

Martina Kirchner

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,573
citations

361045

20
h-index

315357

38
g-index

40
all docs

40
docs citations

40
times ranked

2523
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementing tumor mutational burden (TMB) analysis in routine diagnostics—a primer for molecular pathologists and clinicians. <i>Translational Lung Cancer Research</i> , 2018, 7, 703-715.	1.3	152
2	Precision oncology based on omics data: The NCT Heidelberg experience. <i>International Journal of Cancer</i> , 2017, 141, 877-886.	2.3	133
3	Size matters: Dissecting key parameters for panel-based tumor mutational burden analysis. <i>International Journal of Cancer</i> , 2019, 144, 848-858.	2.3	131
4	Three molecular pathways model colorectal carcinogenesis in Lynch syndrome. <i>International Journal of Cancer</i> , 2018, 143, 139-150.	2.3	129
5	Measurement of tumor mutational burden (TMB) in routine molecular diagnostics: <i>in silico</i> and <i>real-life</i> analysis of three larger gene panels. <i>International Journal of Cancer</i> , 2019, 144, 2303-2312.	2.3	95
6	<i>EML4-ALK</i> fusion variant V3 is a high-risk feature conferring accelerated metastatic spread, early treatment failure and worse overall survival in <i>ALK</i> non-small cell lung cancer. <i>International Journal of Cancer</i> , 2018, 142, 2589-2598.	2.3	93
7	Combined targeted DNA and RNA sequencing of advanced NSCLC in routine molecular diagnostics: Analysis of the first 3,000 Heidelberg cases. <i>International Journal of Cancer</i> , 2019, 145, 649-661.	2.3	85
8	Variant classification in precision oncology. <i>International Journal of Cancer</i> , 2019, 145, 2996-3010.	2.3	76
9	Spatial and Temporal Heterogeneity of Panel-Based Tumor Mutational Burden in Pulmonary Adenocarcinoma: Separating Biology From Technical Artifacts. <i>Journal of Thoracic Oncology</i> , 2019, 14, 1935-1947.	0.5	69
10	Testing <i>NTRK</i> testing: Wet-lab and <i>in silico</i> comparison of RNA-based targeted sequencing assays. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 178-188.	1.5	52
11	A gene expression signature associated with B cells predicts benefit from immune checkpoint blockade in lung adenocarcinoma. <i>Oncotarget</i> , 2021, 10, 1860586.	2.1	40
12	Detection of TP53 Mutations in Tissue or Liquid Rebiopsies at Progression Identifies <i>ALK</i> + Lung Cancer Patients with Poor Survival. <i>Cancers</i> , 2019, 11, 124.	1.7	36
13	Defining molecular risk in <i>ALK</i> + NSCLC. <i>Oncotarget</i> , 2019, 10, 3093-3103.	0.8	35
14	RNA-Based Detection of Gene Fusions in Formalin-Fixed and Paraffin-Embedded Solid Cancer Samples. <i>Cancers</i> , 2019, 11, 1309.	1.7	32
15	Tubular, lactating, and ductal adenomas are devoid of MED12 Exon2 mutations, and ductal adenomas show recurrent mutations in <i>GNAS</i> and the <i>PI3K-AKT</i> pathway. <i>Genes Chromosomes and Cancer</i> , 2017, 56, 11-17.	1.5	27
16	<i>NTRK</i> testing: First results of the <i>QuiP-EQA</i> scheme and a comprehensive map of <i>NTRK</i> fusion variants and their diagnostic coverage by targeted RNA-based NGS assays. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 445-453.	1.5	27
17	Novel <i>GATA6-FOXO1</i> fusions in a subset of epithelioid hemangioma. <i>Modern Pathology</i> , 2021, 34, 934-941.	2.9	27
18	The Different Immune Profiles of Normal Colonic Mucosa in Cancer-Free Lynch Syndrome Carriers and Lynch Syndrome Colorectal Cancer Patients. <i>Gastroenterology</i> , 2022, 162, 907-919.e10.	0.6	27

