23, 448-460	4.6	3
5	INCONSISTENCIES BETWEEN MAPS OF HUMAN CHROMOSOME 22 CORRELATE WITH INCREASED FREQUENCY OF DISEASE-RELATED LOCI. <i>Journal of Biological Systems</i> , 2002 , 10, 303-317	1.6	2
4	The Gene for Anti-Müllerian Hormone 1994 , 439-455		1
3	Common genetic variation in alcohol-related hepatocellular carcinoma: a case-control genome-wide association study.. <i>Lancet Oncology, The</i> , 2022 , 23, 161-171	21.7	1
2	Issues in Computational Methods for Functional Genomics and Systems Biology. <i>Lecture Notes in Computer Science</i> , 2003 , 182-186	0.9	0
1	Structure, Dynamics, and Impact of Replication Stress-Induced Structural Variants in Hepatocellular Carcinoma.. <i>Cancer Research</i> , 2022 , 82, 1470-1481	10.1	