

Benjamin Schuster-Bckler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	3,309 citations	16 h-index	24 g-index
24 ext. papers	3,777 ext. citations	15.7 avg, IF	5.14 L-index

#	Paper	IF	Citations
21	Pfam: clans, web tools and services. <i>Nucleic Acids Research</i> , 2006 , 34, D247-51	20.1	1784
20	Chromatin organization is a major influence on regional mutation rates in human cancer cells. <i>Nature</i> , 2012 , 488, 504-7	50.4	451
19	HMM Logos for visualization of protein families. <i>BMC Bioinformatics</i> , 2004 , 5, 7	3.6	176
18	Large-scale screening for novel low-affinity extracellular protein interactions. <i>Genome Research</i> , 2008 , 18, 622-30	9.7	157
17	Bisulfite-free direct detection of 5-methylcytosine and 5-hydroxymethylcytosine at base resolution. <i>Nature Biotechnology</i> , 2019 , 37, 424-429	44.5	135
16	Protein interactions in human genetic diseases. <i>Genome Biology</i> , 2008 , 9, R9	18.3	94
15	The importance of p53 pathway genetics in inherited and somatic cancer genomes. <i>Nature Reviews Cancer</i> , 2016 , 16, 251-65	31.3	93
14	Dosage sensitivity shapes the evolution of copy-number varied regions. <i>PLoS ONE</i> , 2010 , 5, e9474	3.7	76
13	The effects of mutational processes and selection on driver mutations across cancer types. <i>Nature Communications</i> , 2018 , 9, 1857	17.4	59
12	Mutational signature distribution varies with DNA replication timing and strand asymmetry. <i>Genome Biology</i> , 2018 , 19, 129	18.3	56
11	Reuse of structural domain-domain interactions in protein networks. <i>BMC Bioinformatics</i> , 2007 , 8, 259	3.6	40
10	Single cell RNA-seq reveals profound transcriptional similarity between Barrett's oesophagus and oesophageal submucosal glands. <i>Nature Communications</i> , 2018 , 9, 4261	17.4	37
9	An introduction to hidden Markov models. <i>Current Protocols in Bioinformatics</i> , 2007 , Appendix 3, Appendix 3A	24.2	34
8	Visualizing profile-profile alignment: pairwise HMM logos. <i>Bioinformatics</i> , 2005 , 21, 2912-3	7.2	34
7	5-hydroxymethylcytosine marks regions with reduced mutation frequency in human DNA. <i>ELife</i> , 2016 , 5,	8.9	22
6	BEARscs determines robustness of single-cell clusters using simulated technical replicates. <i>Nature Communications</i> , 2018 , 9, 1187	17.4	16
5	DNA Modifications: Naturally More Error Prone?. <i>Trends in Genetics</i> , 2018 , 34, 627-638	8.5	16

4	DNA Replication and associated repair pathways are involved in the mutagenesis of methylated cytosine. <i>DNA Repair</i> , 2018 , 62, 1-7	4.3	15
3	Cytosine Methylation Affects the Mutability of Neighboring Nucleotides in Germline and Soma. <i>Genetics</i> , 2020 , 214, 809-823	4	8
2	Widespread impact of DNA replication on mutational mechanisms in cancer		4
1	Cell-free DNA TAPS provides multimodal information for early cancer detection. <i>Science Advances</i> , 2021 , 7, eabh0534	14.3	1