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19	Comparative genetic profiling aids diagnosis and clinical decision making in challenging cases of CUP syndrome. <i>International Journal of Cancer</i> , 2019, 145, 2963-2973.	2.3	24
20	Real-world implementation of sequential targeted therapies for EGFR-mutated lung cancer. <i>Therapeutic Advances in Medical Oncology</i> , 2021, 13, 175883592199650.	1.4	24
21	Targetable ERBB2 mutations identified in neurofibroma/schwannoma hybrid nerve sheath tumors. <i>Journal of Clinical Investigation</i> , 2020, 130, 2488-2495.	3.9	23
22	Deciphering the immunosuppressive tumor microenvironment in ALK- and EGFR-positive lung adenocarcinoma. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 251-265.	2.0	22
23	Genetic profiling of melanoma in routine diagnostics: assay performance and molecular characteristics in a consecutive series of 274 cases. <i>Pathology</i> , 2018, 50, 703-710.	0.3	21
24	Validating Comprehensive Next-Generation Sequencing Results for Precision Oncology: The NCT/DKTK Molecularly Aided Stratification for Tumor Eradication Research Experience. <i>JCO Precision Oncology</i> , 2018, 2, 1-13.	1.5	20
25	Targeted deep sequencing of effusion cytology samples is feasible, informs spatiotemporal tumor evolution, and has clinical and diagnostic utility. <i>Genes Chromosomes and Cancer</i> , 2018, 57, 70-79.	1.5	19
26	miRNA profiling of biliary intraepithelial neoplasia reveals stepwise tumorigenesis in distal cholangiocarcinoma via the miR-451a/ATF2 axis. <i>Journal of Pathology</i> , 2020, 252, 239-251.	2.1	18
27	Assigning evidence to actionability: An introduction to variant interpretation in precision cancer medicine. <i>Genes Chromosomes and Cancer</i> , 2022, 61, 303-313.	1.5	15
28	The impact of TP53 co-mutations and immunologic microenvironment on outcome of lung cancer with EGFR exon 20 insertions. <i>European Journal of Cancer</i> , 2022, 170, 106-118.	1.3	15
29	Next generation sequencing of the cellular and liquid fraction of pancreatic cyst fluid supports discrimination of IPMN from pseudocysts and reveals cases with multiple mutated driver clones: First findings from the prospective ZYSTEUS biomarker study. <i>Genes Chromosomes and Cancer</i> , 2019, 58, 3-11.	1.5	14
30	Integrated clinicomolecular characterization identifies RAS activation and CDKN2A deletion as independent adverse prognostic factors in cancer of unknown primary. <i>International Journal of Cancer</i> , 2020, 146, 3053-3064.	2.3	14
31	High prevalence of DNA damage repair gene defects and TP53 alterations in men with treatment-naïve metastatic prostate cancer – Results from a prospective pilot study using a 37 gene panel. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2020, 38, 637.e17-637.e27.	0.8	12
32	Immuno-oncology gene expression profiling of formalin-fixed and paraffin-embedded clear cell renal cell carcinoma: Performance comparison of the NanoString nCounter technology with targeted RNA sequencing. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 406-416.	1.5	10
33	Next-generation sequencing facilitates detection of the classic E13-A20 EML4-ALK fusion in an ALK-FISH/IHC inconclusive biopsy of a stage IV lung cancer patient: a case report. <i>Diagnostic Pathology</i> , 2016, 11, 133.	0.9	8
34	Synonymous EGFR variant p.Q787Q is neither prognostic nor predictive in patients with lung adenocarcinoma. <i>Genes Chromosomes and Cancer</i> , 2017, 56, 214-220.	1.5	8
35	Combination of Crizotinib and Osimertinib in T790M+ EGFR-Mutant Non-Small Cell Lung Cancer with Emerging MET Amplification Post-Osimertinib Progression in a 10-Year Survivor: A Case Report. <i>Case Reports in Oncology</i> , 2021, 14, 477-482.	0.3	8
36	Targeting rare and non-canonical driver variants in NSCLC – An uncharted clinical field. <i>Lung Cancer</i> , 2021, 154, 131-141.	0.9	8

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37	Mutations in TP53 or DNA damage repair genes define poor prognostic subgroups in primary prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2022, 40, 8.e11-8.e18.	0.8	8
38	Frequent Molecular Subtype Switching and Gene Expression Alterations in Lung and Pleural Metastasis From Luminal A-Type Breast Cancer. <i>JCO Precision Oncology</i> , 2020, 4, 848-859.	1.5	7
39	Histological and Molecular Plasticity of ALK-positive Non-Small-Cell Lung Cancer under Targeted Therapy - a Case Report. <i>Journal of Physical Education and Sports Management</i> , 2022, , mcs.a006156.	0.5	5
40	De Novo Versus Secondary Metastatic EGFR-Mutated Non-Small-Cell Lung Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 640048.	1.3	4