

Diana C J Spierings

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

3,010
citations

257450

24
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

4559
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-platform discovery of haplotype-resolved structural variation in human genomes. <i>Nature Communications</i> , 2019, 10, 1784.	12.8	636
2	Centrosome Amplification Is Sufficient to Promote Spontaneous Tumorigenesis in Mammals. <i>Developmental Cell</i> , 2017, 40, 313-322.e5.	7.0	291
3	Single-cell sequencing reveals karyotype heterogeneity in murine and human malignancies. <i>Genome Biology</i> , 2016, 17, 115.	8.8	178
4	Ongoing chromosomal instability and karyotype evolution in human colorectal cancer organoids. <i>Nature Genetics</i> , 2019, 51, 824-834.	21.4	162
5	Aneuploidy renders cancer cells vulnerable to mitotic checkpoint inhibition. <i>Nature</i> , 2021, 590, 486-491.	27.8	135
6	cGASâ€™STING drives the IL-6-dependent survival of chromosomally instable cancers. <i>Nature</i> , 2022, 607, 366-373.	27.8	132
7	p53 Prohibits Propagation of Chromosome Segregation Errors that Produce Structural Aneuploidies. <i>Cell Reports</i> , 2017, 19, 2423-2431.	6.4	127
8	Single-cell whole genome sequencing reveals no evidence for common aneuploidy in normal and Alzheimerâ€™s disease neurons. <i>Genome Biology</i> , 2016, 17, 116.	8.8	118
9	Improved assembly and variant detection of a haploid human genome using singleâ€™molecule, highâ€™fidelity long reads. <i>Annals of Human Genetics</i> , 2020, 84, 125-140.	0.8	100
10	Single-cell template strand sequencing by Strand-seq enables the characterization of individual homologs. <i>Nature Protocols</i> , 2017, 12, 1151-1176.	12.0	89
11	Gene copy-number changes and chromosomal instability induced by aneuploidy confer resistance to chemotherapy. <i>Developmental Cell</i> , 2021, 56, 2440-2454.e6.	7.0	87
12	BLM helicase suppresses recombination at G-quadruplex motifs in transcribed genes. <i>Nature Communications</i> , 2018, 9, 271.	12.8	83
13	DNA Replication Vulnerabilities Render Ovarian Cancer Cells Sensitive to Poly(ADP-Ribose) Glycohydrolase Inhibitors. <i>Cancer Cell</i> , 2019, 35, 519-533.e8.	16.8	79
14	Premature mitotic entry induced by ATR inhibition potentiates olaparib inhibitionâ€™mediated genomic instability, inflammatory signaling, and cytotoxicity in BRCA2â€™deficient cancer cells. <i>Molecular Oncology</i> , 2019, 13, 2422-2440.	4.6	62
15	A living biobank of ovarian cancer ex vivo models reveals profound mitotic heterogeneity. <i>Nature Communications</i> , 2020, 11, 822.	12.8	62
16	Deletion of the MAD2L1 spindle assembly checkpoint gene is tolerated in mouse models of acute T-cell lymphoma and hepatocellular carcinoma. <i>ELife</i> , 2017, 6, .	6.0	56
17	Genetic instability from a single S phase after whole-genome duplication. <i>Nature</i> , 2022, 604, 146-151.	27.8	54
18	Direct chromosome-length haplotyping by single-cell sequencing. <i>Genome Research</i> , 2016, 26, 1565-1574.	5.5	52

