

# Sandrine Imbeaud

## List of Publications by Year in descending order

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87  
papers

19,661  
citations

36271

51  
h-index

53190

85  
g-index

89  
all docs

89  
docs citations

89  
times ranked

33039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Signatures of mutational processes in human cancer. <i>Nature</i> , 2013, 500, 415-421.	13.7	8,060
2	Exome sequencing of hepatocellular carcinomas identifies new mutational signatures and potential therapeutic targets. <i>Nature Genetics</i> , 2015, 47, 505-511.	9.4	1,372
3	Integrated analysis of somatic mutations and focal copy-number changes identifies key genes and pathways in hepatocellular carcinoma. <i>Nature Genetics</i> , 2012, 44, 694-698.	9.4	1,229
4	Hepatocellular adenoma subtype classification using molecular markers and immunohistochemistry. <i>Hepatology</i> , 2007, 46, 740-748.	3.6	554
5	Histological subtypes of hepatocellular carcinoma are related to gene mutations and molecular tumour classification. <i>Journal of Hepatology</i> , 2017, 67, 727-738.	1.8	525
6	Towards standardization of RNA quality assessment using user-independent classifiers of microcapillary electrophoresis traces. <i>Nucleic Acids Research</i> , 2005, 33, e56-e56.	6.5	437
7	Frequent in-frame somatic deletions activate gp130 in inflammatory hepatocellular tumours. <i>Nature</i> , 2009, 457, 200-204.	13.7	437
8	Recurrent AAV2-related insertional mutagenesis in human hepatocellular carcinomas. <i>Nature Genetics</i> , 2015, 47, 1187-1193.	9.4	387
9	DNA methylation-based prognosis and epidrivers in hepatocellular carcinoma. <i>Hepatology</i> , 2015, 61, 1945-1956.	3.6	367
10	A Hepatocellular Carcinoma 5-Gene Score Associated With Survival of Patients After Liver Resection. <i>Gastroenterology</i> , 2013, 145, 176-187.	0.6	302
11	Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. <i>PLoS Biology</i> , 2004, 2, e162.	2.6	290
12	Molecular Classification of Hepatocellular Adenoma Associates With Risk Factors, Bleeding, and Malignant Transformation. <i>Gastroenterology</i> , 2017, 152, 880-894.e6.	0.6	290
13	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, 7653-7658.	3.3	240
14	Genomic Profiling of Hepatocellular Adenomas Reveals Recurrent FRK-Activating Mutations and the Mechanisms of Malignant Transformation. <i>Cancer Cell</i> , 2014, 25, 428-441.	7.7	240
15	Mutational signatures reveal the dynamic interplay of risk factors and cellular processes during liver tumorigenesis. <i>Nature Communications</i> , 2017, 8, 1315.	5.8	228
16	Genotype-phenotype correlation of CTNNB1 mutations reveals different $\beta$ -catenin activity associated with liver tumor progression. <i>Hepatology</i> , 2016, 64, 2047-2061.	3.6	222
17	Insensitivity to anti-allergic hormone due to a mutation in the human anti-allergic hormone receptor. <i>Nature Genetics</i> , 1995, 11, 382-388.	9.4	212
18	Global Analysis of Extracytoplasmic Stress Signaling in <i>Escherichia coli</i> . <i>PLoS Genetics</i> , 2009, 5, e1000651.	1.5	209

