

Francisco Sanchez-Vega

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

18,893
citations

101384

36
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98622

67
g-index

71
all docs

71
docs citations

71
times ranked

29360
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Molecular Taxonomy of Primary Prostate Cancer. <i>Cell</i> , 2015, 163, 1011-1025. | 13.5 | 2,435 |
| 2 | Oncogenic Signaling Pathways in The Cancer Genome Atlas. <i>Cell</i> , 2018, 173, 321-337.e10. | 13.5 | 2,111 |
| 3 | Comprehensive Molecular Characterization of Muscle-Invasive Bladder Cancer. <i>Cell</i> , 2017, 171, 540-556.e25. | 13.5 | 1,742 |
| 4 | Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. <i>Cell</i> , 2018, 173, 291-304.e6. | 13.5 | 1,718 |
| 5 | Comprehensive Characterization of Cancer Driver Genes and Mutations. <i>Cell</i> , 2018, 173, 371-385.e18. | 13.5 | 1,670 |
| 6 | Molecular Determinants of Response to Anti-Programmed Cell Death (PD)-1 and Anti-Programmed Death-Ligand 1 (PD-L1) Blockade in Patients With Non-Small-Cell Lung Cancer Profiled With Targeted Next-Generation Sequencing. <i>Journal of Clinical Oncology</i> , 2018, 36, 633-641. | 0.8 | 1,109 |
| 7 | Genomic Features of Response to Combination Immunotherapy in Patients with Advanced Non-Small-Cell Lung Cancer. <i>Cancer Cell</i> , 2018, 33, 843-852.e4. | 7.7 | 827 |
| 8 | Genomic and Functional Approaches to Understanding Cancer Aneuploidy. <i>Cancer Cell</i> , 2018, 33, 676-689.e3. | 7.7 | 750 |
| 9 | Comprehensive and Integrated Genomic Characterization of Adult Soft Tissue Sarcomas. <i>Cell</i> , 2017, 171, 950-965.e28. | 13.5 | 738 |
| 10 | Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. <i>Cancer Cell</i> , 2018, 33, 125-136.e3. | 7.7 | 589 |
| 11 | Integrative Molecular Characterization of Malignant Pleural Mesothelioma. <i>Cancer Discovery</i> , 2018, 8, 1548-1565. | 7.7 | 422 |
| 12 | Comparative Molecular Analysis of Gastrointestinal Adenocarcinomas. <i>Cancer Cell</i> , 2018, 33, 721-735.e8. | 7.7 | 396 |
| 13 | Integrated Molecular Characterization of Testicular Germ Cell Tumors. <i>Cell Reports</i> , 2018, 23, 3392-3406. | 2.9 | 324 |
| 14 | Effects of Co-occurring Genomic Alterations on Outcomes in Patients with KRAS-Mutant Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 334-340. | 3.2 | 323 |
| 15 | A rectal cancer organoid platform to study individual responses to chemoradiation. <i>Nature Medicine</i> , 2019, 25, 1607-1614. | 15.2 | 320 |
| 16 | Loss of the FAT1 Tumor Suppressor Promotes Resistance to CDK4/6 Inhibitors via the Hippo Pathway. <i>Cancer Cell</i> , 2018, 34, 893-905.e8. | 7.7 | 307 |
| 17 | Genetic Predictors of Response to Systemic Therapy in Esophagogastric Cancer. <i>Cancer Discovery</i> , 2018, 8, 49-58. | 7.7 | 275 |
| 18 | Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. <i>Cell</i> , 2018, 173, 305-320.e10. | 13.5 | 272 |

