Ignaty Leshchiner

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1889235/publications.pdf

Version: 2024-02-01

61 13,051 34 61 papers citations h-index g-index

75 75 75 25306
all docs docs citations times ranked citing authors

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Molecular Taxonomy of Primary Prostate Cancer. Cell, 2015, 163, 1011-1025. | 28.9 | 2,435 |
| 2 | Integrated Genomic Characterization of Pancreatic Ductal Adenocarcinoma. Cancer Cell, 2017, 32, 185-203.e13. | 16.8 | 1,428 |
| 3 | Molecular subtypes of diffuse large B cell lymphoma are associated with distinct pathogenic mechanisms and outcomes. Nature Medicine, 2018, 24, 679-690. | 30.7 | 1,224 |
| 4 | Molecular Mechanisms of Resistance to First- and Second-Generation ALK Inhibitors in <i>ALK</i> -Rearranged Lung Cancer. Cancer Discovery, 2016, 6, 1118-1133. | 9.4 | 919 |
| 5 | The evolutionary history of 2,658 cancers. Nature, 2020, 578, 122-128. | 27.8 | 690 |
| 6 | Scalable whole-exome sequencing of cell-free DNA reveals high concordance with metastatic tumors. Nature Communications, 2017, 8, 1324. | 12.8 | 584 |
| 7 | Comprehensive Molecular Characterization of Pheochromocytoma and Paraganglioma. Cancer Cell, 2017, 31, 181-193. | 16.8 | 532 |
| 8 | Resensitization to Crizotinib by the Lorlatinib <i>ALK</i> Resistance Mutation L1198F. New England Journal of Medicine, 2016, 374, 54-61. | 27.0 | 433 |
| 9 | A mutational signature reveals alterations underlying deficient homologous recombination repair in breast cancer. Nature Genetics, 2017, 49, 1476-1486. | 21.4 | 427 |
| 10 | Polyclonal Secondary <i>FGFR2</i> Mutations Drive Acquired Resistance to FGFR Inhibition in Patients with FGFR2 Fusionâ€"Positive Cholangiocarcinoma. Cancer Discovery, 2017, 7, 252-263. | 9.4 | 384 |
| 11 | Liquid versus tissue biopsy for detecting acquired resistance and tumor heterogeneity in gastrointestinal cancers. Nature Medicine, 2019, 25, 1415-1421. | 30.7 | 359 |
| 12 | The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. Cell, 2020, 181, 236-249. | 28.9 | 334 |
| 13 | Paired exome analysis of Barrett's esophagus and adenocarcinoma. Nature Genetics, 2015, 47, 1047-1055. | 21.4 | 310 |
| 14 | Integrated Molecular Characterization of Uterine Carcinosarcoma. Cancer Cell, 2017, 31, 411-423. | 16.8 | 309 |
| 15 | Characterizing genetic intra-tumor heterogeneity across 2,658 human cancer genomes. Cell, 2021, 184, 2239-2254.e39. | 28.9 | 260 |
| 16 | Mitochondrial Reprogramming Underlies Resistance to BCL-2 Inhibition in Lymphoid Malignancies. Cancer Cell, 2019, 36, 369-384.e13. | 16.8 | 224 |
| 17 | Comprehensive assessment of cancer missense mutation clustering in protein structures. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5486-95. | 7.1 | 195 |
| 18 | Widespread Chromosomal Losses and Mitochondrial DNA Alterations as Genetic Drivers in Hýrthle Cell Carcinoma. Cancer Cell, 2018, 34, 242-255.e5. | 16.8 | 185 |

