Lukas M Weber

List of Publications by Year
in descending order

22 papers	2,993 citations	567281 15 h-index	794594 19 g-index
38 all docs	38 docs citations	38 times ranked	5966 citing authors

#	Article	IF	Citations
1	High-dimensional single-cell analysis predicts response to anti-PD-1 immunotherapy. Nature Medicine, 2018, 24, 144-153.	30.7	564
2	Transcriptome-scale spatial gene expression in the human dorsolateral prefrontal cortex. Nature Neuroscience, 2021, 24, 425-436.	14.8	418
3	Comparison of clustering methods for highâ€dimensional singleâ€cell flow and mass cytometry data. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2016, 89, 1084-1096.	1.5	321
4	CyTOF workflow: Differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 2017, 6, 748.	1.6	312
5	Maximizing mutagenesis with solubilized CRISPR-Cas9 ribonucleoprotein complexes.. Development (Cambridge), 2016, 143, 2025-37.	2.5	244
6	CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 2017, 6, 748.	1.6	244
7	diffcyt: Differential discovery in high-dimensional cytometry via high-resolution clustering. Communications Biology, 2019, 2, 183.	4.4	162
8	Essential guidelines for computational method benchmarking. Genome Biology, 2019, 20, 125.	8.8	114
9	High-dimensional single-cell analysis reveals the immune signature of narcolepsy. Journal of Experimental Medicine, 2016, 213, 2621-2633.	8.5	106
10	Statistical methods for detecting differentially methylated loci and regions. Frontiers in Genetics, 2014, 5, 324.	2.3	99
11	Circulating neutrophil subsets in advanced lung cancer patients exhibit unique immune signature and relate to prognosis. FASEB Journal, 2020, 34, 4204-4218.	0.5	70
12	SpatialExperiment: infrastructure for spatially-resolvedÂtranscriptomics data in R using Bioconductor. Bioinformatics, 2022, 38, 3128-3131.	4.1	48
13	An updated guide for the perplexed: cytometry in the high-dimensional era. Nature Immunology, 2021, 22, 1190-1197.	14.5	39
14	miQC: An adaptive probabilistic framework for quality control of single-cell RNA-sequencing data. PLoS Computational Biology, 2021, 17, e1009290.	3.2	38
15	CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 0, 6, 748.	1.6	36
16	Genetic demultiplexing of pooled single-cell RNA-sequencing samples in cancer facilitates effective experimental design. GigaScience, 2021, 10, .	6.4	17
17	CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 0, 6, 748.	1.6	16
18	HDCytoData: Collection of high-dimensional cytometry benchmark datasets in Bioconductor object formats. F1000Research, 2019, 8, 1459.	1.6	13

#	Article	IF	Citations
19	A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. F1000Research, 0, 10, 80.	1.6	8
20	A Retrospective Study of the Effectiveness of Four Different Treatments of Periodontal Disease in Equine Cheek Teeth. Journal of Veterinary Dentistry, 2016, 33, 83-89.	0.3	3
21	HDCytoData: Collection of high-dimensional cytometry benchmark datasets in Bioconductor object formats. F1000Research, 0, 8, 1459.	1.6	3
22	A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. F1000Research, 0, 10, 80.	1.6	0