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|----|---|------|-----------|
| 19 | Tumor Mutation Burden and Efficacy of EGFR-Tyrosine Kinase Inhibitors in Patients with EGFR-Mutant Lung Cancers. <i>Clinical Cancer Research</i> , 2019, 25, 1063-1069. | 3.2 | 257 |
| 20 | Genomic characterization of metastatic patterns from prospective clinical sequencing of 25,000 patients. <i>Cell</i> , 2022, 185, 563-575.e11. | 13.5 | 223 |
| 21 | Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. <i>Cell Reports</i> , 2018, 23, 172-180.e3. | 2.9 | 119 |
| 22 | Mismatch Repair-Deficient Rectal Cancer and Resistance to Neoadjuvant Chemotherapy. <i>Clinical Cancer Research</i> , 2020, 26, 3271-3279. | 3.2 | 118 |
| 23 | EGFR and MET Amplifications Determine Response to HER2 Inhibition in ERBB2-Amplified Esophagogastric Cancer. <i>Cancer Discovery</i> , 2019, 9, 199-209. | 7.7 | 115 |
| 24 | Assessment of Hepatic Arterial Infusion of Floxuridine in Combination With Systemic Gemcitabine and Oxaliplatin in Patients With Unresectable Intrahepatic Cholangiocarcinoma. <i>JAMA Oncology</i> , 2020, 6, 60. | 3.4 | 112 |
| 25 | KMT2C mediates the estrogen dependence of breast cancer through regulation of ER α enhancer function. <i>Oncogene</i> , 2018, 37, 4692-4710. | 2.6 | 102 |
| 26 | The SS18-SSX Oncoprotein Hijacks KDM2B-PRC1.1 to Drive Synovial Sarcoma. <i>Cancer Cell</i> , 2018, 33, 527-541.e8. | 7.7 | 99 |
| 27 | Conditional Selection of Genomic Alterations Dictates Cancer Evolution and Oncogenic Dependencies. <i>Cancer Cell</i> , 2017, 32, 155-168.e6. | 7.7 | 93 |
| 28 | The Underlying Tumor Genomics of Predominant Histologic Subtypes in Lung Adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2020, 15, 1844-1856. | 0.5 | 83 |
| 29 | Clinical sequencing of soft tissue and bone sarcomas delineates diverse genomic landscapes and potential therapeutic targets. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 63 |
| 30 | Harmonization of Tumor Mutational Burden Quantification and Association With Response to Immune Checkpoint Blockade in Non-Small-Cell Lung Cancer. <i>JCO Precision Oncology</i> , 2019, 3, 1-12. | 1.5 | 58 |
| 31 | Genomic profiling identifies somatic mutations predicting thromboembolic risk in patients with solid tumors. <i>Blood</i> , 2021, 137, 2103-2113. | 0.6 | 57 |
| 32 | CDK4/6 or MAPK blockade enhances efficacy of EGFR inhibition in oesophageal squamous cell carcinoma. <i>Nature Communications</i> , 2017, 8, 13897. | 5.8 | 54 |
| 33 | Recurrent patterns of DNA methylation in the ZNF154, CASP8, and VHL promoters across a wide spectrum of human solid epithelial tumors and cancer cell lines. <i>Epigenetics</i> , 2013, 8, 1355-1372. | 1.3 | 52 |
| 34 | The RNA-editing enzyme ADAR promotes lung adenocarcinoma migration and invasion by stabilizing FAK. <i>Science Signaling</i> , 2017, 10, . | 1.6 | 52 |
| 35 | A Genomic-Pathologic Annotated Risk Model to Predict Recurrence in Early-Stage Lung Adenocarcinoma. <i>JAMA Surgery</i> , 2021, 156, e205601. | 2.2 | 52 |
| 36 | Pan-cancer stratification of solid human epithelial tumors and cancer cell lines reveals commonalities and tissue-specific features of the CpG island methylator phenotype. <i>Epigenetics and Chromatin</i> , 2015, 8, 14. | 1.8 | 42 |

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|----|--|-----|-----------|
| 37 | Early TP53 alterations engage environmental exposures to promote gastric premalignancy in an integrative mouse model. <i>Nature Genetics</i> , 2020, 52, 219-230. | 9.4 | 37 |
| 38 | Intraoperative opioid exposure, tumour genomic alterations, and survival differences in people with lung adenocarcinoma. <i>British Journal of Anaesthesia</i> , 2021, 127, 75-84. | 1.5 | 33 |
| 39 | A Multi-Method Approach for Proteomic Network Inference in 11 Human Cancers. <i>PLoS Computational Biology</i> , 2016, 12, e1004765. | 1.5 | 32 |
| 40 | Abnormal oxidative metabolism in a quiet genomic background underlies clear cell papillary renal cell carcinoma. <i>ELife</i> , 2019, 8, . | 2.8 | 31 |
| 41 | Analysis of Tumor Genomic Pathway Alterations Using Broad-Panel Next-Generation Sequencing in Surgically Resected Lung Adenocarcinoma. <i>Clinical Cancer Research</i> , 2019, 25, 7475-7484. | 3.2 | 30 |
| 42 | Recurrent, truncating <i>SOX9</i> mutations are associated with <i>SOX9</i> overexpression, <i>KRAS</i> mutation, and <i>TP53</i> wild type status in colorectal carcinoma. <i>Oncotarget</i> , 2016, 7, 50875-50882. | 0.8 | 26 |
| 43 | Therapeutic Implications of Detecting MAPK-Activating Alterations in Cutaneous and Unknown Primary Melanomas. <i>Clinical Cancer Research</i> , 2021, 27, 2226-2235. | 3.2 | 25 |
| 44 | Lung-only melanoma: UV mutational signature supports origin from occult cutaneous primaries and argues against the concept of primary pulmonary melanoma. <i>Modern Pathology</i> , 2020, 33, 2244-2255. | 2.9 | 23 |
| 45 | The Emergence of Pan-Cancer CIMP and Its Elusive Interpretation. <i>Biomolecules</i> , 2016, 6, 45. | 1.8 | 22 |
| 46 | Rb and p53-Deficient Myxofibrosarcoma and Undifferentiated Pleomorphic Sarcoma Require Skp2 for Survival. <i>Cancer Research</i> , 2020, 80, 2461-2471. | 0.4 | 22 |
| 47 | <i>KRAS</i> G12C Mutation Is Associated with Increased Risk of Recurrence in Surgically Resected Lung Adenocarcinoma. <i>Clinical Cancer Research</i> , 2021, 27, 2604-2612. | 3.2 | 20 |
| 48 | Transposon mutagenesis identifies chromatin modifiers cooperating with <i>Ras</i> in thyroid tumorigenesis and detects <i>ATXN7</i> as a cancer gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4951-E4960. | 3.3 | 17 |
| 49 | ARF Confers a Context-Dependent Response to Chemotherapy in Muscle-Invasive Bladder Cancer. <i>Cancer Research</i> , 2017, 77, 1035-1046. | 0.4 | 15 |
| 50 | Molecular and phenotypic profiling of colorectal cancer patients in West Africa reveals biological insights. <i>Nature Communications</i> , 2021, 12, 6821. | 5.8 | 15 |
| 51 | Prevalence and Landscape of Actionable Genomic Alterations in Renal Cell Carcinoma. <i>Clinical Cancer Research</i> , 2021, 27, 5595-5606. | 3.2 | 12 |
| 52 | Phase II study of trastuzumab with modified docetaxel, cisplatin, and 5 fluorouracil in metastatic HER2-positive gastric cancer. <i>Gastric Cancer</i> , 2019, 22, 355-362. | 2.7 | 11 |
| 53 | The genomic landscape of carcinomas with mucinous differentiation. <i>Scientific Reports</i> , 2021, 11, 9478. | 1.6 | 9 |
| 54 | CpG island methylator phenotype in adenocarcinomas from the digestive tract: Methods, conclusions, and controversies. <i>World Journal of Gastrointestinal Oncology</i> , 2017, 9, 105. | 0.8 | 9 |

