Maxwell W Libbrecht

List of Publications by Year in Descending Order

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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.

20 papers	1,385 citations	9 h-index	37 g-index
39 ext. papers	1,886 ext. citations	13.5 avg, IF	5.22 L-index

#	Paper	IF	Citations
20	SigTools: Exploratory Visualization For Genomic Signals. *Bioinformatics*, **2021**,	7.2	1
19	Segmentation and genome annotation algorithms for identifying chromatin state and other genomic patterns. *PLoS Computational Biology*, **2021**, 17, e1009423	5	2
18	SplitStrains, a tool to identify and separate mixed infections from WGS data. *Microbial Genomics*, **2021**, 7,	4.4	1
17	Perspectives on ENCODE. *Nature*, **2020**, 583, 693-698	50.4	61
16	A unified encyclopedia of human functional DNA elements through fully automated annotation of 164 human cell types. *Genome Biology*, **2019**, 20, 180	18.3	18
15	PREDICTD PaRallel Epigenomics Data Imputation with Cloud-based Tensor Decomposition. *Nature Communications*, **2018**, 9, 1402	17.4	37
14	Choosing non-redundant representative subsets of protein sequence data sets using submodular optimization. *Proteins: Structure, Function and Bioinformatics*, **2018**, 86, 454-466	4.2	8
13	Segway 2.0: Gaussian mixture models and minibatch training. *Bioinformatics*, **2018**, 34, 669-671	7.2	23
12	Choosing panels of genomics assays using submodular optimization. *Genome Biology*, **2016**, 17, 229	18.3	9
11	Distinct epigenetic features of differentiation-regulated replication origins. *Epigenetics and Chromatin*, **2016**, 9, 18	5.8	35
10	Joint annotation of chromatin state and chromatin conformation reveals relationships among domain types and identifies domains of cell-type-specific expression. *Genome Research*, **2015**, 25, 544-57	9.7	50
9	Machine learning applications in genetics and genomics. *Nature Reviews Genetics*, **2015**, 16, 321-32	30.1	845
8	Comparative analysis of metazoan chromatin organization. *Nature*, **2014**, 512, 449-52	50.4	265
7	Interferometric measurement of the resonant absorption and refractive index in rubidium gas. *American Journal of Physics*, **2006**, 74, 1055-1060	0.7	17
6	Semi-supervised segmentation and genome annotation		1
5	Joint annotation of chromatin state and chromatin conformation reveals relationships among domain types and identifies domains of cell type-specific expression		3
4	A unified encyclopedia of human functional DNA elements through fully automated annotation of 164 human cell types		5

List of Publications

3	VSS: Variance-stabilized signals for sequencing-based genomic signals	1
2	INGOT-DR: an interpretable classifier for predicting drug resistance in M. tuberculosis	2
1	Continuous chromatin state feature annotation of the human epigenome	1