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19	TPX2/Aurora kinase A signaling as a potential therapeutic target in genomically unstable cancer cells. <i>Oncogene</i> , 2019, 38, 852-867.	5.9	43
20	Centrosome defects cause microcephaly by activating the 53BP1- USP28 -TP53 mitotic surveillance pathway. <i>EMBO Journal</i> , 2021, 40, e106118.	7.8	39
21	Sperm DNA damage causes genomic instability in early embryonic development. <i>Science Advances</i> , 2020, 6, eaaz7602.	10.3	37
22	Quantification of Aneuploidy in Mammalian Systems. <i>Methods in Molecular Biology</i> , 2019, 1896, 159-190.	0.9	33
23	Analysis of Released Circulating Tumor Cells During Surgery for Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 1656-1666.	7.0	33
24	Extensive Clonal Branching Shapes the Evolutionary History of High-Risk Pediatric Cancers. <i>Cancer Research</i> , 2020, 80, 1512-1523.	0.9	33
25	Detection of Circulating Tumor Cells in the Diagnostic Leukapheresis Product of Non-Small-Cell Lung Cancer Patients Comparing CellSearch [®] and ISET. <i>Cancers</i> , 2020, 12, 896.	3.7	31
26	Genome-wide mapping of sister chromatid exchange events in single yeast cells using Strand-seq. <i>ELife</i> , 2017, 6, .	6.0	30
27	PIDDosome-induced p53-dependent ploidy restriction facilitates hepatocarcinogenesis. <i>EMBO Reports</i> , 2020, 21, e50893.	4.5	29
28	The p38 β Stress Kinase Suppresses Aneuploidy Tolerance by Inhibiting Hif-1 β . <i>Cell Reports</i> , 2018, 25, 749-760.e6.	6.4	26
29	Altering microtubule dynamics is synergistically toxic with spindle assembly checkpoint inhibition. <i>Life Science Alliance</i> , 2020, 3, e201900499.	2.8	18
30	TP53 loss initiates chromosomal instability in fallopian tube epithelial cells. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	17
31	Single-cell sequencing to quantify genomic integrity in cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 94, 146-150.	2.8	15
32	The H3.3K27M oncohistone affects replication stress outcome and provokes genomic instability in pediatric glioma. <i>PLoS Genetics</i> , 2021, 17, e1009868.	3.5	14
33	Transcriptional Activity and Stability of CD39 ⁺ CD103 ⁺ CD8 ⁺ T Cells in Human High-Grade Endometrial Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3770.	4.1	13
34	Replication catastrophe is responsible for intrinsic PAR glycohydrolase inhibitor-sensitivity in patient-derived ovarian cancer models. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 323.	8.6	12
35	Loss of NF2 defines a genetic subgroup of non-FOS-rearranged osteoblastoma. <i>Journal of Pathology: Clinical Research</i> , 2020, 6, 231-237.	3.0	11
36	Construction of Strand-seq libraries in open nanoliter arrays. <i>Cell Reports Methods</i> , 2022, 2, 100150.	2.9	10

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37	C/EBP β isoform-specific regulation of migration and invasion in triple-negative breast cancer cells. <i>Npj Breast Cancer</i> , 2022, 8, 11.	5.2	9
38	Deposition Bias of Chromatin Proteins Inverts under DNA Replication Stress Conditions. <i>ACS Chemical Biology</i> , 2021, 16, 2193-2201.	3.4	6
39	Leukapheresis increases circulating tumour cell yield in non-small cell lung cancer, counts related to tumour response and survival. <i>British Journal of Cancer</i> , 2022, 126, 409-418.	6.4	5
40	Expression of CD39 Identifies Activated Intratumoral CD8+ T Cells in Mismatch Repair Deficient Endometrial Cancer. <i>Cancers</i> , 2022, 14, 1924.	3.7	5
41	InverttypeR: Bayesian inversion genotyping with Strand-seq data. <i>BMC Genomics</i> , 2021, 22, 582.	2.8	3
42	Genomic Heterogeneity and Clonal Evolution in High Hyperdiploid Childhood Acute Lymphoblastic Leukemia. <i>Blood</i> , 2021, 138, 3489-3489.	1.4	0
43	Abstract 6217: TP53 loss with whole genome doubling mediates heterogeneous intra-patient therapy response in EGFR-driven lung adenocarcinoma: A TRACERx study. <i>Cancer Research</i> , 2022, 82, 6217-6217.	0.9	0