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|----|--|-----|-----------|
| 55 | Genomic stratification beyond Ras/BRAF in colorectal liver metastasis patients treated with hepatic arterial infusion. <i>Cancer Medicine</i> , 2019, 8, 6538-6548. | 1.3 | 8 |
| 56 | Next-Generation Sequencing of 487 Esophageal Adenocarcinomas Reveals Independently Prognostic Genomic Driver Alterations and Pathways. <i>Clinical Cancer Research</i> , 2021, 27, 3491-3498. | 3.2 | 8 |
| 57 | The Emerging Importance of Tumor Genomics in Operable Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 3656. | 1.7 | 8 |
| 58 | KRAS mutant rectal cancer cells interact with surrounding fibroblasts to deplete the extracellular matrix. <i>Molecular Oncology</i> , 2021, 15, 2766-2781. | 2.1 | 7 |
| 59 | Intraoperative ketorolac may interact with patient-specific tumour genomics to modify recurrence risk in lung adenocarcinoma: an exploratory analysis. <i>British Journal of Anaesthesia</i> , 2021, 127, e82-e85. | 1.5 | 5 |
| 60 | A Randomized Phase II Trial of Adjuvant Hepatic Arterial Infusion and Systemic Therapy With or Without Panitumumab After Hepatic Resection of KRAS Wild-type Colorectal Cancer. <i>Annals of Surgery</i> , 2021, 274, 248-254. | 2.1 | 4 |
| 61 | Adoption of Organ Preservation and Surgeon Variability for Patients with Rectal Cancer Does Not Correlate with Worse Survival. <i>Annals of Surgical Oncology</i> , 2021, , 1. | 0.7 | 4 |
| 62 | Association of genomic profiles and survival in early onset and screening-age colorectal cancer patients with liver metastases resected over 15 years. <i>Journal of Surgical Oncology</i> , 2022, 125, 880-888. | 0.8 | 4 |
| 63 | Learning Multivariate Distributions by Competitive Assembly of Marginals. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013, 35, 398-410. | 9.7 | 3 |
| 64 | Identifying Diagnostic MicroRNAs and Investigating Their Biological Implications in Rectal Cancer. <i>JAMA Network Open</i> , 2021, 4, e2136913. | 2.8 | 3 |
| 65 | Computational methods and translational applications for targeted next-generation sequencing platforms. <i>Genes Chromosomes and Cancer</i> , 2022, 61, 322-331. | 1.5 | 3 |
| 66 | Extended Mutational Profiling By MSK-IMPACTTM Identifies Mutations Predicting Thromboembolic Risk in Patients with Solid Tumor Malignancy. <i>Blood</i> , 2019, 134, 633-633. | 0.6 | 1 |
| 67 | Same-Cell Co-Occurrence of RAS Hotspot and BRAF V600E Mutations in Treatment-Naive Colorectal Cancer. <i>JCO Precision Oncology</i> , 2022, 6, e2100365. | 1.5 | 1 |
| 68 | ASO Visual Abstract: Adoption of Organ Preservation and Surgeon Variability for Patients with Rectal Cancer Does Not Correlate with Worse Survival. <i>Annals of Surgical Oncology</i> , 2021, , 1. | 0.7 | 0 |