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|----|---|------|-----------|
| 19 | The evolutionary landscape of chronic lymphocytic leukemia treated with ibrutinib targeted therapy. Nature Communications, 2017, 8, 2185. | 12.8 | 148 |
| 20 | Loss of function mutation in <i>LOX</i> causes thoracic aortic aneurysm and dissection in humans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8759-8764. | 7.1 | 144 |
| 21 | Distinct mutational signatures characterize concurrent loss of polymerase proofreading and mismatch repair. Nature Communications, 2018, 9, 1746. | 12.8 | 142 |
| 22 | Mutation mapping and identification by whole-genome sequencing. Genome Research, 2012, 22, 1541-1548. | 5.5 | 126 |
| 23 | Genomic Profiling of Smoldering Multiple Myeloma Identifies Patients at a High Risk of Disease Progression. Journal of Clinical Oncology, 2020, 38, 2380-2389. | 1.6 | 110 |
| 24 | An international effort towards developing standards for best practices in analysis, interpretation and reporting of clinical genome sequencing results in the CLARITY Challenge. Genome Biology, 2014, 15, R53. | 9.6 | 101 |
| 25 | Growth dynamics in naturally progressing chronic lymphocytic leukaemia. Nature, 2019, 570, 474-479. | 27.8 | 86 |
| 26 | A Murine Model of Chronic Lymphocytic Leukemia Based on B Cell-Restricted Expression of Sf3b1 Mutation and Atm Deletion. Cancer Cell, 2019, 35, 283-296.e5. | 16.8 | 71 |
| 27 | Parallel Genomic Alterations of Antigen and Payload Targets Mediate Polyclonal Acquired Clinical Resistance to Sacituzumab Govitecan in Triple-Negative Breast Cancer. Cancer Discovery, 2021, 11, 2436-2445. | 9.4 | 69 |
| 28 | Combinatorial Approach to Determine Functional Group Effects on Lipidoid-Mediated siRNA Delivery. Bioconjugate Chemistry, 2010, 21, 1448-1454. | 3.6 | 64 |
| 29 | Mutations in RABL3 alter KRAS prenylation and are associated with hereditary pancreatic cancer. Nature Genetics, 2019, 51, 1308-1314. | 21.4 | 47 |
| 30 | Rapid identification of kidney cyst mutations by whole exome sequencing in zebrafish. Development (Cambridge), 2013, 140, 4445-4451. | 2.5 | 43 |
| 31 | Activating MAPK Pathway Mutations Mediate Primary Resistance to PI3K Inhibitors in Chronic Lymphocytic Leukemia (CLL). Blood, 2018, 132, 587-587. | 1.4 | 43 |
| 32 | Tfap2a is a novel gatekeeper of nephron differentiation during kidney development. Development (Cambridge), 2019, 146, . | 2.5 | 41 |
| 33 | The zebrafish kidney mutant zeppelin reveals that brca2/fancd1 is essential for pronephros development. Developmental Biology, 2017, 428, 148-163. | 2.0 | 38 |
| 34 | Bithiophenesilane-Based Dendronized Polymers: Facile Synthesis and Properties of Novel Highly Branched Organosilicon Macromolecular Structures. Macromolecules, 2012, 45, 2014-2024. | 4.8 | 35 |
| 35 | Summarizing polygenic risks for complex diseases in a clinical whole-genome report. Genetics in Medicine, 2015, 17, 536-544. | 2.4 | 34 |
| 36 | Longitudinal Single-Cell Dynamics of Chromatin Accessibility and Mitochondrial Mutations in Chronic Lymphocytic Leukemia Mirror Disease History. Cancer Discovery, 2021, 11, 3048-3063. | 9.4 | 31 |