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19	A MYC-aurora kinase A protein complex represents an actionable drug target in p53-altered liver cancer. <i>Nature Medicine</i> , 2016, 22, 744-753.	15.2	207
20	Anti-Müllerian Hormone: The Jost Factor. , 1993, 48, 1-59.		195
21	Tissue metabolomics of hepatocellular carcinoma: Tumor energy metabolism and the role of transcriptomic classification. <i>Hepatology</i> , 2013, 58, 229-238.	3.6	172
22	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.	0.6	141
23	Clinical Impact of Genomic Diversity From Early to Advanced Hepatocellular Carcinoma. <i>Hepatology</i> , 2020, 71, 164-182.	3.6	129
24	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, 1405-1414.	1.4	128
25	Integration of tumour and viral genomic characterisations in HBV-related hepatocellular carcinomas. <i>Gut</i> , 2015, 64, 820-829.	6.1	127
26	HNF1 $\alpha$ 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, 14437-14446.	1.6	123
27	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, 1323-1334.	3.2	121
28	Cyclin A2/E1 activation defines a hepatocellular carcinoma subclass with a rearrangement signature of replication stress. <i>Nature Communications</i> , 2018, 9, 5235.	5.8	118
29	Deciphering cellular states of innate tumor drug responses. <i>Genome Biology</i> , 2006, 7, R19.	13.9	110
30	Unique Genomic Profile of Fibrolamellar Hepatocellular Carcinoma. <i>Gastroenterology</i> , 2015, 148, 806-818.e10.	0.6	109
31	Hepatitis B virus integrations promote local and distant oncogenic driver alterations in hepatocellular carcinoma. <i>Gut</i> , 2022, 71, 616-626.	6.1	106
32	From functional genomics to systems biology: concepts and practices. <i>Comptes Rendus - Biologies</i> , 2003, 326, 879-892.	0.1	103
33	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, 3338-3347.	3.2	98
34	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, 1582-1590.	0.6	91
35	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.	1.8	87
36	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, 2841-2857.	1.4	78

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37	Adeno-associated virus in the liver: natural history and consequences in tumour development. <i>Gut</i> , 2020, 69, 737-747.	6.1	78
38	Identification of Novel Oncogenes and Tumor Suppressors in Hepatocellular Carcinoma. <i>Seminars in Liver Disease</i> , 2010, 30, 075-086.	1.8	75
39	Comparative Transcriptomic Analysis of Salt Adaptation in Roots of Contrasting <i>Medicago truncatula</i> Genotypes. <i>Molecular Plant</i> , 2012, 5, 1068-1081.	3.9	75
40	Genetic alterations of malignant pleural mesothelioma: association with tumor heterogeneity and overall survival. <i>Molecular Oncology</i> , 2020, 14, 1207-1223.	2.1	74
41	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.	2.3	72
42	Surgical and genetic aspects of persistent müllerian duct syndrome. <i>Journal of Pediatric Surgery</i> , 1994, 29, 61-65.	0.8	71
43	Recurrent inactivating mutations of <i>ARID2</i> in non-small cell lung carcinoma. <i>International Journal of Cancer</i> , 2013, 132, 2217-2221.	2.3	70
44	Loss of hepatocyte nuclear factor 1 $\beta$ function in human hepatocellular adenomas leads to aberrant activation of signaling pathways involved in tumorigenesis. <i>Hepatology</i> , 2010, 51, 557-566.	3.6	66
45	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.	1.8	61
46	“The 39 steps”™ in gene expression profiling: critical issues and proposed best practices for microarray experiments. <i>Drug Discovery Today</i> , 2005, 10, 1175-1182.	3.2	61
47	Clinical aspects and molecular genetics of the persistent müllerian duct syndrome. <i>Clinical Endocrinology</i> , 1997, 47, 137-144.	1.2	58
48	The H-Invitational Database (H-InvDB), a comprehensive annotation resource for human genes and transcripts. <i>Nucleic Acids Research</i> , 2007, 36, D793-D799.	6.5	57
49	Proliferation Markers Are Associated with MET Expression in Hepatocellular Carcinoma and Predict Tivantinib Sensitivity <i>In Vitro</i> . <i>Clinical Cancer Research</i> , 2017, 23, 4364-4375.	3.2	57
50	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-R1154.	0.9	56
51	Epithelial-to-Mesenchymal Transition and MicroRNAs in Lung Cancer. <i>Cancers</i> , 2017, 9, 101.	1.7	56
52	Identification of molecular pathways involved in oxaliplatin-associated sinusoidal dilatation. <i>Journal of Hepatology</i> , 2012, 56, 869-876.	1.8	53
53	Palimpsest: an R package for studying mutational and structural variant signatures along clonal evolution in cancer. <i>Bioinformatics</i> , 2018, 34, 3380-3381.	1.8	53
54	Response of human renal tubular cells to cyclosporine and sirolimus: A toxicogenomic study. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 184-196.	1.3	51

