

# Sandrine Imbeaud

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1648099/publications.pdf>

Version: 2024-02-01

87  
papers

19,661  
citations

36203

51  
h-index

53109

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       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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 $\alpha$ 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 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's 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-M's Allergic 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's Induced Structural Variants in Hepatocellular Carcinoma. <i>Cancer Research</i> , 2022, 82, 1470-1481.   | 0.4 | 0         |