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|----|--|------|-----------|
| 37 | Resolving the phylogenetic origin of glioblastoma via multifocal genomic analysis of pre-treatment and treatment-resistant autopsy specimens. Npj Precision Oncology, 2017, 1, 33. | 5.4 | 27 |
| 38 | An integrated clinical program and crowdsourcing strategy for genomic sequencing and Mendelian disease gene discovery. Npj Genomic Medicine, 2018, 3, 21. | 3.8 | 24 |
| 39 | Molecular features of exceptional response to neoadjuvant anti-androgen therapy in high-risk localized prostate cancer. Cell Reports, 2021, 36, 109665. | 6.4 | 24 |
| 40 | Organized Monolayers of Carbosilane Dendrimers with Mesogenic Terminal Groups. Macromolecules, 2005, 38, 8028-8035. | 4.8 | 23 |
| 41 | Synthesis of Carbosilane Dendrimers with Variable Distance between Branching Nodes. Macromolecules, 2012, 45, 8796-8804. | 4.8 | 18 |
| 42 | Specific temperature-induced perturbations of secondary mRNA structures are associated with the cold-adapted temperature-sensitive phenotype of influenza A virus. RNA Biology, 2012, 9, 1266-1274. | 3.1 | 17 |
| 43 | Heterogeneity and Coexistence of T790M and T790 Wild-Type Resistant Subclones Drive Mixed Response to Third-Generation Epidermal Growth Factor Receptor Inhibitors in Lung Cancer. JCO Precision Oncology, 2018, 2018, 1-15. | 3.0 | 17 |
| 44 | Distinct evolutionary paths in chronic lymphocytic leukemia during resistance to the graft-versus-leukemia effect. Science Translational Medicine, 2020, 12, . | 12.4 | 17 |
| 45 | The RNA helicase Ddx21 controls Vegfc-driven developmental lymphangiogenesis by balancing endothelial cell ribosome biogenesis and p53 function. Nature Cell Biology, 2021, 23, 1136-1147. | 10.3 | 17 |
| 46 | Combined tumor and immune signals from genomes or transcriptomes predict outcomes of checkpoint inhibition in melanoma. Cell Reports Medicine, 2022, 3, 100500. | 6.5 | 13 |
| 47 | Liquid Crystal Codendrimers with a Statistical Distribution of Phenolic and Mesogenic Groups: Behavior as Langmuir and Langmuirâ^'Blodgett Films. Langmuir, 2008, 24, 11082-11088. | 3.5 | 12 |
| 48 | Inherited <i>CHST11/MIR3922</i> deletion is associated with a novel recessive syndrome presenting with skeletal malformation and malignant lymphoproliferative disease. Molecular Genetics & Cenomic Medicine, 2015, 3, 413-423. | 1.2 | 11 |
| 49 | Butler enables rapid cloud-based analysis of thousands of human genomes. Nature Biotechnology, 2020, 38, 288-292. | 17.5 | 11 |
| 50 | The cationic amino acid exporter Slc7a7 is induced and vital in tissue macrophages with sustained efferocytic activity. Journal of Cell Science, 2020, 133, . | 2.0 | 8 |
| 51 | An argument for early genomic sequencing in atypical cases: a <i>WISP3</i> variant leads to diagnosis of progressive pseudorheumatoid arthropathy of childhood. Rheumatology, 2016, 55, kev367. | 1.9 | 6 |
| 52 | Synthesis and physical behavior of amphiphilic dendrimers with layered organization of hydrophilic and hydrophobic blocks. Colloid and Polymer Science, 2013, 291, 927-936. | 2.1 | 5 |
| 53 | Genetic Determinants of Venetoclax Resistance in Lymphoid Malignancies. Blood, 2018, 132, 893-893. | 1.4 | 4 |
| 54 | The Landscape of Dynamic Genetic Changes in Ibrutinib-Treated CLL. Blood, 2016, 128, 188-188. | 1.4 | 3 |

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| 55 | MCL-1 and PKA/AMPK Axis Fuel Venetoclax Resistance in Lymphoid Cancers. Blood, 2019, 134, 1284-1284. | 1.4 | 3 |
| 56 | Structure of carbosilane amphiphilic liquid-crystalline codendrimers in bulk and in thin (Langmuir) films. Russian Chemical Bulletin, 2008, 57, 2101-2110. | 1.5 | 2 |
| 57 | Comment on "DNA damage is a pervasive cause of sequencing errors, directly confounding variant identificationâ€. Science, 2018, 361, . | 12.6 | 2 |
| 58 | Detection of Explosives using nanofibrous membranes. , 2008, , . | | 1 |
| 59 | T Cell Determinants of Response and Resistance to PD-1 Blockade in Richter's Transformation. Blood, 2019, 134, 680-680. | 1.4 | 1 |
| 60 | Clonal and Single Cell Dynamics of Resistance to Graft-Versus-Leukemia (GvL) in Chronic Lymphocytic Leukemia (CLL). Blood, 2018, 132, 820-820. | 1.4 | 0 |
| 61 | Distinct Evolutionary Patterns in Chronic Lymphocytic Leukemia (CLL) during Resistance to Graft-Versus-Leukemia (GvL). Blood, 2019, 134, 516-516. | 1.4 | 0 |