# Lukas M Weber

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | SpatialExperiment: infrastructure for spatially-resolvedÂtranscriptomics data in R using Bioconductor. Bioinformatics, 2022, 38, 3128-3131. | 4.1 | 48 |
| 2 | Transcriptome-scale spatial gene expression in the human dorsolateral prefrontal cortex. Nature Neuroscience, 2021, 24, 425-436. | 14.8 | 418 |
| 3 | miQC: An adaptive probabilistic framework for quality control of single-cell RNA-sequencing data. PLoS Computational Biology, 2021, 17, e1009290. | 3.2 | 38 |
| 4 | Genetic demultiplexing of pooled single-cell RNA-sequencing samples in cancer facilitates effective experimental design. GigaScience, 2021, 10, . | 6.4 | 17 |
| 5 | An updated guide for the perplexed: cytometry in the high-dimensional era. Nature Immunology, 2021, 22, 1190-1197. | 14.5 | 39 |
| 6 | 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 |
| 7 | Essential guidelines for computational method benchmarking. Genome Biology, 2019, 20, 125. | 8.8 | 114 |
| 8 | diffcyt: Differential discovery in high-dimensional cytometry via high-resolution clustering. Communications Biology, 2019, 2, 183. | 4.4 | 162 |
| 9 | HDCytoData: Collection of high-dimensional cytometry benchmark datasets in Bioconductor object formats. F1000Research, 2019, 8, 1459. | 1.6 | 13 |
| 10 | High-dimensional single-cell analysis predicts response to anti-PD-1 immunotherapy. Nature Medicine, 2018, 24, 144-153. | 30.7 | 564 |
| 11 | CyTOF workflow: Differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 2017, 6, 748. | 1.6 | 312 |
| 12 | CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 2017, 6, 748. | 1.6 | 244 |
| 13 | 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 |
| 14 | Maximizing mutagenesis with solubilized CRISPR-Cas9 ribonucleoprotein complexes.. Development (Cambridge), 2016, 143, 2025-37. | 2.5 | 244 |
| 15 | 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 |
| 16 | High-dimensional single-cell analysis reveals the immune signature of narcolepsy. Journal of Experimental Medicine, 2016, 213, 2621-2633. | 8.5 | 106 |
| 17 | Statistical methods for detecting differentially methylated loci and regions. Frontiers in Genetics, 2014, 5, 324. | 2.3 | 99 |
| 18 | A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. F1000Research, 0, 10, 80. | 1.6 | 8 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 0, 6, 748. | 1.6 | 36 |
| 20 | CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 0, 6, 748. | 1.6 | 16 |
| 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 |