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55	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.	1.1	51
56	Mutant Isoforms of the Anti-M $\beta$ 1/4llerian Hormone Type II Receptor Are Not Expressed at the Cell Membrane. <i>Journal of Biological Chemistry</i> , 1996, 271, 30571-30575.	1.6	44
57	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.	1.8	44
58	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, 241-246.	0.7	37
59	Common genetic variation in alcohol-related hepatocellular carcinoma: a case-control genome-wide association study. <i>Lancet Oncology, The</i> , 2022, 23, 161-171.	5.1	36
60	Wild-type AAV Insertions in Hepatocellular Carcinoma Do Not Inform Debate Over Genotoxicity Risk of Vectorized AAV. <i>Molecular Therapy</i> , 2016, 24, 660-661.	3.7	33
61	A Functional and Regulatory Network Associated with PIP Expression in Human Breast Cancer. <i>PLoS ONE</i> , 2009, 4, e4696.	1.1	31
62	Germline and somatic DICER1 mutations in familial and sporadic liver tumors. <i>Journal of Hepatology</i> , 2017, 66, 734-742.	1.8	31
63	<i>APC</i> germline hepatoblastomas demonstrate cisplatin-induced intratumor tertiary lymphoid structures. <i>Oncolmmunology</i> , 2019, 8, e1583547.	2.1	31
64	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, 1125-1139.	1.6	29
65	The persistent M $\beta$ 1/4llerian duct syndrome: A rare cause of cryptorchidism. <i>European Journal of Pediatrics</i> , 1993, 152, S76-S78.	1.3	28
66	Testicular degeneration in three patients with the persistent m $\beta$ 1/4llerian duct syndrome. <i>European Journal of Pediatrics</i> , 1995, 154, 187-190.	1.3	27
67	Next-generationsequencing identified new oncogenes and tumor suppressor genes in human hepatic tumors. <i>Oncolmmunology</i> , 2012, 1, 1612-1613.	2.1	24
68	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.	0.6	22
69	Autosomal Recessive Segregation of a Truncating Mutation of Anti-M $\beta$ 1/4llerian Type II Receptor in a Family Affected by the Persistent M $\beta$ 1/4llerian Duct Syndrome Contrasts with Its Dominant Negative Activityin Vitro. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4390-4397.	1.8	20
70	DNA Methylation Signatures Reveal the Diversity of Processes Remodeling Hepatocellular Carcinoma Methylomes. <i>Hepatology</i> , 2021, 74, 816-834.	3.6	20
71	Increased growth rate of vestibular schwannoma after resection of contralateral tumor in neurofibromatosis type 2. <i>Neuro-Oncology</i> , 2011, 13, 1125-1132.	0.6	19
72	Recurrent chromosomal rearrangements of <i>ROS1</i> , <i>FRK</i> and <i>IL6</i> activating JAK/STAT pathway in inflammatory hepatocellular adenomas. <i>Gut</i> , 2020, 69, 1667-1676.	6.1	17

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73	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> , 2004, 33, D567-D572.	6.5	16
74	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.	0.6	16
75	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, 161-173.	1.2	13
76	Adeno-associated virus type 2 as an oncogenic virus in human hepatocellular carcinoma. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1095271.	0.3	12
77	Authors'™ response: virus's host interactions in HBV-related hepatocellular carcinoma: more to be revealed?. <i>Gut</i> , 2015, 64, 853-854.	6.1	11
78	Functional Annotation: Extracting functional and regulatory order from microarrays. <i>Molecular Systems Biology</i> , 2005, 1, 2005.0009.	3.2	8
79	Genomic Consequences of Cytochrome P450 2C9 Overexpression in Human Hepatoma Cells. <i>Chemical Research in Toxicology</i> , 2009, 22, 779-787.	1.7	8
80	AAV2 and Hepatocellular Carcinoma. <i>Human Gene Therapy</i> , 2016, 27, 211-213.	1.4	8
81	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.	1.1	8
82	aCNViewer: Comprehensive genome-wide visualization of absolute copy number and copy neutral variations. <i>PLoS ONE</i> , 2017, 12, e0189334.	1.1	5
83	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.	1.4	3
84	The Gene for Anti-Müllerian Hormone. , 1994, , 439-455.		2
85	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.	0.5	2
86	Abstract 112: Genetic alterations in molecular tumor subgroups of malignant pleural mesothelioma. , 2016, , .		1
87	Structure, Dynamics, and Impact of Replication Stress-Induced Structural Variants in Hepatocellular Carcinoma. <i>Cancer Research</i> , 2022, 82, 1470-1481.	0.4	0