Steffen Durinck

List of Publications by Year
in descending order

31 papers	11,902 citations	218677 26 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	27417 citing authors

#	Article	IF	Citations
1	Mapping identifiers for the integration of genomic datasets with the R/Bioconductor package biomaRt. Nature Protocols, 2009, 4, 1184-1191.	12.0	3,084
2	BioMart and Bioconductor: a powerful link between biological databases and microarray data analysis. Bioinformatics, 2005, 21, 3439-3440.	4.1	1,781
3	Comprehensive genomic analysis identifies SOX2 as a frequently amplified gene in small-cell lung cancer. Nature Genetics, 2012, 44, 1111-1116.	21.4	906
4	Recurrent R-spondin fusions in colon cancer. Nature, 2012, 488, 660-664.	27.8	862
5	Comprehensive genomic analysis of malignant pleural mesothelioma identifies recurrent mutations, gene fusions and splicing alterations. Nature Genetics, 2016, 48, 407-416.	21.4	730
6	The BioMart community portal: an innovative alternative to large, centralized data repositories. Nucleic Acids Research, 2015, 43, W589-W598.	14.5	682
7	A comprehensive transcriptional portrait of human cancer cell lines. Nature Biotechnology, 2015, 33, 306-312.	17.5	556
8	Subtype and pathway specific responses to anticancer compounds in breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2724-2729.	7.1	417
9	Oncogenic ERBB3 Mutations in Human Cancers. Cancer Cell, 2013, 23, 603-617.	16.8	318
10	Spectrum of diverse genomic alterations define nonâ€“clear cell renal carcinoma subtypes. Nature Genetics, 2015, 47, 13-21.	21.4	310
11	Versatile Gene-Specific Sequence Tags for Arabidopsis Functional Genomics: Transcript Profiling and Reverse Genetics Applications. Genome Research, 2004, 14, 2176-2189.	5.5	282
12	Modeling precision treatment of breast cancer. Genome Biology, 2013, 14, R110.	9.6	264
13	Temporal Dissection of Tumorigenesis in Primary Cancers. Cancer Discovery, 2011, 1, 137-143.	9.4	240
14	Targeting PTPRK-RSPO3 colon tumours promotes differentiation and loss of stem-cell function. Nature, 2016, 529, 97-100.	27.8	203
15	CRISPR off-target analysis in genetically engineered rats and mice. Nature Methods, 2018, 15, 512-514.	19.0	176
16	ÂÂÂSilencing of retrotransposons by SETDB1 inhibits the interferon response in acute myeloid leukemiaÂÂ. Journal of Cell Biology, 2017, 216, 3535-3549.	5.2	144
17	The Indian cobra reference genome and transcriptome enables comprehensive identification of venom toxins. Nature Genetics, 2020, 52, 106-117.	21.4	139
18	An Empirical Approach Leveraging Tumorgrafts to Dissect the Tumor Microenvironment in Renal Cell Carcinoma Identifies Missing Link to Prognostic Inflammatory Factors. Cancer Discovery, 2018, 8, 1142-1155.	9.4	138

#	Article	IF	Citations
19	Exon-Level Microarray Analyses Identify Alternative Splicing Programs in Breast Cancer. Molecular Cancer Research, 2010, 8, 961-974.	3.4	121
20	Actionable Activating Oncogenic ERBB2/HER2 Transmembrane and Juxtamembrane Domain Mutations. Cancer Cell, 2018, 34, 792-806.e5.	16.8	102
21	Benchmarking the CATMA Microarray. A Novel Tool forArabidopsis Transcriptome Analysis. Plant Physiology, 2005, 137, 588-601.	4.8	91
22	Integrated exome and transcriptome sequencing reveals ZAK isoform usage in gastric cancer. Nature Communications, 2014, 5, 3830.	12.8	77
23	GenomeGraphs: integrated genomic data visualization with R. BMC Bioinformatics, 2009, 10, 2.	2.6	68
24	Single-cell RNA sequencing identifies distinct mouse medial ganglionic eminence cell types. Scientific Reports, 2017, 7, 45656.	3.3	67
25	Integrated genomic analysis reveals mutated ELF3 as a potential gallbladder cancer vaccine candidate. Nature Communications, 2020, 11, 4225.	12.8	47
26	ERK Mutations and Amplification Confer Resistance to ERK-Inhibitor Therapy. Clinical Cancer Research, 2018, 24, 4044-4055.	7.0	36
27	Determinants of renal cell carcinoma invasion and metastatic competence. Nature Communications, 2021, 12, 5760.	12.8	25
28	Accurate assembly of the olive baboon (Papio anubis) genome using long-read and Hi-C data. GigaScience, 2020, 9, .	6.4	18
29	Importing MAGE-ML format microarray data into BioConductor. Bioinformatics, 2004, 20, 3641-3642.	4.1	8
30	Homozygous KSR1 deletion attenuates morbidity but does not prevent tumor development in a mouse model of RAS-driven pancreatic cancer. PLoS ONE, 2018, 13, e0194998.	2.5	4
31	Embryonic lethality and defective mammary gland development of activatorâ€function impaired conditional knockâ€in Erbb3^{V943R} mice. Genetics & Genomics Next, 2021, 2, e10036.	1.5	1